

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089357.D
 Acq On : 28 Jul 2016 10:20
 Operator : UM/SJ
 Sample : H4155-17MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Manual Integrations

sohil
 7/28/2016 5:03:58 PM

Quant Time: Jul 28 13:33:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	43221	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	191189	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	91525	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	173683	20.00	ng	0.00
75) Chrysene-d12	13.67	240	122802	20.00	ng	0.00
86) Perylene-d12	15.01	264	83612	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	322019	118.96	ng	0.03
7) Phenol-d6	6.20	99	389781	108.96	ng	0.00
23) Nitrobenzene-d5	7.12	82	293365	90.57	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	97770	128.98	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	574549	92.13	ng	0.00
78) Terphenyl-d14	12.63	244	478500	91.20	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.12	88	41569	33.31	ng	# 86
3) Pyridine	2.72	79	78511m	29.64	ng	
4) n-Nitrosodimethylamine	2.66	42	41580	39.72	ng	89
6) Aniline	6.23	93	52239	13.52	ng	# 1
8) 2-Chlorophenol	6.33	128	132737	43.35	ng	90
9) Benzaldehyde	6.10	77	21521	12.32	ng	99
10) Phenol	6.23	94	146912	37.22	ng	87
11) bis(2-Chloroethyl)ether	6.30	93	145893	43.50	ng	96
12) 1,3-Dichlorobenzene	6.48	146	123920	38.69	ng	97
13) 1,4-Dichlorobenzene	6.56	146	136217	38.54	ng	99
14) 1,2-Dichlorobenzene	6.72	146	127872	38.62	ng	99
15) Benzyl Alcohol	6.71	79	103731	46.73	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.83	45	146255	39.98	ng	77
17) 2-Methylphenol	6.83	107	96688	40.86	ng	94
18) Hexachloroethane	7.05	117	51428	37.95	ng	95
19) n-Nitroso-di-n-propylamine	6.98	70	102396	47.47	ng	100
20) 3+4-Methylphenols	6.99	107	124842	41.08	ng	89
22) Acetophenone	6.97	105	174467	38.33	ng	# 98
24) Nitrobenzene	7.14	77	134296	36.43	ng	99
25) Isophorone	7.38	82	278216	42.64	ng	99
26) 2-Nitrophenol	7.46	139	65019	39.45	ng	99
27) 2,4-Dimethylphenol	7.51	122	106110	40.41	ng	96
28) bis(2-Chloroethoxy)methane	7.60	93	168800	46.74	ng	99
29) 2,4-Dichlorophenol	7.71	162	108036	45.15	ng	96
30) 1,2,4-Trichlorobenzene	7.78	180	108353	39.69	ng	99
31) Naphthalene	7.85	128	417623m	44.11	ng	
32) Benzoic acid	7.67	122	57662	31.52	ng	98
33) 4-Chloroaniline	7.98	127	16514	4.58	ng	# 51
34) Hexachlorobutadiene	7.98	225	60718	38.84	ng	98
35) Caprolactam	8.30	113	28978m	40.13	ng	
36) 4-Chloro-3-methylphenol	8.42	107	125463	44.12	ng	98
37) 2-Methylnaphthalene	8.55	142	251010	44.00	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.71	216	98418	30.73	ng	98
40) Hexachlorocyclopentadiene	8.70	237	80564	87.32	ng	99

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089357.D
 Acq On : 28 Jul 2016 10:20
 Operator : UM/SJ
 Sample : H4155-17MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Manual Integrations

sohil
 7/28/2016 5:03:58 PM

Quant Time: Jul 28 13:33:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.83	196	70754	46.46	ng	99
43) 2,4,5-Trichlorophenol	8.88	196	82806	42.93	ng #	89
45) 1,1'-Biphenyl	9.00	154	279216	35.83	ng	99
46) 2-Chloronaphthalene	9.03	162	242754	41.48	ng	99
47) 2-Nitroaniline	9.14	65	74146	42.78	ng	97
48) Acenaphthylene	9.44	152	386388	41.92	ng	99
49) Dimethylphthalate	9.32	163	316818	45.48	ng	100
50) 2,6-Dinitrotoluene	9.38	165	66088	46.18	ng	91
51) Acenaphthene	9.61	154	238199	44.25	ng	100
52) 3-Nitroaniline	9.55	138	22865	15.14	ng	84
53) 2,4-Dinitrophenol	9.67	184	52589	79.53	ng #	83
54) Dibenzofuran	9.78	168	349116	47.59	ng	99
55) 4-Nitrophenol	9.75	139	49242m	67.95	ng	
56) 2,4-Dinitrotoluene	9.79	165	82808	43.95	ng #	64
57) Fluorene	10.12	166	284194	44.38	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.91	232	63907	49.62	ng	98
59) Diethylphthalate	10.02	149	304978	43.19	ng #	94
60) 4-Chlorophenyl-phenylether	10.12	204	119462	40.67	ng	99
61) 4-Nitroaniline	10.17	138	48243	30.99	ng	91
62) Azobenzene	10.27	77	318379	43.78	ng	99
64) 4,6-Dinitro-2-methylphenol	10.19	198	44447	42.91	ng	84
65) n-Nitrosodiphenylamine	10.24	169	205064	37.84	ng	100
66) 4-Bromophenyl-phenylether	10.60	248	77560	46.77	ng	94
67) Hexachlorobenzene	10.66	284	68064	40.05	ng	94
68) Atrazine	10.78	200	37838	22.73	ng	97
69) Pentachlorophenol	10.87	266	70380	85.07	ng	98
70) Phenanthrene	11.07	178	398419	44.48	ng	99
71) Anthracene	11.13	178	409306	41.10	ng	99
72) Carbazole	11.29	167	326745	38.97	ng	99
73) Di-n-butylphthalate	11.62	149	465428	41.38	ng	99
74) Fluoranthene	12.25	202	418877	44.45	ng	99
76) Benzidine	12.42	184	23589	5.20	ng	95
77) Pyrene	12.47	202	384443	41.31	ng	98
79) Butylbenzylphthalate	13.11	149	202271	47.80	ng	98
80) Benzo(a)anthracene	13.66	228	295163	42.59	ng	99
81) 3,3'-Dichlorobenzidine	13.63	252	17442	6.99	ng #	98
82) Chrysene	13.69	228	295181	40.02	ng	99
83) Bis(2-ethylhexyl)phthalate	13.67	149	256449	41.93	ng	99
84) Di-n-octyl phthalate	14.27	149	414438	43.42	ng	99
85) Indeno(1,2,3-cd)pyrene	16.21	276	221183	42.17	ng	100
87) Benzo(b)fluoranthene	14.65	252	225551m	43.44	ng	
88) Benzo(k)fluoranthene	14.67	252	261466m	54.77	ng	
89) Benzo(a)pyrene	14.96	252	221971	47.65	ng #	94
90) Dibenzo(a,h)anthracene	16.22	278	183857	50.11	ng #	95
91) Benzo(g,h,i)perylene	16.56	276	180689	50.10	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

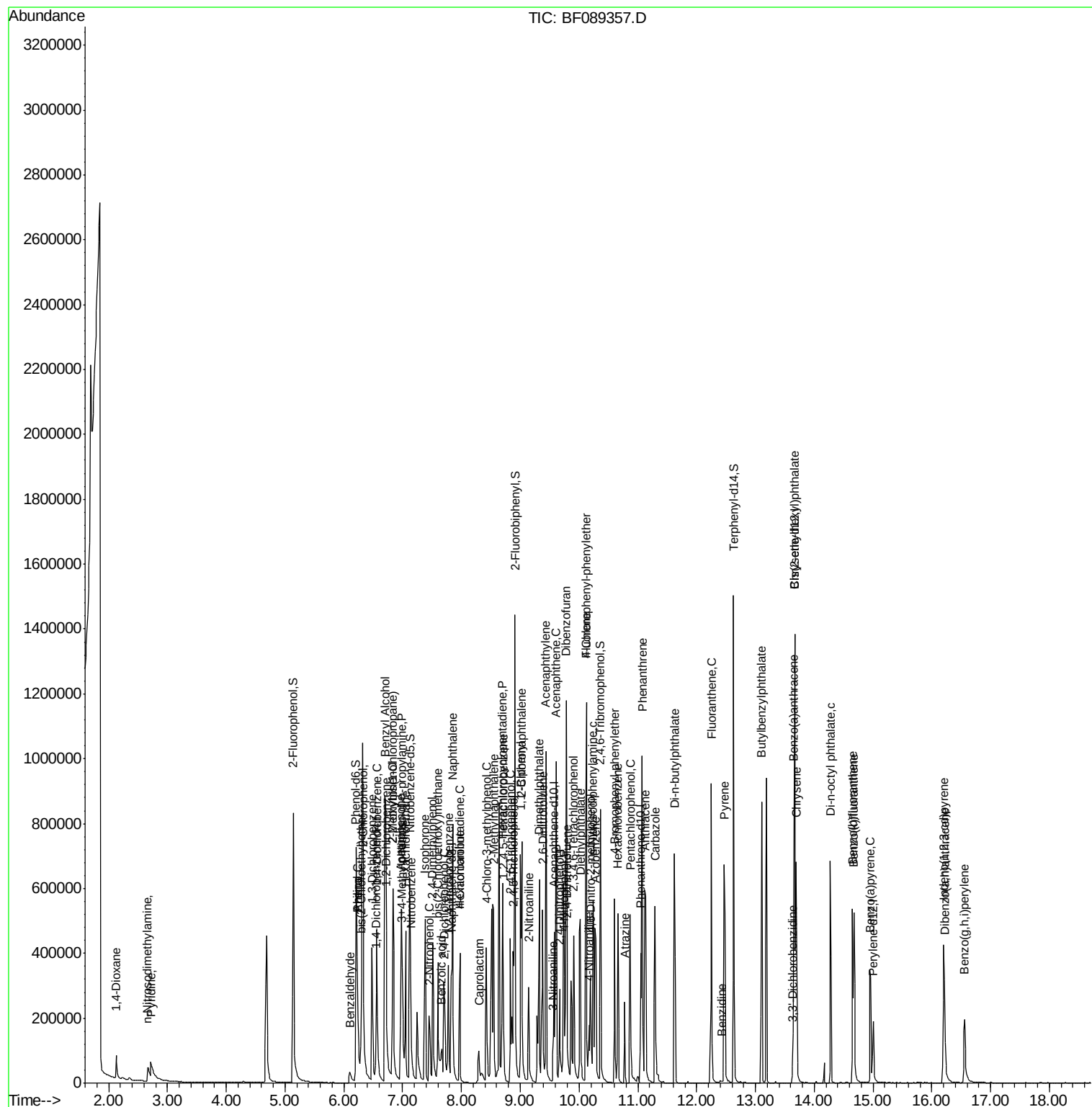
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089357.D
 Acq On : 28 Jul 2016 10:20
 Operator : UM/SJ
 Sample : H4155-17MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

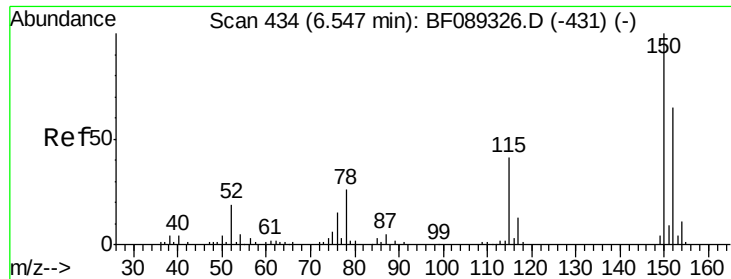
Instrument :
 BNA_F
 ClientSampleID :
 I-4MSD

Manual Integrations

sohil
 7/28/2016 5:03:58 PM

Quant Time: Jul 28 13:33:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration





#1

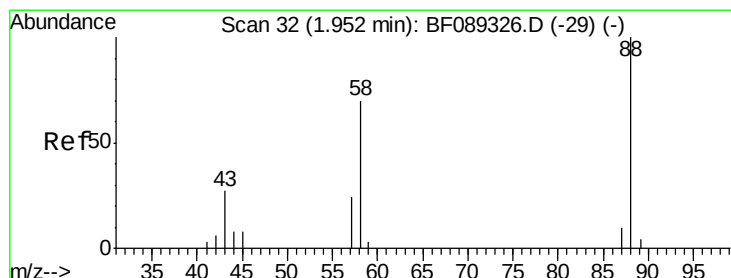
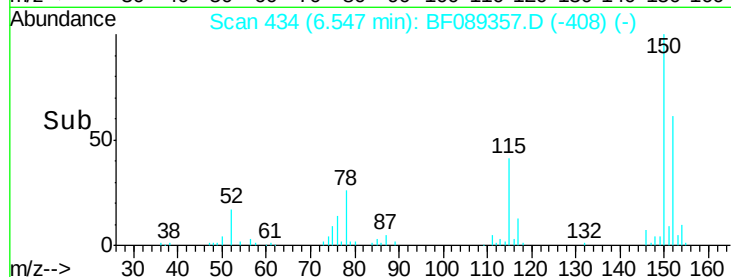
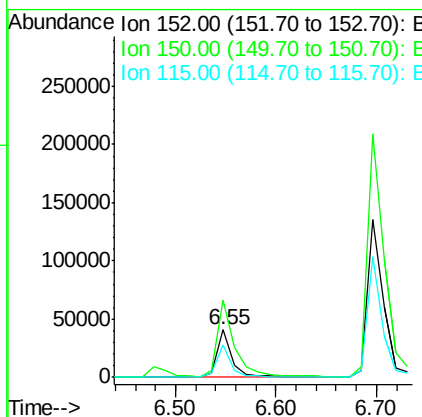
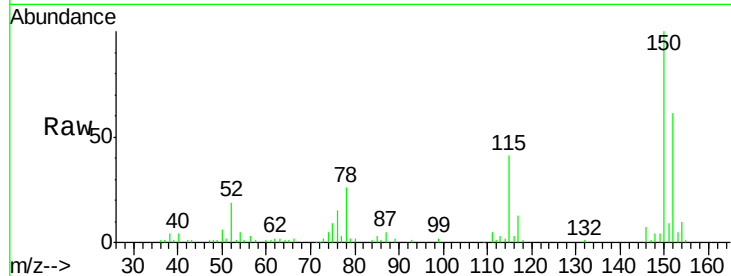
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.5	129.5	194.3
115	67.3	51.4	77.2

Manual Integrations

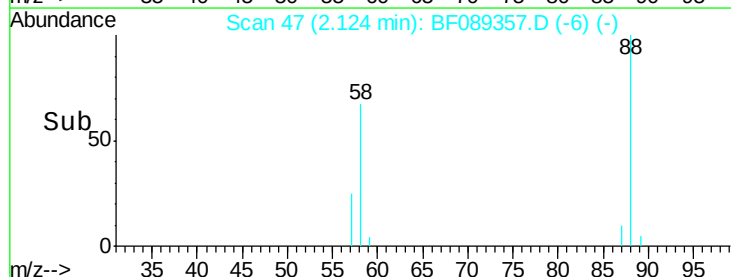
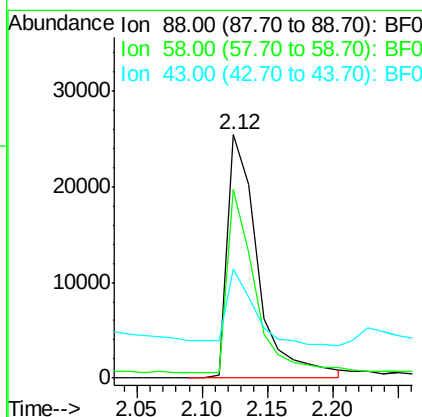
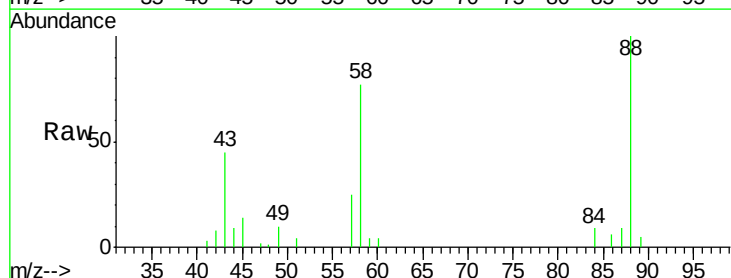
sohil
7/28/2016 5:03:58 PM

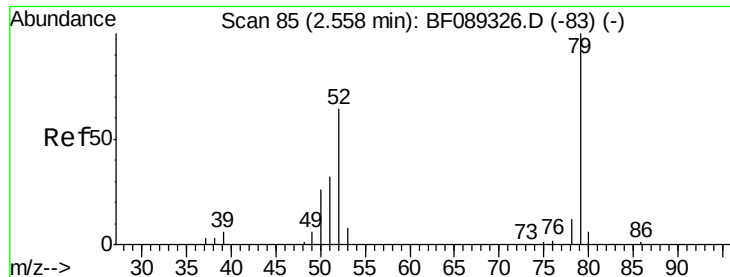


#2

1,4-Dioxane
Concen: 33.31 ng
RT: 2.12 min Scan# 47
Delta R.T. 0.17 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.7	53.2	79.8
43	0.0	20.6	31.0#





#3

Pyridine

Concen: 29.64 ng m

RT: 2.72 min Scan# 99

Delta R.T. 0.15 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

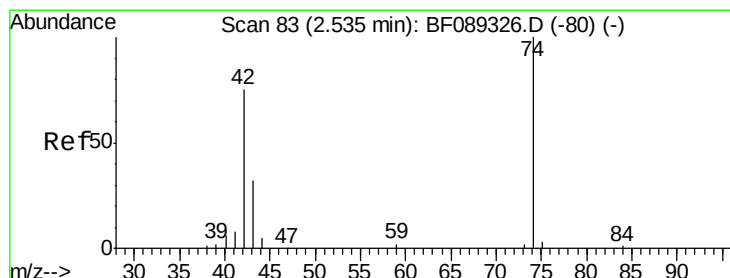
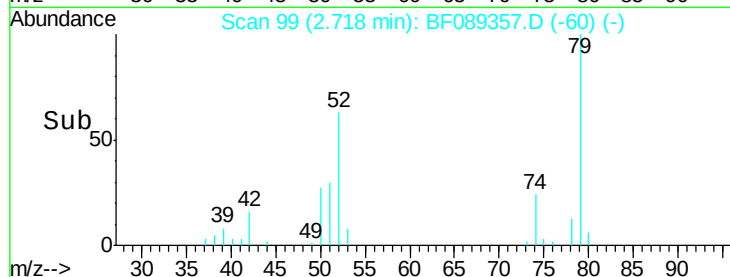
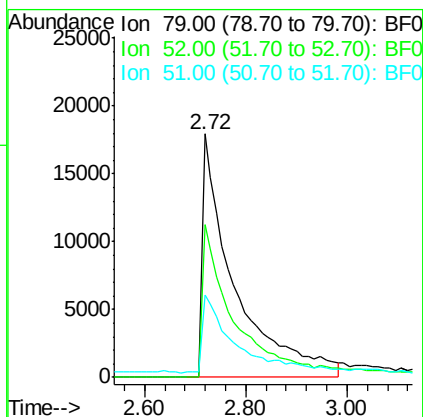
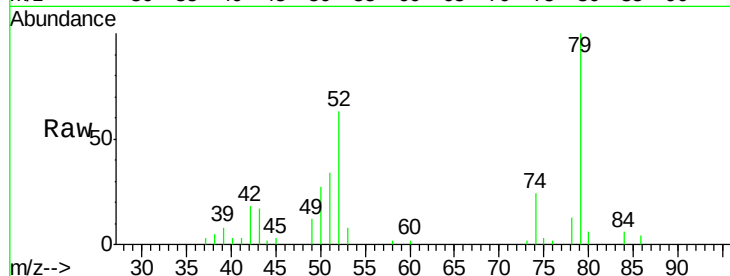
I-4MSD

Tgt Ion:	79	Resp:	78511
Ion	Ratio	Lower	Upper
79	100		
52	62.8	51.9	77.9
51	34.0	28.2	42.4

Manual Integrations

sohil

7/28/2016 5:03:58 PM



#4

n-Nitrosodimethylamine

Concen: 39.72 ng

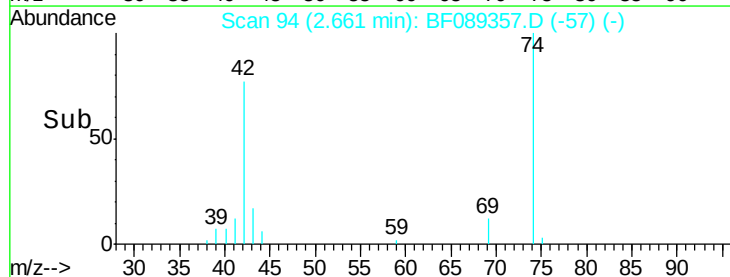
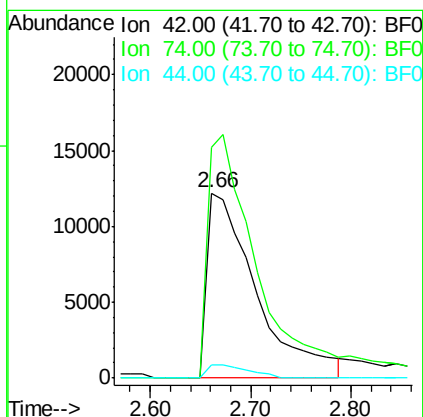
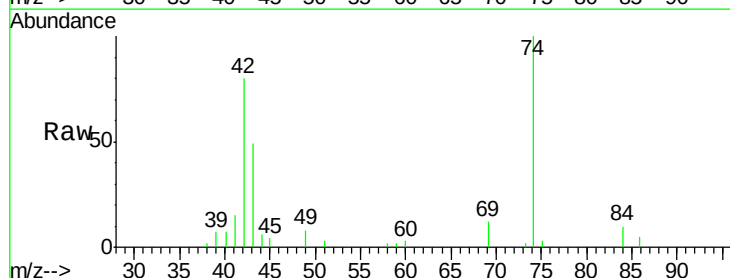
RT: 2.66 min Scan# 94

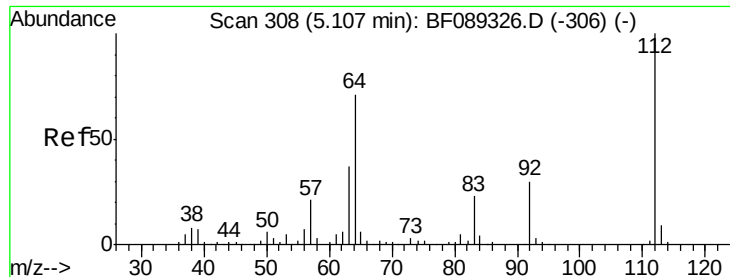
Delta R.T. 0.13 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:	42	Resp:	41580
Ion	Ratio	Lower	Upper
42	100		
74	124.5	110.8	166.2
44	7.4	5.2	7.8





#5

2-Fluorophenol

Concen: 118.96 ng

RT: 5.14 min Scan# 311

Delta R.T. 0.03 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampled :

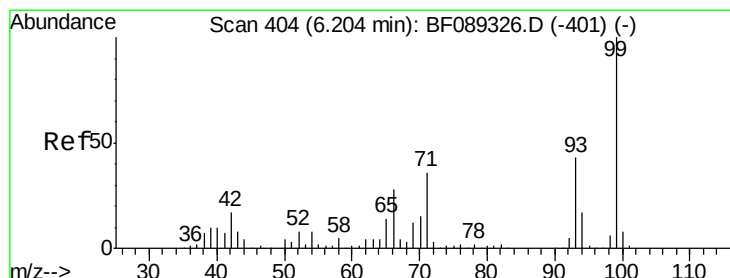
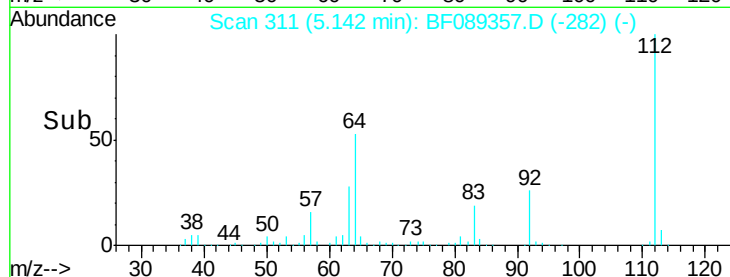
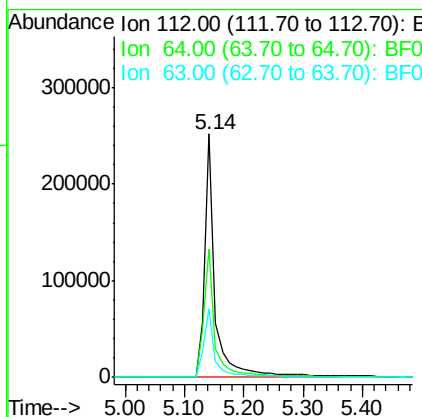
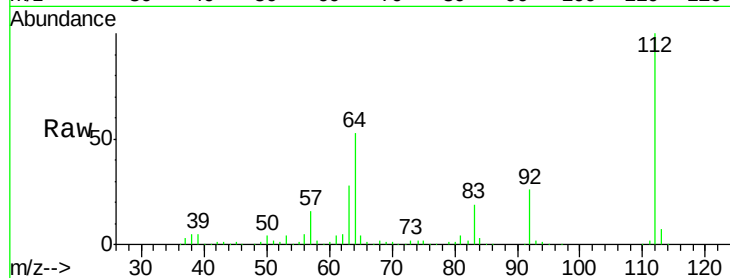
I-4MSD

Tgt Ion:	112	Resp:	322019
Ion Ratio	Lower	Upper	
112	100		
64	52.8	55.0	82.6#
63	28.3	29.4	44.2#

Manual Integrations

sohil

7/28/2016 5:03:58 PM



#6

Aniline

Concen: 13.52 ng

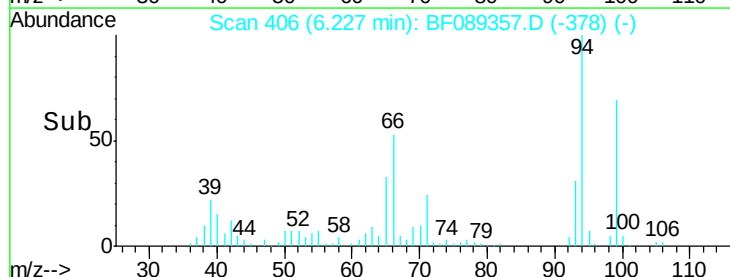
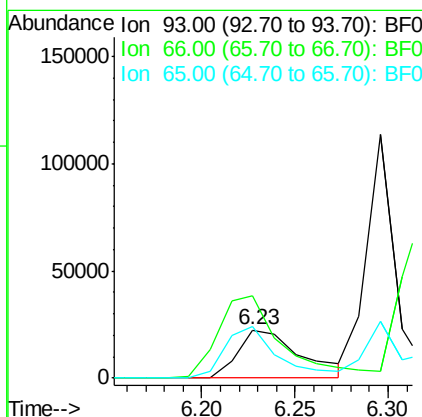
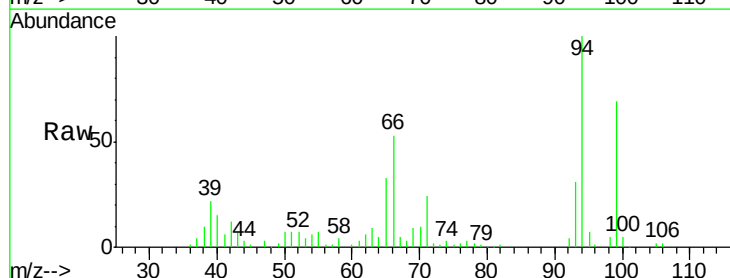
RT: 6.23 min Scan# 406

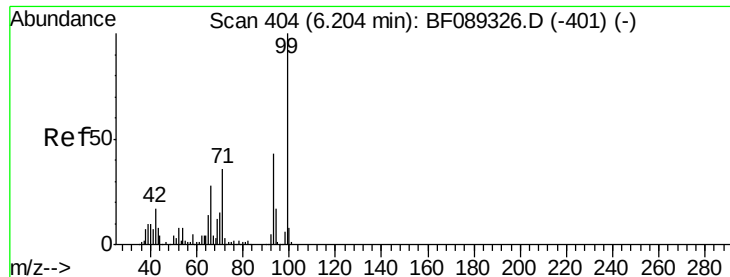
Delta R.T. 0.02 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:	93	Resp:	52239
Ion Ratio	Lower	Upper	
93	100		
66	170.9	51.6	77.4#
65	106.5	24.7	37.1#





#7

Phenol-d6

Concen: 108.96 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF089357.D

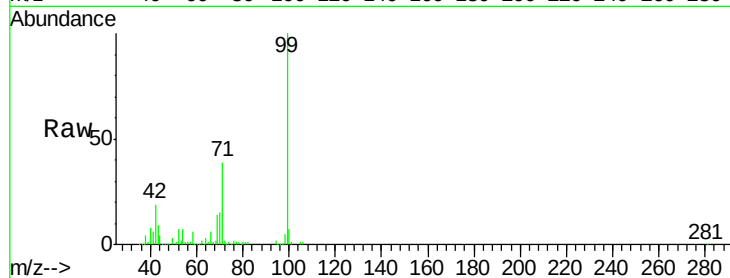
Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD



Tgt Ion: 99 Resp: 389781

Ion Ratio Lower Upper

99 100

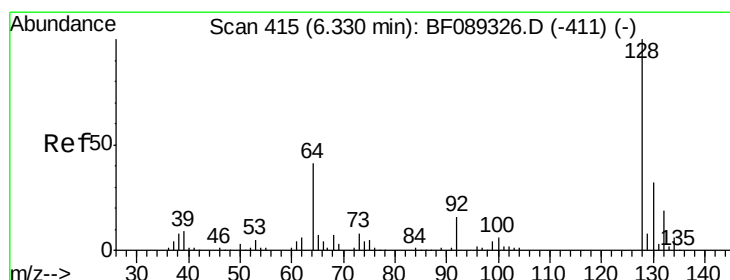
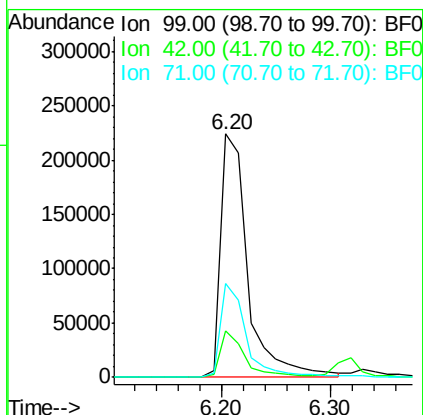
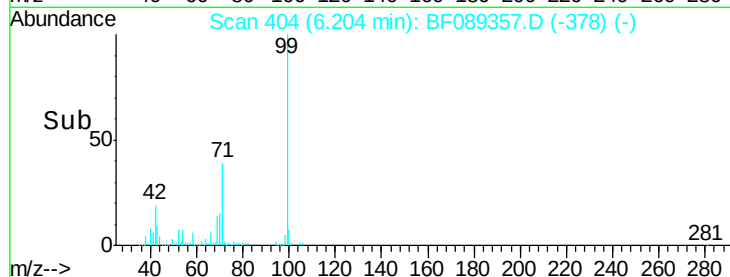
42 18.9 13.6 20.4

