

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089356.D
 Acq On : 28 Jul 2016 9:51
 Operator : UM/SJ
 Sample : H4155-17MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Manual Integrations

sohil
 7/28/2016 5:03:50 PM

Quant Time: Jul 28 13:31:29 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	46763	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	200807	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	96551	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	184462	20.00	ng	0.00
75) Chrysene-d12	13.67	240	129117	20.00	ng	0.00
86) Perylene-d12	15.01	264	99745	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	358620	122.45	ng	0.03
7) Phenol-d6	6.22	99	455657	117.73	ng	0.01
23) Nitrobenzene-d5	7.12	82	343081	100.85	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	110080	137.66	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	658101	100.03	ng	0.00
78) Terphenyl-d14	12.63	244	540009	97.89	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.16	88	45304	33.58	ng	# 83
3) Pyridine	2.74	79	76066m	26.55	ng	
4) n-Nitrosodimethylamine	2.68	42	48051	41.90	ng	95
6) Aniline	6.23	93	73036	17.48	ng	# 1
8) 2-Chlorophenol	6.33	128	154678	46.69	ng	86
9) Benzaldehyde	6.09	77	45748	24.21	ng	95
10) Phenol	6.23	94	177336	41.52	ng	88
11) bis(2-Chloroethyl)ether	6.30	93	187239	51.60	ng	94
12) 1,3-Dichlorobenzene	6.48	146	144006	41.56	ng	96
13) 1,4-Dichlorobenzene	6.56	146	157323	41.14	ng	98
14) 1,2-Dichlorobenzene	6.72	146	150249	41.94	ng	99
15) Benzyl Alcohol	6.71	79	129873	54.07	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.84	45	179104	45.25	ng	90
17) 2-Methylphenol	6.83	107	119692	46.75	ng	96
18) Hexachloroethane	7.05	117	59740	40.75	ng	96
19) n-Nitroso-di-n-propylamine	6.98	70	126695	54.28	ng	93
20) 3+4-Methylphenols	6.99	107	154265	46.91	ng	89
22) Acetophenone	6.97	105	212259	44.40	ng	98
24) Nitrobenzene	7.14	77	175098	45.22	ng	99
25) Isophorone	7.38	82	332905	48.58	ng	98
26) 2-Nitrophenol	7.46	139	79574	45.97	ng	97
27) 2,4-Dimethylphenol	7.51	122	127458	46.22	ng	96
28) bis(2-Chloroethoxy)methane	7.60	93	200062	52.74	ng	99
29) 2,4-Dichlorophenol	7.70	162	127799	50.86	ng	92
30) 1,2,4-Trichlorobenzene	7.78	180	132861	46.34	ng	99
31) Naphthalene	7.85	128	498543m	50.14	ng	
32) Benzoic acid	7.68	122	75184	39.12	ng	97
33) 4-Chloroaniline	7.95	127	39345	10.39	ng	97
34) Hexachlorobutadiene	7.98	225	73033	44.47	ng	96
35) Caprolactam	8.31	113	33932m	44.74	ng	
36) 4-Chloro-3-methylphenol	8.42	107	148573	49.75	ng	94
37) 2-Methylnaphthalene	8.55	142	307906	51.39	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.71	216	115532	34.19	ng	99
40) Hexachlorocyclopentadiene	8.70	237	93303	94.99	ng	97

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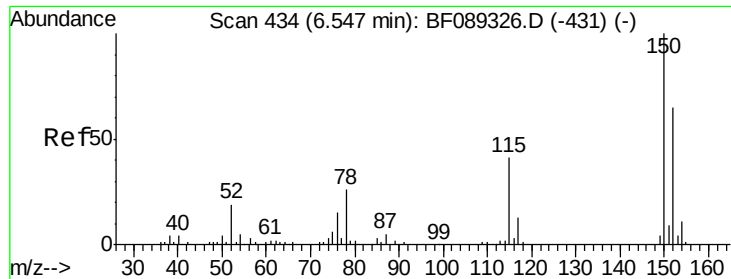
Manual Integrations

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.83	196	83447	51.95	ng	98
43) 2,4,5-Trichlorophenol	8.88	196	105281	51.74	ng	# 91
45) 1,1'-Biphenyl	9.00	154	325925	39.65	ng	100
46) 2-Chloronaphthalene	9.03	162	291306	47.18	ng	100
47) 2-Nitroaniline	9.14	65	95831	52.41	ng	94
48) Acenaphthylene	9.44	152	472214	48.56	ng	99
49) Dimethylphthalate	9.32	163	346884	47.21	ng	99
50) 2,6-Dinitrotoluene	9.38	165	73394	48.61	ng	# 71
51) Acenaphthene	9.61	154	284897	50.17	ng	99
52) 3-Nitroaniline	9.55	138	43868	27.53	ng	85
53) 2,4-Dinitrophenol	9.67	184	67639	90.35	ng	94
54) Dibenzofuran	9.78	168	403204	52.11	ng	96
55) 4-Nitrophenol	9.75	139	61332m	79.11	ng	
56) 2,4-Dinitrotoluene	9.79	165	108499	54.59	ng	# 65
57) Fluorene	10.12	166	344283	50.97	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.91	232	75858	55.84	ng	95
59) Diethylphthalate	10.02	149	390775	52.46	ng	97
60) 4-Chlorophenyl-phenylether	10.12	204	149238	48.17	ng	98
61) 4-Nitroaniline	10.17	138	72363	44.06	ng	97
62) Azobenzene	10.28	77	400323	52.18	ng	85
64) 4,6-Dinitro-2-methylphenol	10.20	198	49788	45.02	ng	90
65) n-Nitrosodiphenylamine	10.25	169	293542	51.00	ng	99
66) 4-Bromophenyl-phenylether	10.60	248	91337	51.86	ng	# 89
67) Hexachlorobenzene	10.66	284	85026	47.11	ng	93
68) Atrazine	10.78	200	77457	43.81	ng	97
69) Pentachlorophenol	10.87	266	88805	99.93	ng	98
70) Phenanthrene	11.07	178	478415	50.29	ng	99
71) Anthracene	11.13	178	521562	49.31	ng	100
72) Carbazole	11.29	167	469542	52.73	ng	99
73) Di-n-butylphthalate	11.63	149	583556	48.85	ng	# 98
74) Fluoranthene	12.25	202	497072	49.67	ng	97
76) Benzidine	12.41	184	18934	3.97	ng	98
77) Pyrene	12.48	202	497606	50.85	ng	99
79) Butylbenzylphthalate	13.11	149	240193	53.99	ng	95
80) Benzo(a)anthracene	13.66	228	362189	49.71	ng	99
81) 3,3'-Dichlorobenzidine	13.63	252	77168	29.43	ng	96
82) Chrysene	13.70	228	374614	48.30	ng	99
83) Bis(2-ethylhexyl)phthalate	13.67	149	318636	49.54	ng	100
84) Di-n-octyl phthalate	14.27	149	507260	50.55	ng	100
85) Indeno(1,2,3-cd)pyrene	16.21	276	278742	50.55	ng	100
87) Benzo(b)fluoranthene	14.65	252	277367m	44.78	ng	
88) Benzo(k)fluoranthene	14.67	252	328812m	57.74	ng	
89) Benzo(a)pyrene	14.96	252	285524	51.38	ng	# 94
90) Dibenzo(a,h)anthracene	16.22	278	235921	53.90	ng	96
91) Benzo(g,h,i)perylene	16.56	276	229403	53.31	ng	97

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



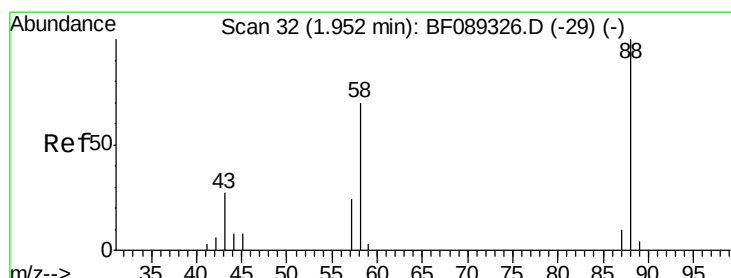
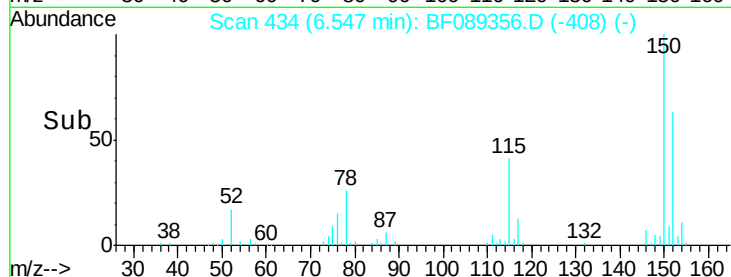
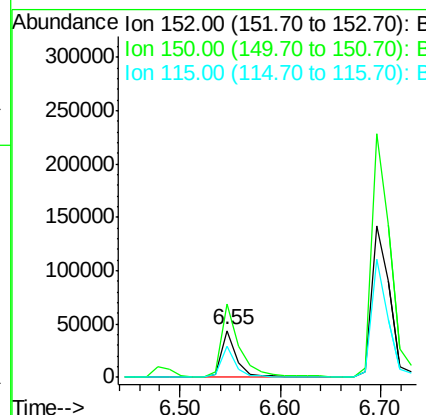
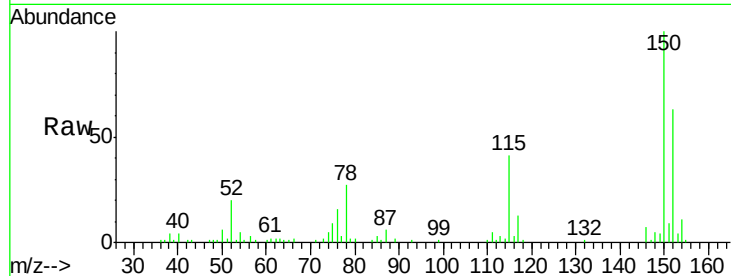
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	129.5	194.3
115	65.5	51.4	77.2

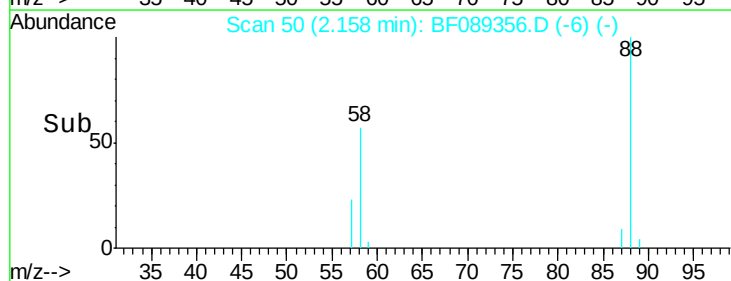
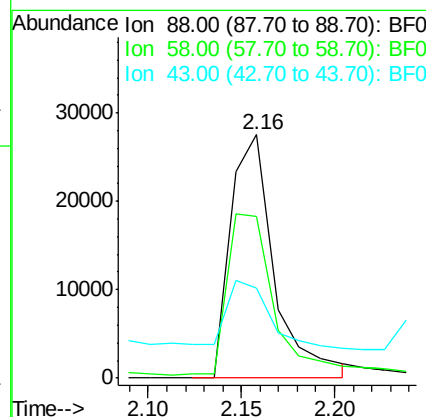
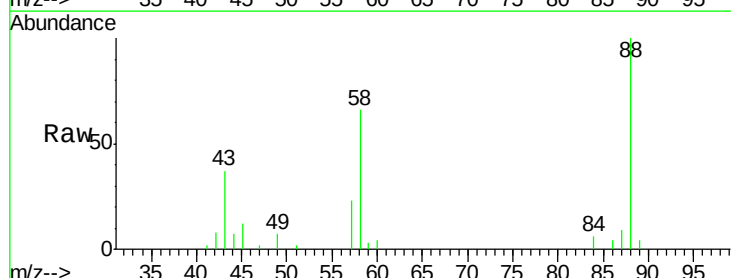
Manual Integrations