71 38.6 29.4 44.2

Manual Integrations

sohil

7/28/2016 5:03:58 PM



#8

2-Chlorophenol

Concen: 43.35 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

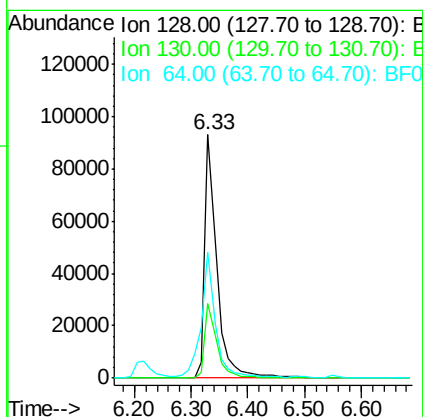
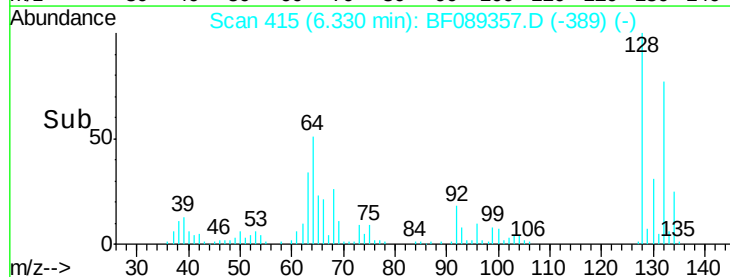
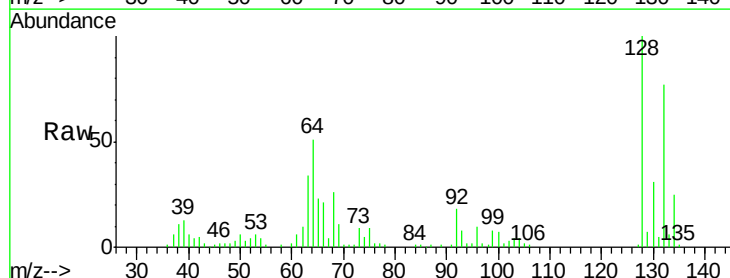
Tgt Ion: 128 Resp: 132737

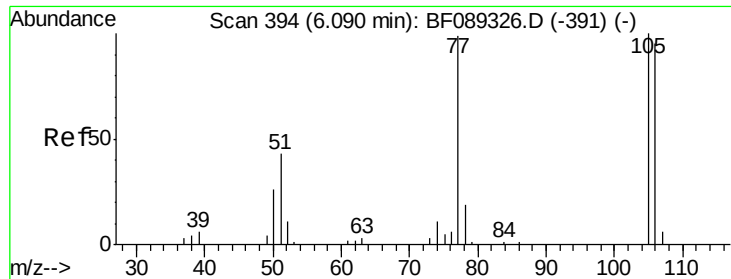
Ion Ratio Lower Upper

128 100

130 30.8 12.6 52.6

64 51.5 22.1 62.1





#9

Benzaldehyde

Concen: 12.32 ng

RT: 6.10 min Scan# 395

Delta R.T. 0.01 min

Lab File: BF089357.D

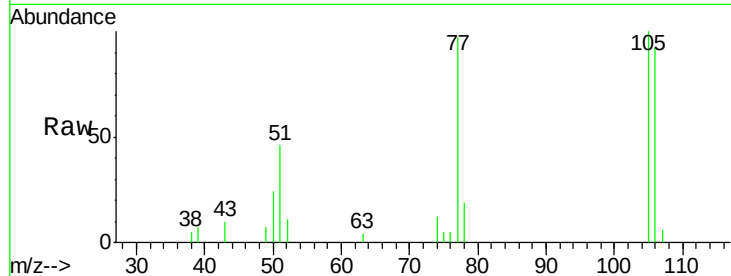
Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampled :

I-4MSD



Tgt Ion: 77 Resp: 21521

Ion Ratio Lower Upper

77 100

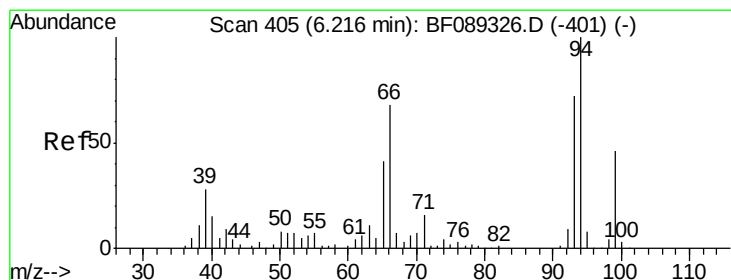
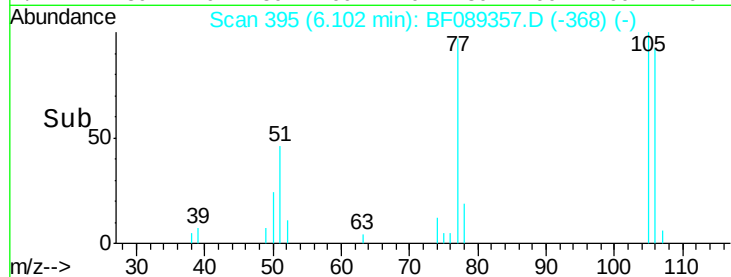
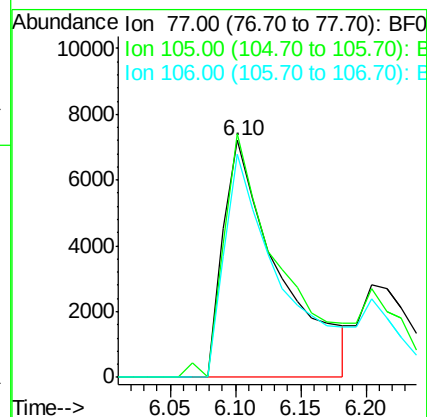
105 102.9 82.9 122.9

106 94.2 75.9 115.9

Manual Integrations

sohil

7/28/2016 5:03:58 PM



#10

Phenol

Concen: 37.22 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.01 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

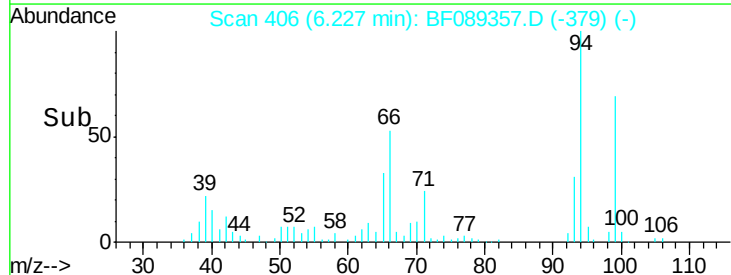
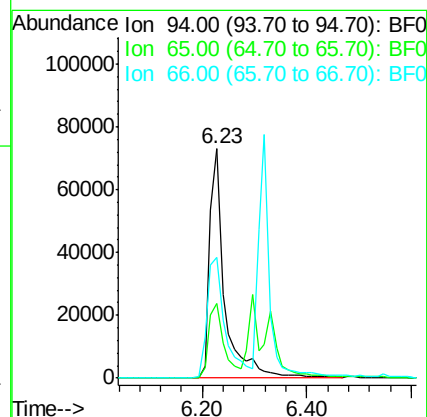
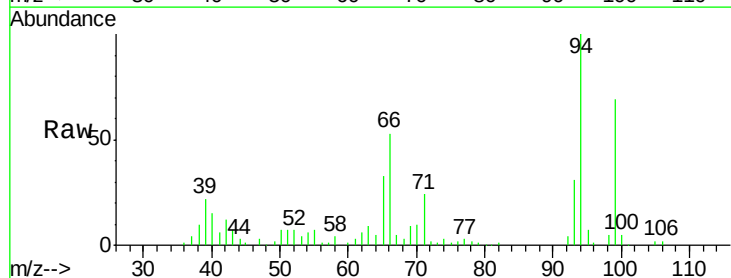
Tgt Ion: 94 Resp: 146912

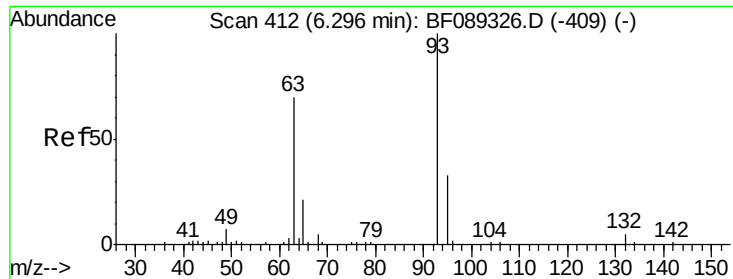
Ion Ratio Lower Upper

94 100

65 32.7 19.1 59.1

66 52.6 44.4 84.4





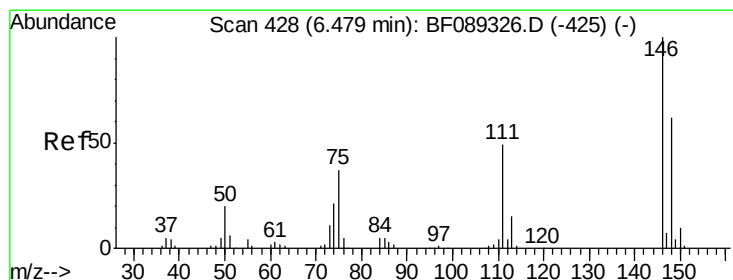
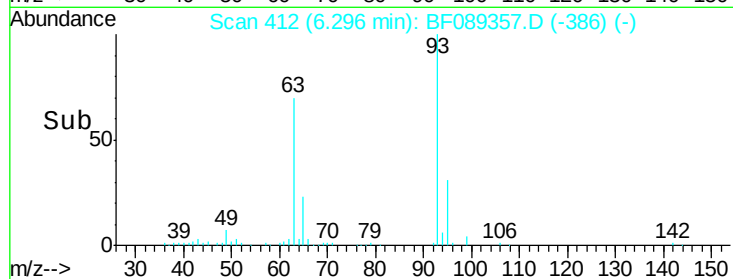
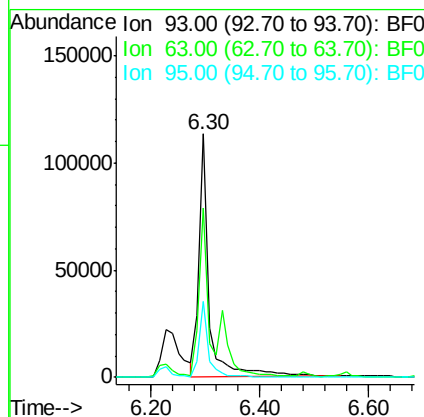
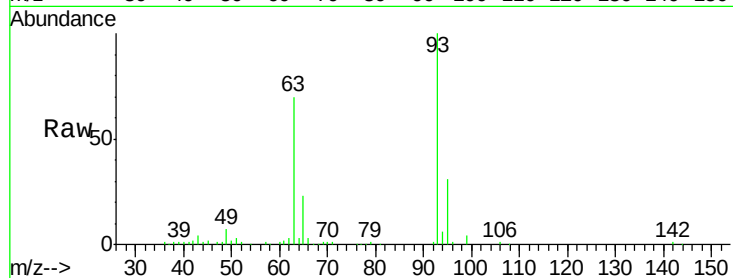
#11
bis(2-Chloroethyl)ether
Concen: 43.50 ng
RT: 6.30 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion	Ratio	Lower	Upper
93	100		
63	69.7	45.6	85.6
95	31.2	11.1	51.1

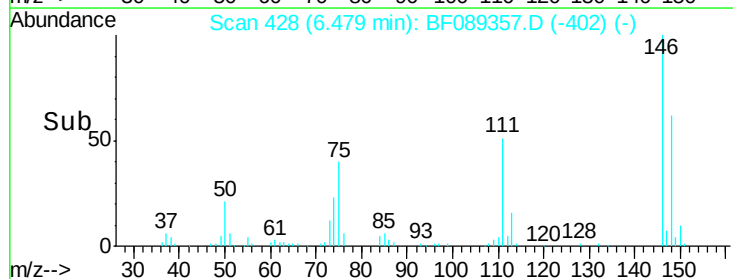
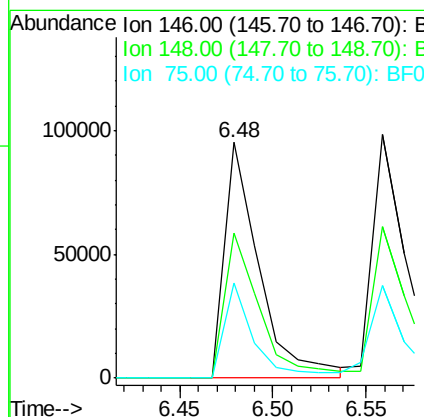
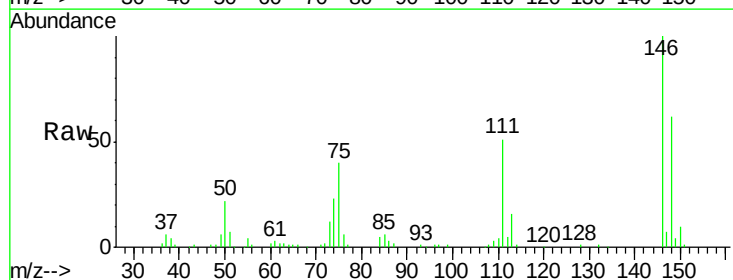
Manual Integrations

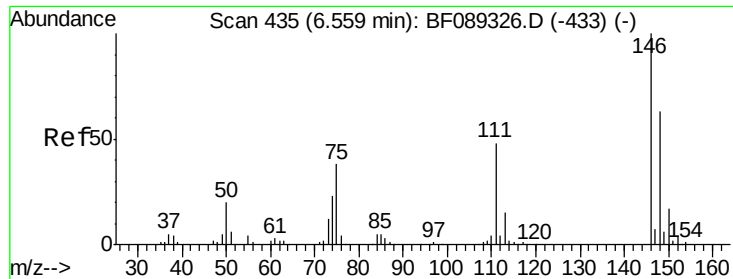
sohil
7/28/2016 5:03:58 PM



#12
1,3-Dichlorobenzene
Concen: 38.69 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.5	75.7
75	40.5	30.0	45.0





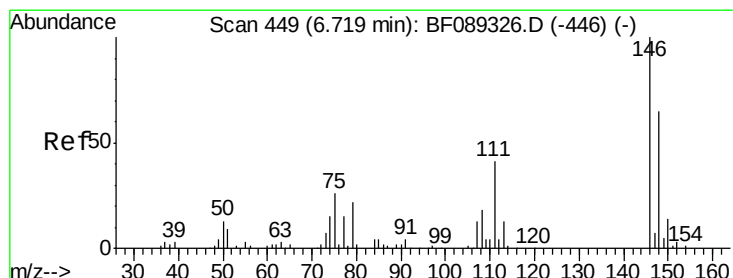
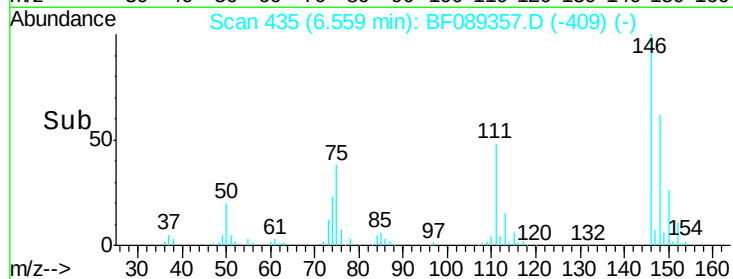
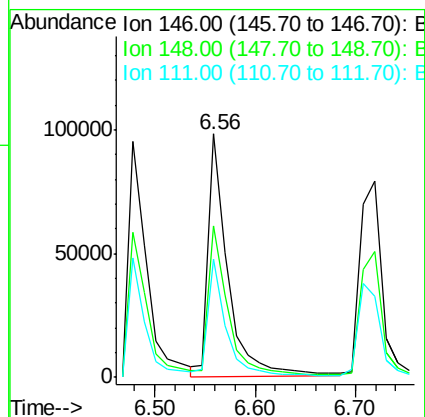
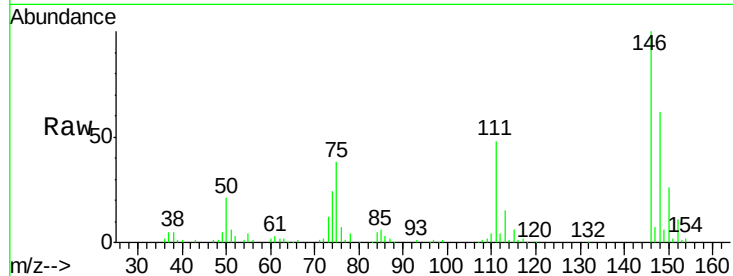
#13
 1,4-Dichlorobenzene
 Concen: 38.54 ng
 RT: 6.56 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampled :
 I-4MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.8	76.2
111	48.3	38.6	57.8

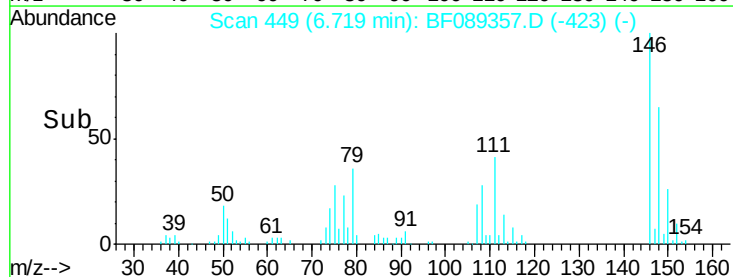
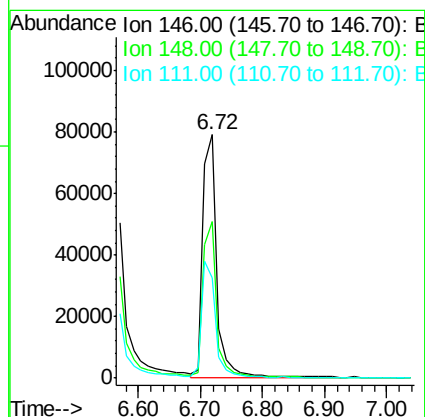
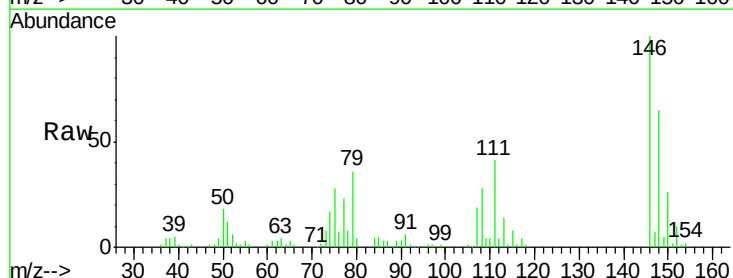
Manual Integrations

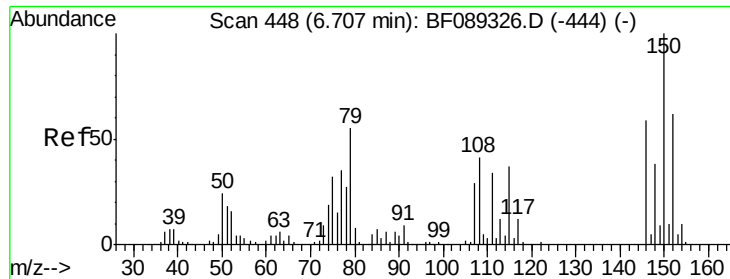
sohil
 7/28/2016 5:03:58 PM



#14
 1,2-Dichlorobenzene
 Concen: 38.62 ng
 RT: 6.72 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.4	75.6
111	41.1	33.0	49.4





#15

Benzyl Alcohol

Concen: 46.73 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampled :

I-4MSD

Tgt Ion: 79 Resp: 103731
Ion Ratio Lower Upper

79 100

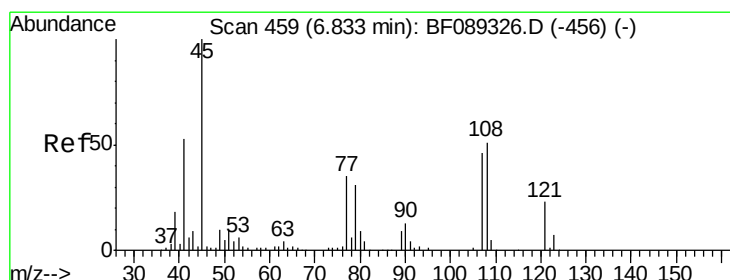
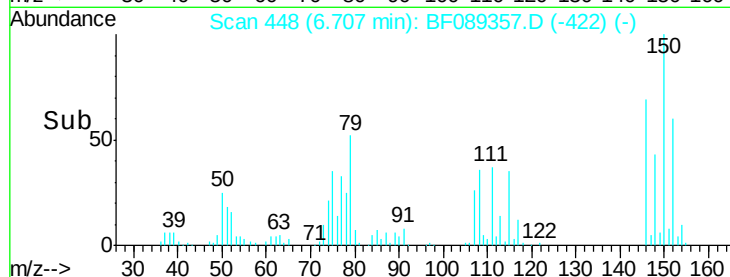
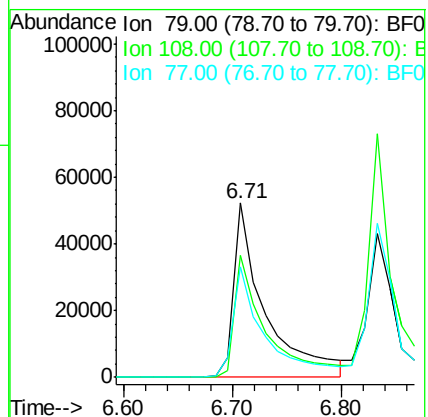
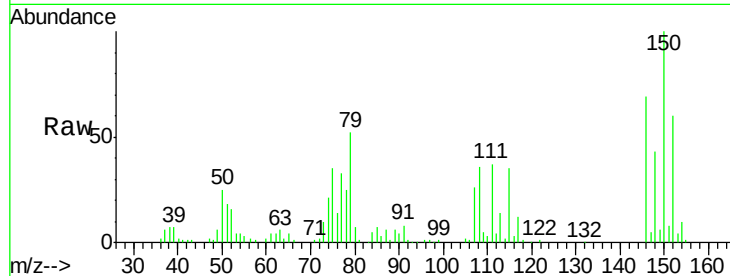
108 69.9 59.8 89.6

77 63.3 51.7 77.5

Manual Integrations

sohil

7/28/2016 5:03:58 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.98 ng

RT: 6.83 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF089357.D

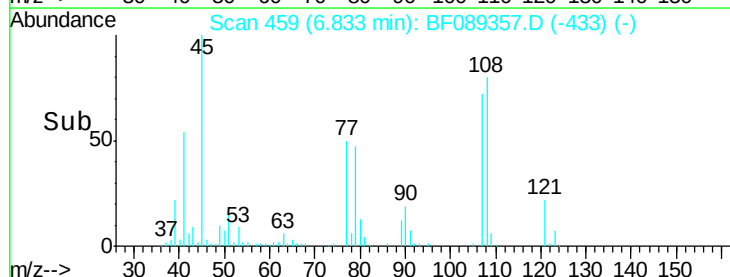
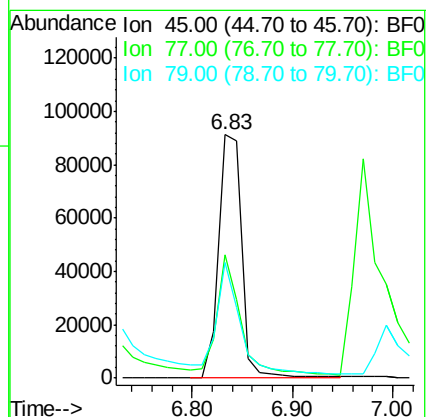
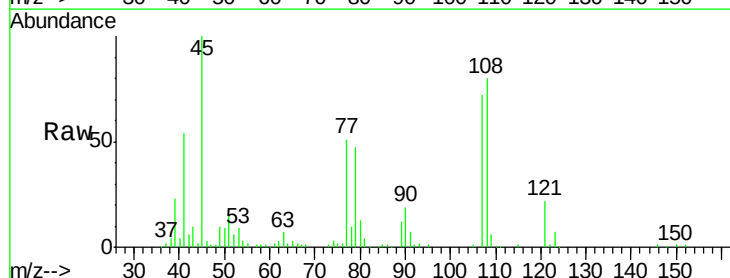
Acq: 28 Jul 2016 10:20

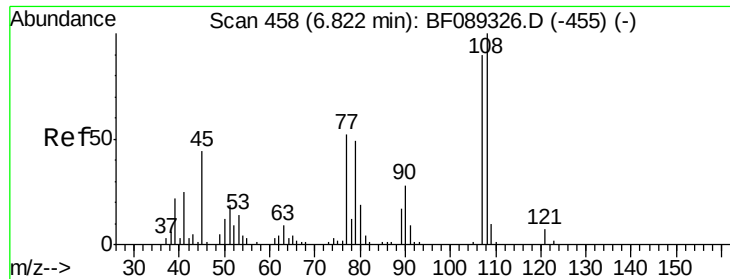
Tgt Ion: 45 Resp: 146255
Ion Ratio Lower Upper

45 100

77 50.6 17.3 57.3

79 47.2 13.9 53.9





#17

2-Methylphenol

Concen: 40.86 ng

RT: 6.83 min Scan# 459

Delta R.T. 0.01 min

Lab File: BF089357.D

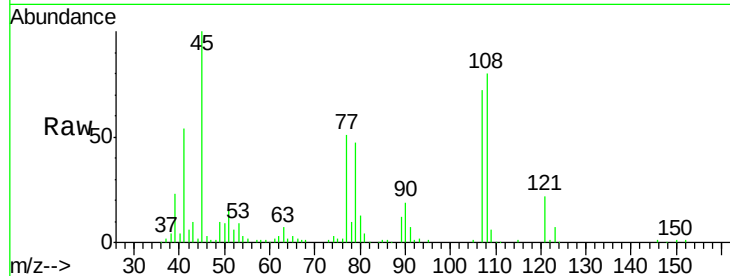
Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampled :

I-4MSD



Tgt Ion:107 Resp: 96688

Ion Ratio Lower Upper

107 100

108 110.5 91.4 137.0

77 69.9 48.6 73.0

79 65.2 48.2 72.4

Manual Integrations

sohil

7/28/2016 5:03:58 PM

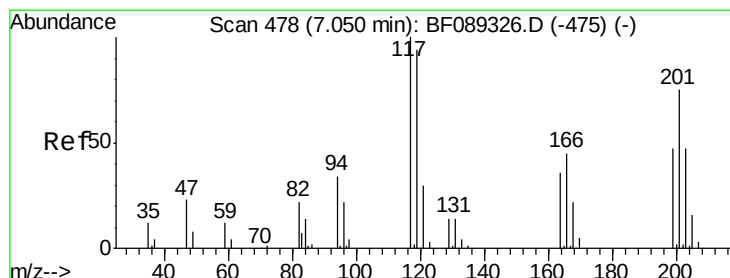
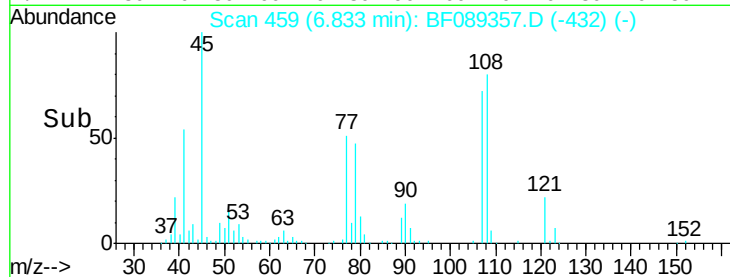
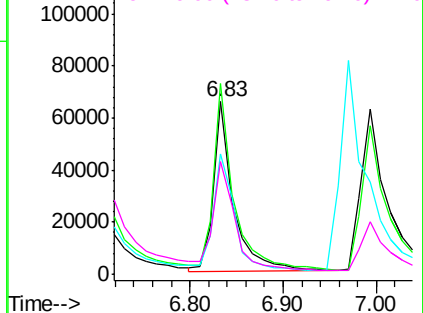
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 37.95 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:117 Resp: 51428

Ion Ratio Lower Upper

117 100

119 93.3 76.0 114.0

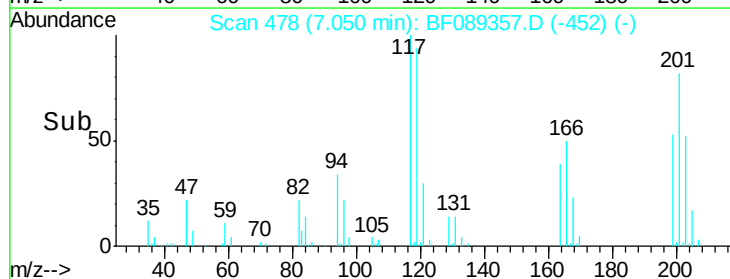
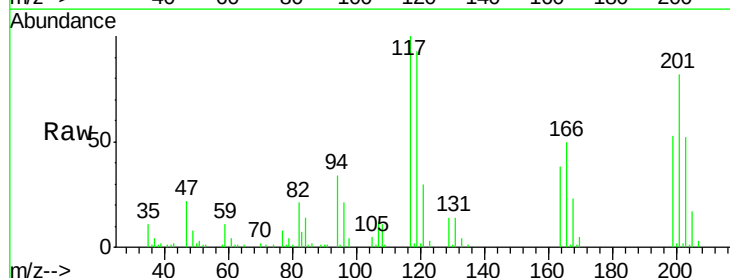
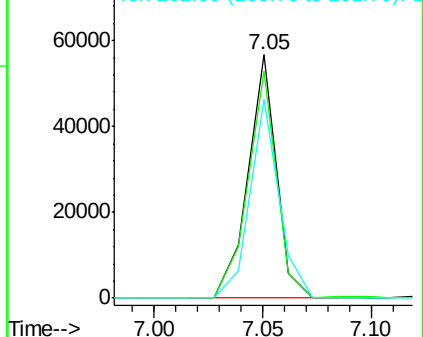
201 81.9 60.0 90.0

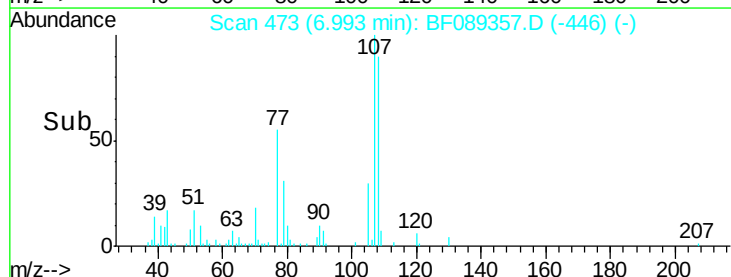
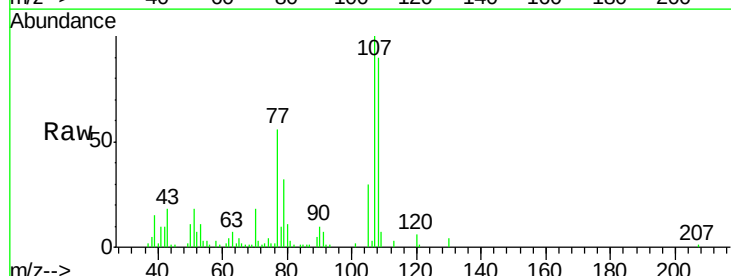
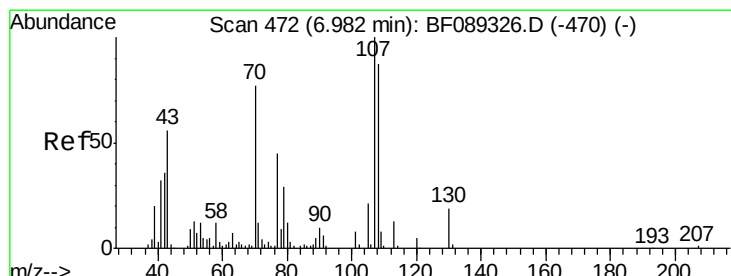
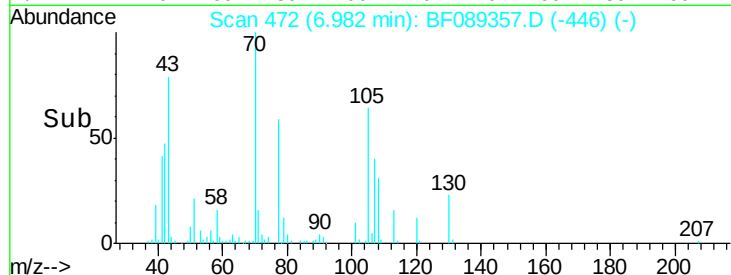
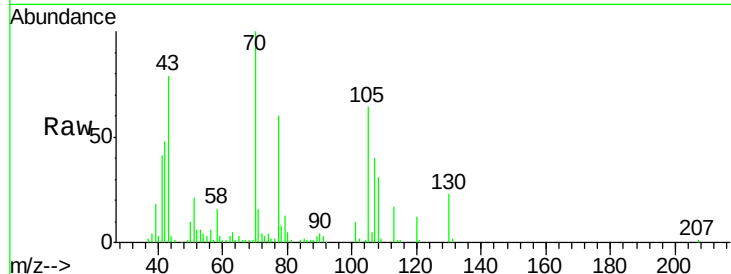
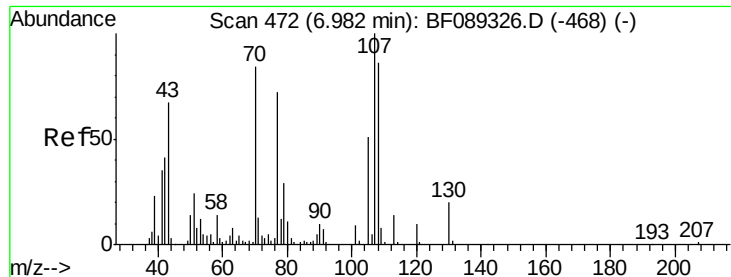
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

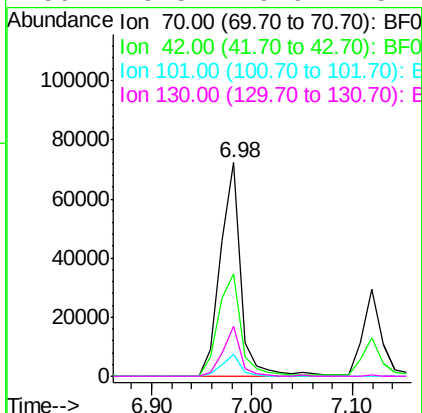




#19
n-Nitroso-di-n-propylamine
Concen: 47.47 ng
RT: 6.98 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	48.1	38.6	57.8
101	10.3	8.3	12.5
130	23.5	19.0	28.4

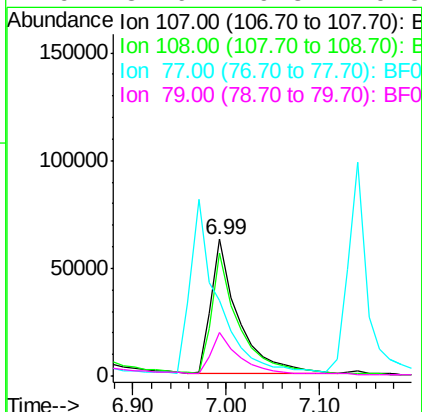


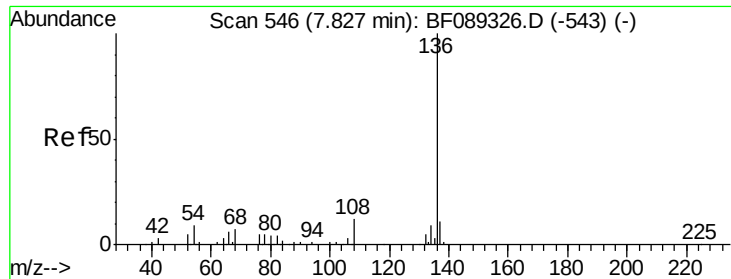
Manual Integrations

sohil
7/28/2016 5:03:58 PM

#20
3+4-Methylphenols
Concen: 41.08 ng
RT: 6.99 min Scan# 473
Delta R.T. 0.01 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.8	63.3	103.3
77	55.7	51.1	91.1
79	31.6	9.3	49.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

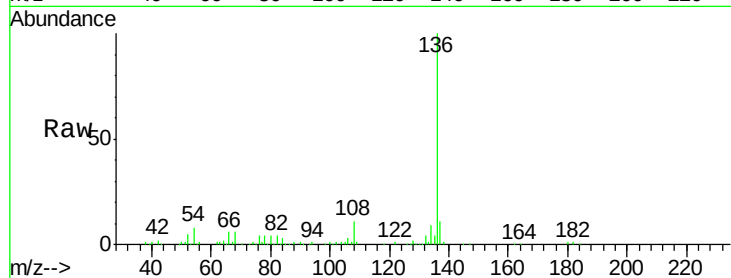
I-4MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	191189		
137	10.8	8.6	13.0	
54	8.2	7.0	10.4	
68	6.3	4.9	7.3	

Manual Integrations

sohil

7/28/2016 5:03:58 PM

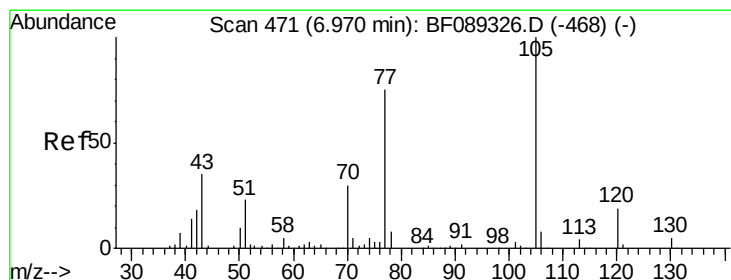
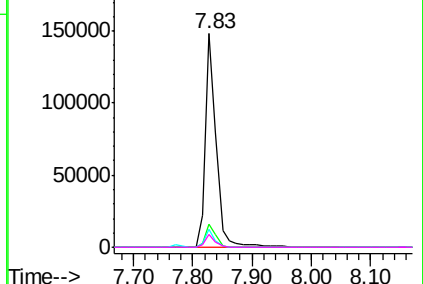
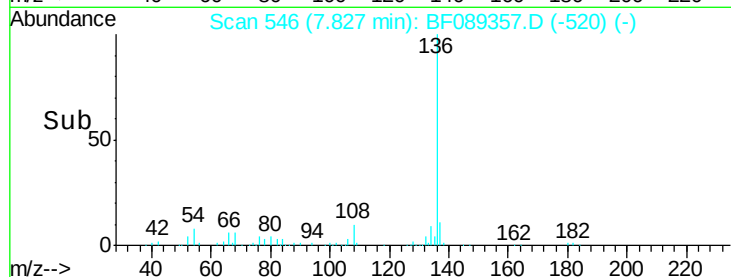


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 38.33 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

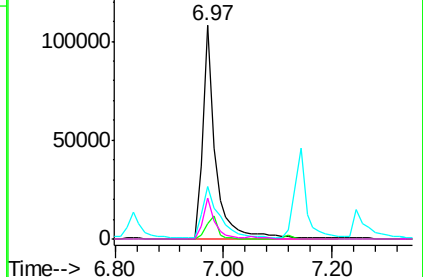
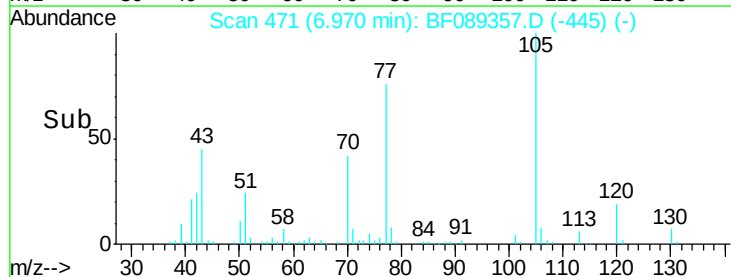
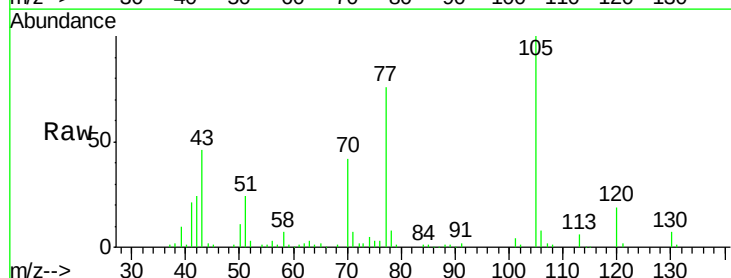
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	174467		
71	7.0	4.2	6.2#	
51	24.3	18.7	28.1	
120	19.2	15.8	23.6	

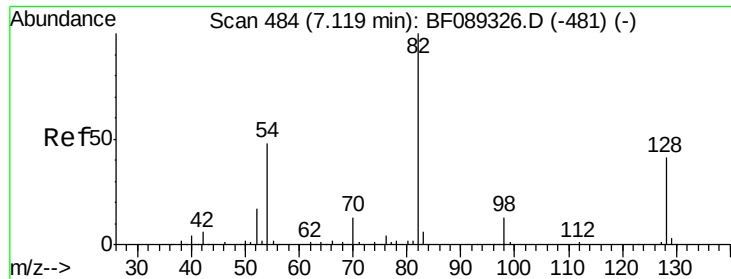
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





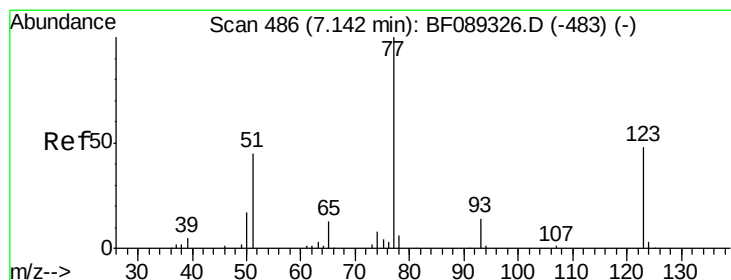
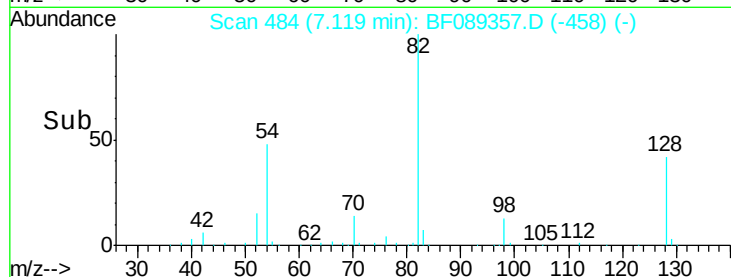
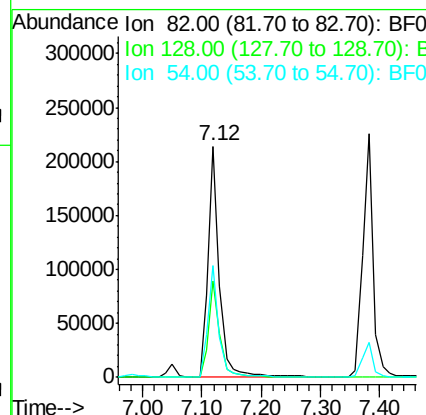
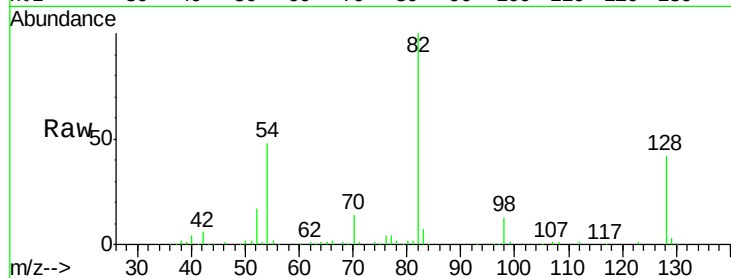
#23
 Nitrobenzene-d5
 Concen: 90.57 ng
 RT: 7.12 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	293365		
128	41.6	32.5	48.7	
54	48.4	38.8	58.2	

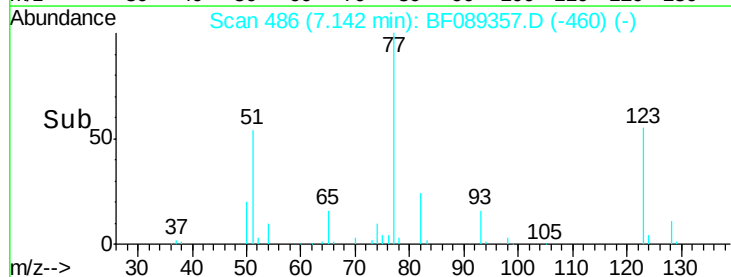
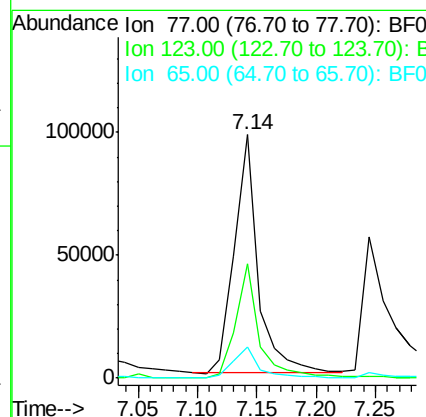
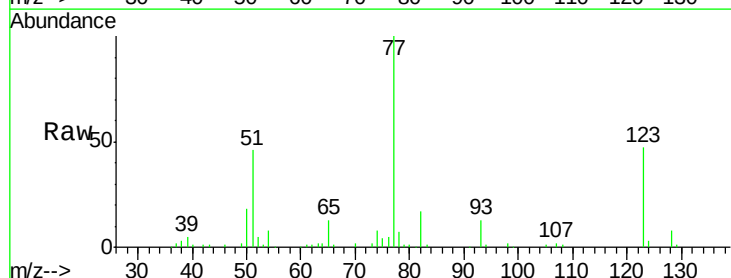
Manual Integrations

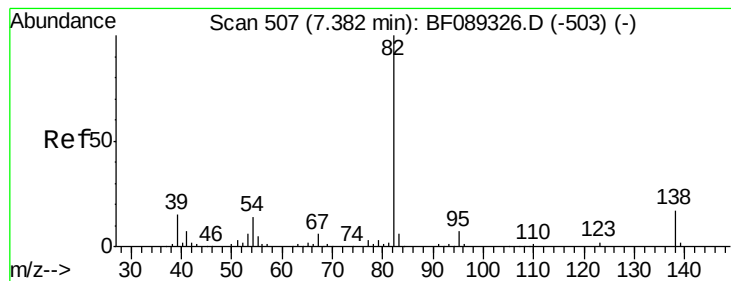
sohil
 7/28/2016 5:03:58 PM



#24
 Nitrobenzene
 Concen: 36.43 ng
 RT: 7.14 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	134296		
123	46.9	37.2	55.8	
65	12.9	10.2	15.4	





#25

Isophorone

Concen: 42.64 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

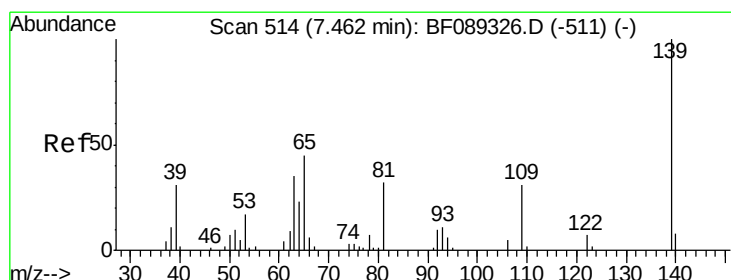
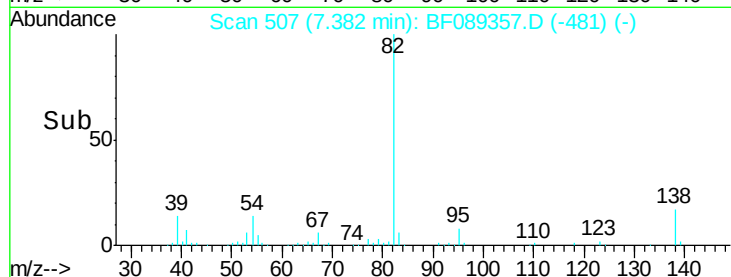
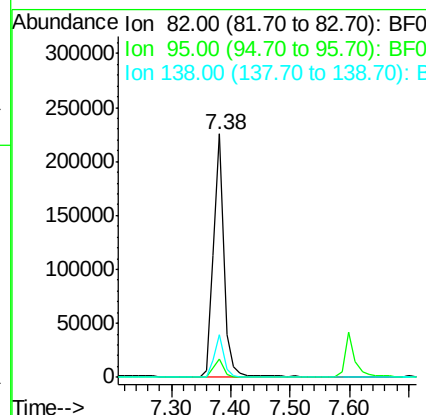
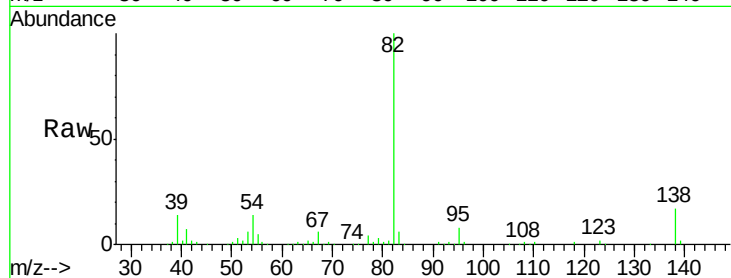
I-4MSD

Tgt Ion:	82	Resp:	278216
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.0	9.0
138	17.4	13.3	19.9

Manual Integrations

sohil

7/28/2016 5:03:58 PM



#26

2-Nitrophenol

Concen: 39.45 ng

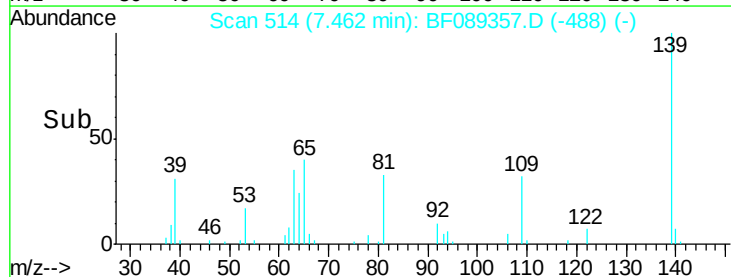
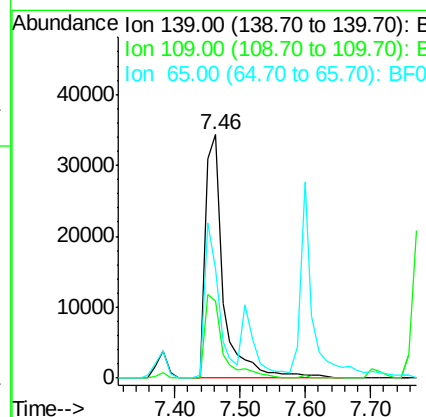
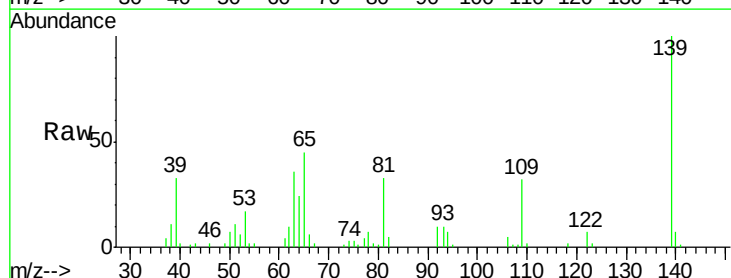
RT: 7.46 min Scan# 514

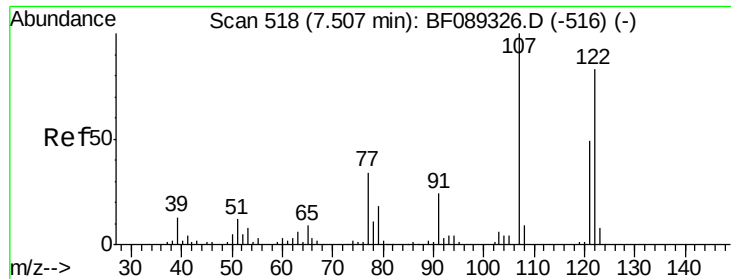
Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:	139	Resp:	65019
Ion Ratio	Lower	Upper	
139	100		
109	31.9	25.8	38.8
65	44.9	35.2	52.8





#27

2,4-Dimethylphenol

Concen: 40.41 ng

RT: 7.51 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampled :

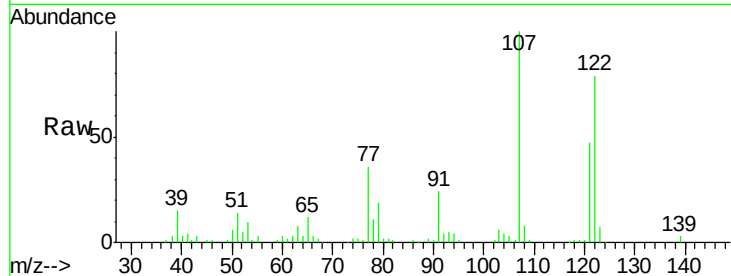
I-4MSD

Tgt Ion:	122	Resp:	106110
Ion Ratio	Lower	Upper	
122	100		
107	127.3	97.2	145.8
121	59.5	48.8	73.2

Manual Integrations

sohil

7/28/2016 5:03:58 PM

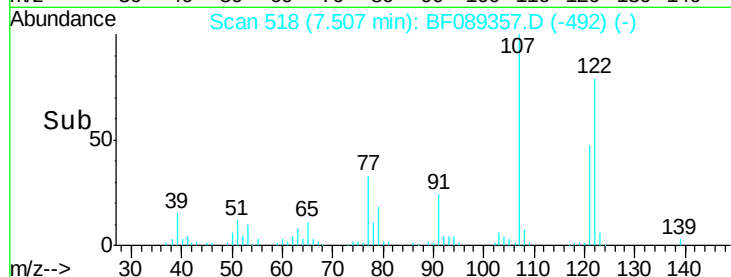


Abundance Ion 122.00 (121.70 to 122.70): E

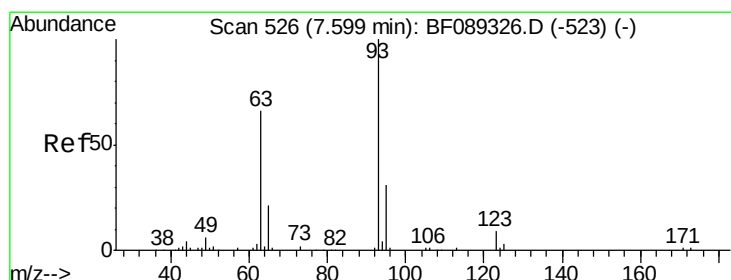
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Time-->



Time-->



#28

bis(2-Chloroethoxy)methane

Concen: 46.74 ng

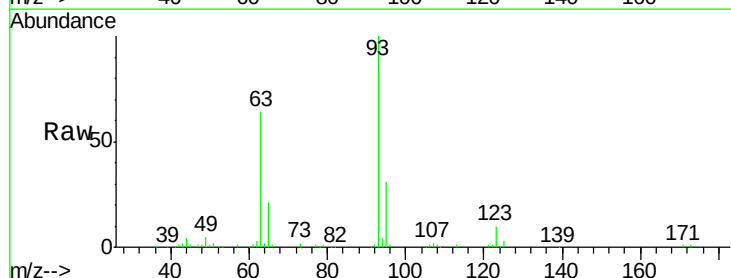
RT: 7.60 min Scan# 526

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:	93	Resp:	168800
Ion Ratio	Lower	Upper	
93	100		
95	31.2	24.7	37.1
123	10.0	7.5	11.3

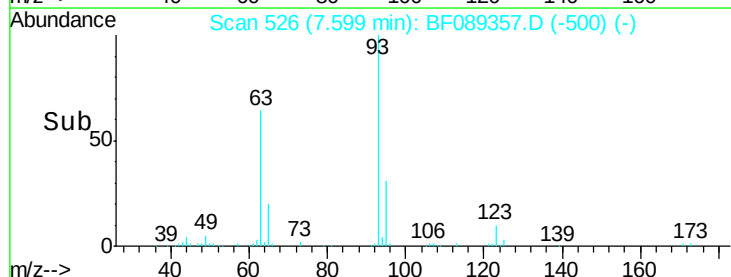


Abundance Ion 93.00 (92.70 to 93.70): BF0

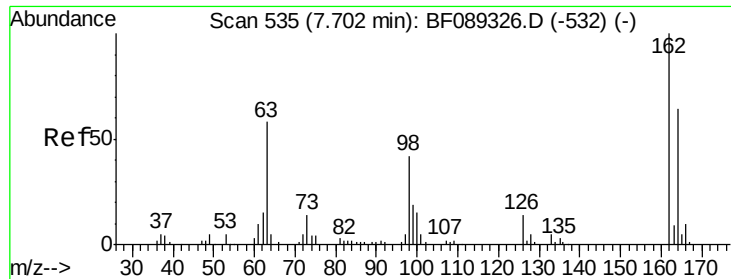
Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

Time-->



Time-->



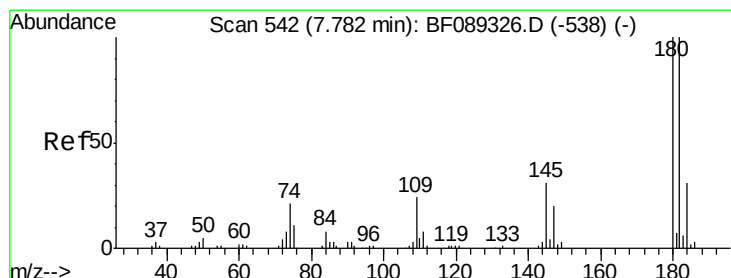
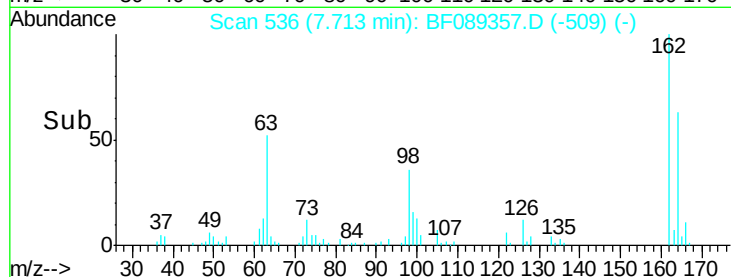
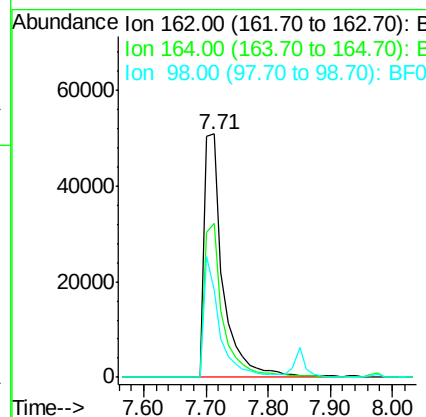
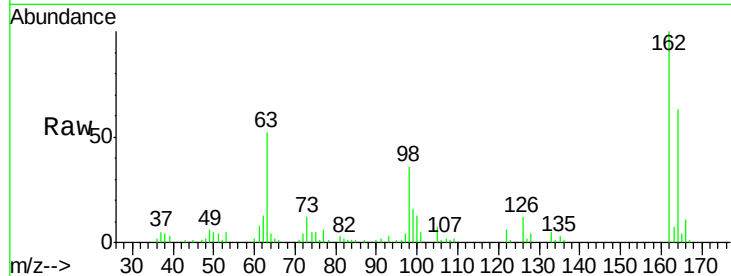
#29
2,4-Dichlorophenol
Concen: 45.15 ng
RT: 7.71 min Scan# 536
Delta R.T. 0.01 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampled :
I-4MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	108036		
164	63.4	44.0	84.0	
98	35.9	21.8	61.8	

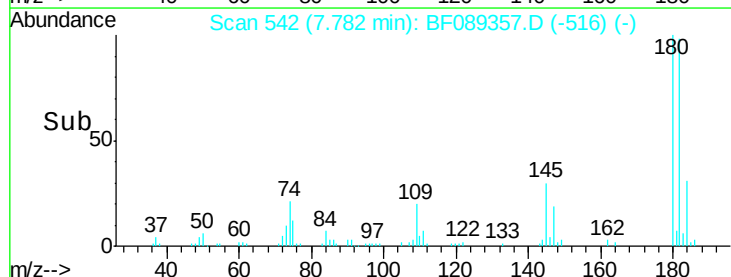
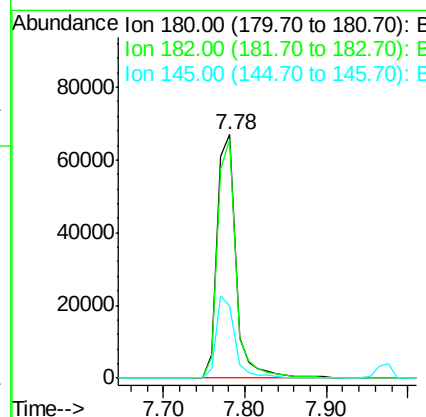
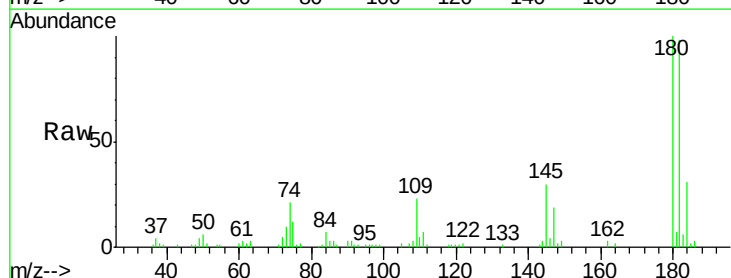
Manual Integrations

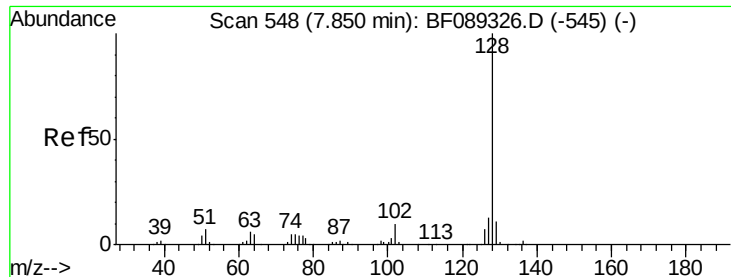
sohil
7/28/2016 5:03:58 PM



#30
1,2,4-Trichlorobenzene
Concen: 39.69 ng
RT: 7.78 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108353		
182	97.9	78.2	117.2	
145	29.8	24.6	36.8	





#31

Naphthalene

Concen: 44.11 ng m

RT: 7.85 min Scan# 548

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampled :

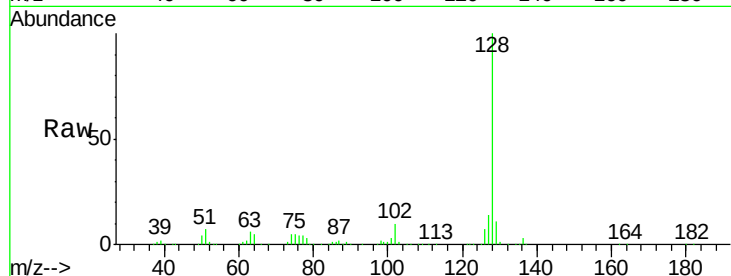
I-4MSD

Tgt Ion:	128	Resp:	417623
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.8	13.2
127	13.6	10.8	16.2

Manual Integrations

sohil

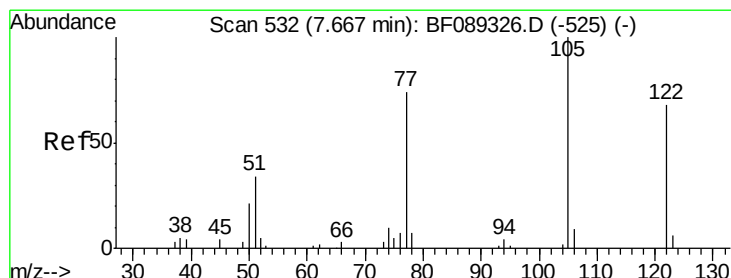
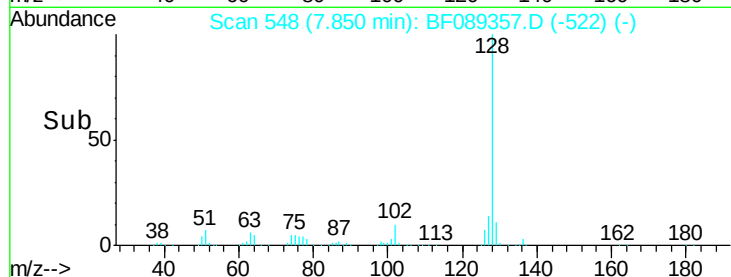
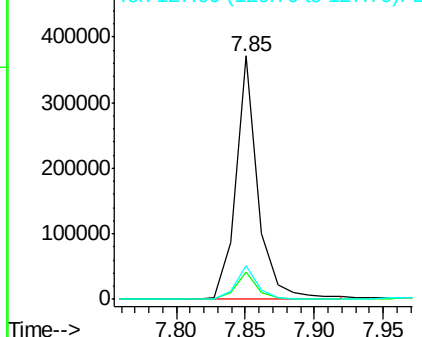
7/28/2016 5:03:58 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 31.52 ng