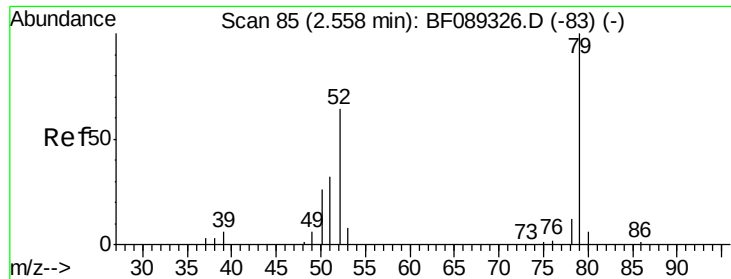
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#2
 1,4-Dioxane
 Concen: 33.58 ng
 RT: 2.16 min Scan# 50
 Delta R.T. 0.21 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.5	53.2	79.8
43	0.0	20.6	31.0





#3

Pyridine

Concen: 26.55 ng m

RT: 2.74 min Scan# 101

Delta R.T. 0.17 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampled :

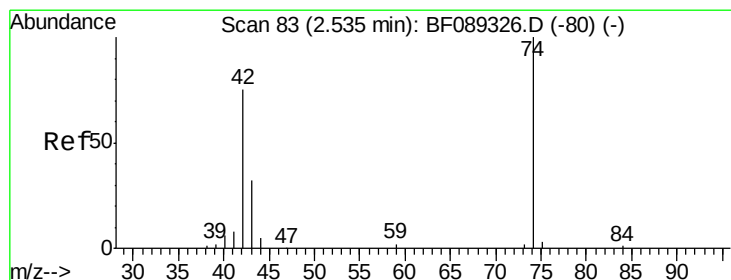
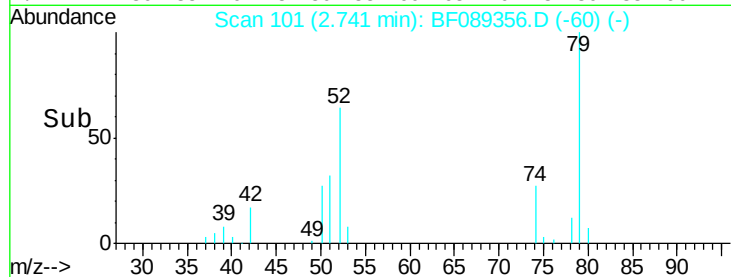
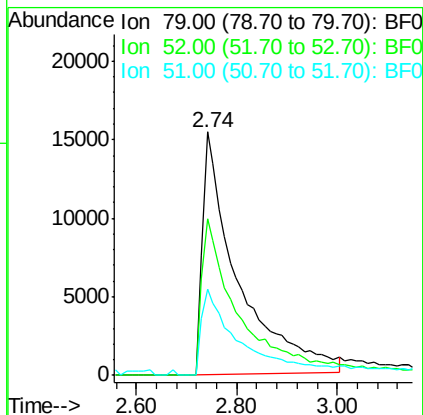
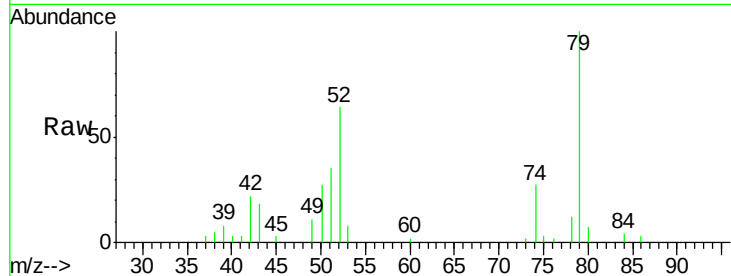
I-4MS

Tgt Ion:	79	Resp:	76066
Ion	Ratio	Lower	Upper
79	100		
52	64.3	51.9	77.9
51	35.4	28.2	42.4

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 41.90 ng

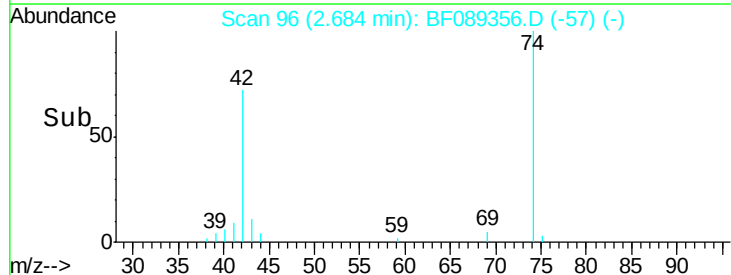
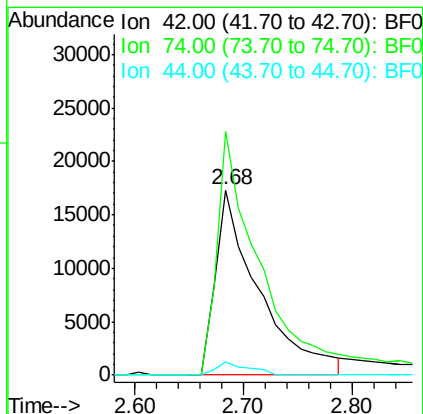
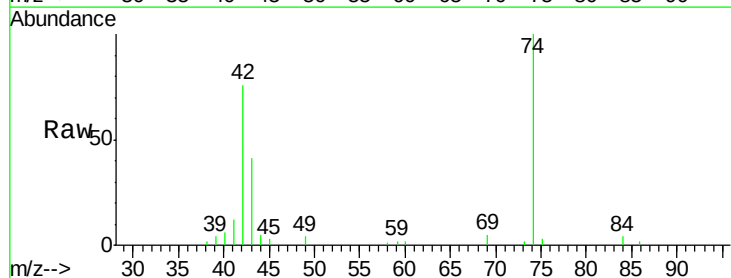
RT: 2.68 min Scan# 96

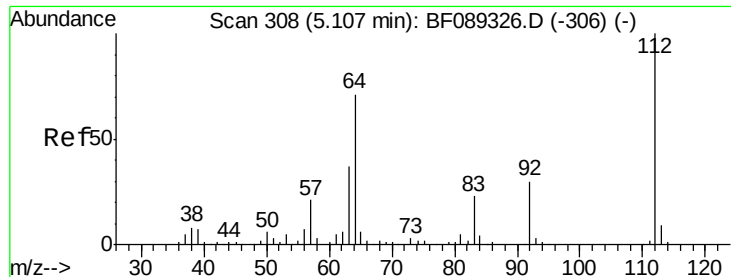
Delta R.T. 0.15 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:	42	Resp:	48051
Ion	Ratio	Lower	Upper
42	100		
74	131.8	110.8	166.2
44	7.0	5.2	7.8





#5

2-Fluorophenol

Concen: 122.45 ng

RT: 5.14 min Scan# 311

Delta R.T. 0.03 min

Lab File: BF089356.D

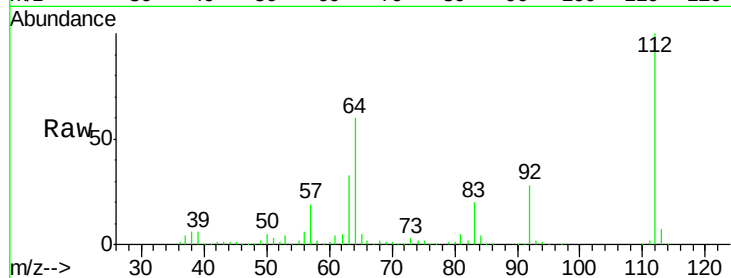
Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

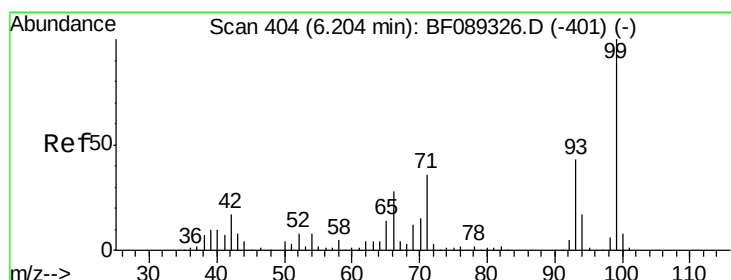
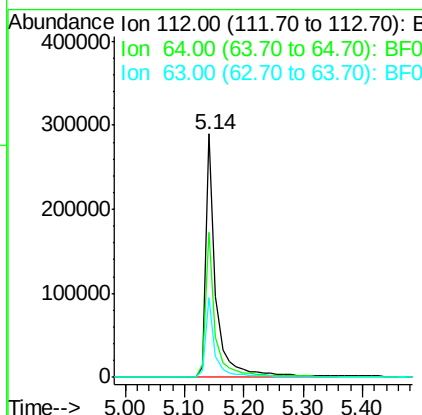
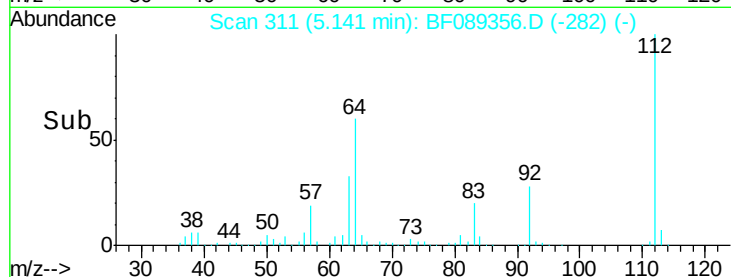


Tgt Ion:	112	Resp:	358620
Ion Ratio	Lower	Upper	
112	100		
64	59.8	55.0	82.6
63	32.8	29.4	44.2

Manual Integrations

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#6

Aniline

Concen: 17.48 ng

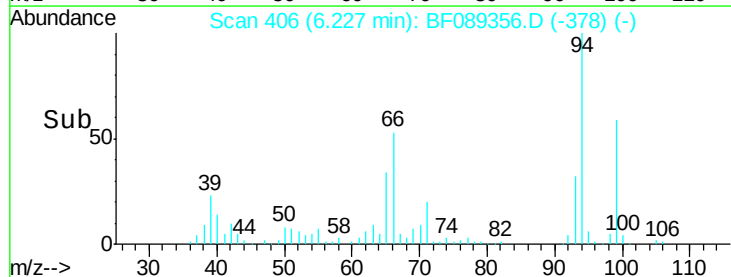
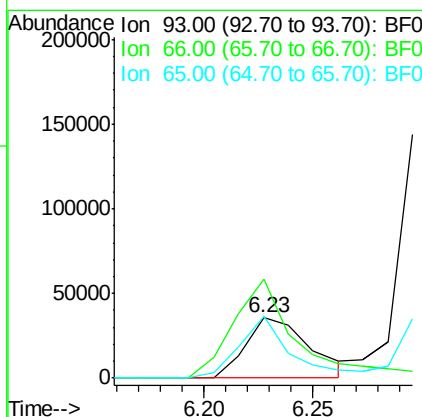
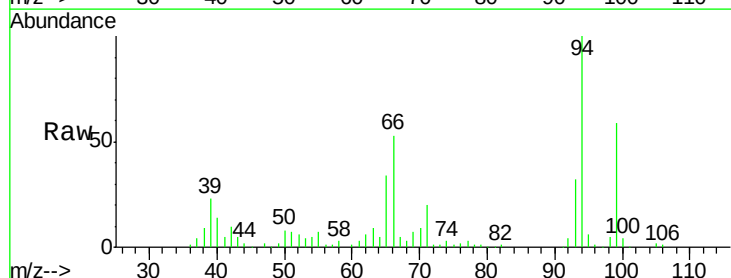
RT: 6.23 min Scan# 406