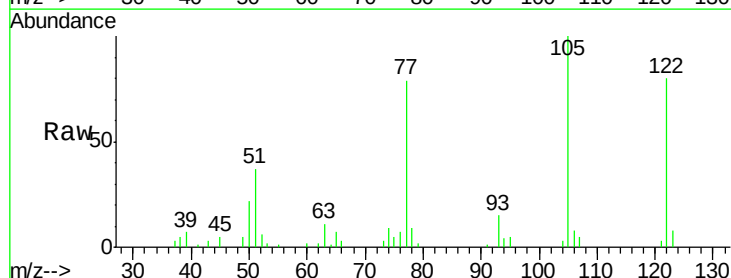
RT: 7.67 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

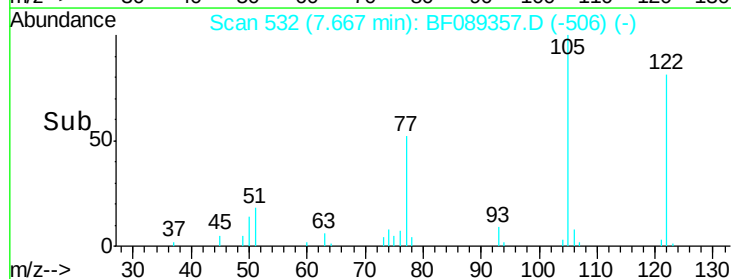
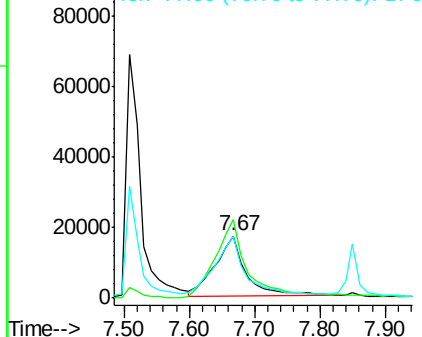
Tgt Ion:	122	Resp:	57662
Ion Ratio	Lower	Upper	
122	100		
105	125.4	106.4	146.4
77	98.9	76.4	116.4

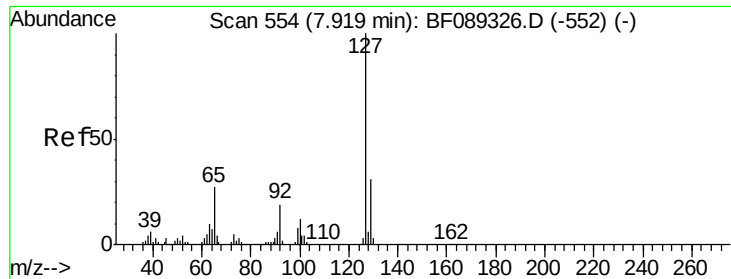


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





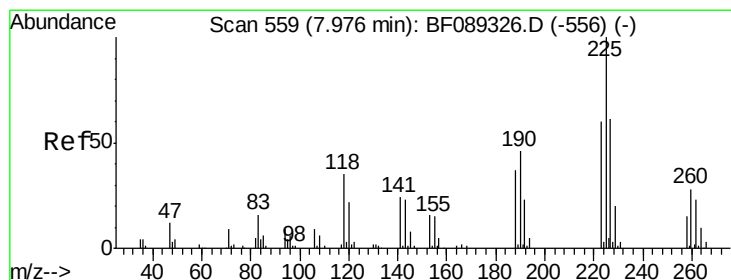
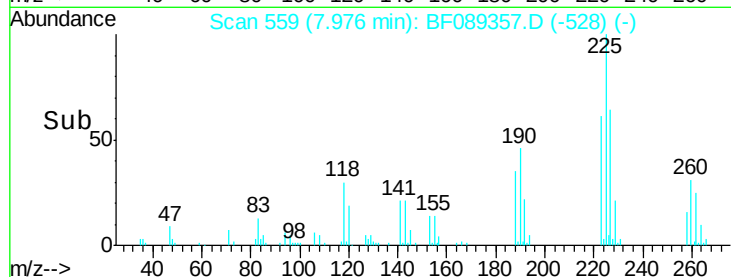
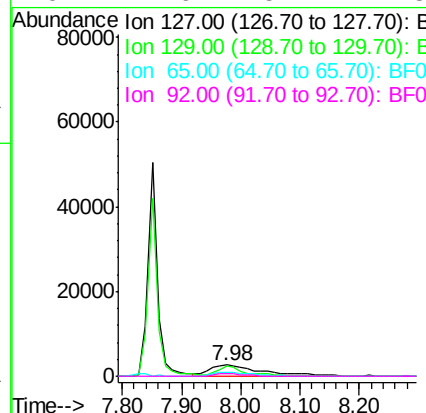
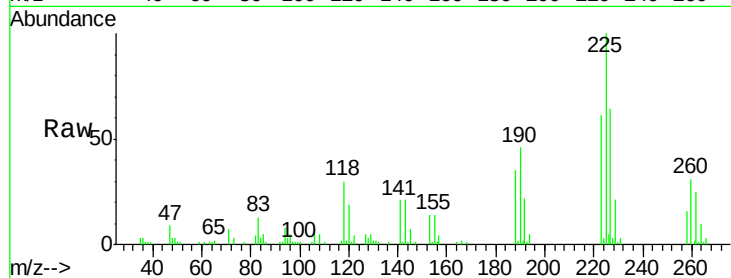
#33
4-Chloroaniline
Concen: 4.58 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.06 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	16514		
129	94.4	26.1	39.1#	
65	32.2	22.0	33.0	
92	17.9	15.2	22.8	

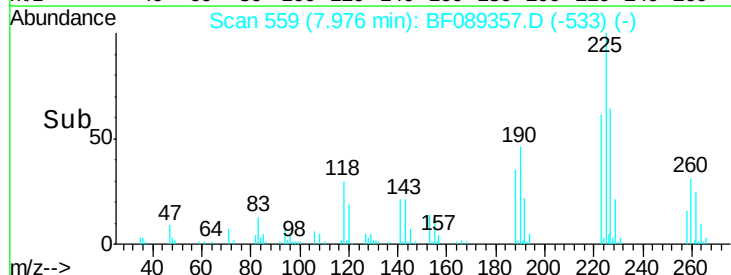
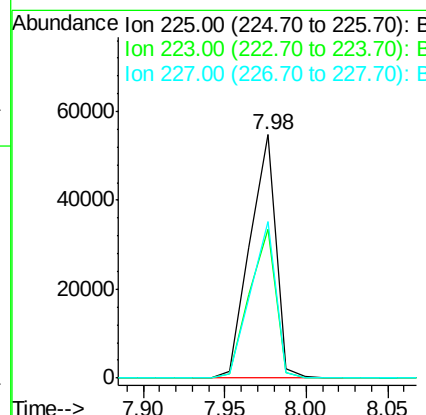
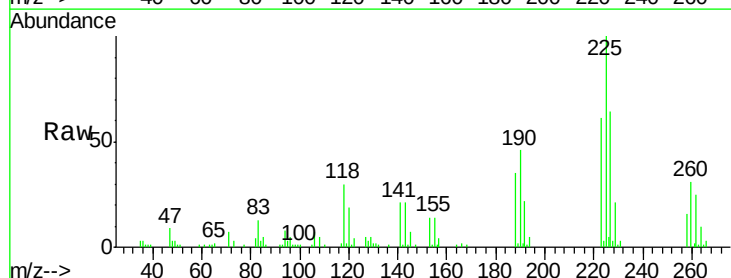
Manual Integrations

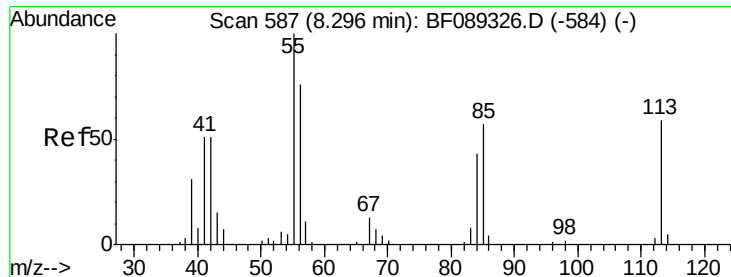
sohil
7/28/2016 5:03:58 PM



#34
Hexachlorobutadiene
Concen: 38.84 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60718		
223	61.4	49.8	74.8	
227	64.2	49.4	74.2	





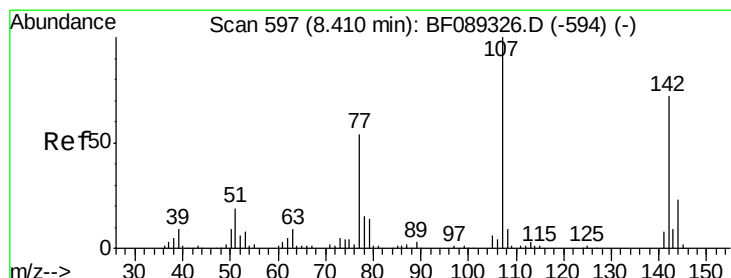
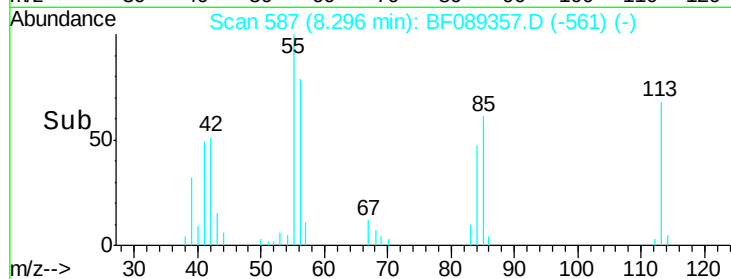
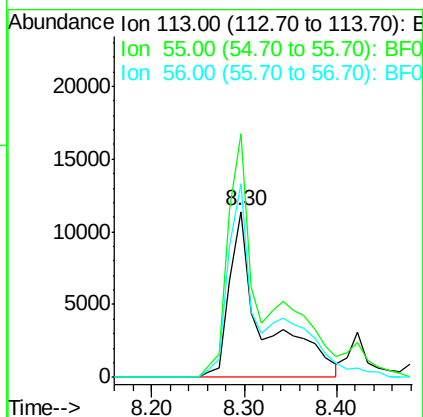
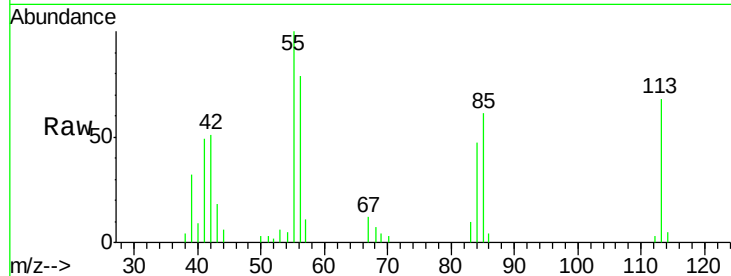
#35
 Caprolactam
 Concen: 40.13 ng m
 RT: 8.30 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampled :
 I-4MSD

Tgt Ion:113 Resp: 28978
 Ion Ratio Lower Upper
 113 100
 55 147.0 142.3 182.3
 56 116.8 105.8 145.8

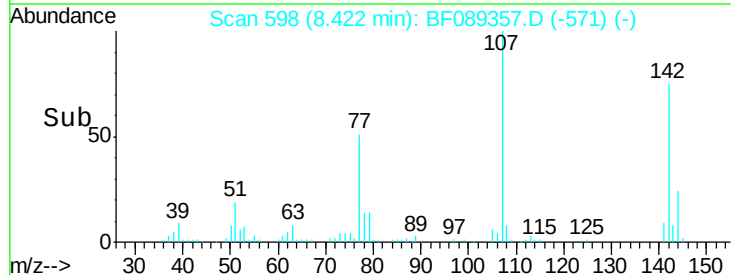
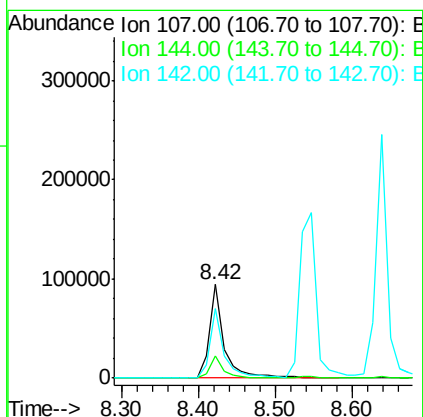
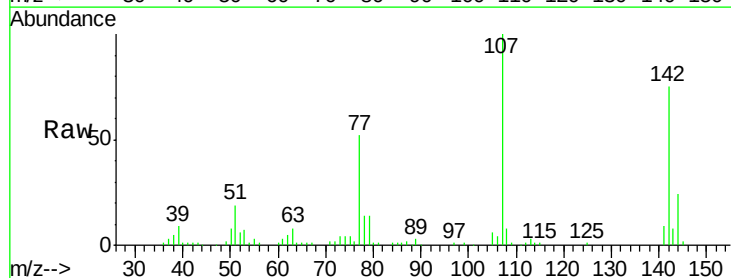
Manual Integrations

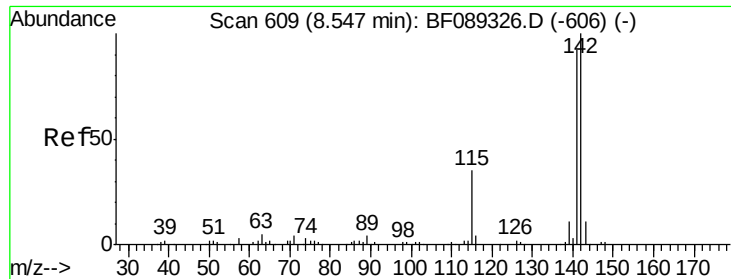
sohil
 7/28/2016 5:03:58 PM



#36
 4-Chloro-3-methylphenol
 Concen: 44.12 ng
 RT: 8.42 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:107 Resp: 125463
 Ion Ratio Lower Upper
 107 100
 144 24.1 18.4 27.6
 142 75.1 58.6 87.8





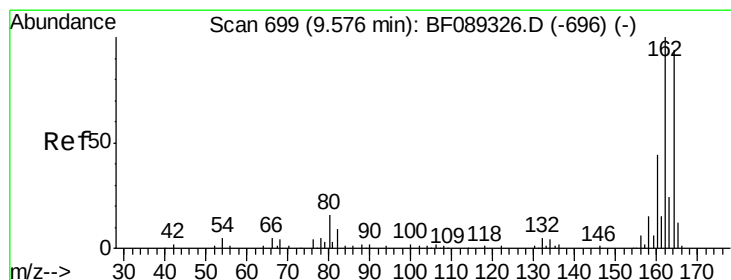
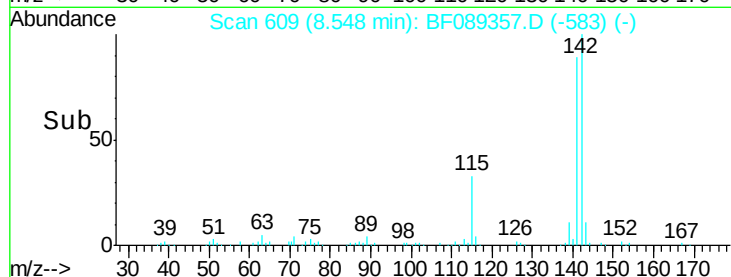
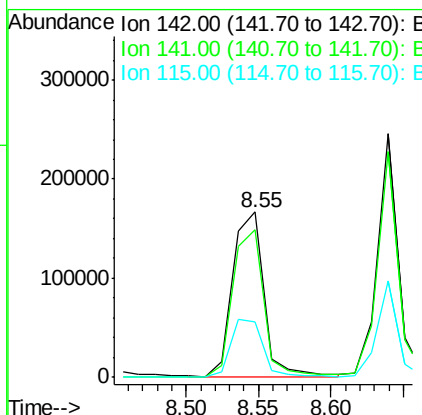
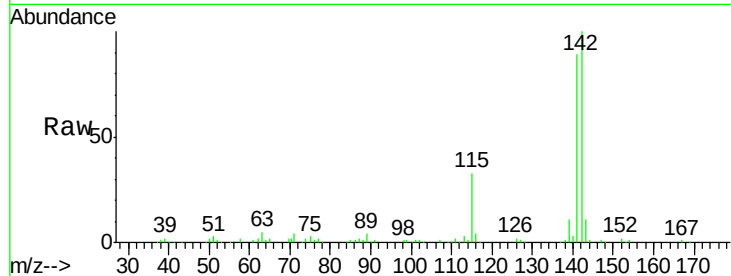
#37
 2-Methylnaphthalene
 Concen: 44.00 ng
 RT: 8.55 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Tgt Ion:	142	Resp:	251010
Ion Ratio	Lower	Upper	
142	100		
141	89.1	70.9	106.3
115	33.4	27.6	41.4

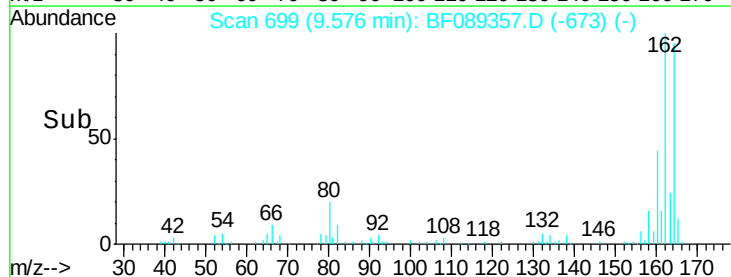
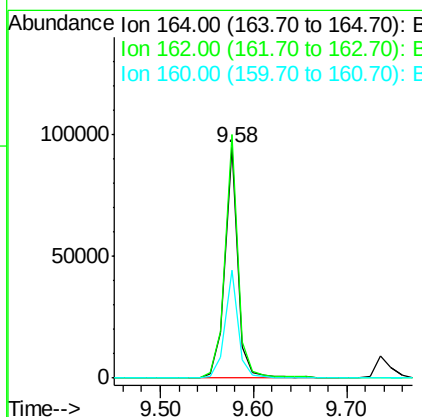
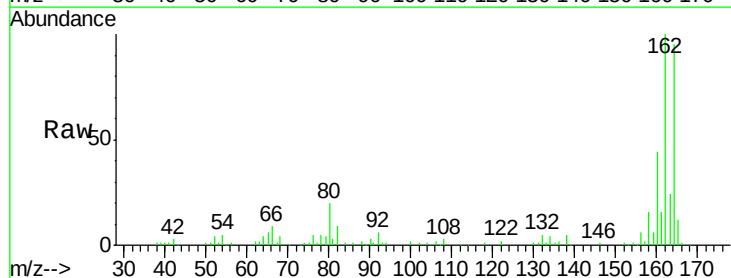
Manual Integrations

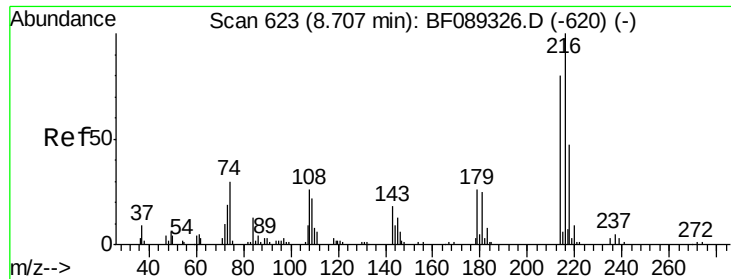
sohil
 7/28/2016 5:03:58 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:	164	Resp:	91525
Ion Ratio	Lower	Upper	
164	100		
162	105.7	83.7	125.5
160	46.9	37.8	56.6





#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 30.73 ng
 RT: 8.71 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

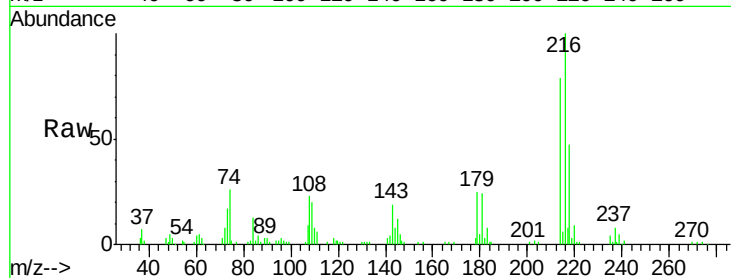
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Tgt Ion: 216 Resp: 98418

Ion	Ratio	Lower	Upper
216	100		
214	77.6	63.3	94.9
179	22.5	18.1	27.1
108	23.1	17.2	25.8

Manual Integrations

sohil
 7/28/2016 5:03:58 PM

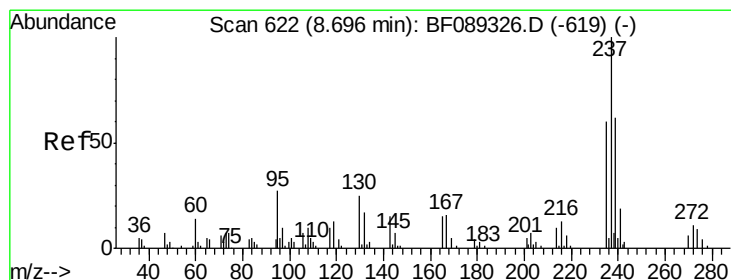
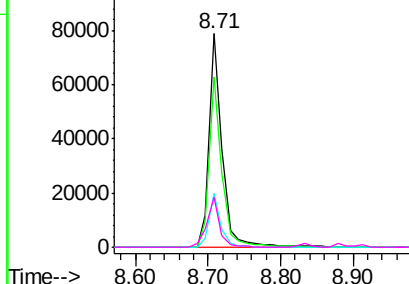
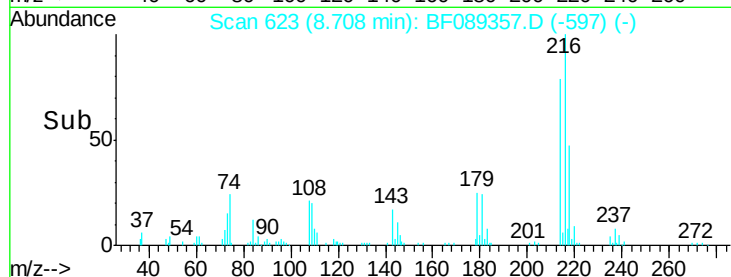


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

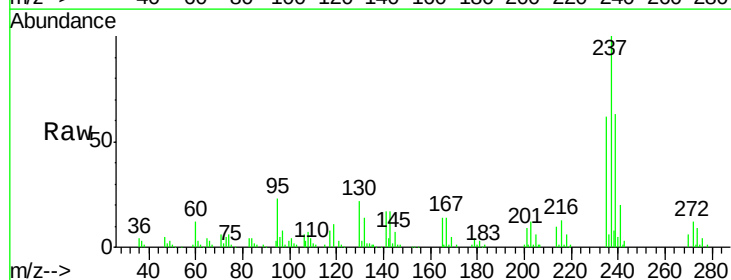
Ion 108.00 (107.70 to 108.70): E



#40
 Hexachlorocyclopentadiene
 Concen: 87.32 ng
 RT: 8.70 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion: 237 Resp: 80564

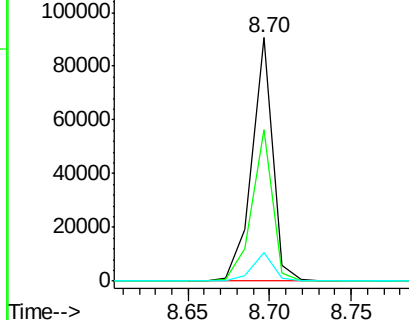
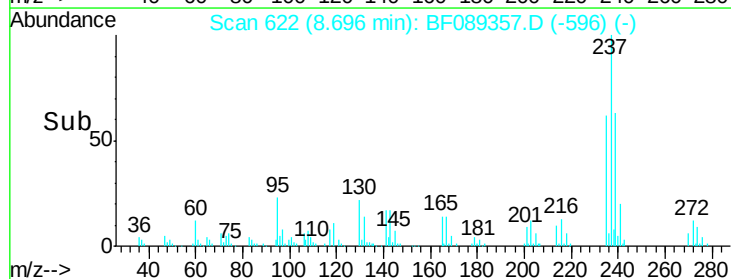
Ion	Ratio	Lower	Upper
237	100		
235	62.0	41.6	81.6
272	11.6	0.0	30.8

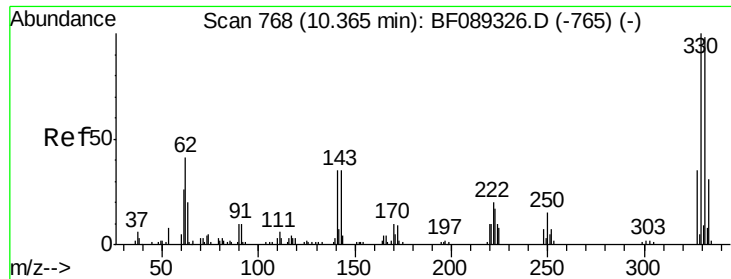


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





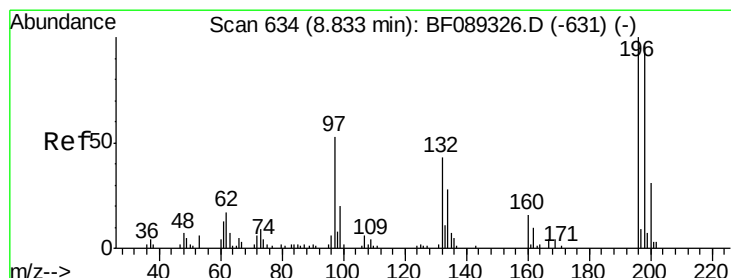
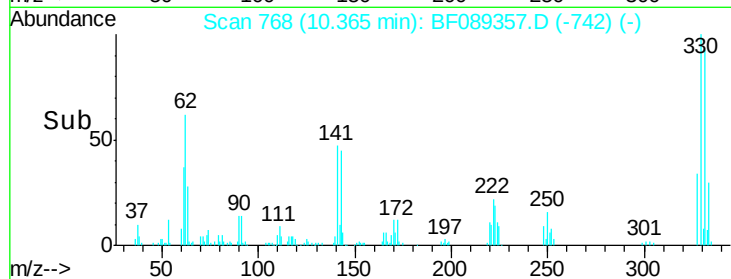
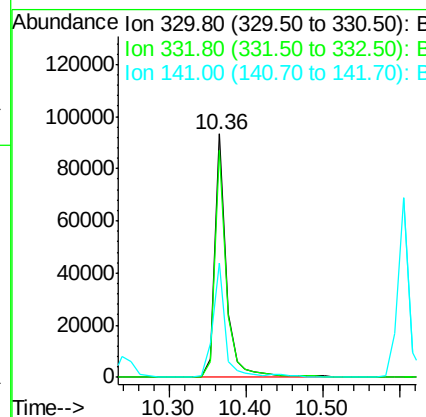
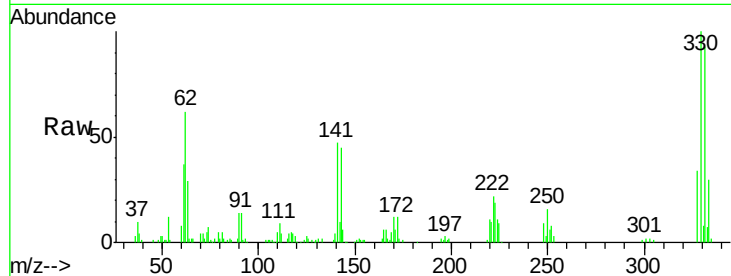
#41
 2,4,6-Tribromophenol
 Concen: 128.98 ng
 RT: 10.36 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.8	115.2
141	51.2	37.3	55.9

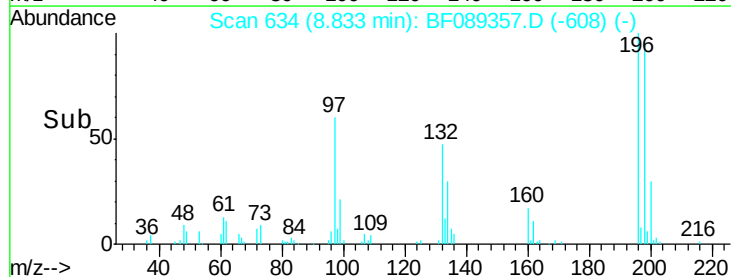
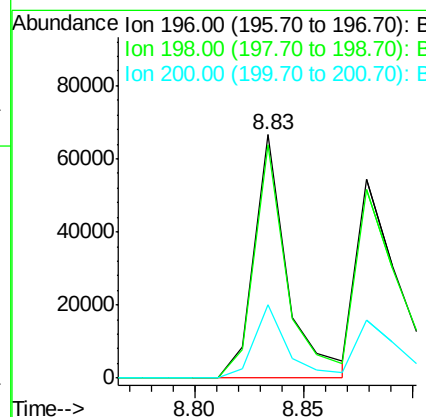
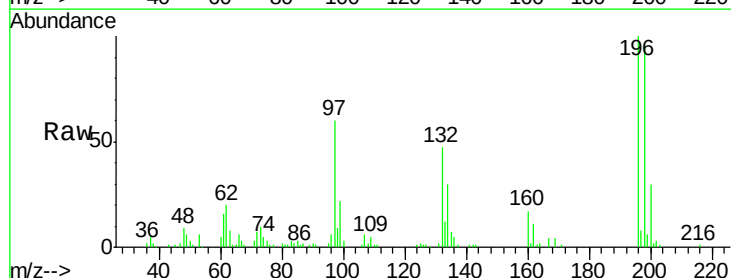
Manual Integrations

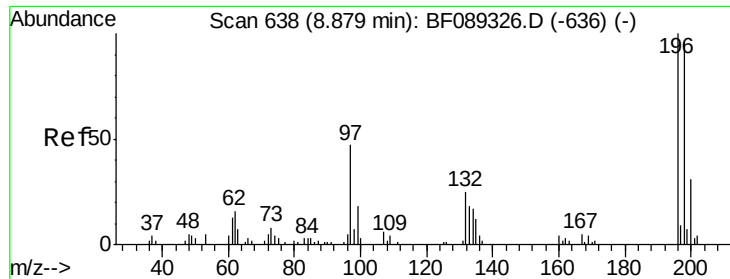
sohil
 7/28/2016 5:03:58 PM



#42
 2,4,6-Trichlorophenol
 Concen: 46.46 ng
 RT: 8.83 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.5	113.3
200	30.3	23.9	35.9





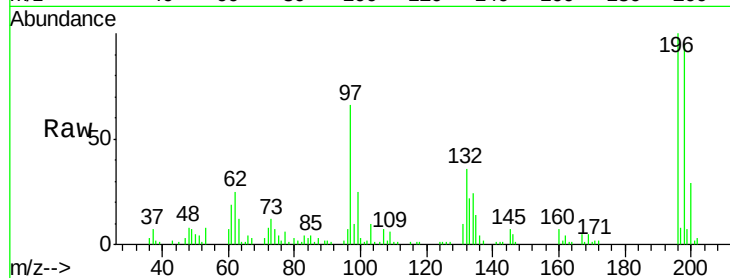
#43
 2,4,5-Trichlorophenol
 Concen: 42.93 ng
 RT: 8.88 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	82806		
198	95.0	78.7	118.1	
97	65.8	39.7	59.5#	
132	35.7	22.8	34.2#	

Manual Integrations

sohil
 7/28/2016 5:03:58 PM



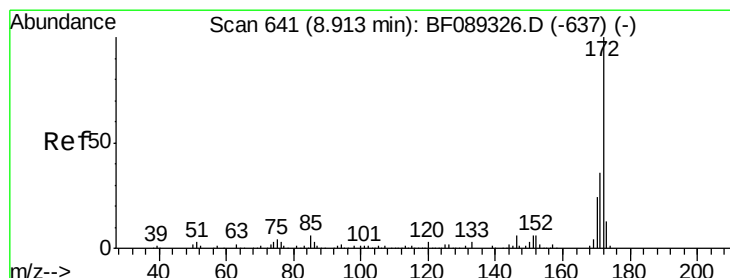
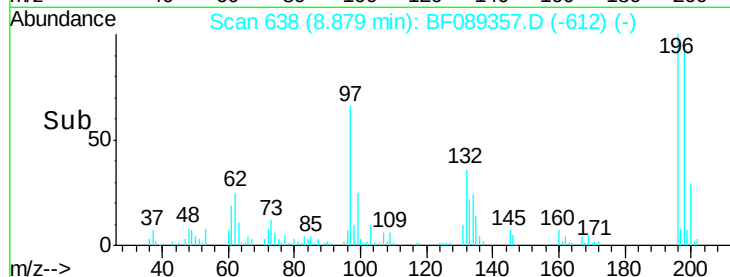
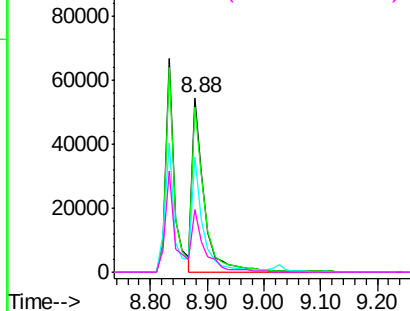
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 92.13 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

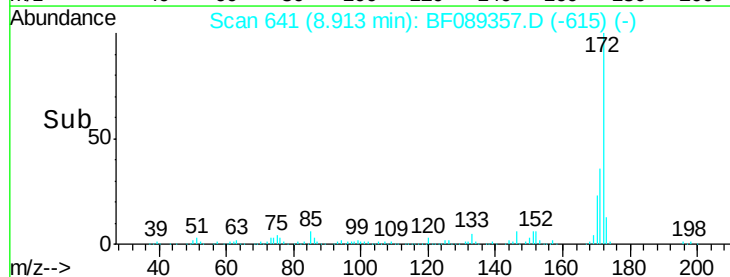
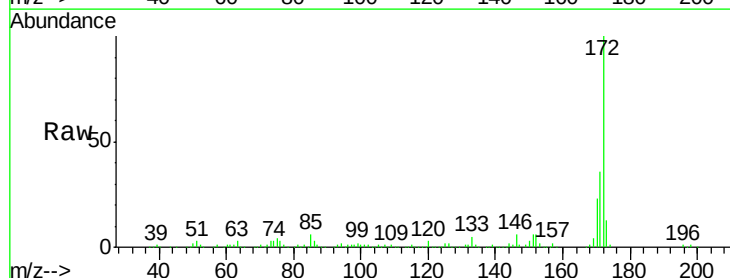
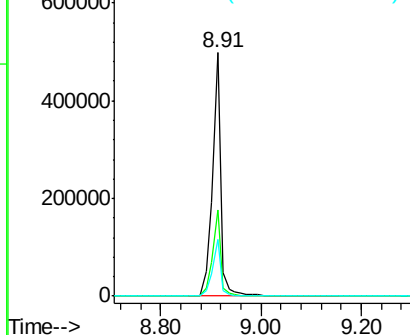
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	574549		
171	35.5	29.2	43.8	
170	23.2	19.2	28.8	

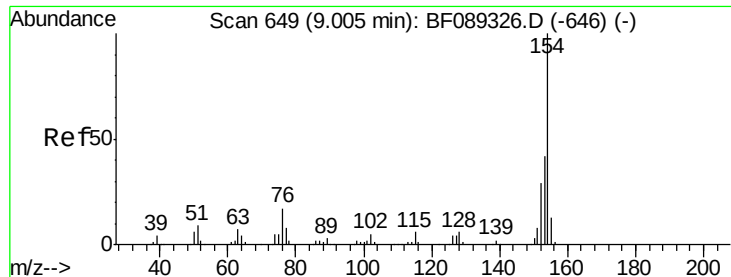
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





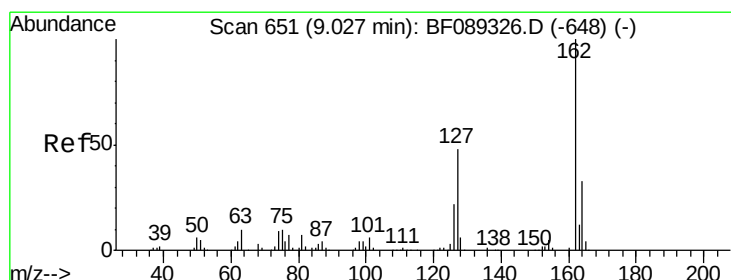
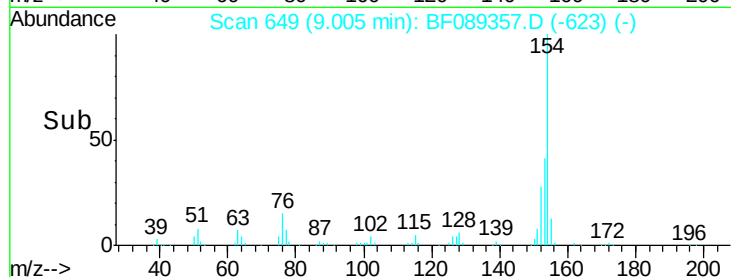
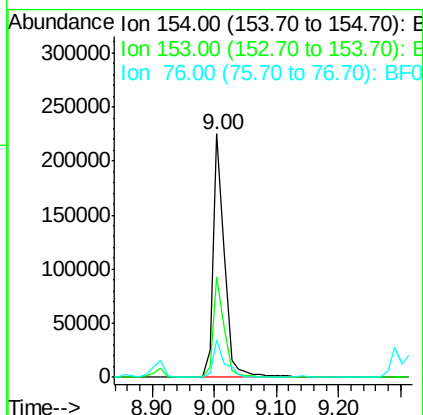
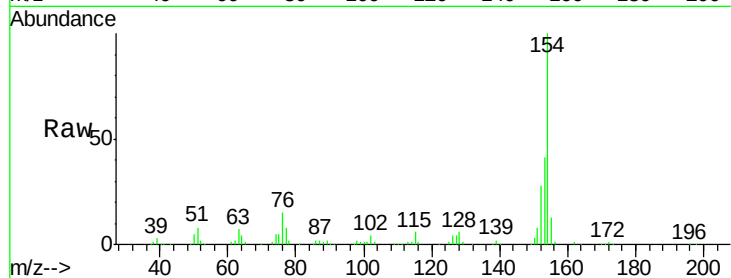
#45
 1,1'-Biphenyl
 Concen: 35.83 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Tgt Ion:	154	Resp:	279216
Ion Ratio	Lower	Upper	
154	100		
153	41.2	21.0	61.0
76	15.2	0.0	36.6

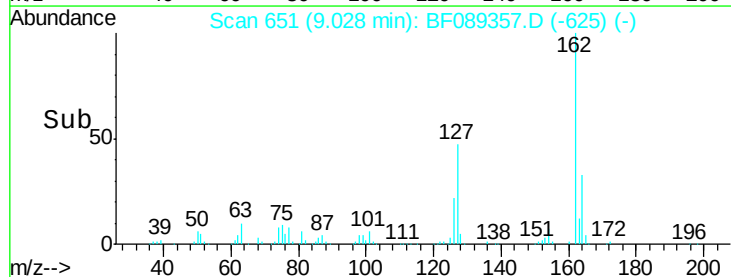
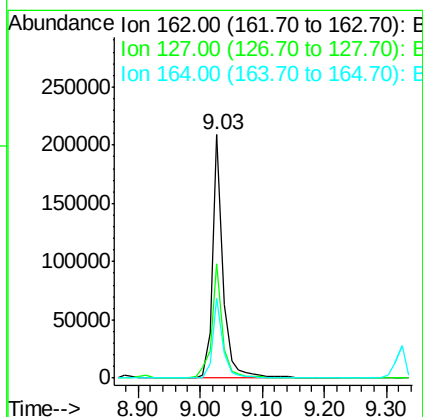
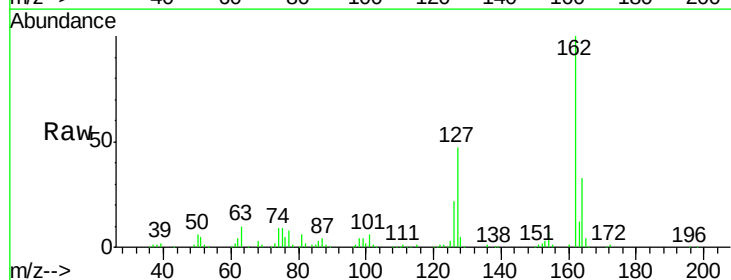
Manual Integrations

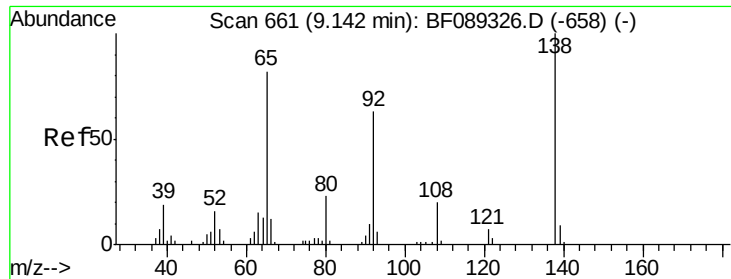
sohil
 7/28/2016 5:03:58 PM



#46
 2-Chloronaphthalene
 Concen: 41.48 ng
 RT: 9.03 min Scan# 651
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:	162	Resp:	242754
Ion Ratio	Lower	Upper	
162	100		
127	46.8	37.8	56.8
164	32.6	25.8	38.8





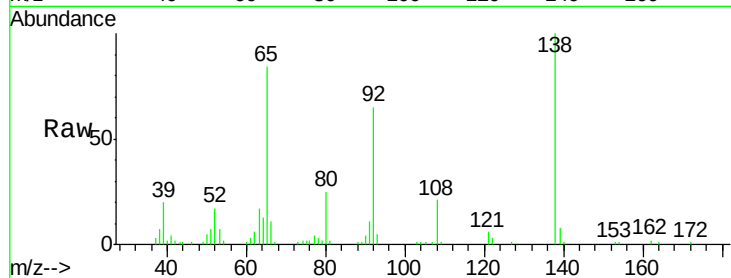
#47
2-Nitroaniline
Concen: 42.78 ng
RT: 9.14 min Scan# 661
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

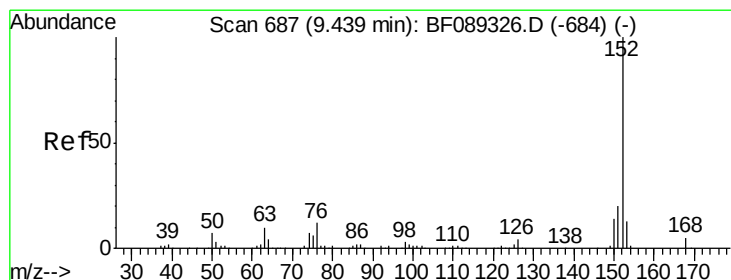
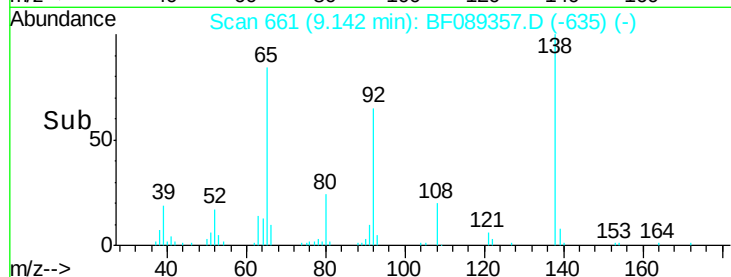
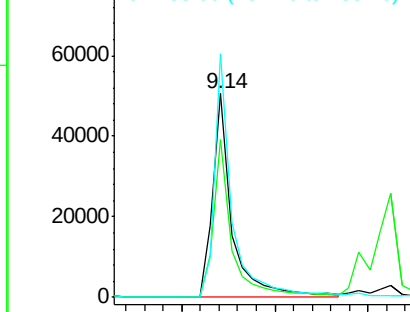
Tgt Ion: 65 Resp: 74146
Ion Ratio Lower Upper
65 100
92 77.8 61.0 91.4
138 119.7 99.1 148.7

Manual Integrations

sohil
7/28/2016 5:03:58 PM

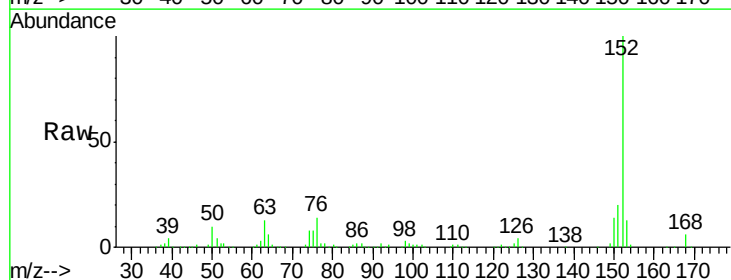


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

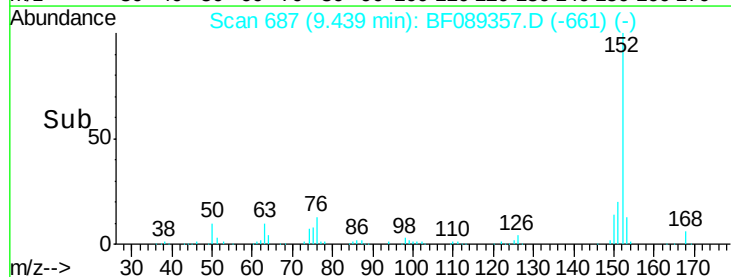
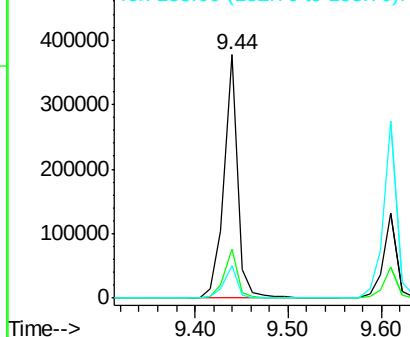


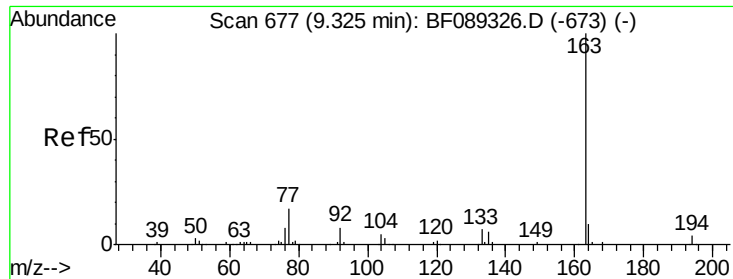
#48
Acenaphthylene
Concen: 41.92 ng
RT: 9.44 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion: 152 Resp: 386388
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.2 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





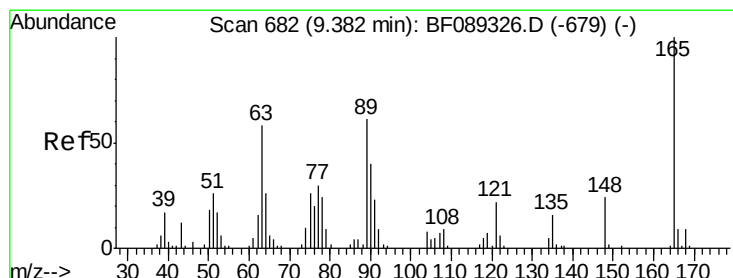
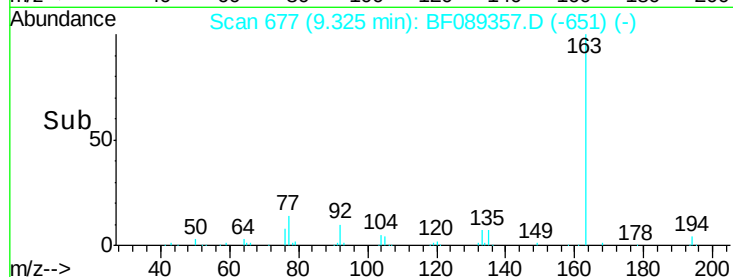
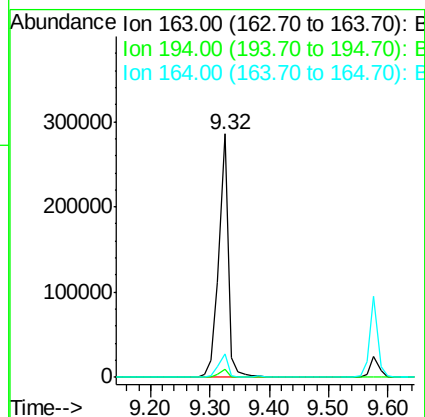
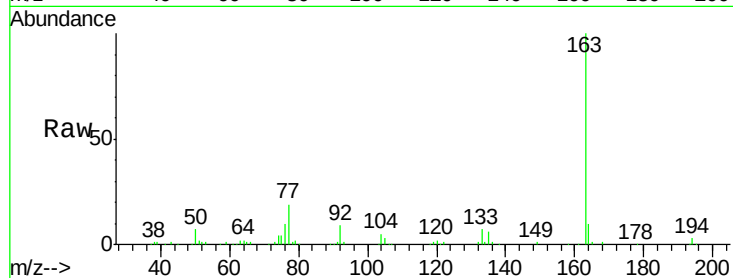
#49
Dimethylphthalate
Concen: 45.48 ng
RT: 9.32 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	316818		
194	3.5	2.8	4.2	
164	9.8	7.8	11.8	

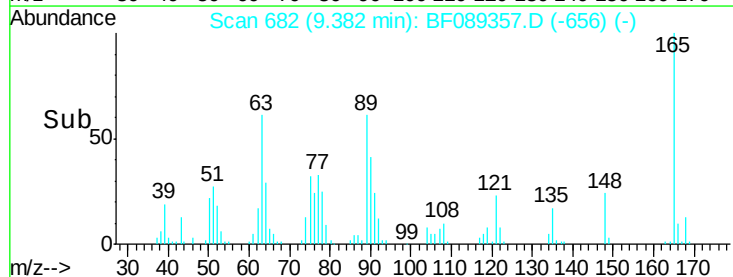
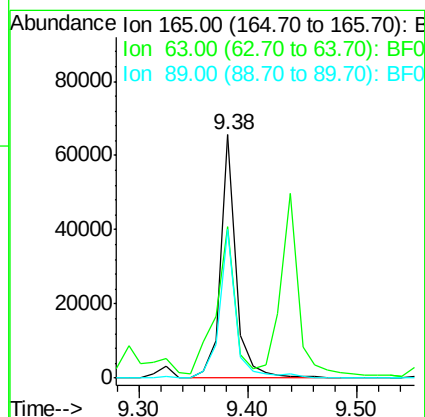
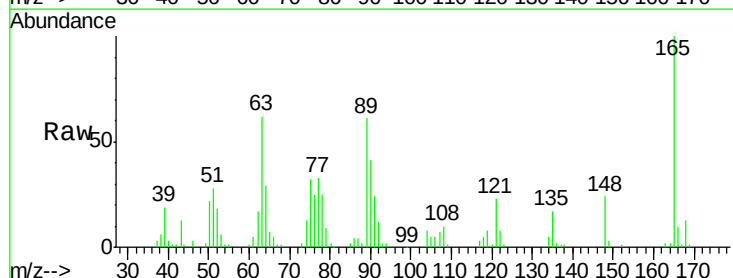
Manual Integrations

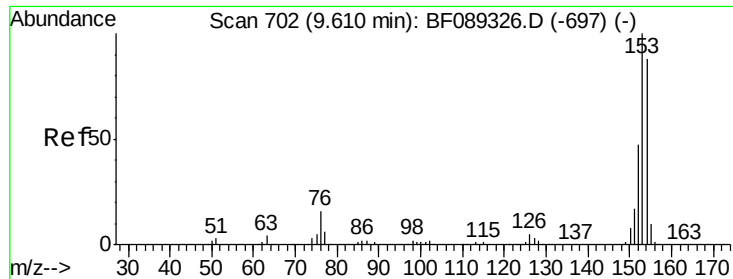
sohil
7/28/2016 5:03:58 PM



#50
2,6-Dinitrotoluene
Concen: 46.18 ng
RT: 9.38 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	66088		
63	62.0	43.5	65.3	
89	61.4	45.0	67.4	





#51

Acenaphthene

Concen: 44.25 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

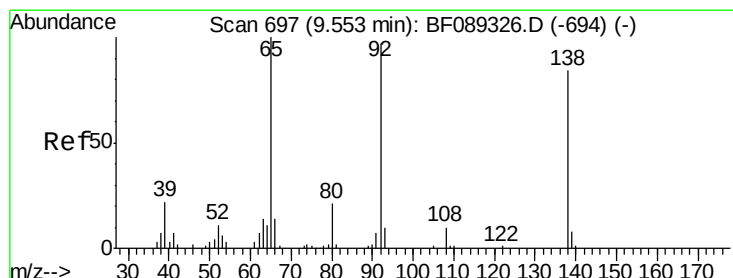
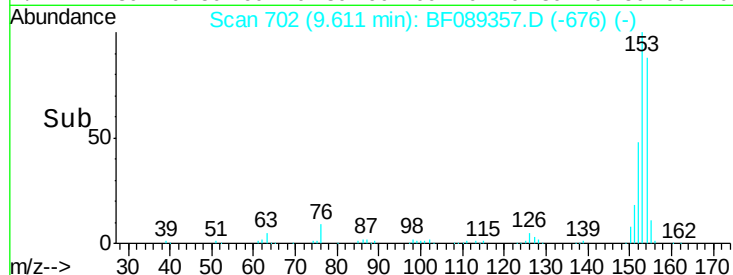
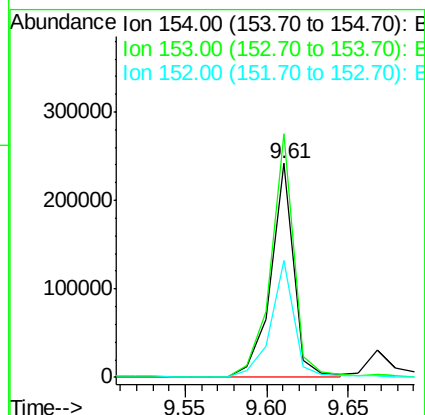
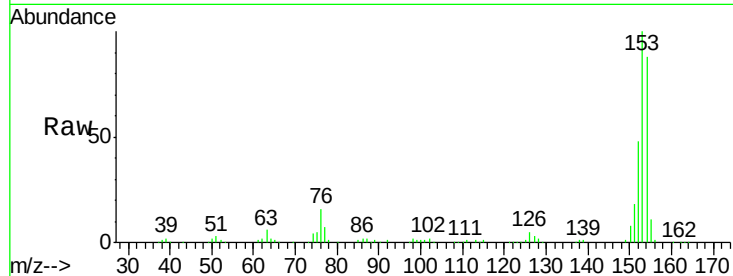
I-4MSD

Tgt Ion:	154	Resp:	238199
Ion Ratio	Lower	Upper	
154	100		
153	113.8	91.4	137.2
152	54.4	43.8	65.6

Manual Integrations

sohil

7/28/2016 5:03:58 PM



#52

3-Nitroaniline

Concen: 15.14 ng

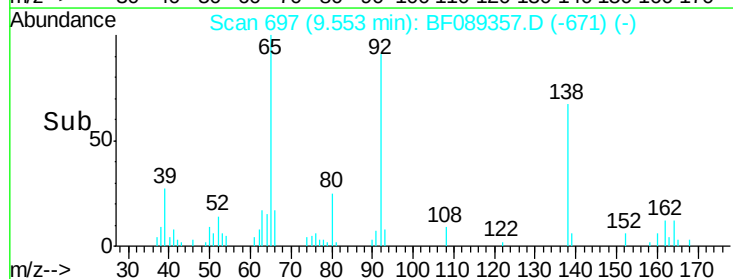
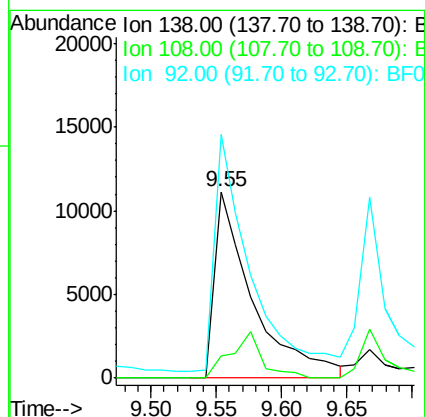
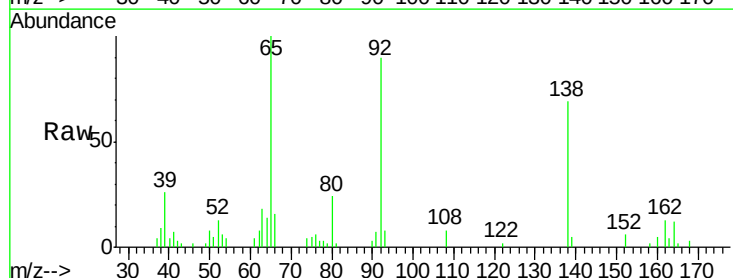
RT: 9.55 min Scan# 697

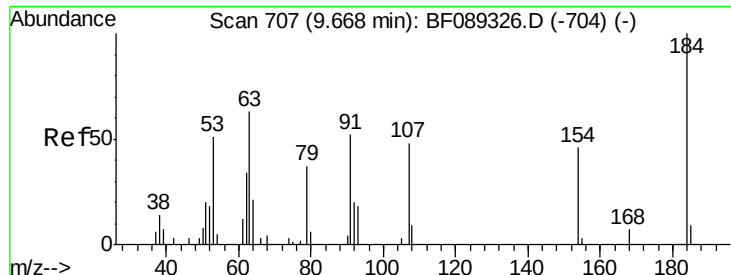
Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:	138	Resp:	22865
Ion Ratio	Lower	Upper	
138	100		
108	11.8	8.6	13.0
92	130.5	90.0	135.0





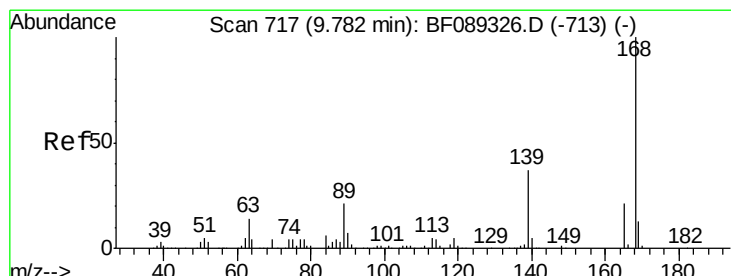
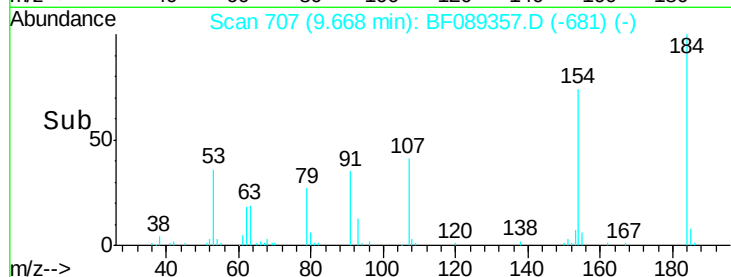
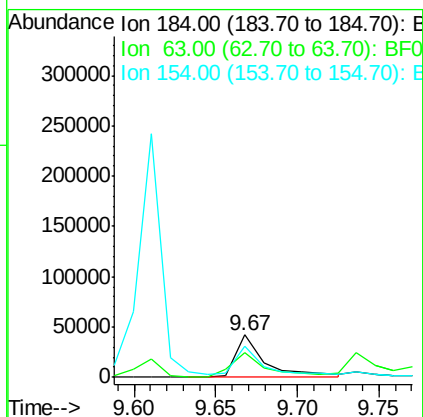
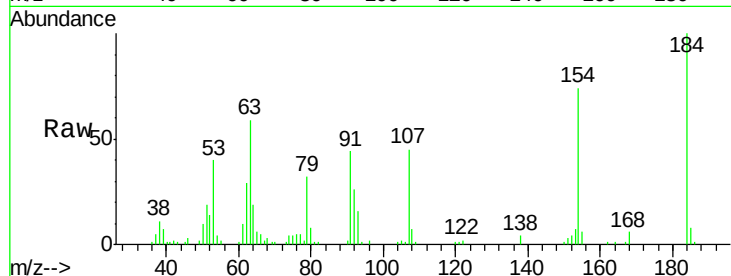
#53
2,4-Dinitrophenol
Concen: 79.53 ng
RT: 9.67 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion:184 Resp: 52589
Ion Ratio Lower Upper
184 100
63 58.9 60.6 90.8#
154 73.8 69.8 104.8

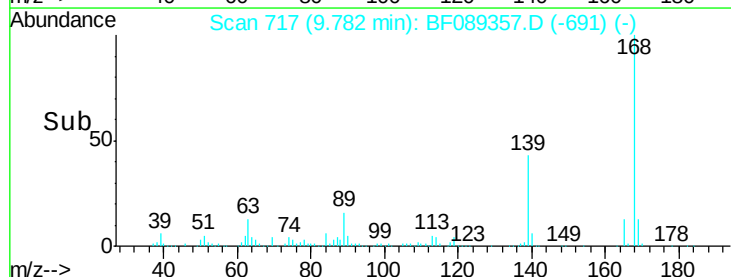
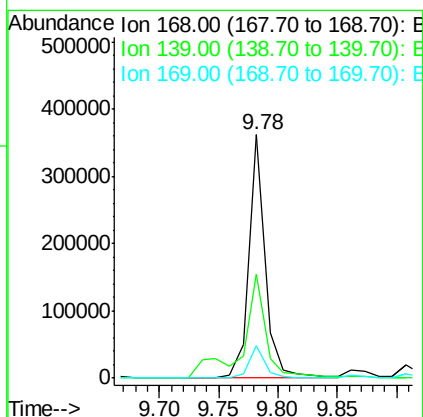
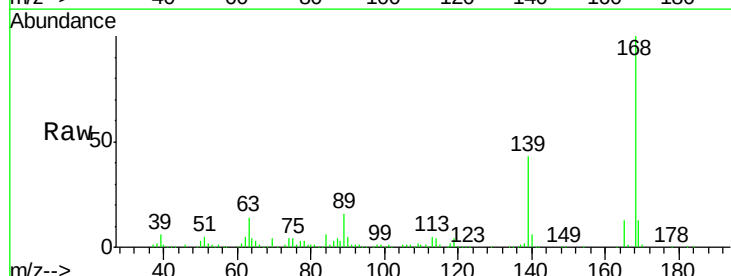
Manual Integrations

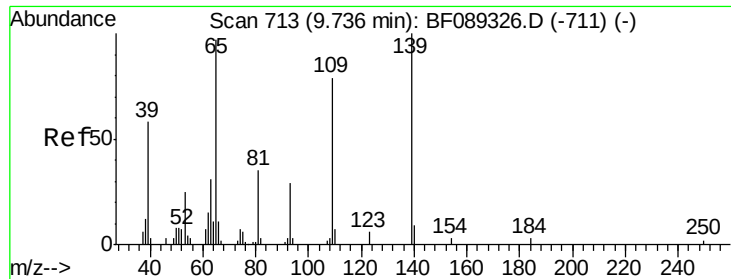
sohil
7/28/2016 5:03:58 PM



#54
Dibenzofuran
Concen: 47.59 ng
RT: 9.78 min Scan# 717
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion:168 Resp: 349116
Ion Ratio Lower Upper
168 100
139 42.6 33.7 50.5
169 13.1 10.7 16.1