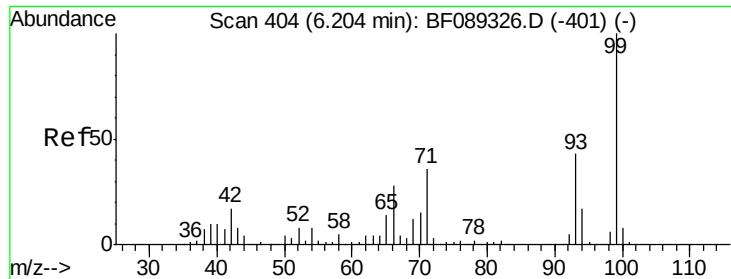
Delta R.T. 0.02 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:	93	Resp:	73036
Ion Ratio	Lower	Upper	
93	100		
66	164.1	51.6	77.4#
65	103.3	24.7	37.1#





#7

Phenol-d6

Concen: 117.73 ng

RT: 6.22 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

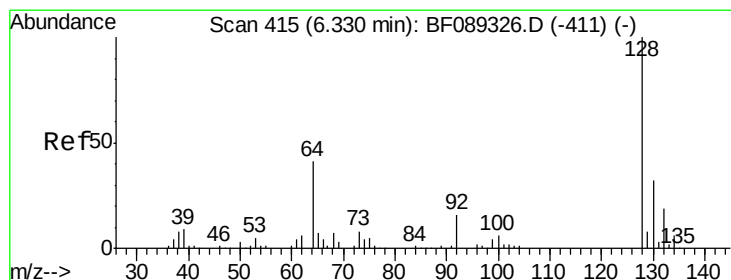
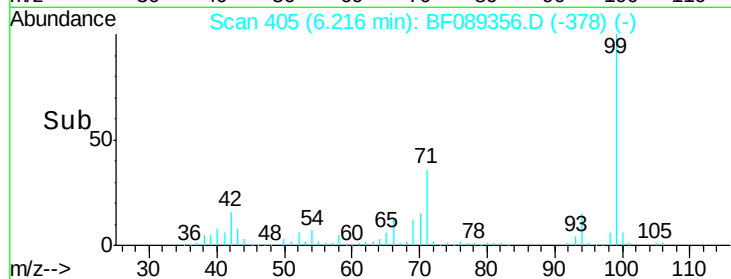
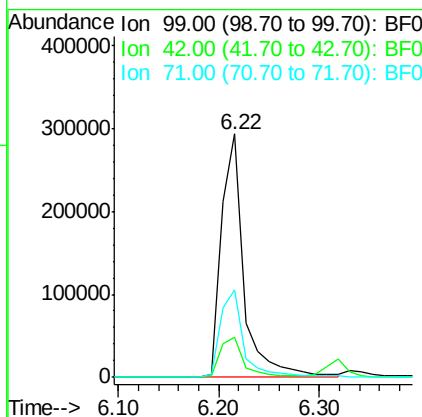
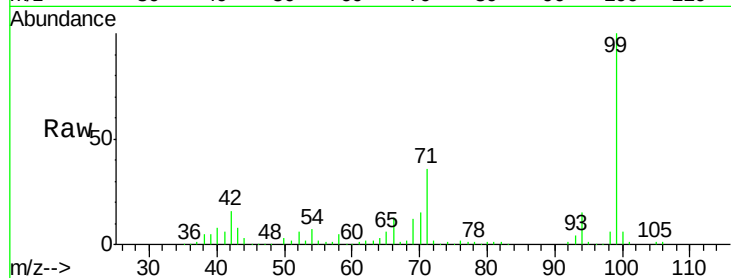
I-4MS

Tgt Ion:	99	Resp:	455657
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.6	20.4
71	35.8	29.4	44.2

Manual Integrations

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#8

2-Chlorophenol

Concen: 46.69 ng

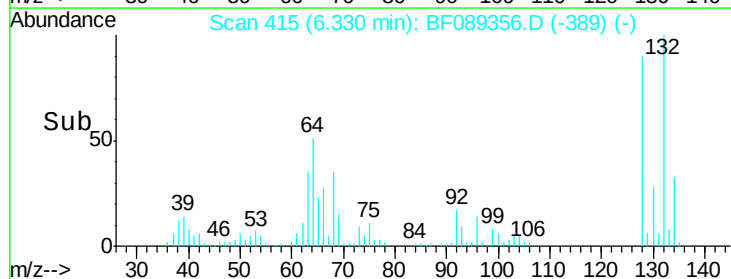
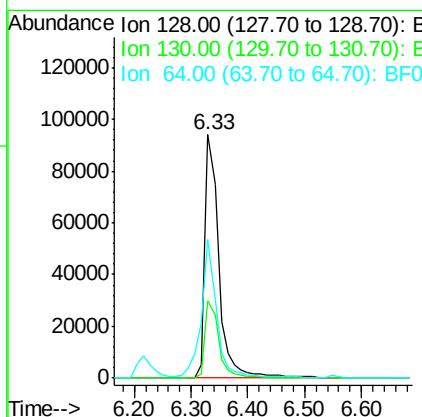
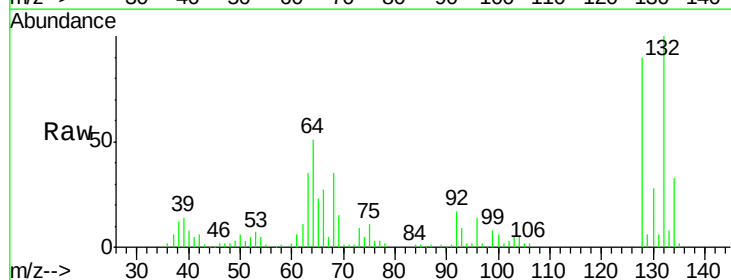
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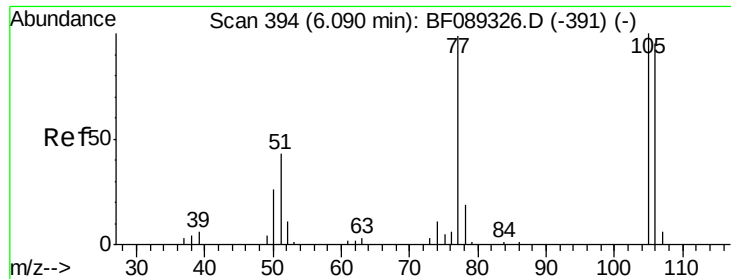
Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:	128	Resp:	154678
Ion Ratio	Lower	Upper	
128	100		
130	31.5	12.6	52.6
64	56.7	22.1	62.1





#9

Benzaldehyde

Concen: 24.21 ng

RT: 6.09 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

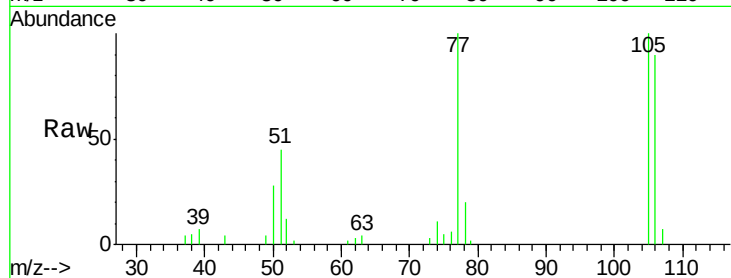
ClientSampled :

I-4MS

Manual Integrations

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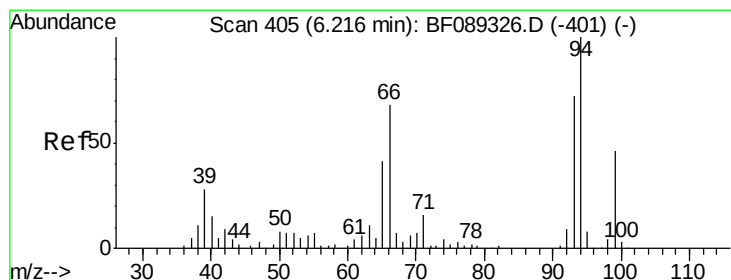
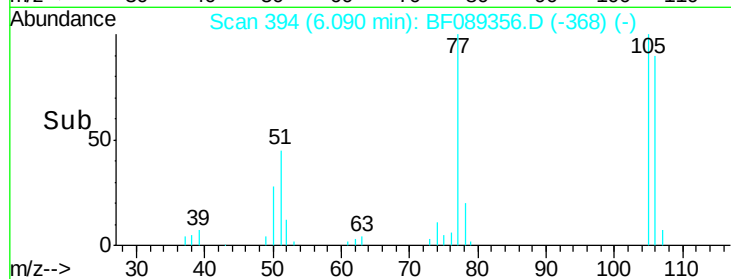
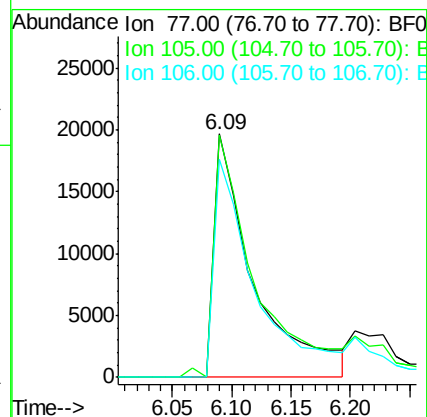
Tgt Ion: 77 Resp: 45748

Ion Ratio Lower Upper

77 100

105 99.8 82.9 122.9

106 89.6 75.9 115.9



#10

Phenol

Concen: 41.52 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.01 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

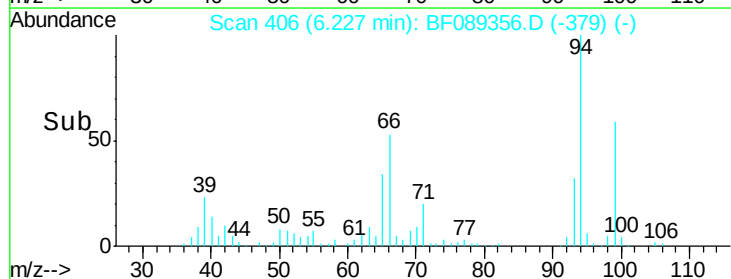
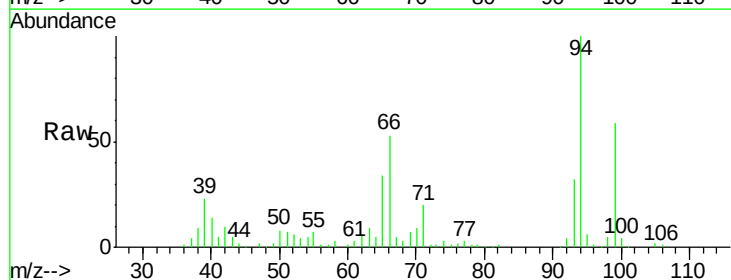
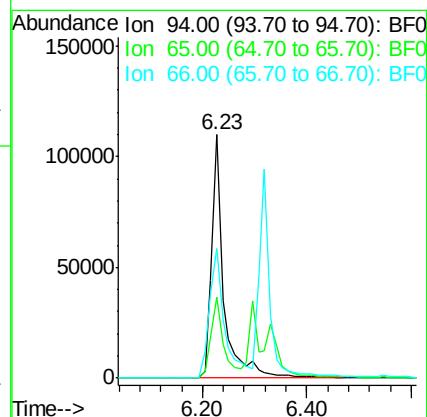
Tgt Ion: 94 Resp: 177336

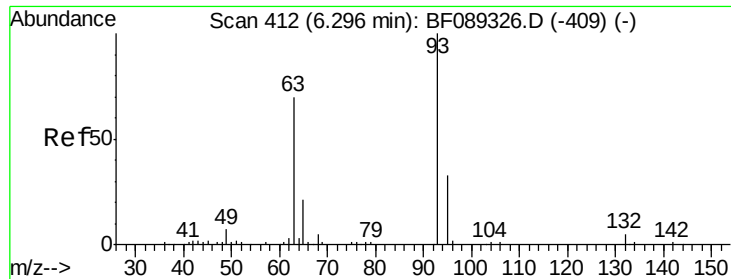
Ion Ratio Lower Upper

94 100

65 33.5 19.1 59.1

66 53.2 44.4 84.4





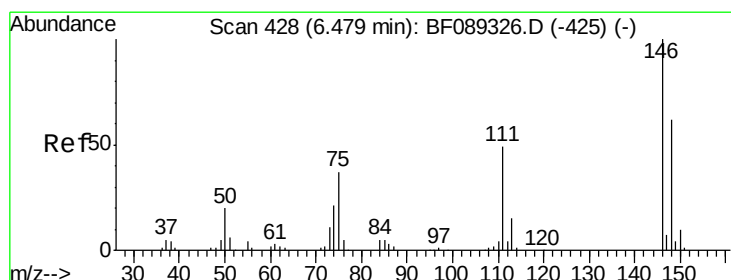
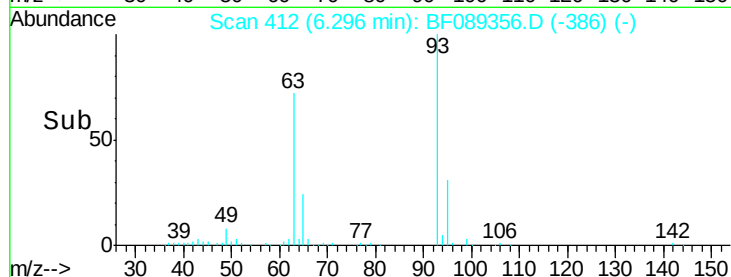
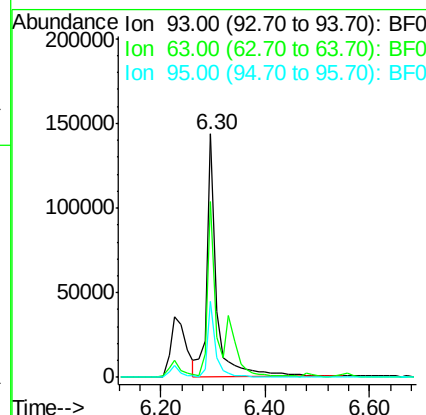
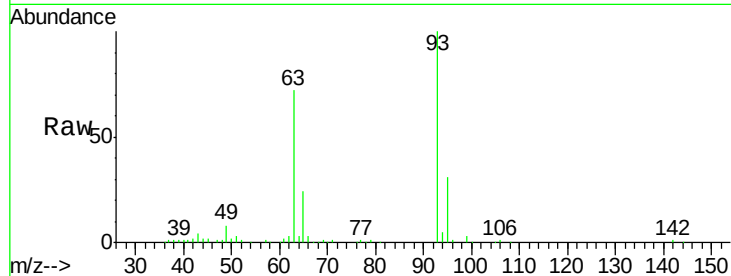
#11
bis(2-Chloroethyl)ether
Concen: 51.60 ng
RT: 6.30 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampleId :
I-4MS

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	187239		
63	72.4	45.6	85.6	
95	31.3	11.1	51.1	

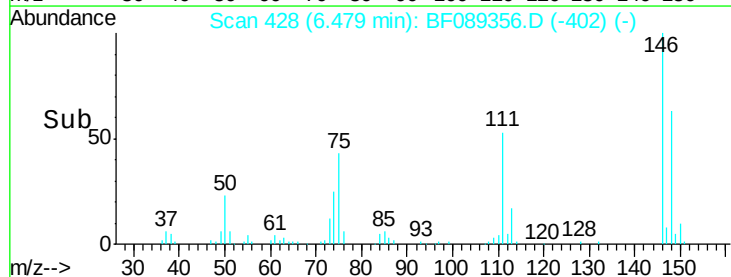
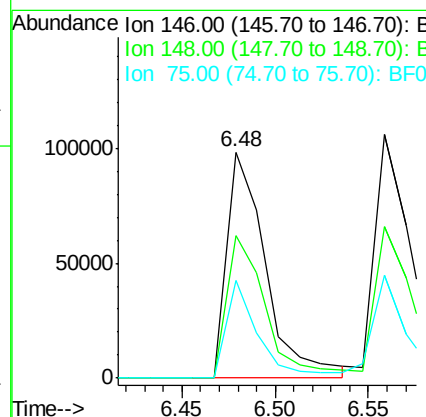
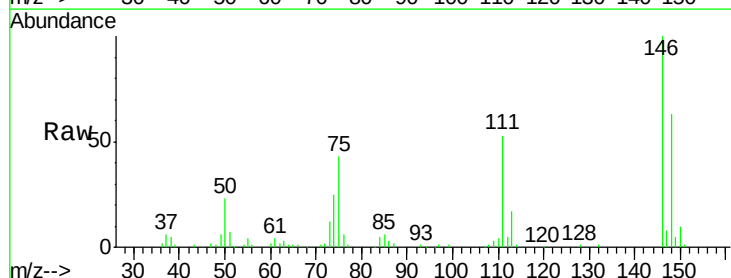
Manual Integrations

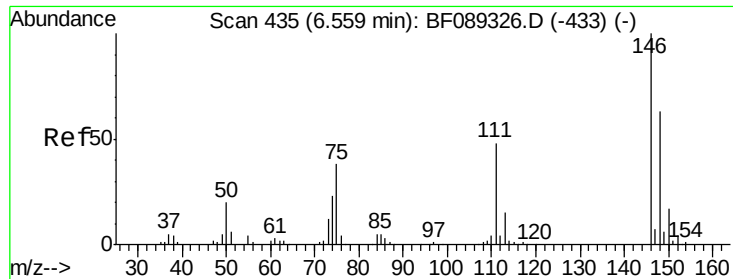
sohil
7/28/2016 5:03:50 PM



#12
1,3-Dichlorobenzene
Concen: 41.56 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	144006		
148	62.9	50.5	75.7	
75	43.2	30.0	45.0	





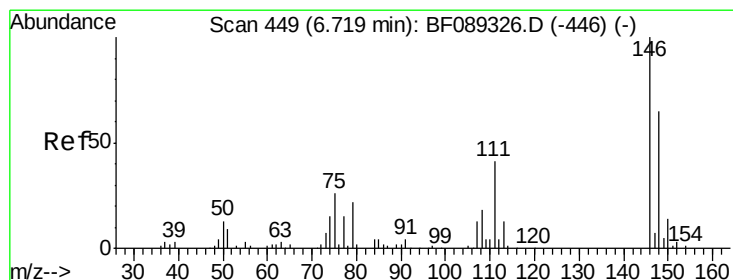
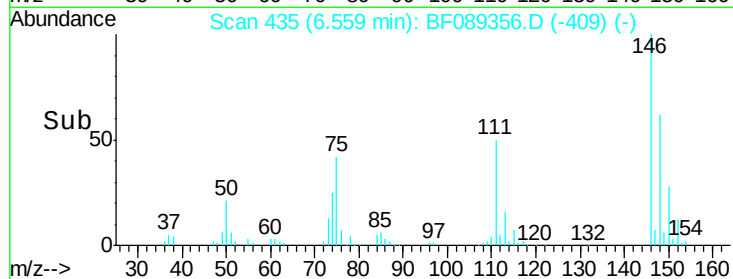
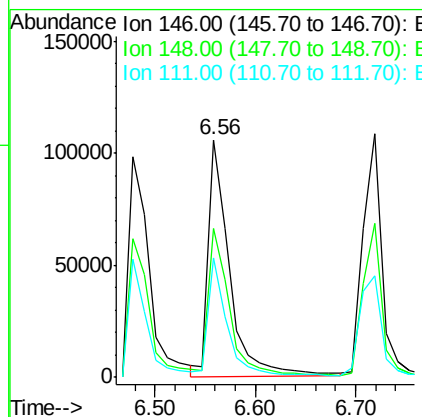
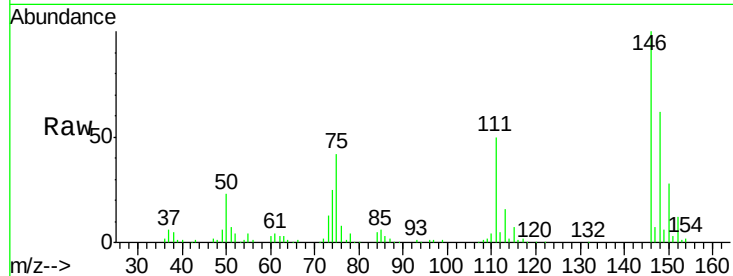
#13
 1,4-Dichlorobenzene
 Concen: 41.14 ng
 RT: 6.56 min Scan# 435
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampled :
 I-4MS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	157323		
148	62.4	50.8	76.2	
111	50.5	38.6	57.8	

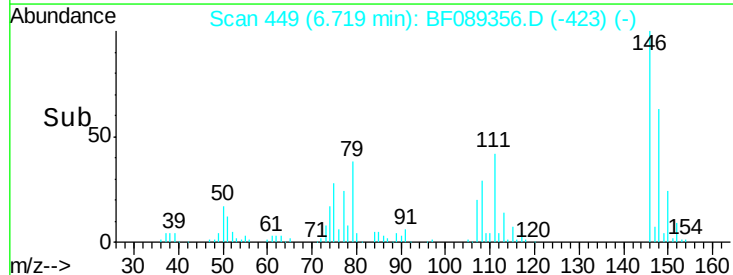
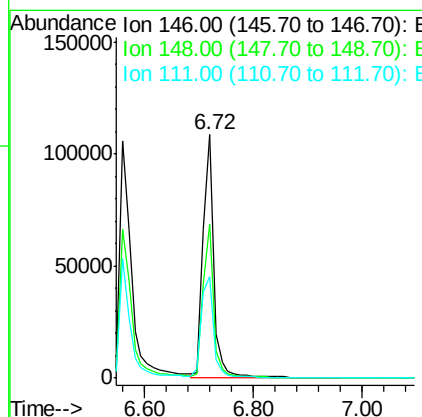
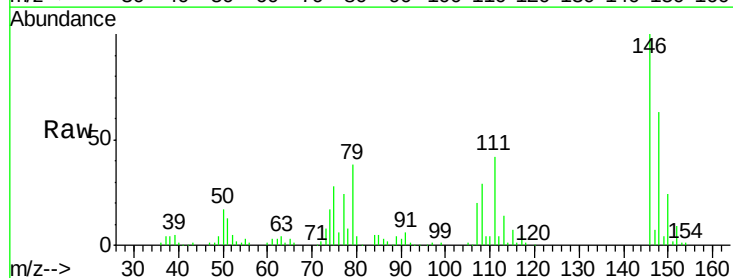
Manual Integrations

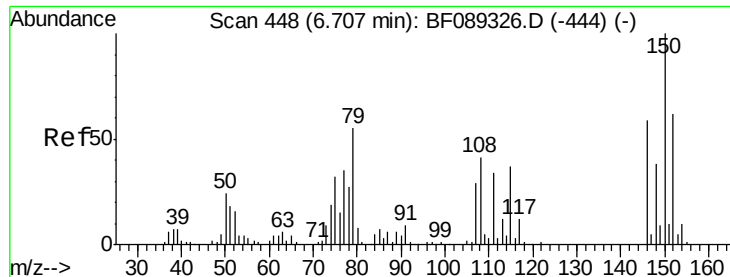
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#14
 1,2-Dichlorobenzene
 Concen: 41.94 ng
 RT: 6.72 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	150249		
148	63.4	50.4	75.6	
111	41.8	33.0	49.4	





#15

Benzyl Alcohol

Concen: 54.07 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampled :