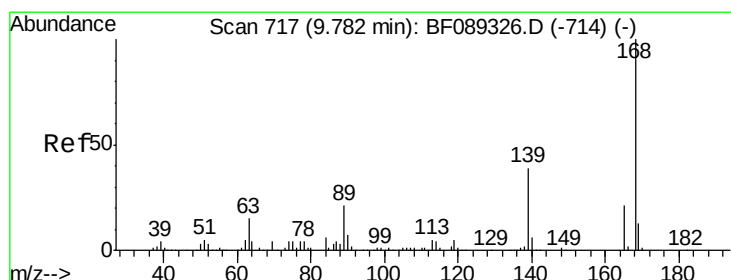
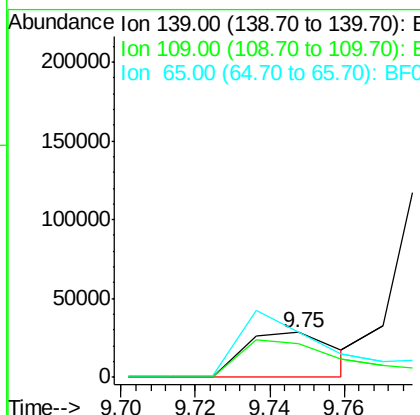
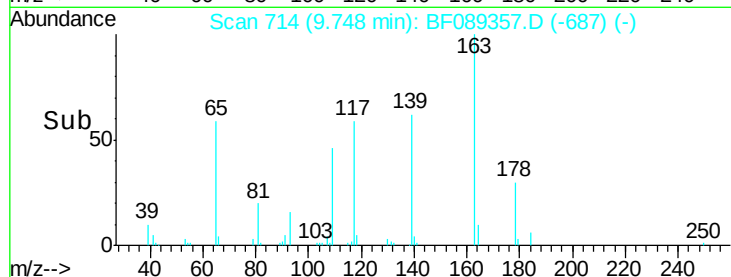
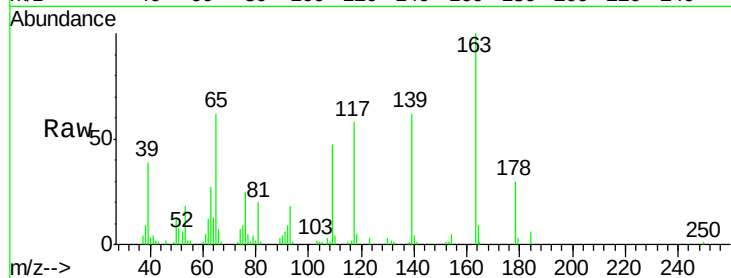
#55
4-Nitrophenol
Concen: 67.95 ng m
RT: 9.75 min Scan# 714
Delta R.T. 0.01 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion:139 Resp: 49242
Ion Ratio Lower Upper
139 100
109 76.4 57.8 97.8
65 100.8 81.7 121.7

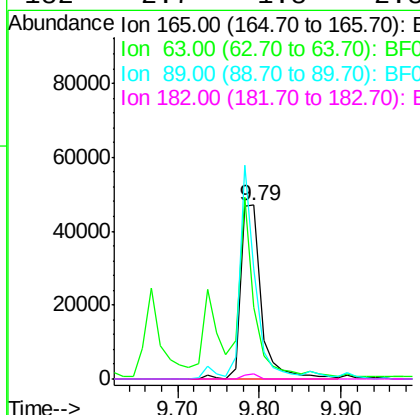
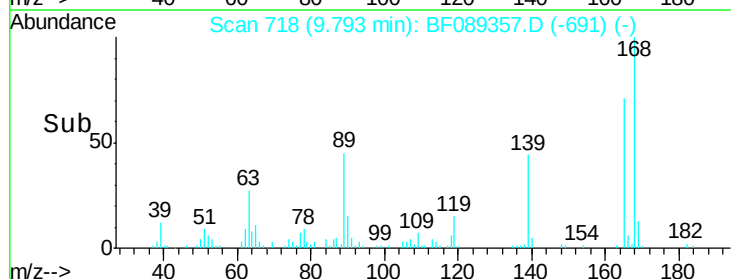
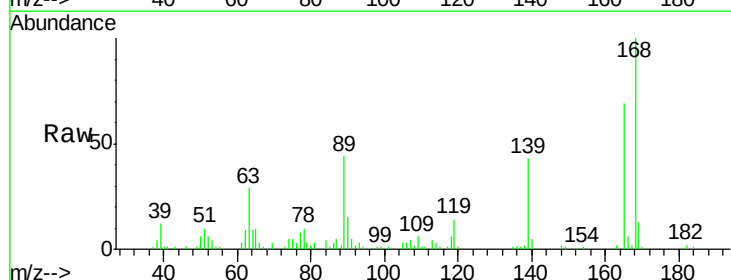
Manual Integrations

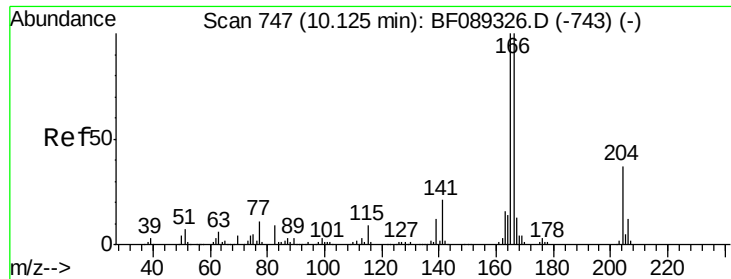
sohil
7/28/2016 5:03:58 PM



#56
2,4-Dinitrotoluene
Concen: 43.95 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.01 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion:165 Resp: 82808
Ion Ratio Lower Upper
165 100
63 41.5 58.2 87.2#
89 63.4 79.1 118.7#
182 2.7 1.8 2.8





#57

Fluorene

Concen: 44.38 ng

RT: 10.12 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

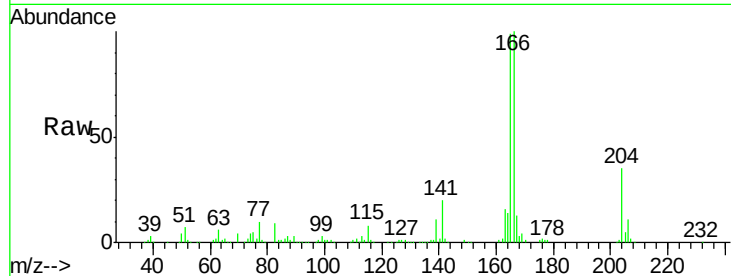
I-4MSD

Tgt Ion:	166	Resp:	284194
Ion Ratio	Lower	Upper	
166	100		
165	99.3	79.0	118.4
167	13.2	10.2	15.2

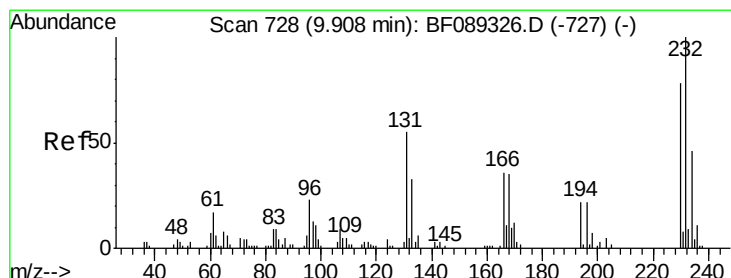
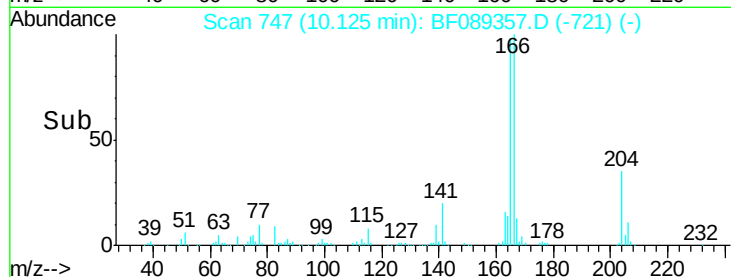
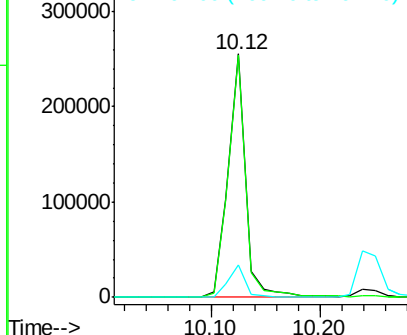
Manual Integrations

sohil

7/28/2016 5:03:58 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.62 ng

RT: 9.91 min Scan# 728

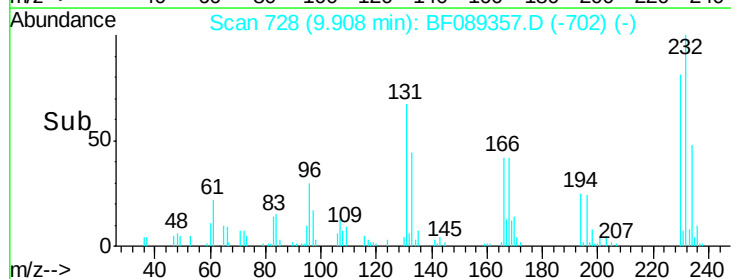
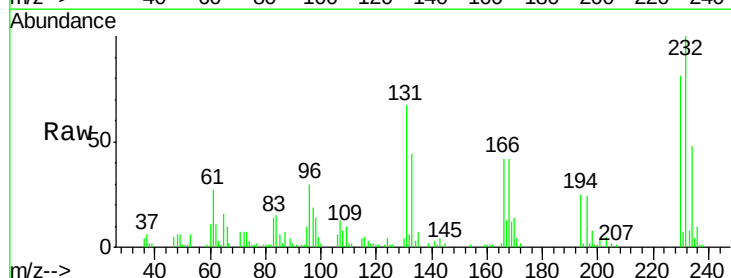
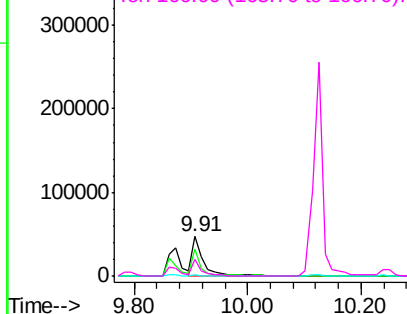
Delta R.T. 0.00 min

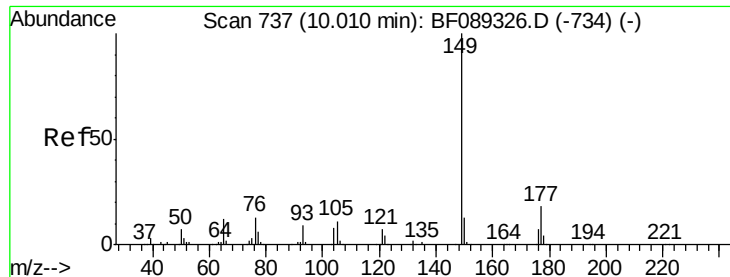
Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:	232	Resp:	63907
Ion Ratio	Lower	Upper	
232	100		
131	50.8	42.7	64.1
130	2.4	1.7	2.5
166	32.4	25.7	38.5

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





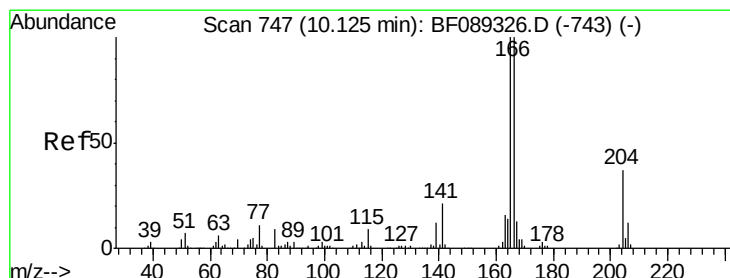
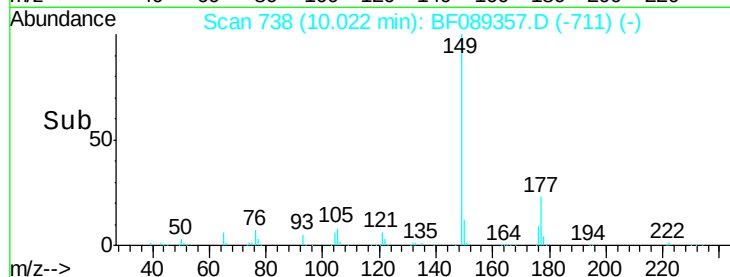
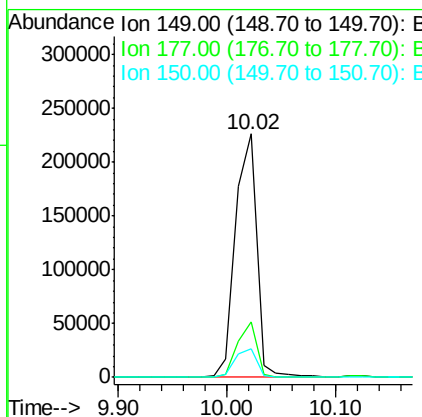
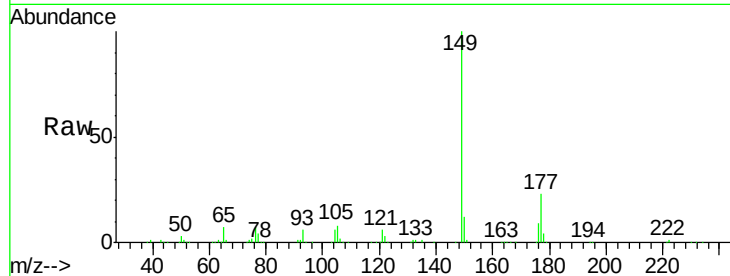
#59
Diethylphthalate
Concen: 43.19 ng
RT: 10.02 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion:149 Resp: 304978
Ion Ratio Lower Upper
149 100
177 22.7 15.1 22.7#
150 11.8 10.2 15.4

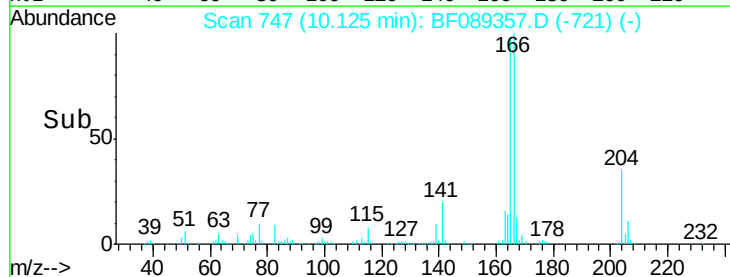
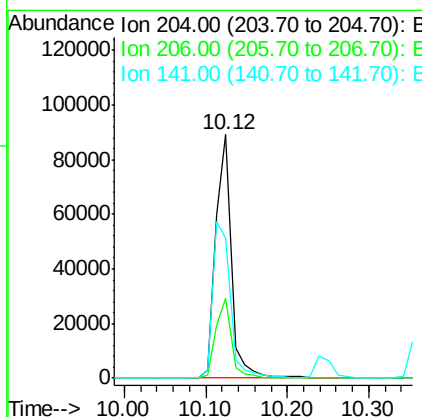
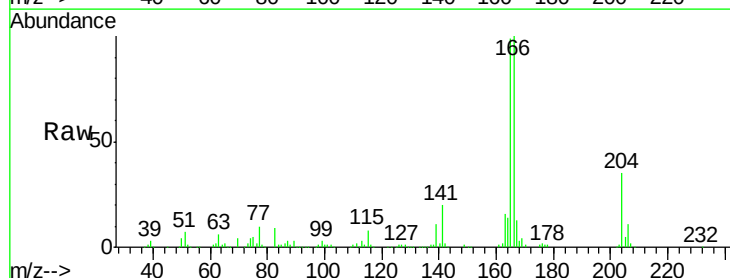
Manual Integrations

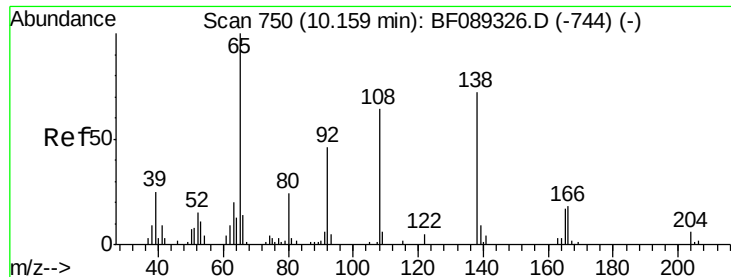
sohil
7/28/2016 5:03:58 PM



#60
4-Chlorophenyl-phenylether
Concen: 40.67 ng
RT: 10.12 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion:204 Resp: 119462
Ion Ratio Lower Upper
204 100
206 32.9 26.6 39.8
141 57.5 46.6 70.0





#61

4-Nitroaniline

Concen: 30.99 ng

RT: 10.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF089357.D

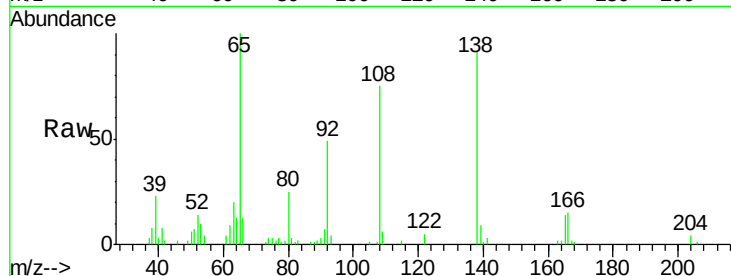
Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD



Tgt Ion: 138 Resp: 48243

Ion Ratio Lower Upper

138 100

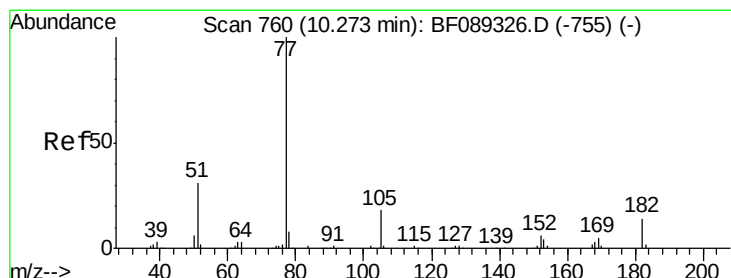
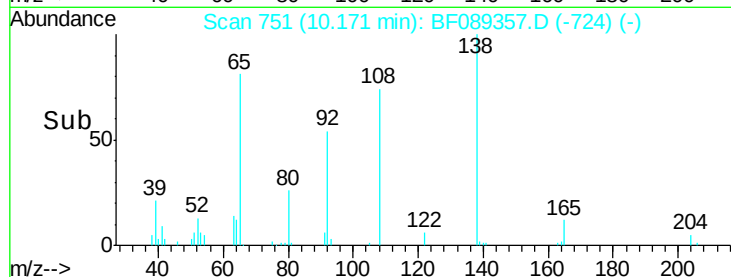
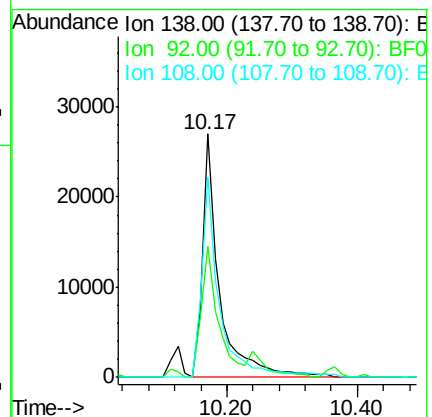
92 53.6 41.2 81.2

108 82.1 69.6 109.6

Manual Integrations

sohil

7/28/2016 5:03:58 PM



#62

Azobenzene

Concen: 43.78 ng

RT: 10.27 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion: 77 Resp: 318379

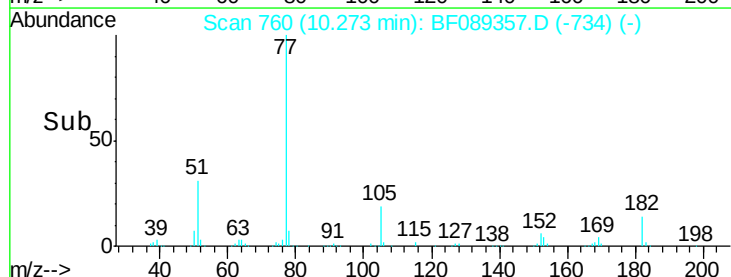
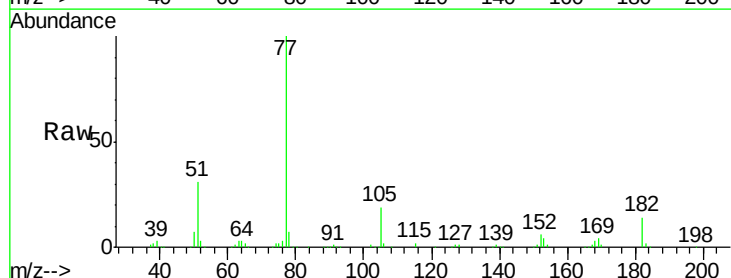
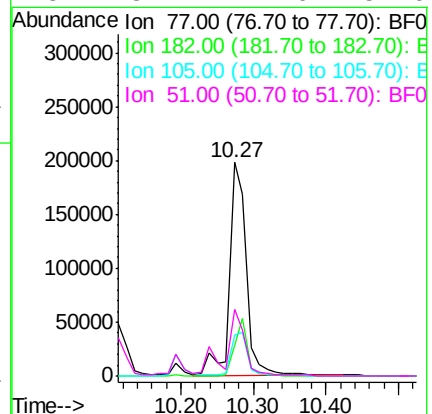
Ion Ratio Lower Upper

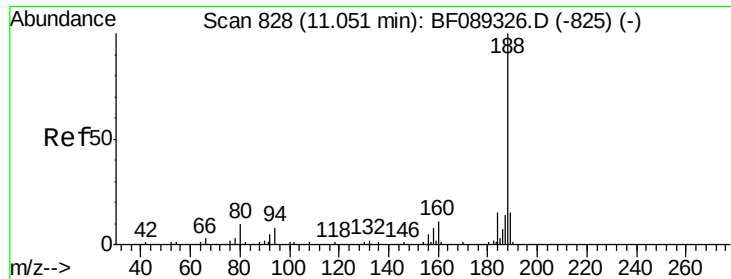
77 100

182 14.5 0.0 33.8

105 19.4 0.0 39.8

51 31.2 11.0 51.0





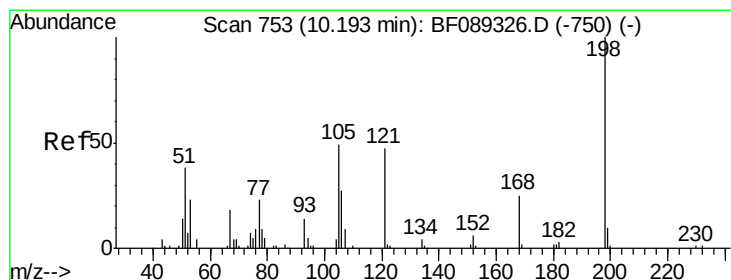
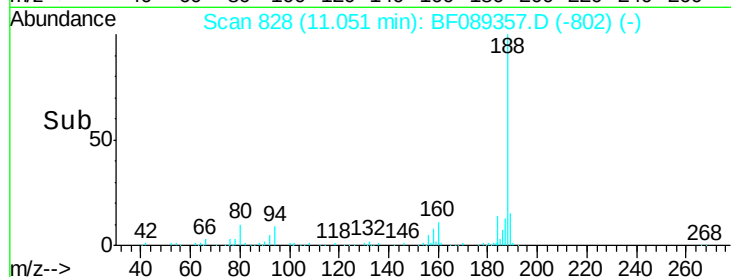
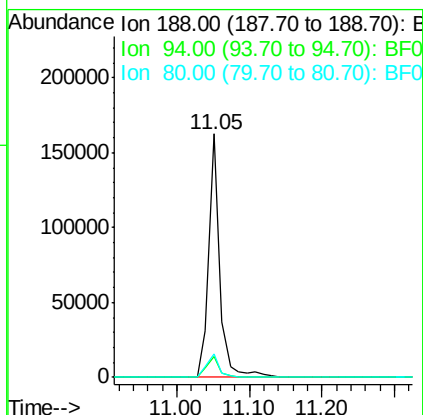
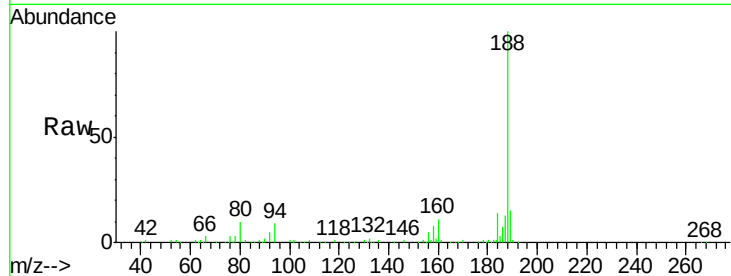
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion:188 Resp: 173683
Ion Ratio Lower Upper
188 100
94 8.7 6.5 9.7
80 9.7 7.2 10.8

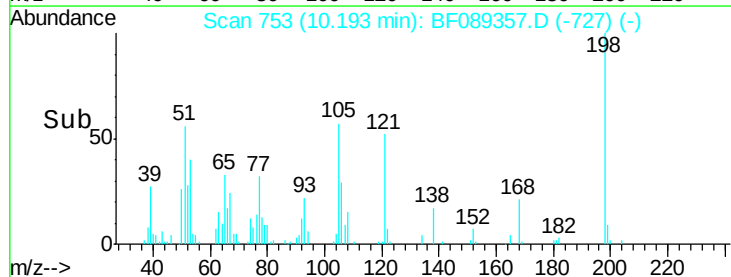
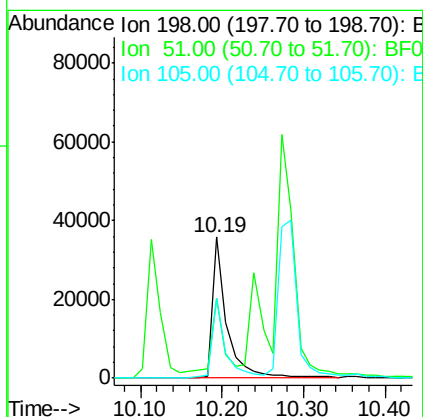
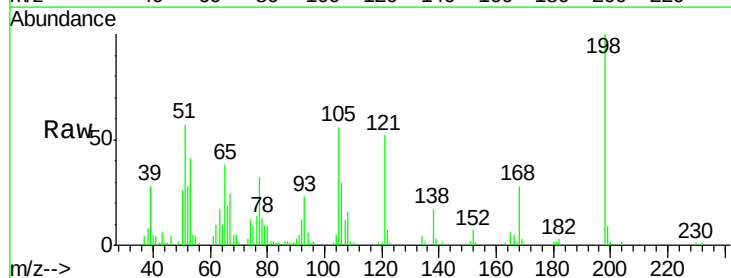
Manual Integrations

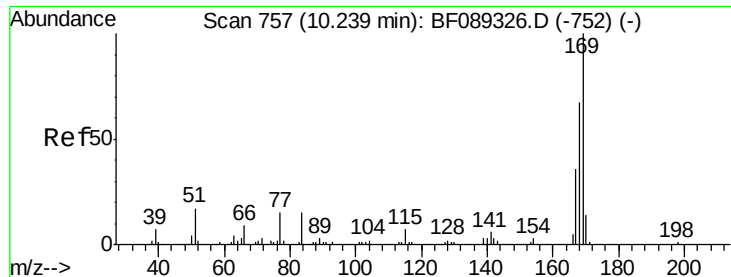
sohil
7/28/2016 5:03:58 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 42.91 ng
RT: 10.19 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion:198 Resp: 44447
Ion Ratio Lower Upper
198 100
51 56.6 23.0 63.0
105 56.4 28.3 68.3





#65

n-Nitrosodiphenylamine

Concen: 37.84 ng

RT: 10.24 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

Tgt Ion:169 Resp: 205064

Ion Ratio Lower Upper

169 100

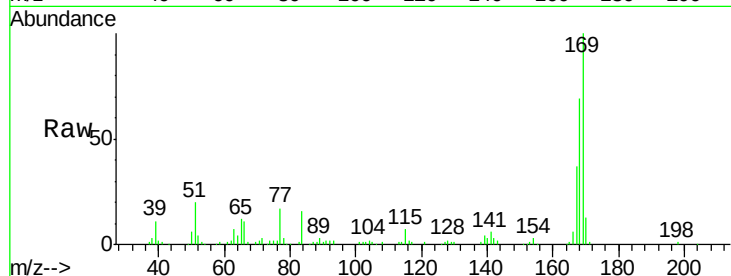
168 68.9 55.4 83.0

167 37.2 29.7 44.5

Manual Integrations

sohil

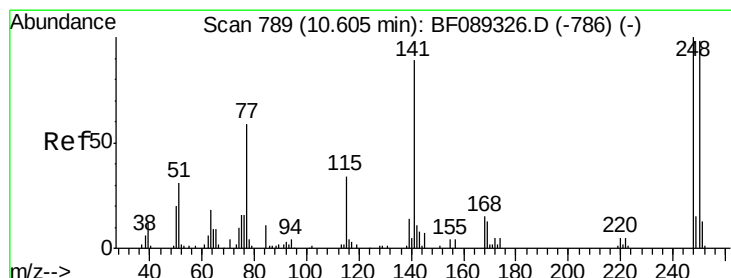
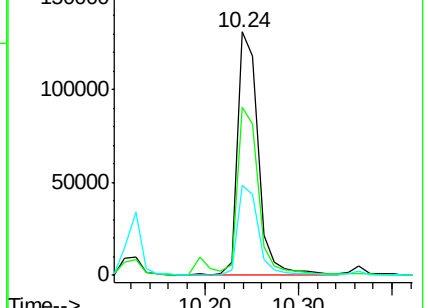
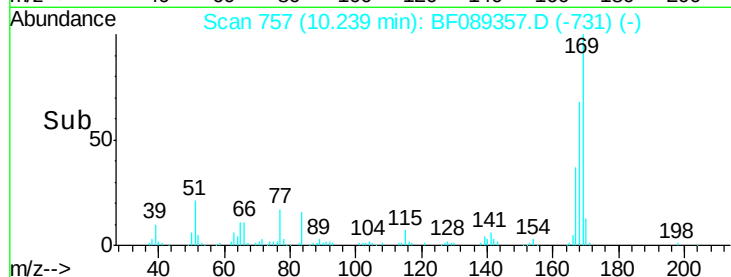
7/28/2016 5:03:58 PM



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 46.77 ng

RT: 10.60 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

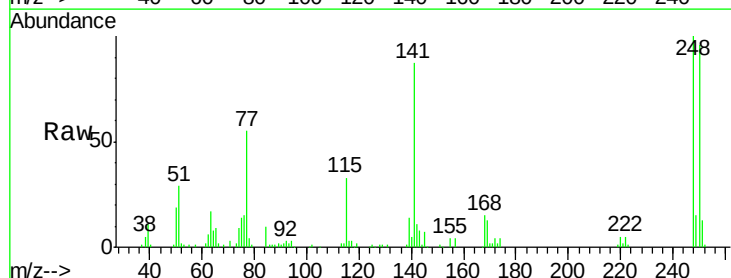
Tgt Ion:248 Resp: 77560

Ion Ratio Lower Upper

248 100

250 95.6 78.2 117.2

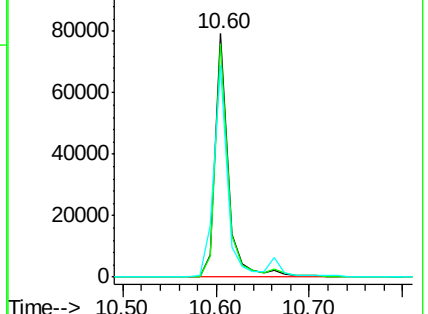
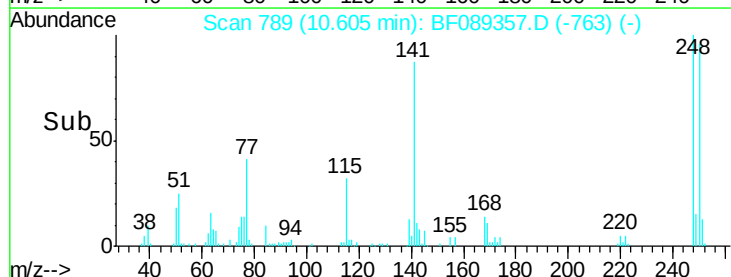
141 87.1 62.0 93.0

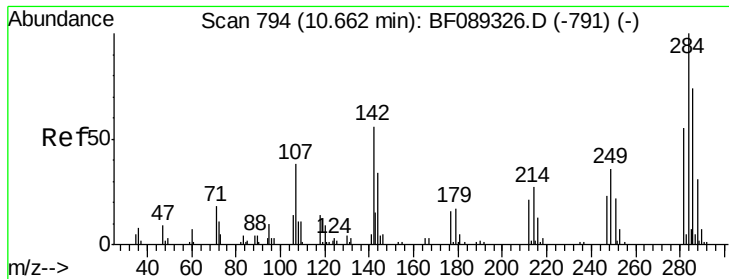


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





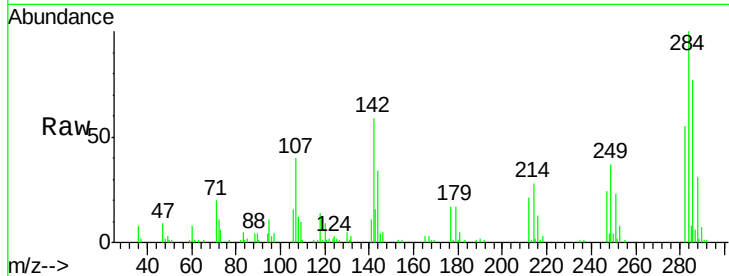
#67
 Hexachlorobenzene
 Concen: 40.05 ng
 RT: 10.66 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