I-4MS

Tgt Ion: 79 Resp: 129873

Ion Ratio Lower Upper

79 100

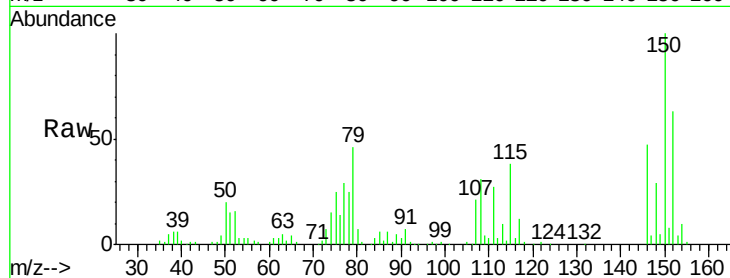
108 68.2 59.8 89.6

77 63.4 51.7 77.5

Manual Integrations

sohil

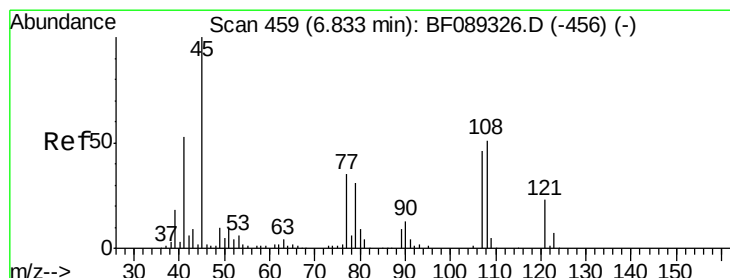
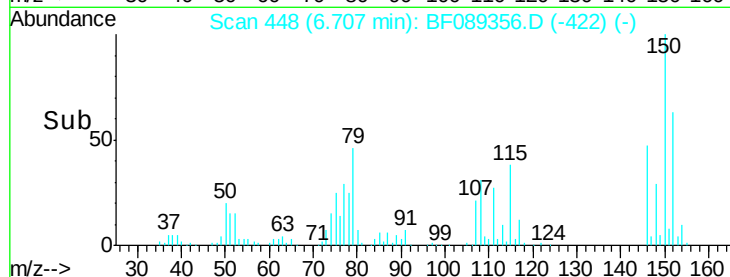
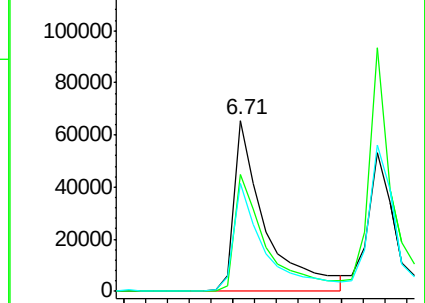
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Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.25 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.01 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

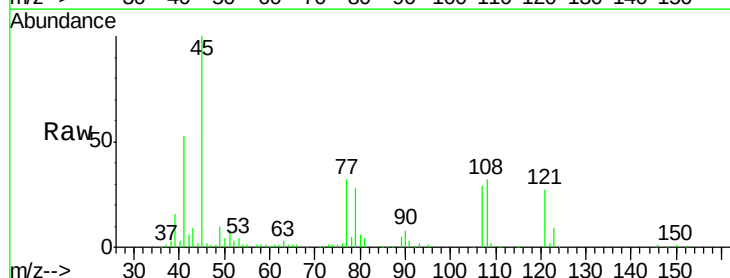
Tgt Ion: 45 Resp: 179104

Ion Ratio Lower Upper

45 100

77 31.9 17.3 57.3

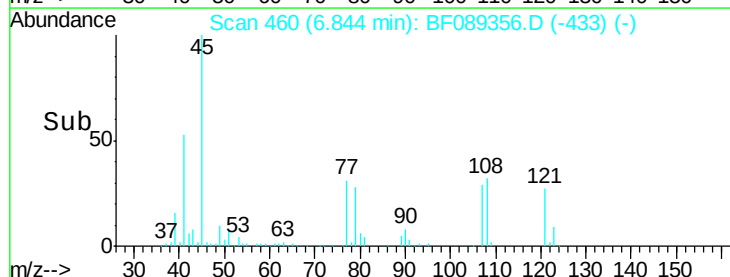
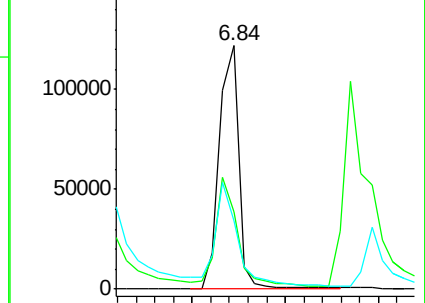
79 28.1 13.9 53.9

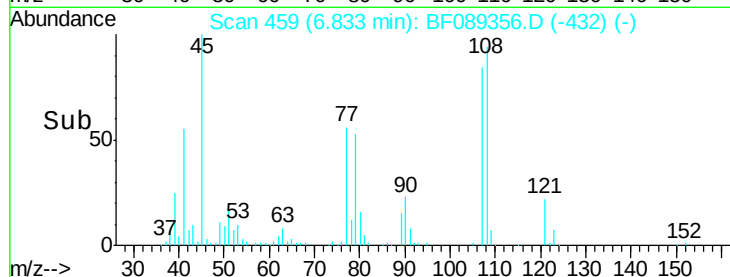
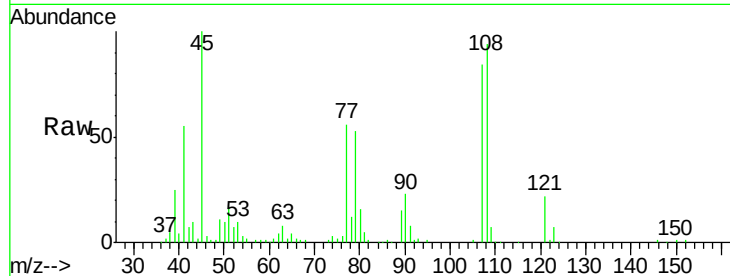
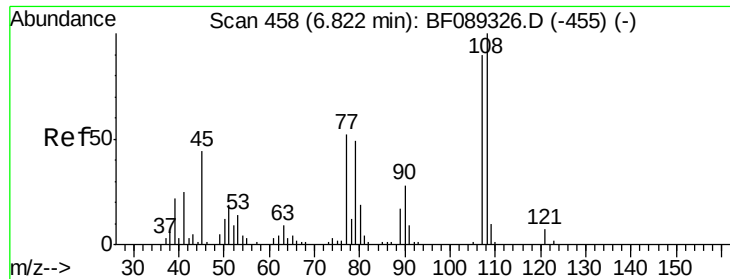


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

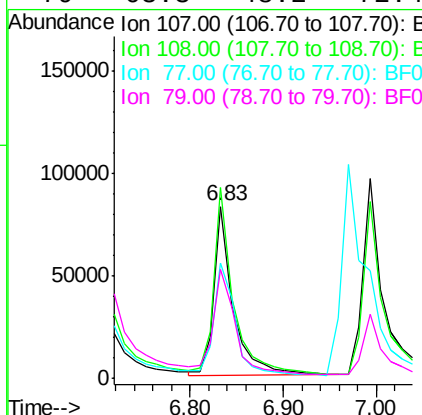
Ion 79.00 (78.70 to 79.70): BF0





#17
2-Methylphenol
Concen: 46.75 ng
RT: 6.83 min Scan# 459
Delta R.T. 0.01 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

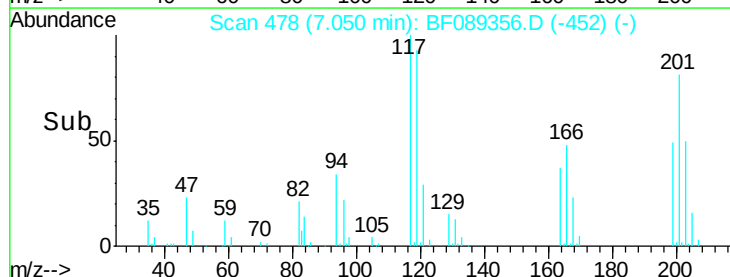
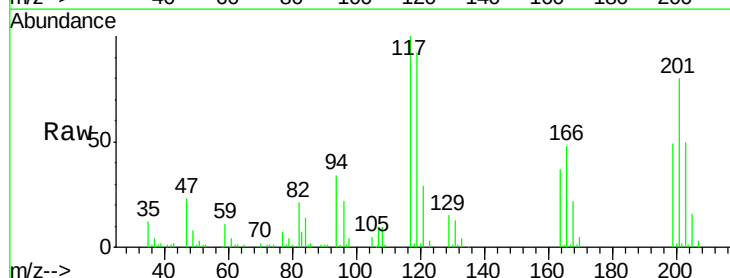
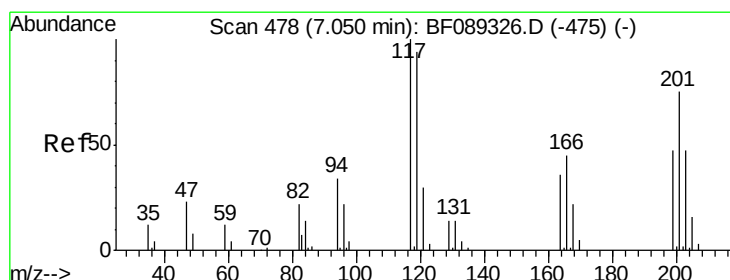
Tgt Ion:	107	Resp:	119692
Ion Ratio	Lower	Upper	
107	100		
108	111.3	91.4	137.0
77	66.7	48.6	73.0
79	63.3	48.2	72.4