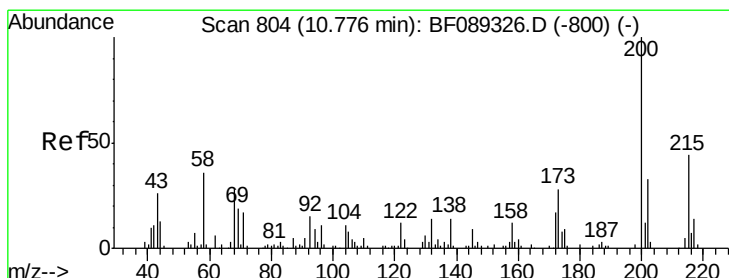
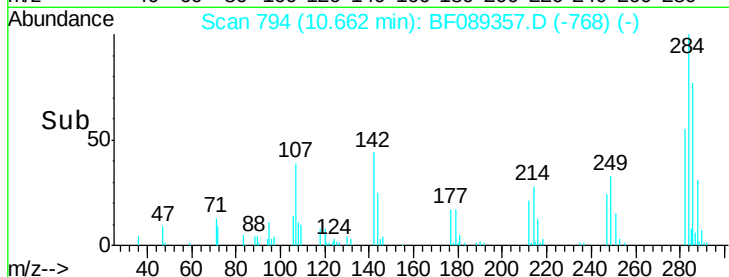
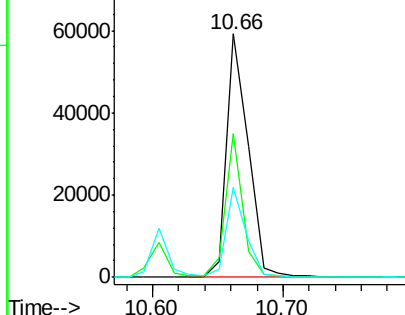
Tgt Ion:	284	Resp:	68064
Ion Ratio	Lower	Upper	
284	100		
142	59.1	42.2	63.4
249	37.1	29.4	44.0

Manual Integrations

sohil
 7/28/2016 5:03:58 PM

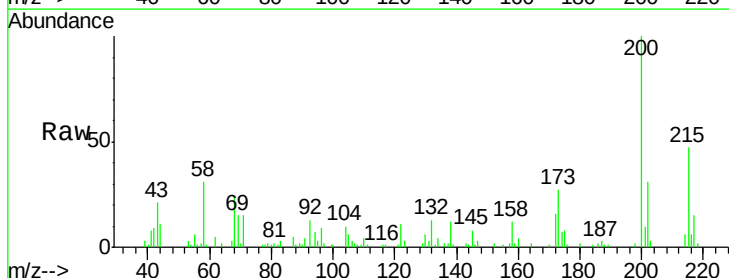


Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

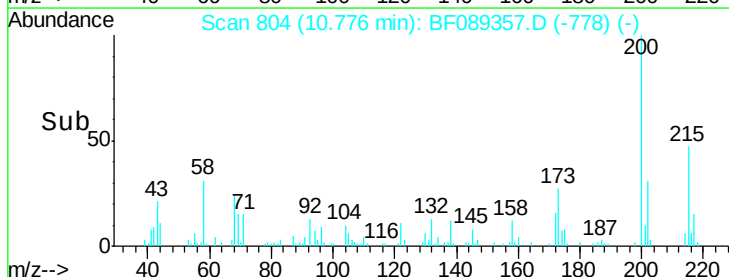
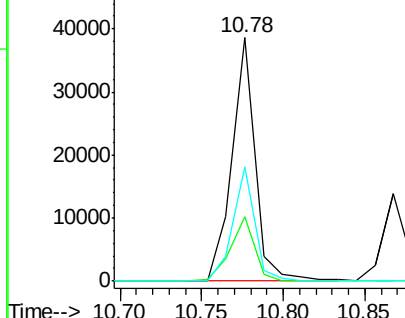


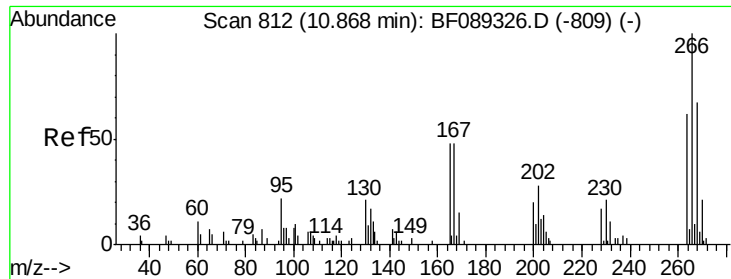
#68
 Atrazine
 Concen: 22.73 ng
 RT: 10.78 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:	200	Resp:	37838
Ion Ratio	Lower	Upper	
200	100		
173	26.6	6.0	46.0
215	47.1	24.3	64.3



Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E





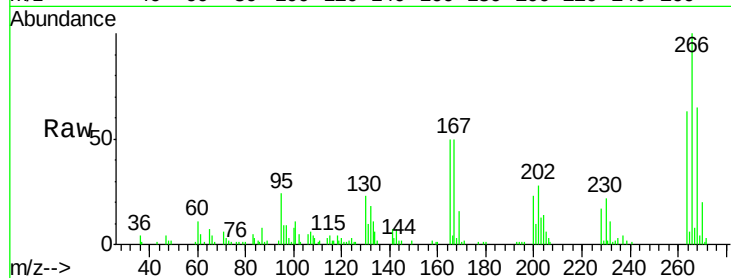
#69
 Pentachlorophenol
 Concen: 85.07 ng
 RT: 10.87 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.9	49.4	74.2
264	63.4	50.2	75.2

Manual Integrations

sohil
 7/28/2016 5:03:58 PM

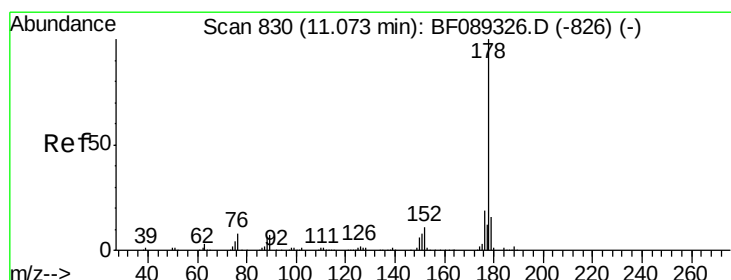
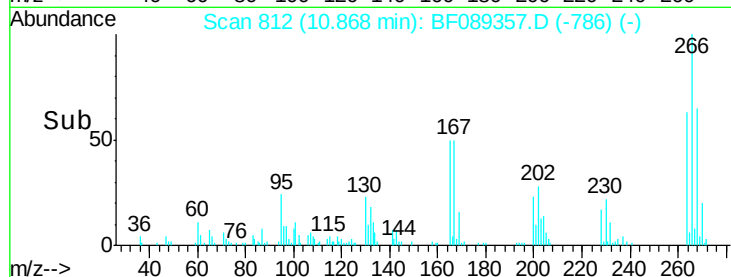
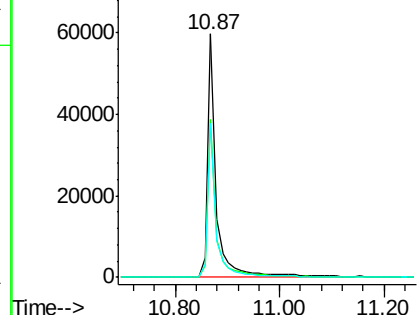


Abundance

Ion 265.70 (265.40 to 266.40): E

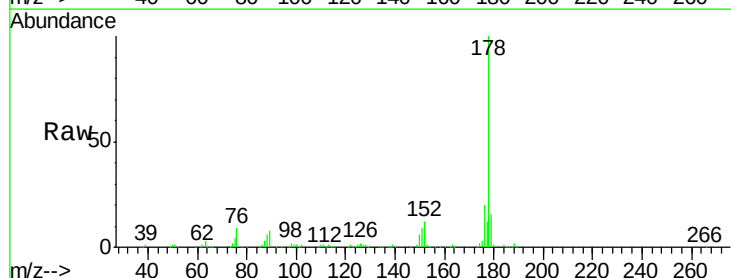
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 44.48 ng
 RT: 11.07 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.7	12.3	18.5

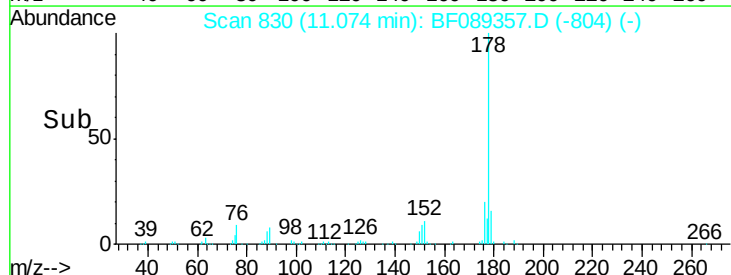
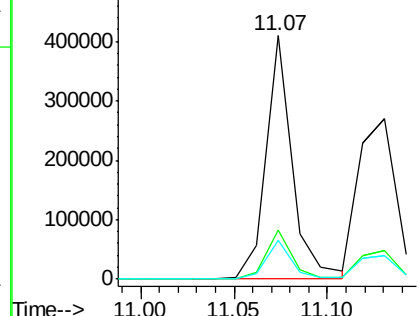


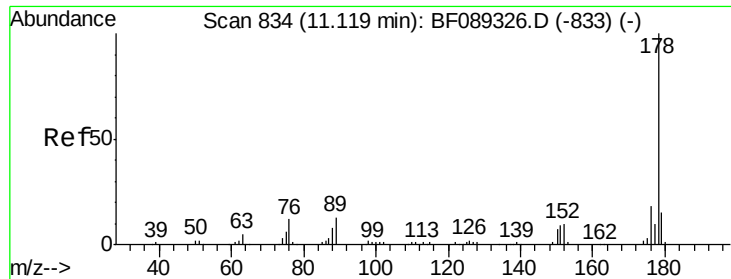
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





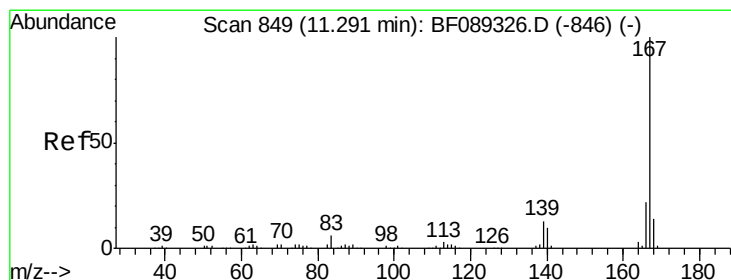
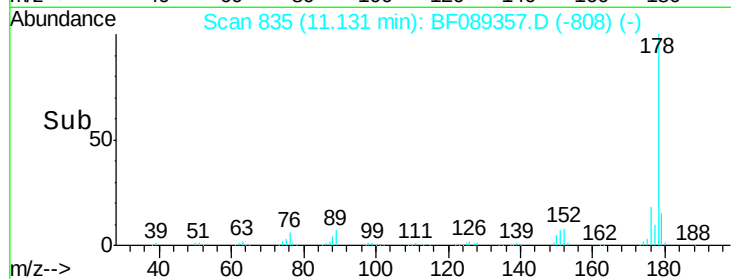
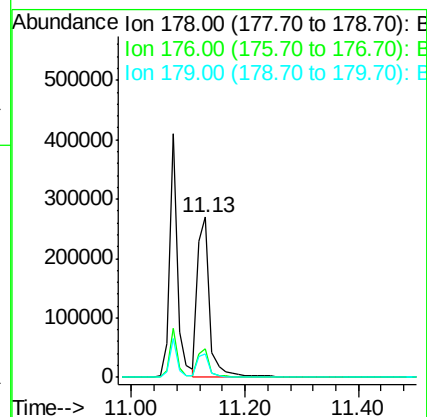
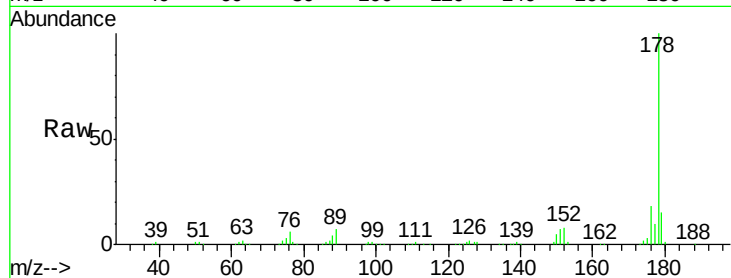
#71
 Anthracene
 Concen: 41.10 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampled :
 I-4MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	14.9	12.6	18.8

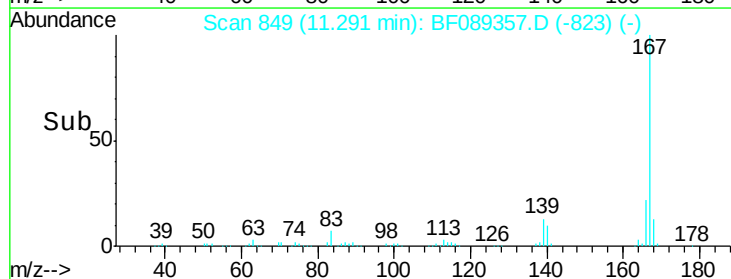
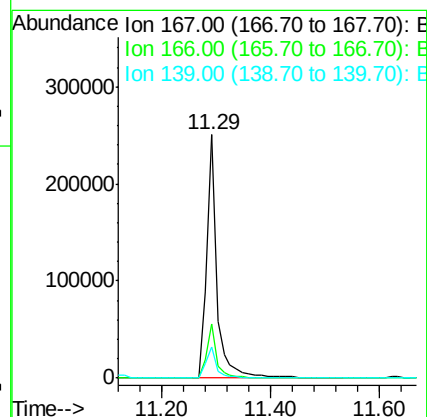
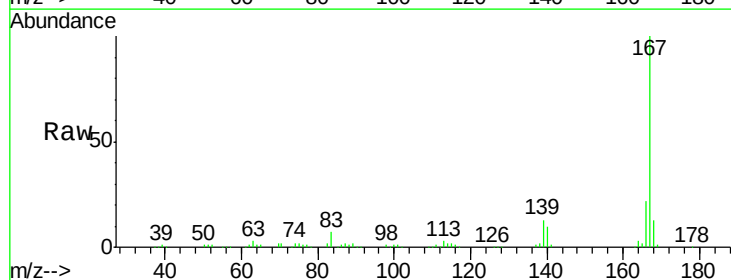
Manual Integrations

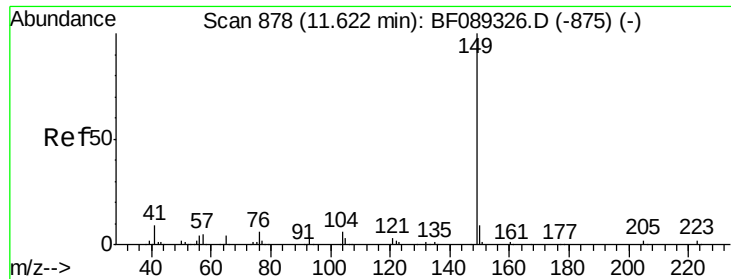
sohil
 7/28/2016 5:03:58 PM



#72
 Carbazole
 Concen: 38.97 ng
 RT: 11.29 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	12.9	10.1	15.1





#73

Di-n-butylphthalate

Concen: 41.38 ng

RT: 11.62 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampled :

I-4MSD

Tgt Ion:149 Resp: 465428

Ion Ratio Lower Upper

149 100

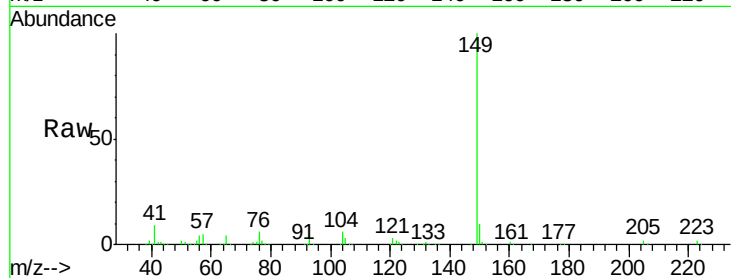
150 9.5 7.4 11.0

104 5.8 4.7 7.1

Manual Integrations

sohil

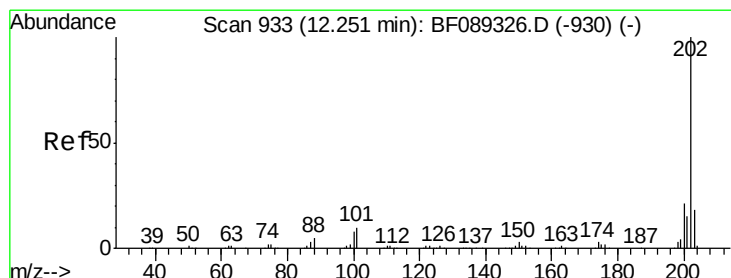
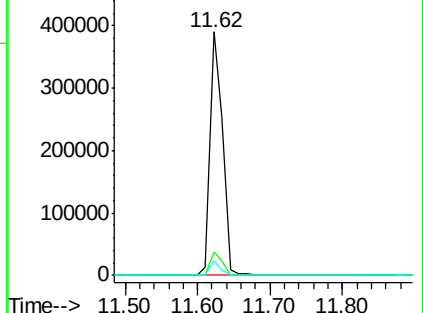
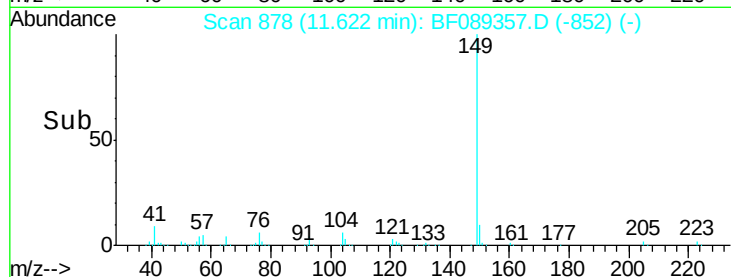
7/28/2016 5:03:58 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.45 ng

RT: 12.25 min Scan# 933

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

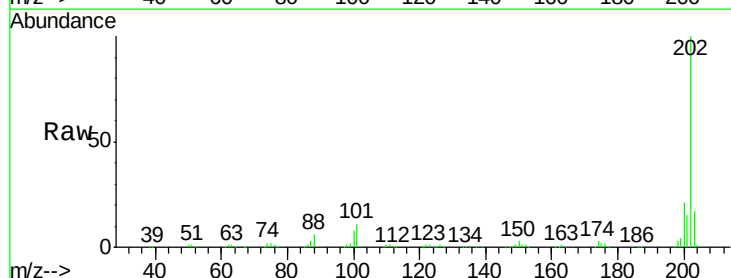
Tgt Ion:202 Resp: 418877

Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.9

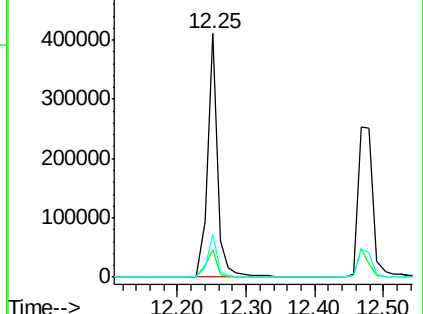
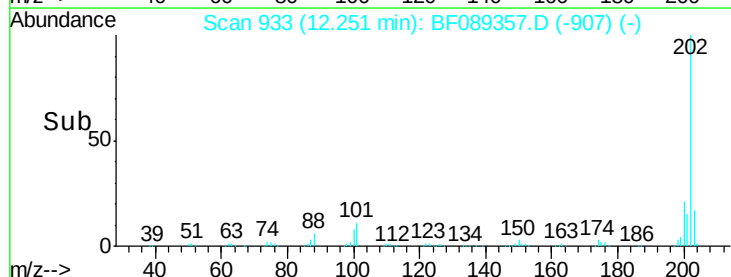
203 17.3 0.0 37.3

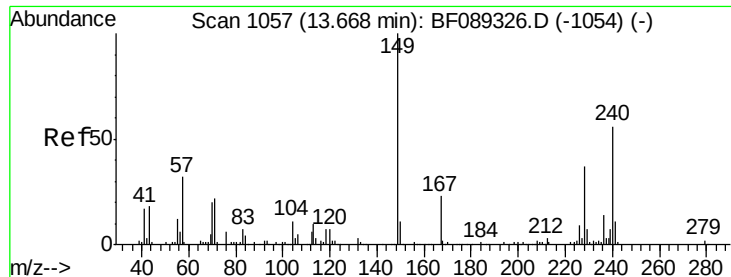


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

Tgt Ion:240 Resp: 122802

Ion Ratio Lower Upper

240 100

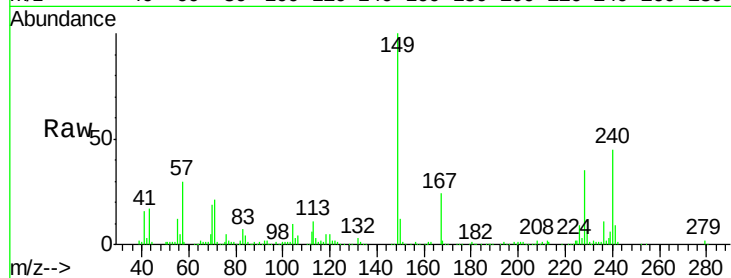
120 11.9 9.1 13.7

236 25.2 20.6 30.8

Manual Integrations

sohil

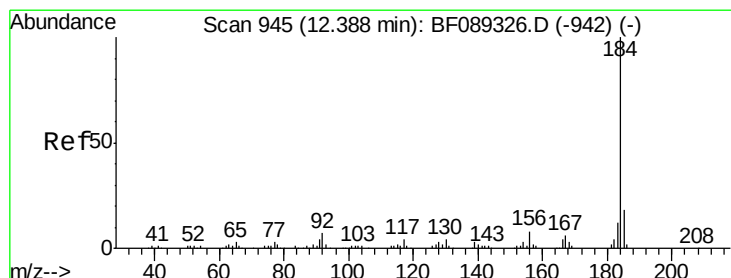
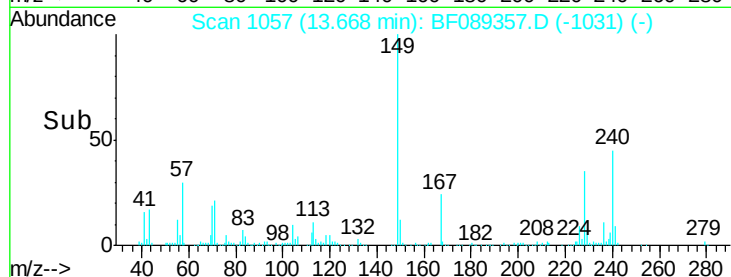
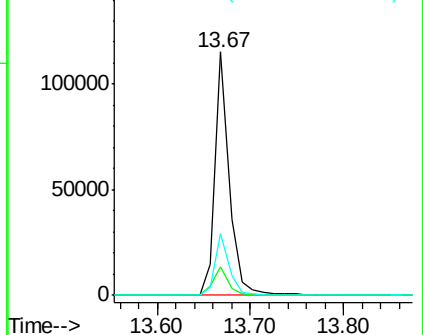
7/28/2016 5:03:58 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 5.20 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.04 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

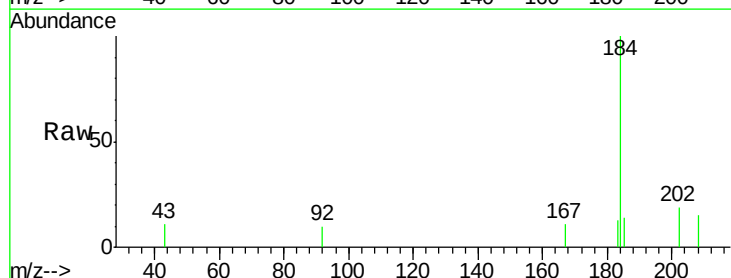
Tgt Ion:184 Resp: 23589

Ion Ratio Lower Upper

184 100

185 14.1 13.5 20.3

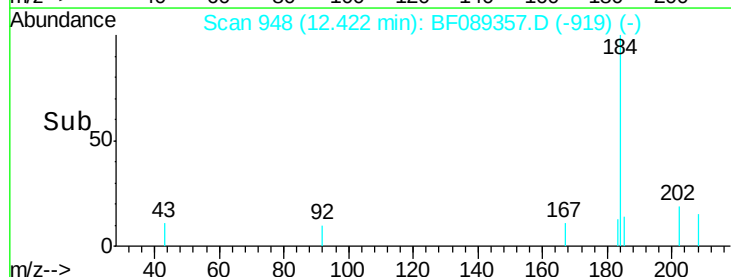
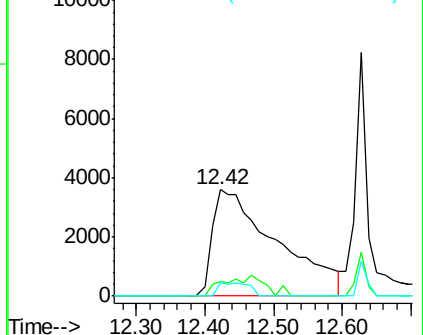
183 13.0 9.8 14.6

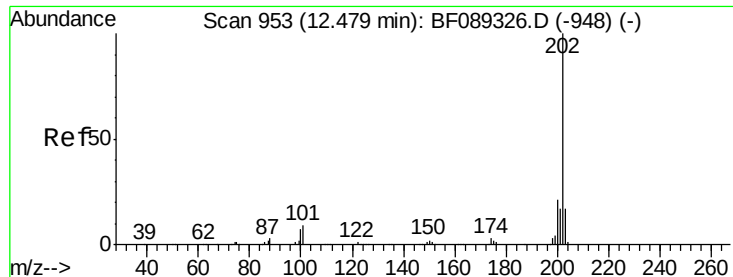


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 41.31 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

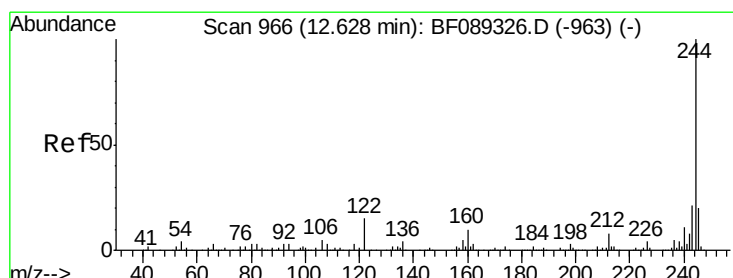
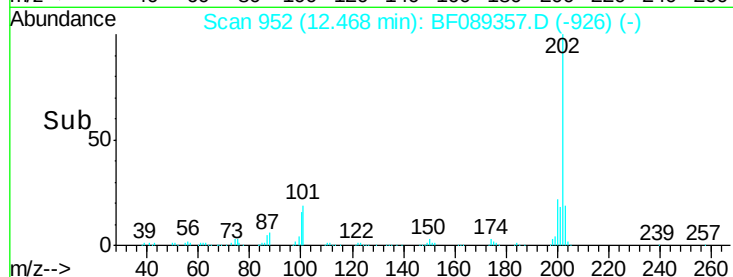
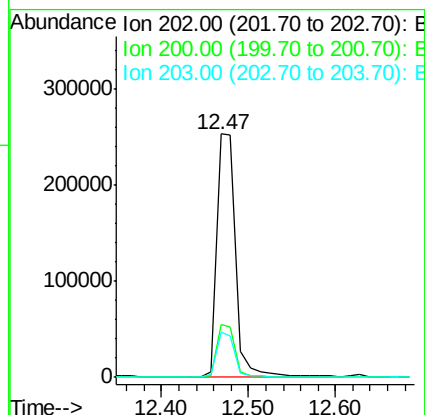
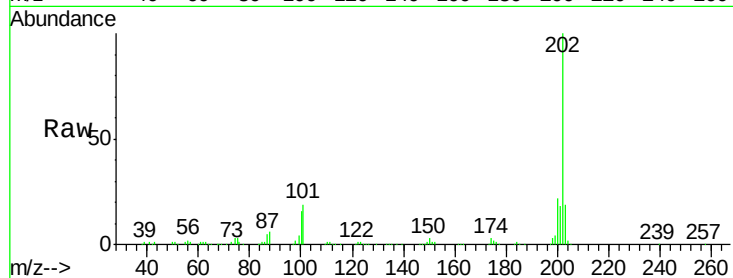
I-4MSD

Tgt Ion:	202	Resp:	384443
Ion Ratio	Lower	Upper	
202	100		
200	21.9	16.9	25.3
203	18.5	14.0	21.0

Manual Integrations

sohil

7/28/2016 5:03:58 PM



#78

Terphenyl-d14

Concen: 91.20 ng

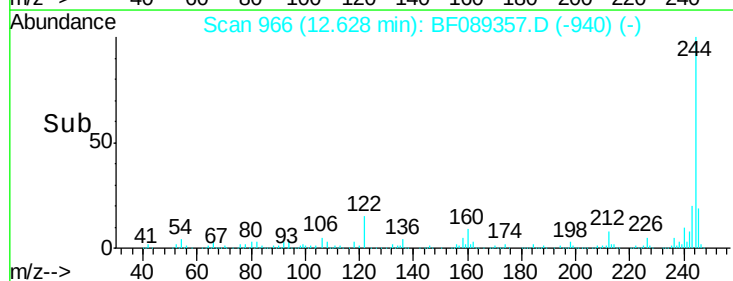
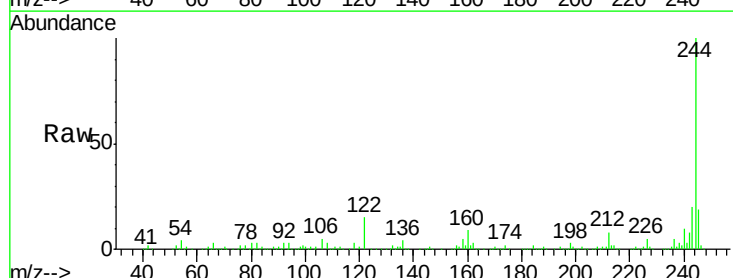
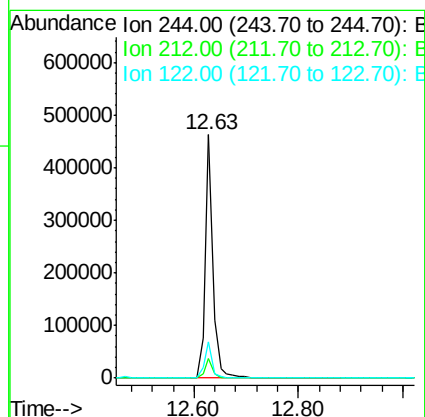
RT: 12.63 min Scan# 966

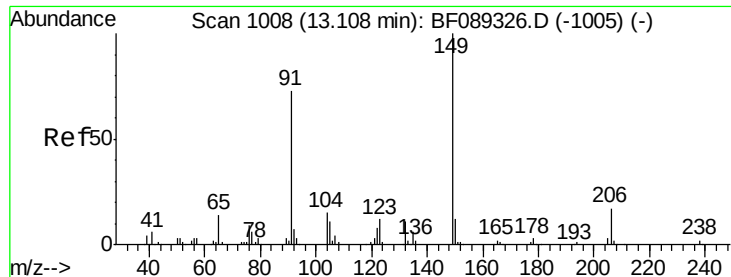
Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:	244	Resp:	478500
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.5	9.7
122	14.8	11.4	17.0