Instrument :
BNA_F
ClientSampled :
I-4MS

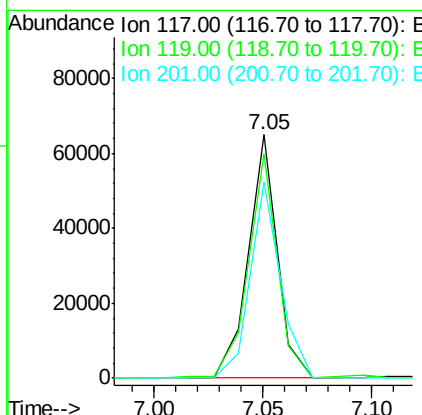
Manual Integrations

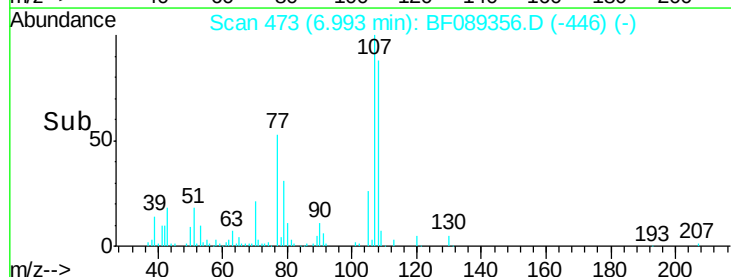
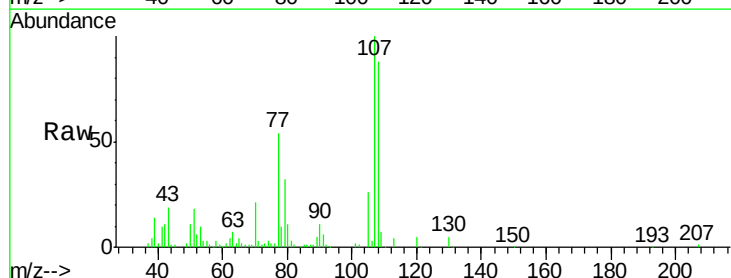
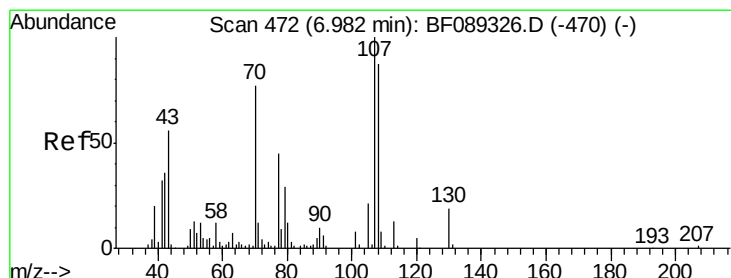
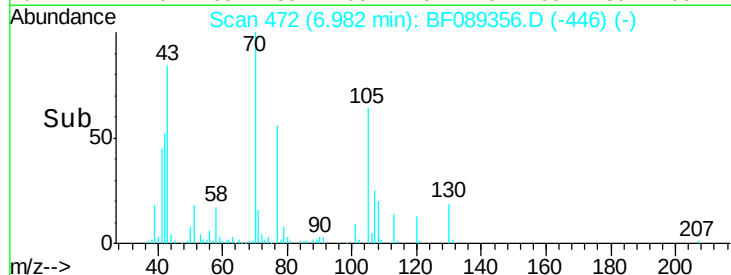
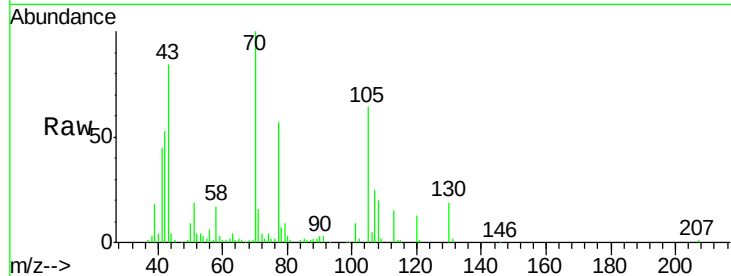
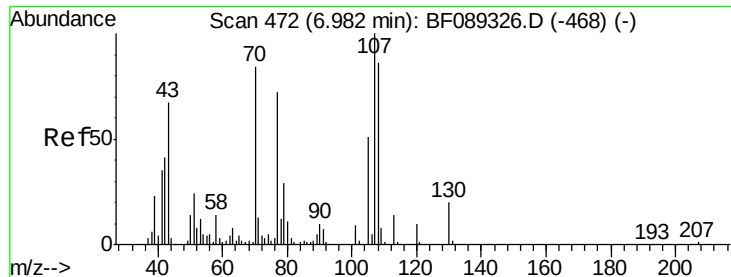
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#18
Hexachloroethane
Concen: 40.75 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion:	117	Resp:	59740
Ion Ratio	Lower	Upper	
117	100		
119	92.4	76.0	114.0
201	80.5	60.0	90.0

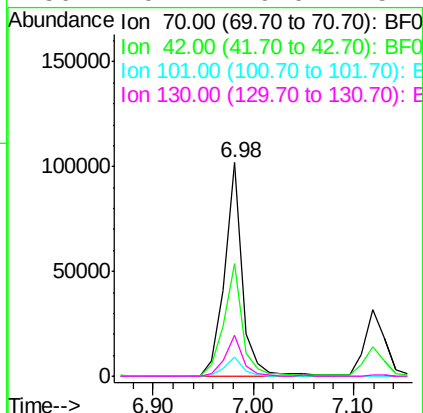




#19
n-Nitroso-di-n-propylamine
Concen: 54.28 ng
RT: 6.98 min Scan# 472
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampleId :
I-4MS

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.6	38.6	57.8	
101	9.3	8.3	12.5	
130	19.4	19.0	28.4	

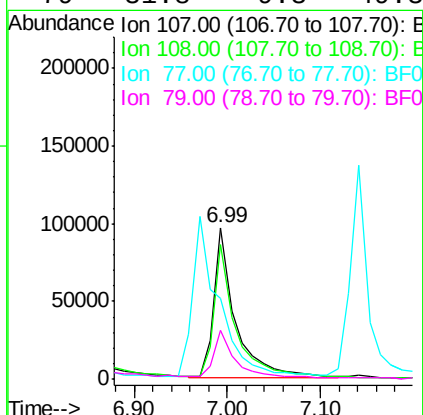


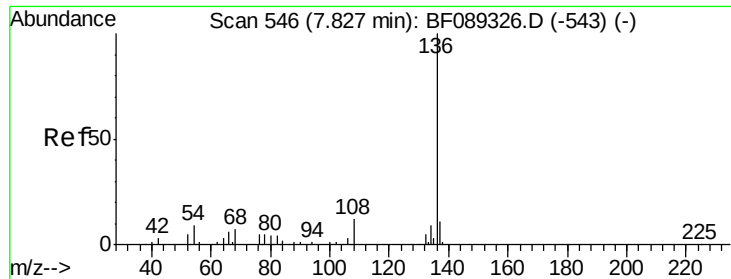
Manual Integrations

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#20
3+4-Methylphenols
Concen: 46.91 ng
RT: 6.99 min Scan# 473
Delta R.T. 0.01 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.4	63.3	103.3	
77	53.6	51.1	91.1	
79	31.8	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: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

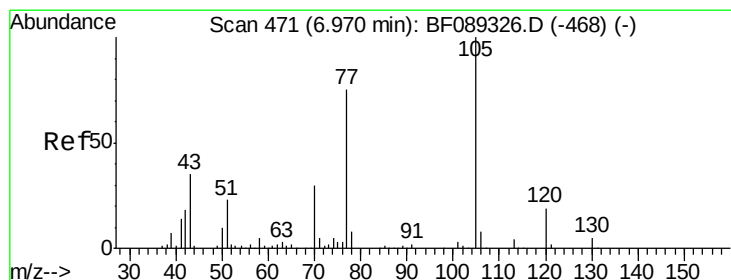
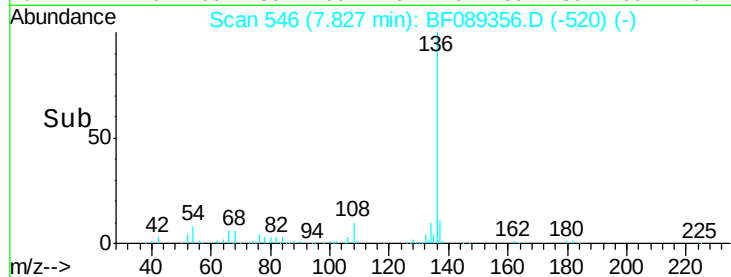
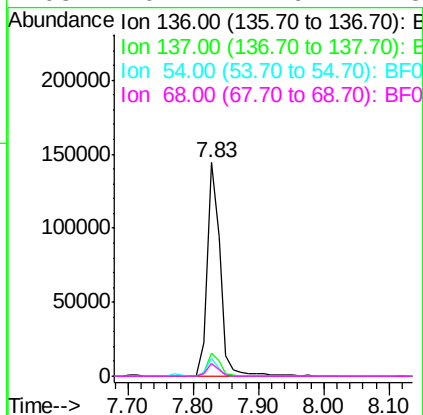
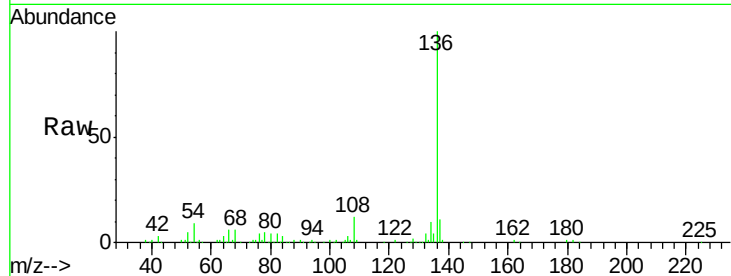
I-4MS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	200807		
137	11.0		8.6	13.0
54	8.5		7.0	10.4
68	6.2		4.9	7.3

Manual Integrations

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#22

Acetophenone

Concen: 44.40 ng

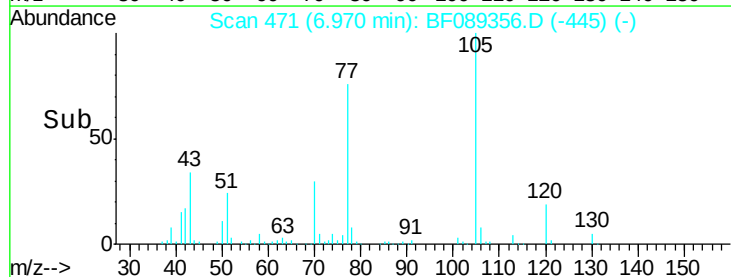
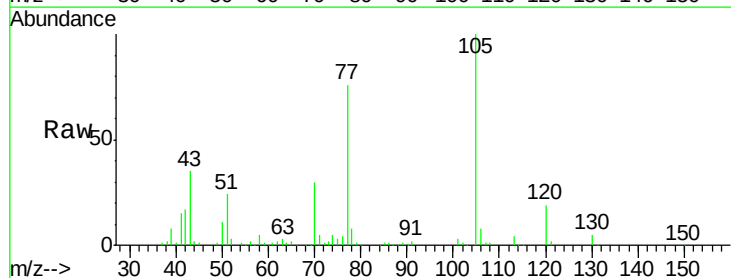
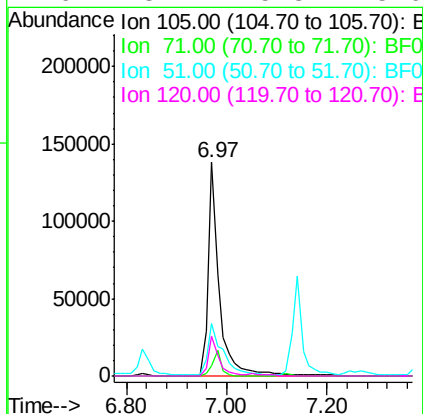
RT: 6.97 min Scan# 471

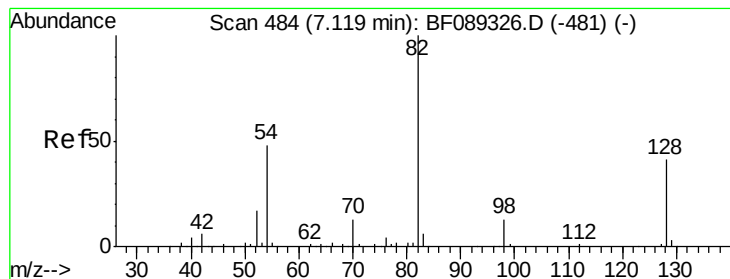
Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212259		
71	5.0		4.2	6.2
51	24.4		18.7	28.1
120	18.7		15.8	23.6





#23

Nitrobenzene-d5

Concen: 100.85 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampled :

I-4MS

Tgt Ion: 82 Resp: 343081

Ion Ratio Lower Upper

82 100

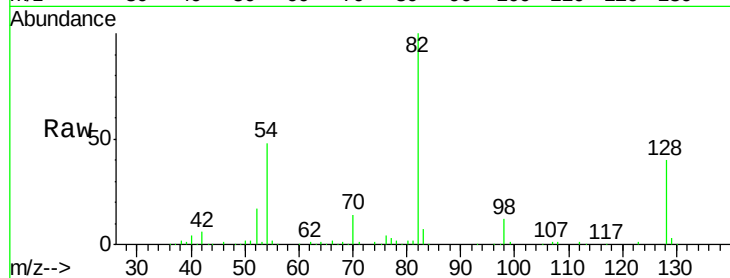
128 39.8 32.5 48.7

54 48.2 38.8 58.2

Manual Integrations

sohil

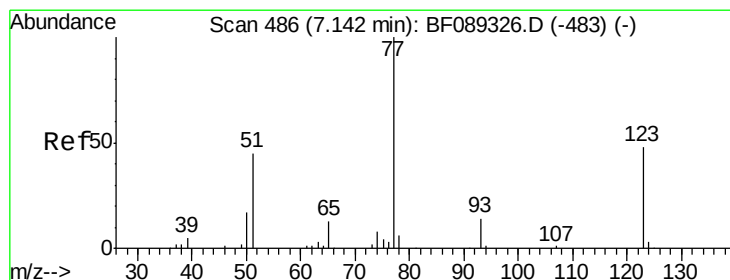
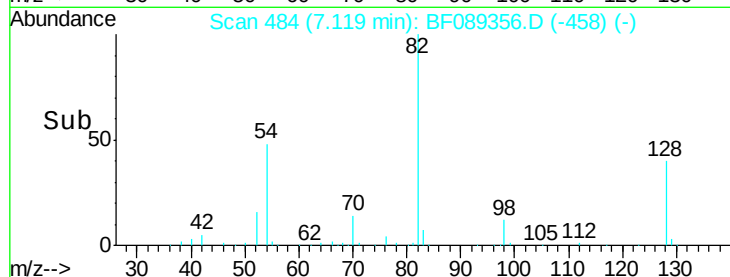
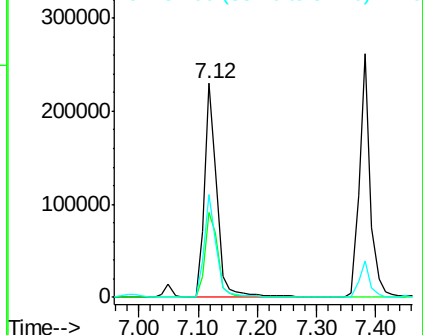
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 45.22 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