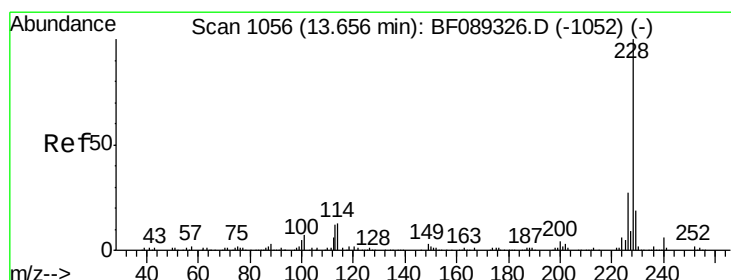
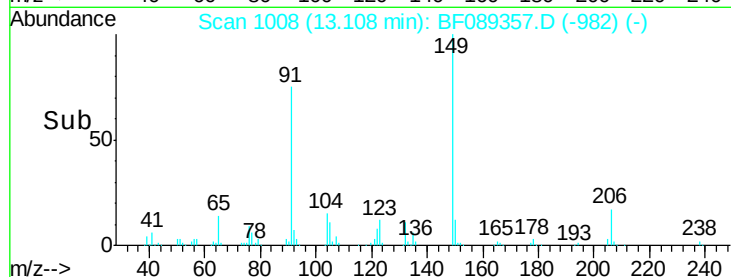
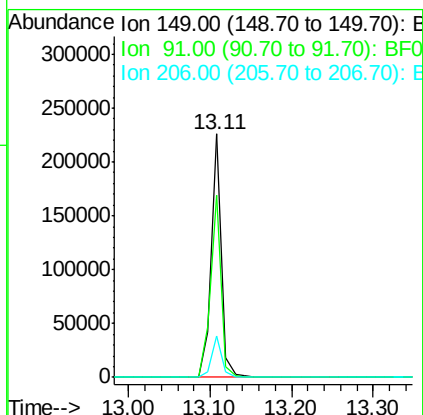
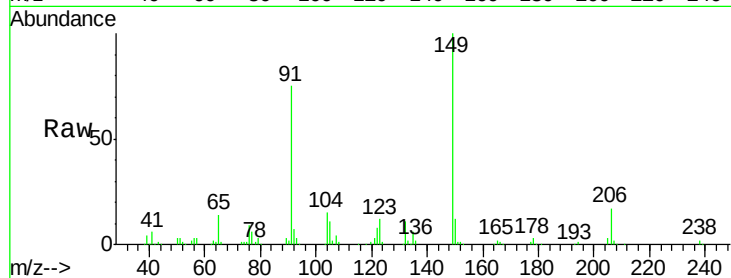
#79
Butylbenzylphthalate
Concen: 47.80 ng
RT: 13.11 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	202271		
91	74.7	58.5	87.7	
206	17.2	13.8	20.8	

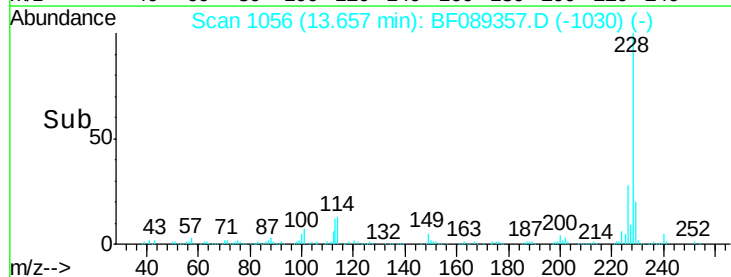
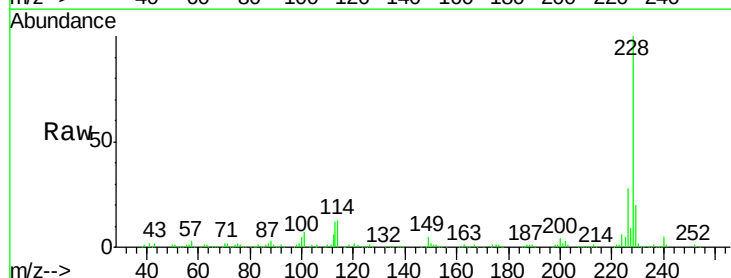
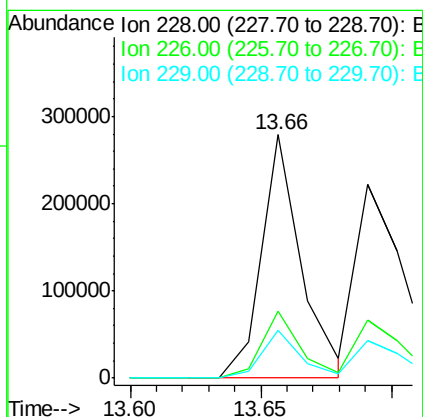
Manual Integrations

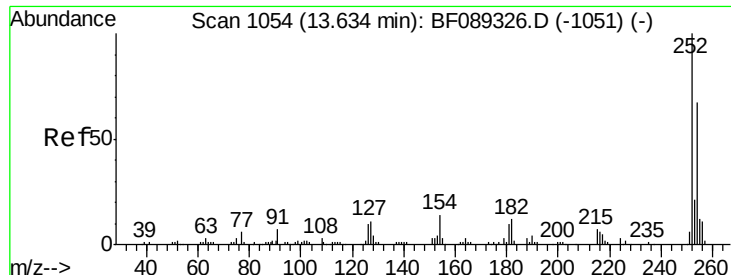
sohil
7/28/2016 5:03:58 PM



#80
Benzo(a)anthracene
Concen: 42.59 ng
RT: 13.66 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	295163		
226	27.6	21.4	32.2	
229	19.8	15.9	23.9	





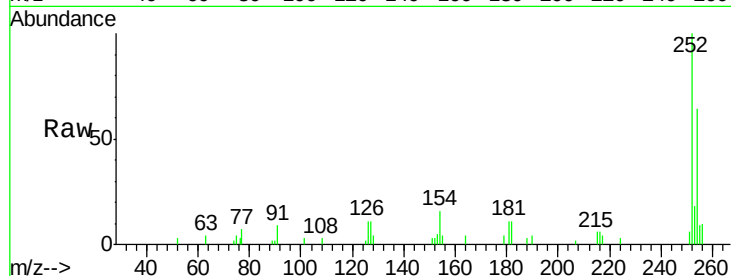
#81
 3,3'-Dichlorobenzidine
 Concen: 6.99 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

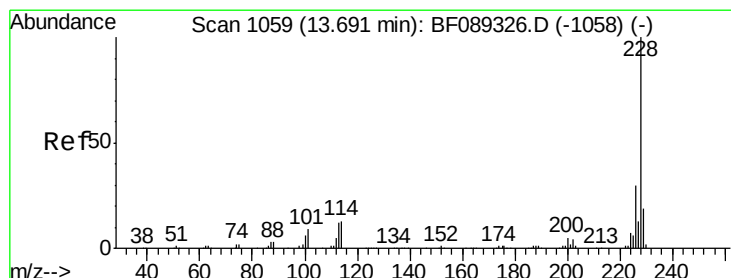
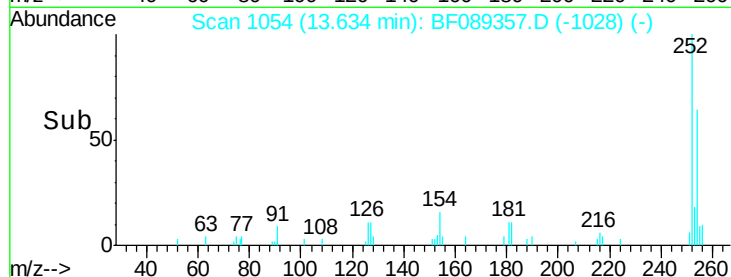
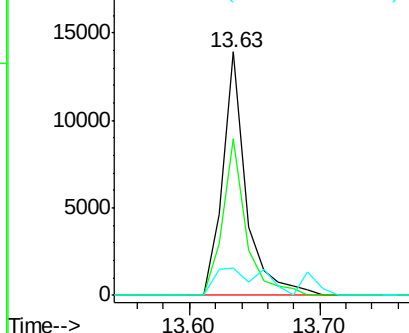
Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.5	78.7
126	11.2	7.4	11.2#

Manual Integrations

sohil
 7/28/2016 5:03:58 PM

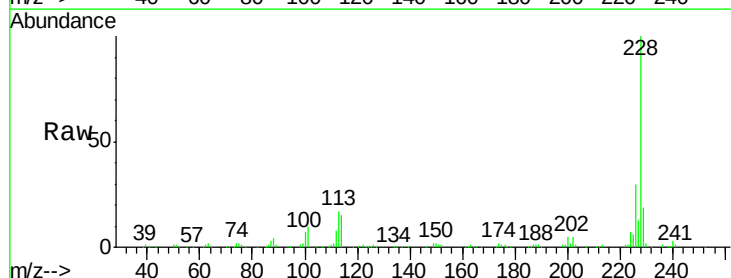


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

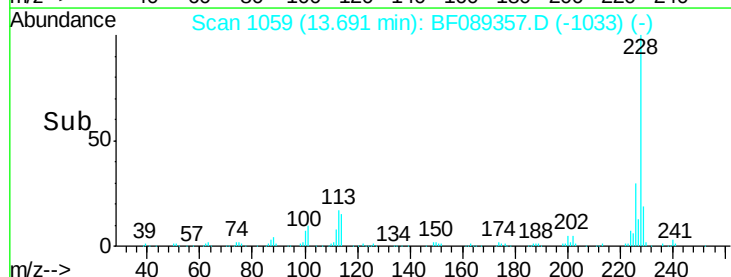
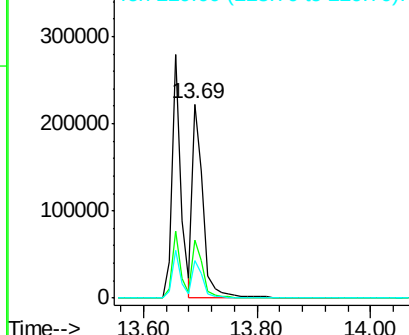


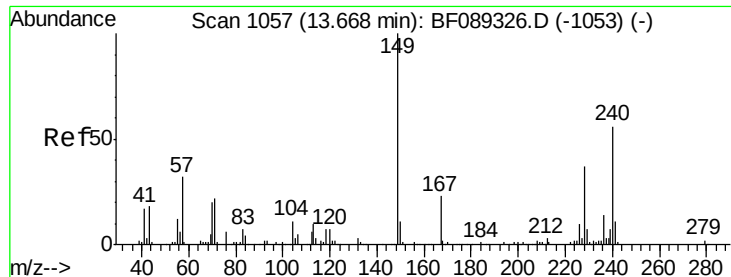
#82
 Chrysene
 Concen: 40.02 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	19.2	15.9	23.9



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





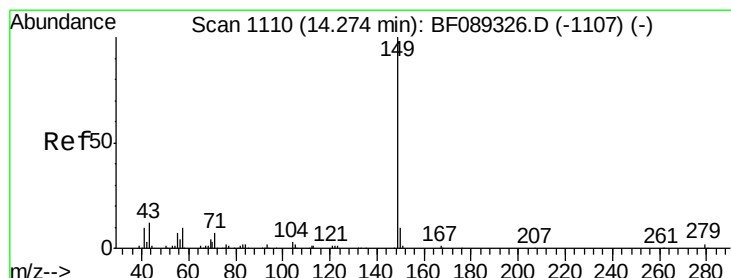
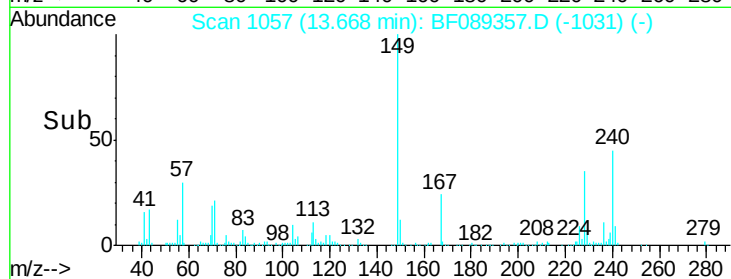
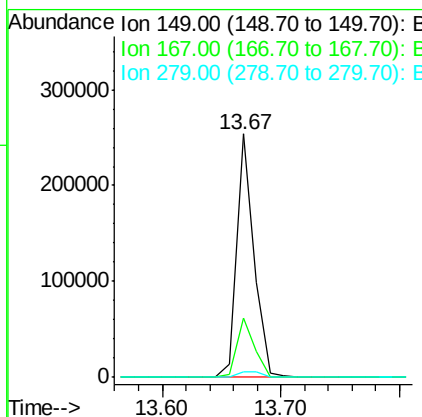
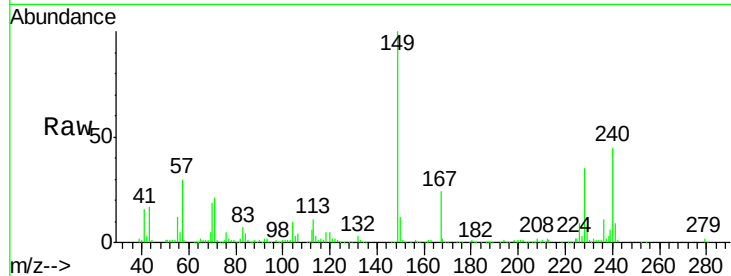
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.93 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.1	18.8	28.2
279	2.0	1.4	2.0

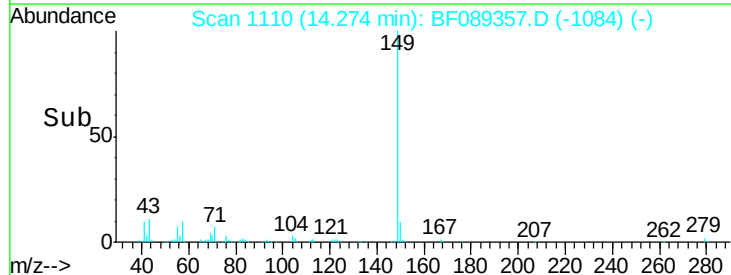
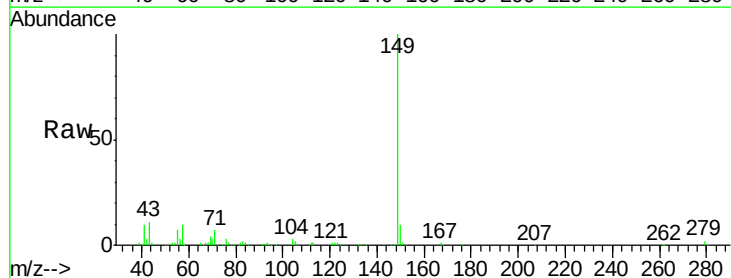
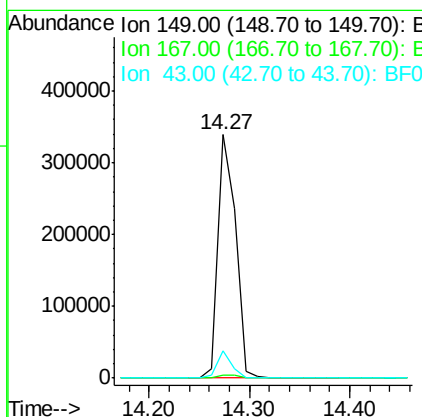
Manual Integrations

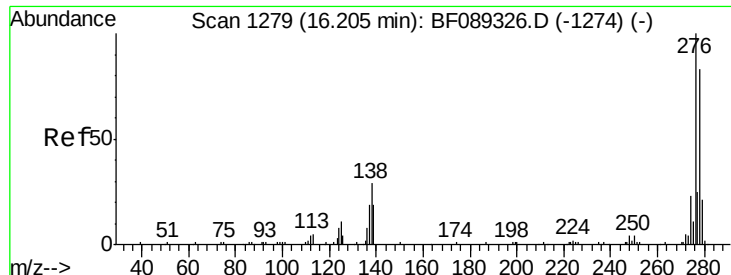
sohil
 7/28/2016 5:03:58 PM



#84
 Di-n-octyl phthalate
 Concen: 43.42 ng
 RT: 14.27 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	9.4	7.3	10.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 42.17 ng

RT: 16.21 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampled :

I-4MSD

Tgt Ion:276 Resp: 221183

Ion Ratio Lower Upper

276 100

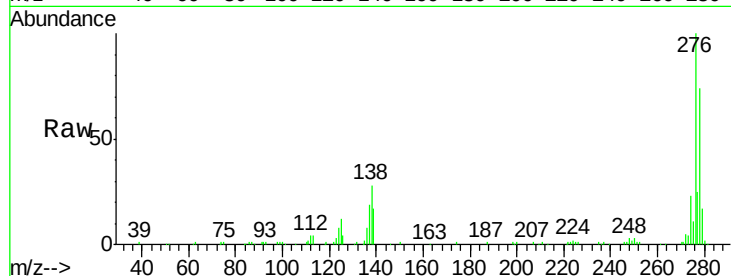
138 28.8 23.0 34.4

277 25.2 20.2 30.4

Manual Integrations

sohil

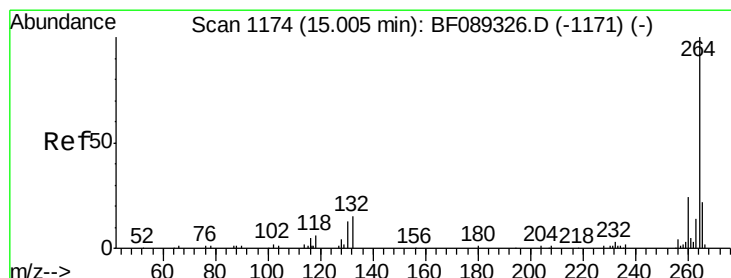
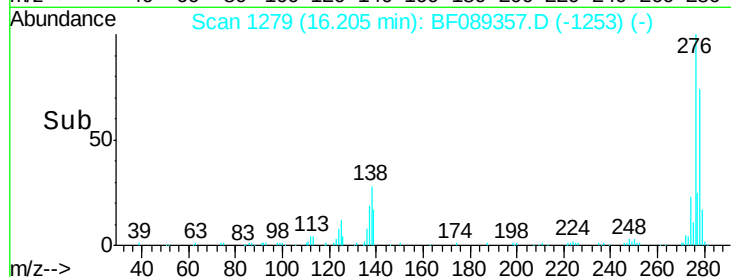
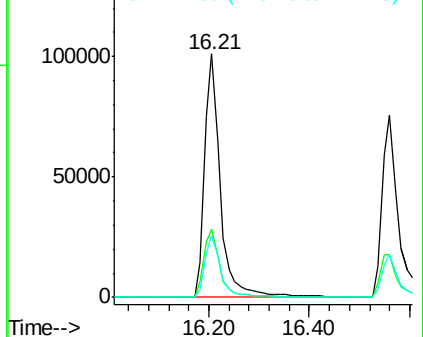
7/28/2016 5:03:58 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.01 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

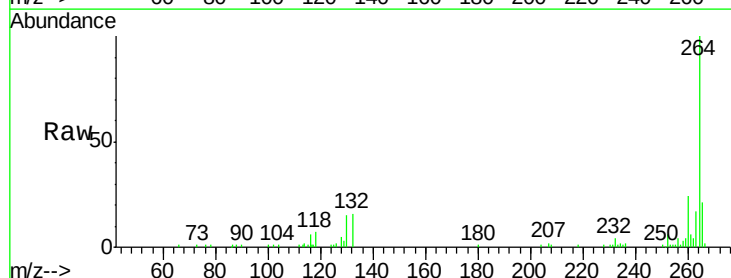
Tgt Ion:264 Resp: 83612

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

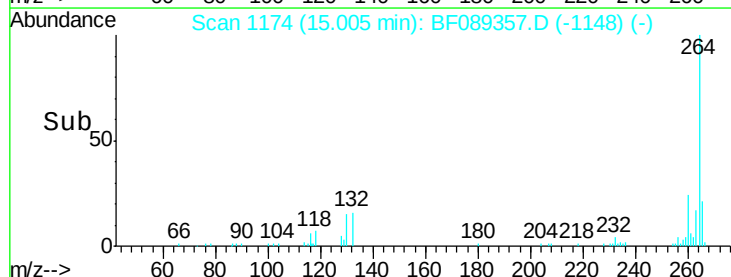
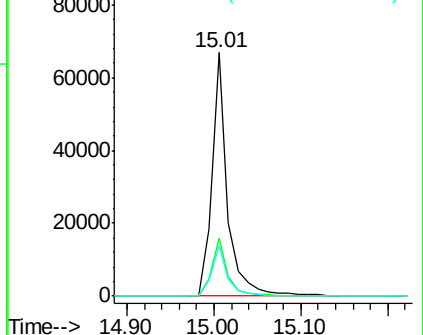
265 20.8 17.5 26.3

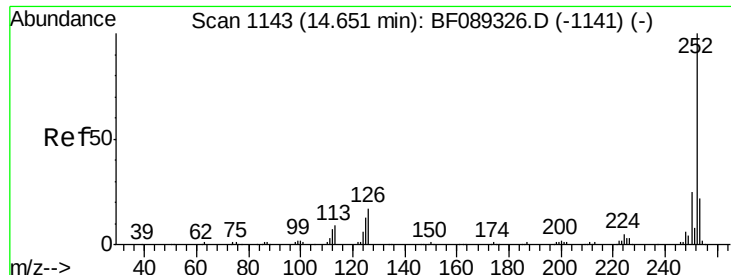


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





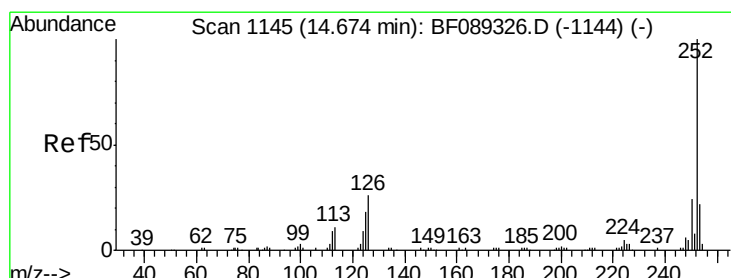
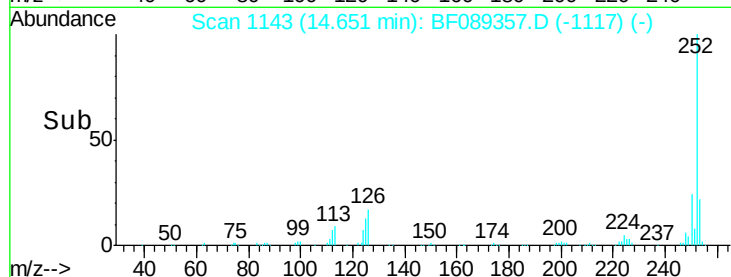
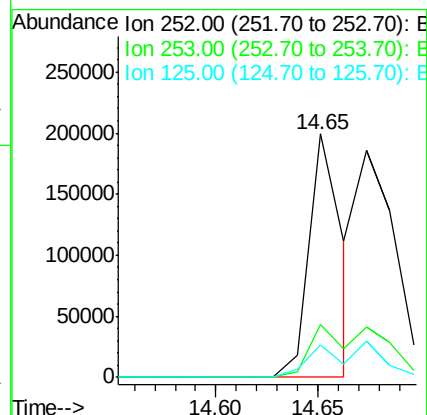
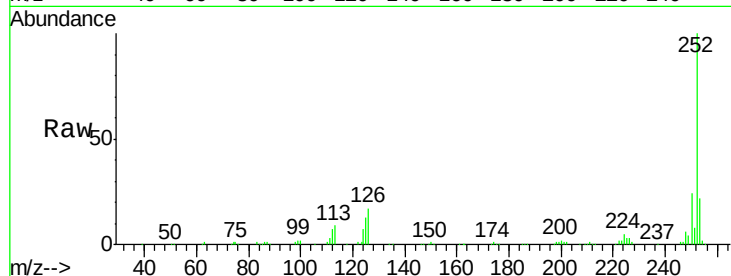
#87
Benzo(b)fluoranthene
Concen: 43.44 ng m
RT: 14.65 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampled :
I-4MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	13.4	9.7	14.5

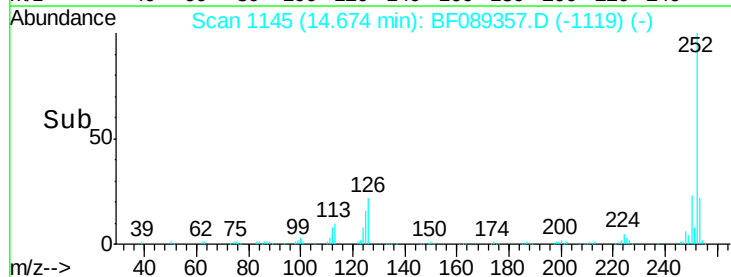
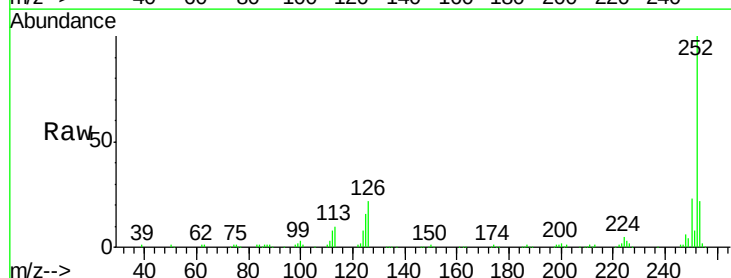
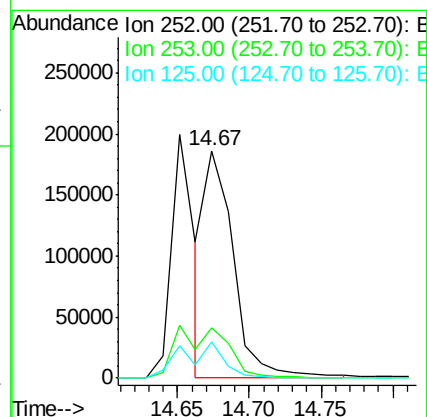
Manual Integrations

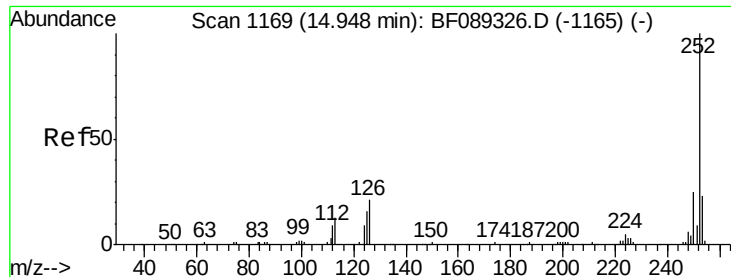
sohil
7/28/2016 5:03:58 PM



#88
Benzo(k)fluoranthene
Concen: 54.77 ng m
RT: 14.67 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	15.8	10.7	16.1





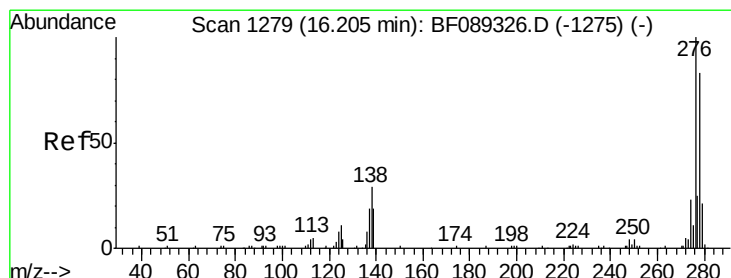
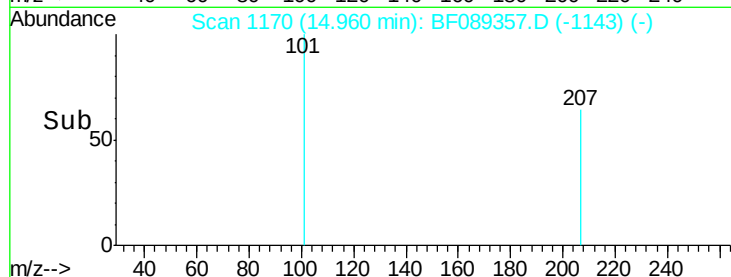
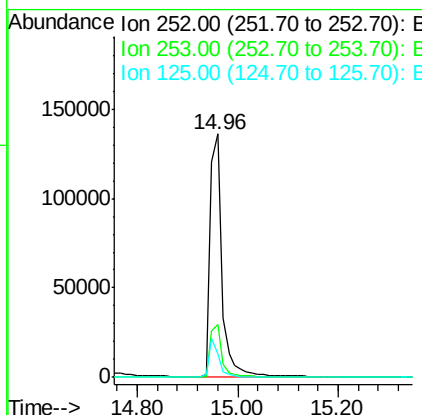
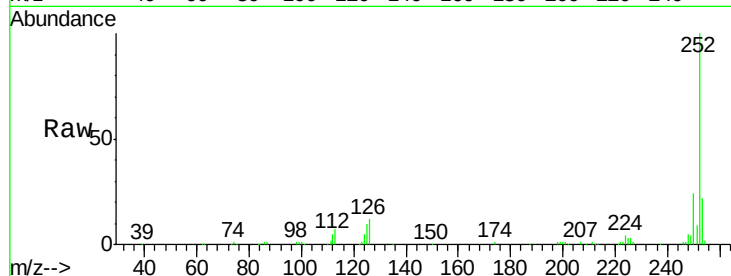
#89
Benzo(a)pyrene
Concen: 47.65 ng
RT: 14.96 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Instrument :
BNA_F
ClientSampleId :
I-4MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	9.5	12.4	18.6

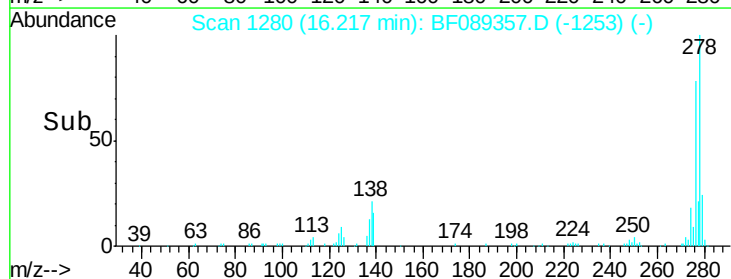
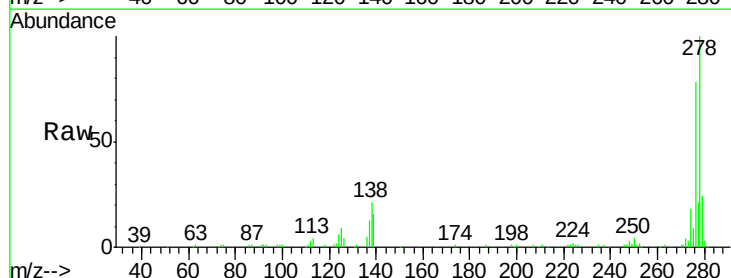
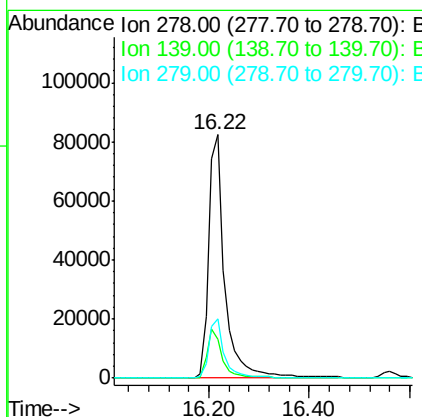
Manual Integrations

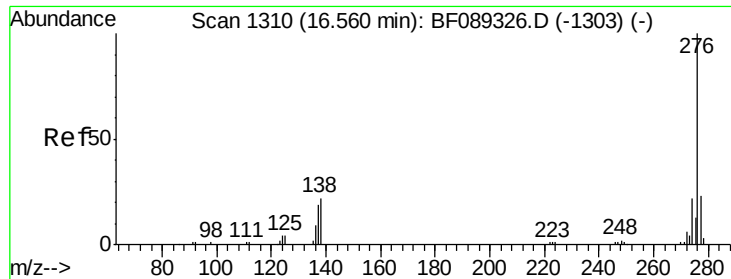
sohil
7/28/2016 5:03:58 PM



#90
Dibenzo(a,h)anthracene
Concen: 50.11 ng
RT: 16.22 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.8	16.3	24.5
279	24.2	19.1	28.7





#91
 Benzo(g,h,i)perylene
 Concen: 50.10 ng
 RT: 16.56 min Scan# 1310
 Delta R.T. 0.01 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Tgt Ion:	276	Resp:	180689
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.6	28.0
138	23.4	21.4	32.0

Manual Integrations

sohil
 7/28/2016 5:03:58 PM