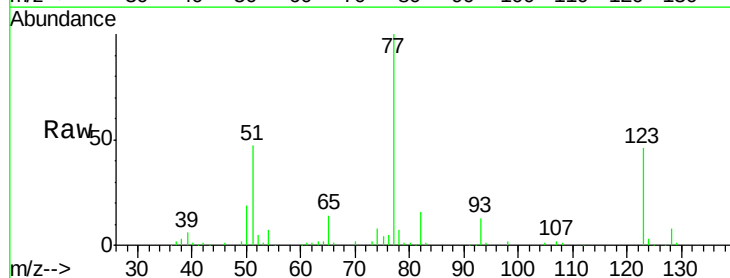
Tgt Ion: 77 Resp: 175098

Ion Ratio Lower Upper

77 100

123 45.8 37.2 55.8

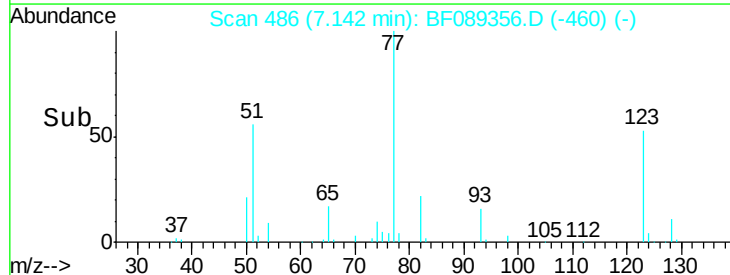
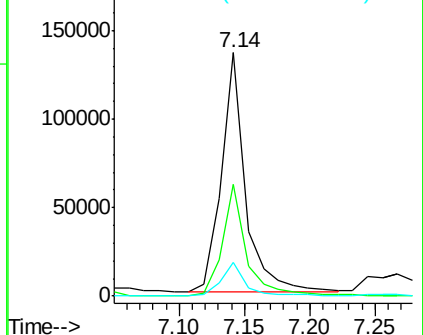
65 13.6 10.2 15.4

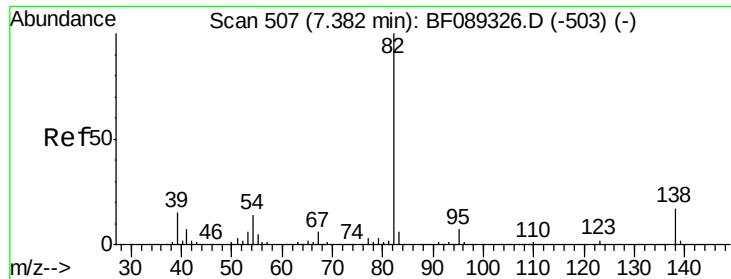


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 48.58 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

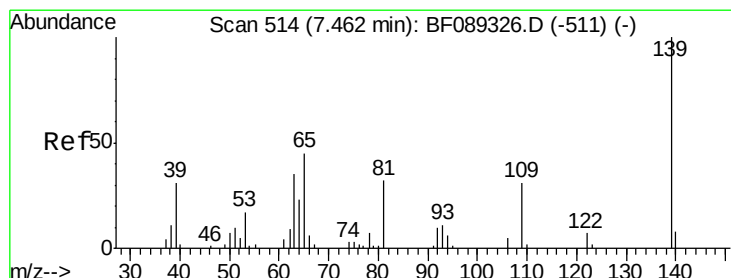
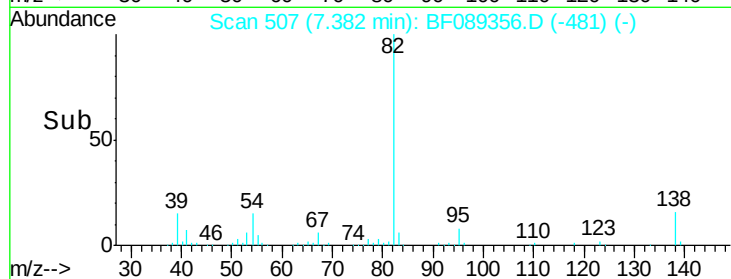
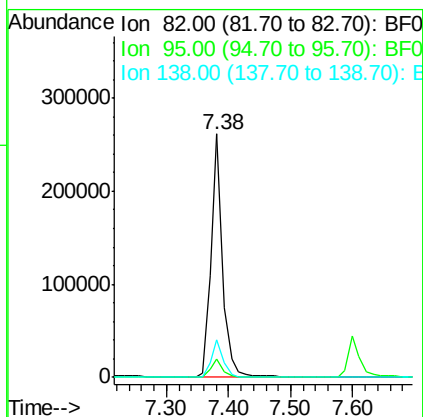
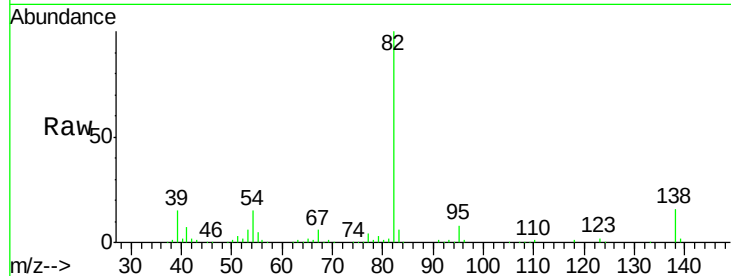
I-4MS

Tgt Ion:	82	Resp:	332905
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.0	9.0
138	15.7	13.3	19.9

Manual Integrations

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#26

2-Nitrophenol

Concen: 45.97 ng

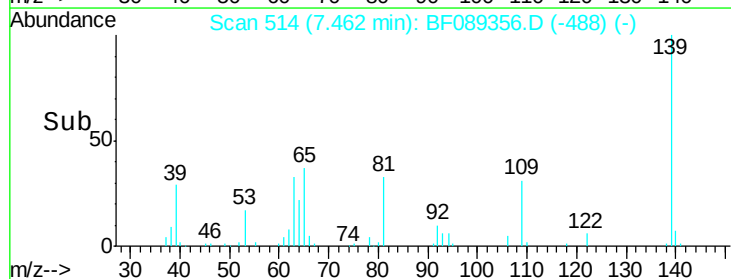
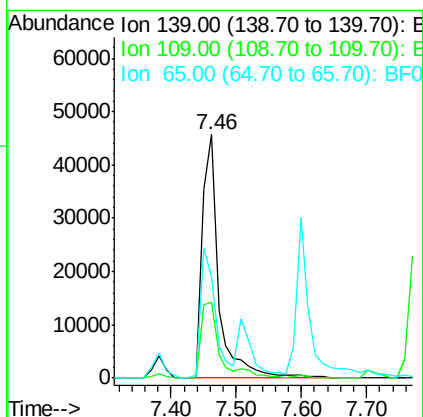
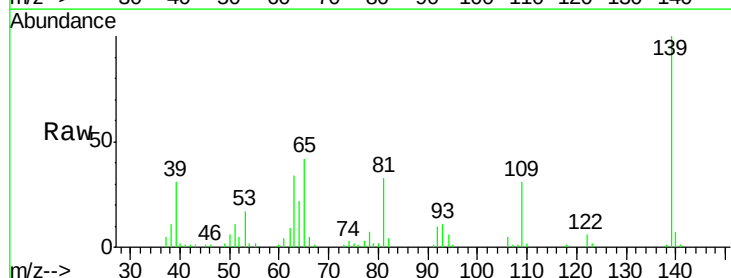
RT: 7.46 min Scan# 514

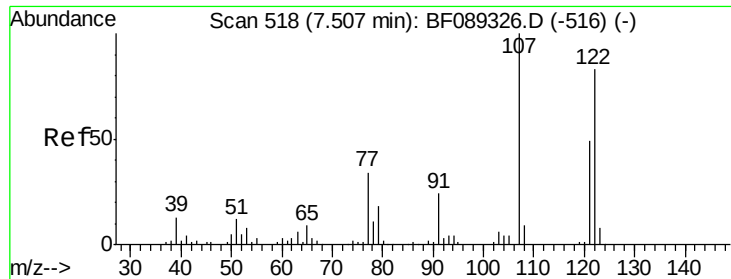
Delta R.T. 0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:	139	Resp:	79574
Ion Ratio	Lower	Upper	
139	100		
109	31.1	25.8	38.8
65	41.9	35.2	52.8





#27

2,4-Dimethylphenol

Concen: 46.22 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tgt Ion: 122 Resp: 127458

Ion Ratio Lower Upper

122 100

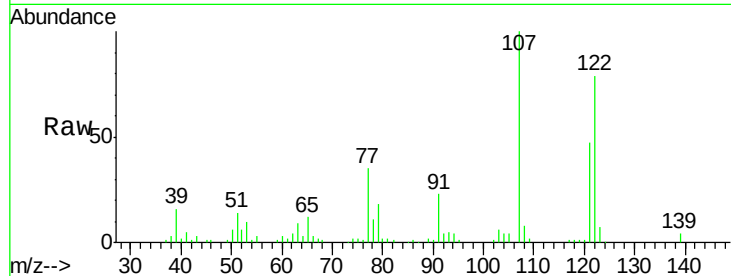
107 126.1 97.2 145.8

121 58.6 48.8 73.2

Manual Integrations

sohil

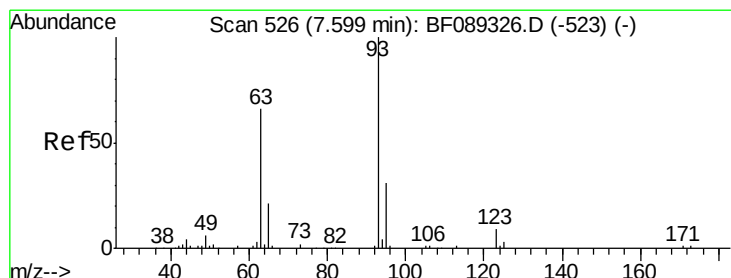
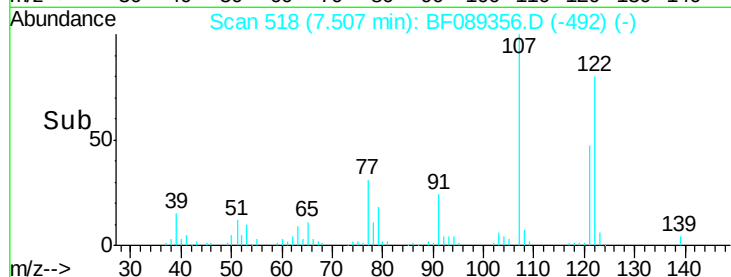
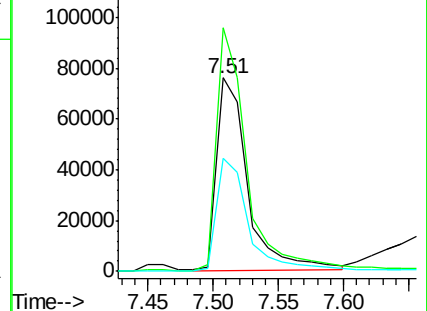
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 52.74 ng

RT: 7.60 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

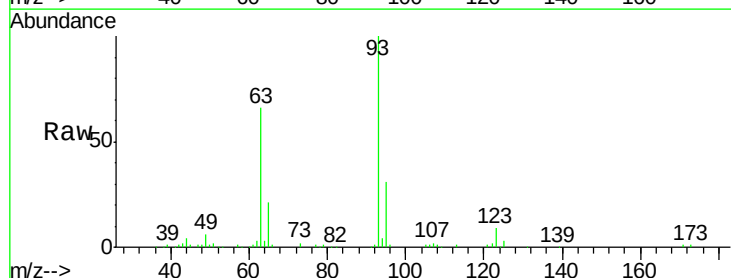
Tgt Ion: 93 Resp: 200062

Ion Ratio Lower Upper

93 100

95 31.4 24.7 37.1

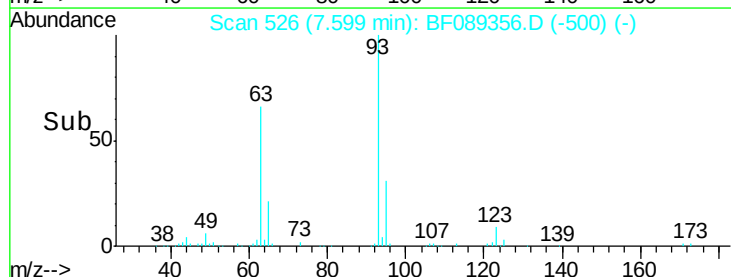
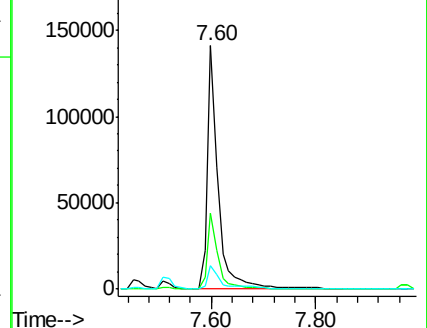
123 9.4 7.5 11.3

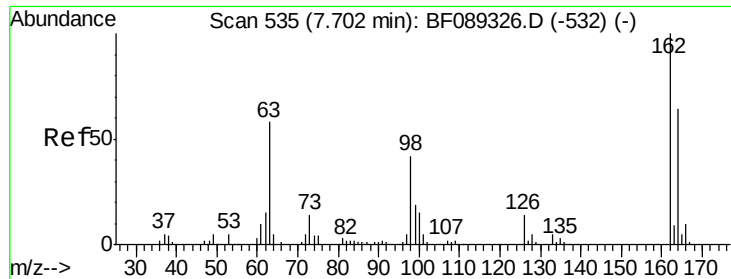


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





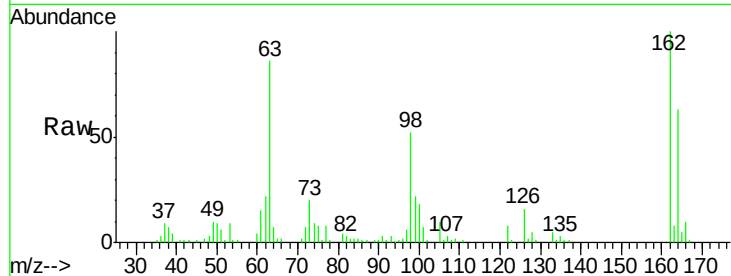
#29
2,4-Dichlorophenol
Concen: 50.86 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampled :
I-4MS

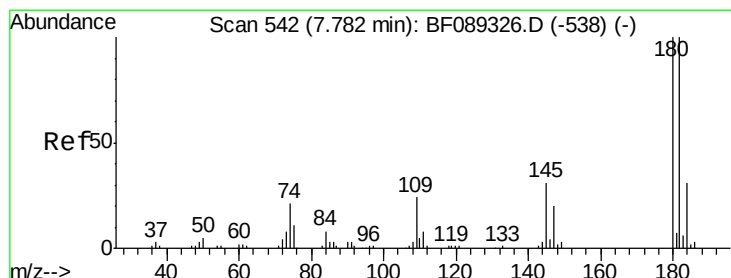
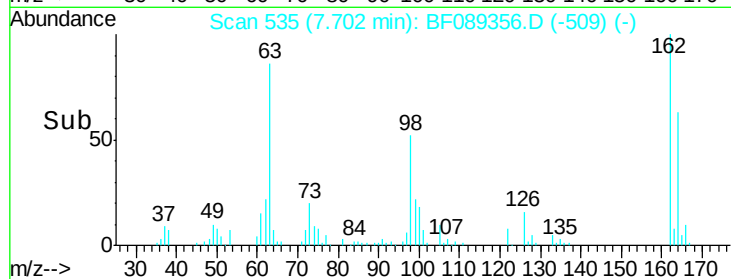
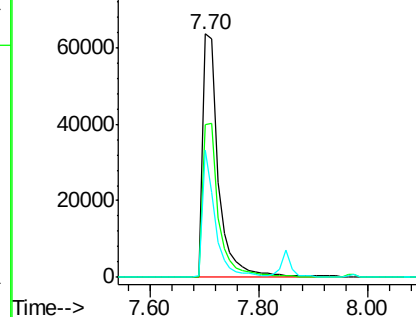
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	127799		
164	62.6	44.0	84.0	
98	52.1	21.8	61.8	

Manual Integrations

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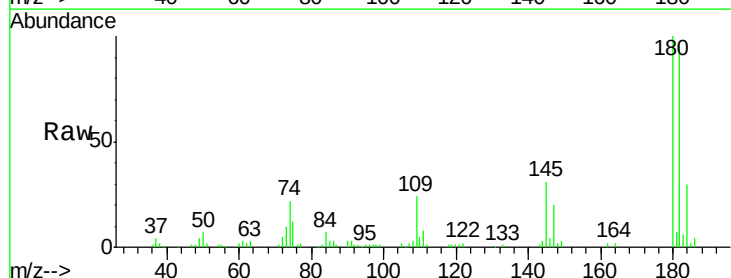


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

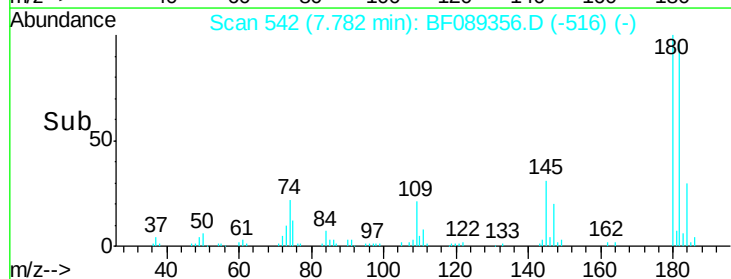
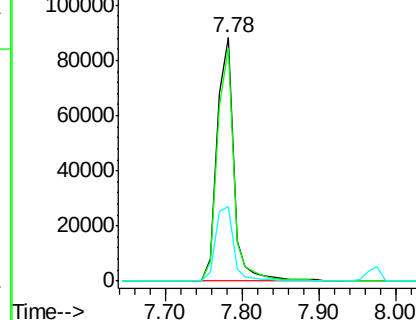


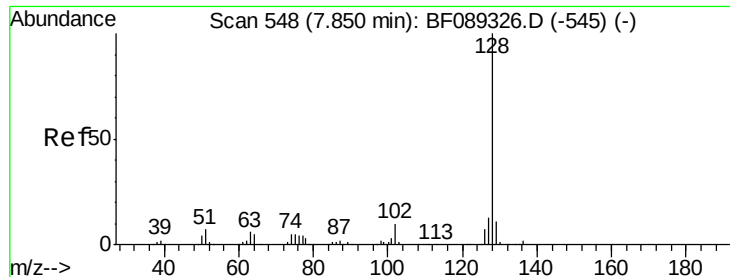
#30
1,2,4-Trichlorobenzene
Concen: 46.34 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	132861		
182	96.0	78.2	117.2	
145	30.8	24.6	36.8	



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 50.14 ng m

RT: 7.85 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampled :

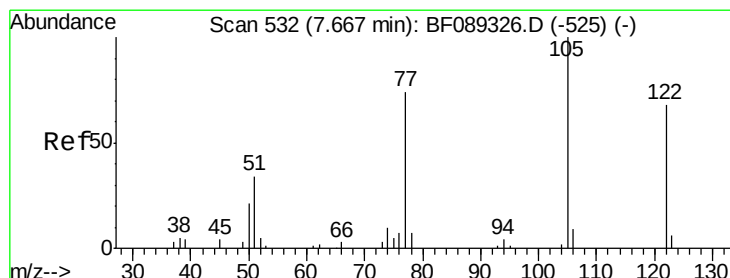
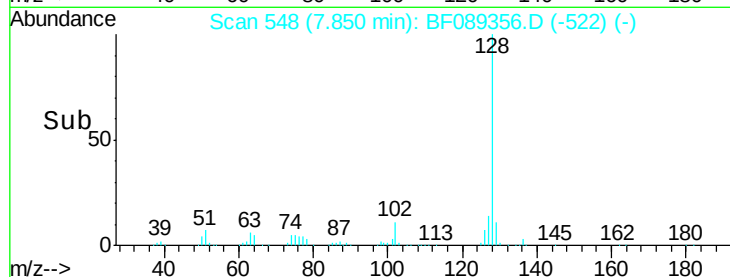
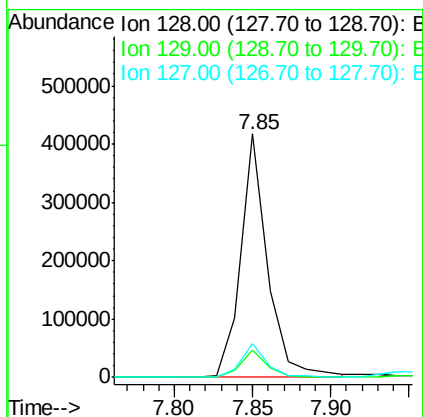
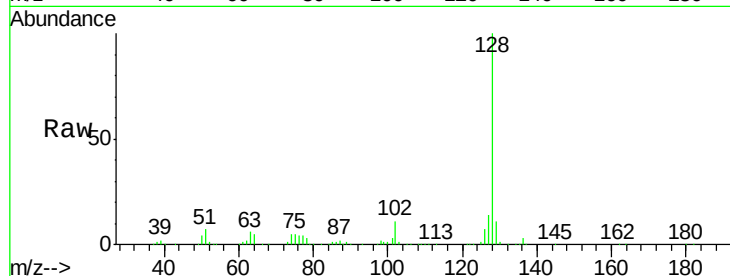
I-4MS

Tgt Ion:	128	Resp:	498543
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.8	13.2
127	13.7	10.8	16.2

Manual Integrations

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#32

Benzoic acid

Concen: 39.12 ng

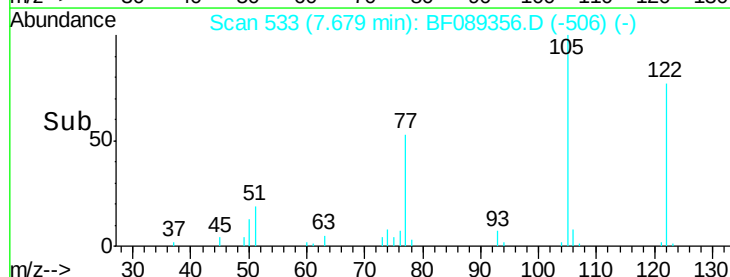
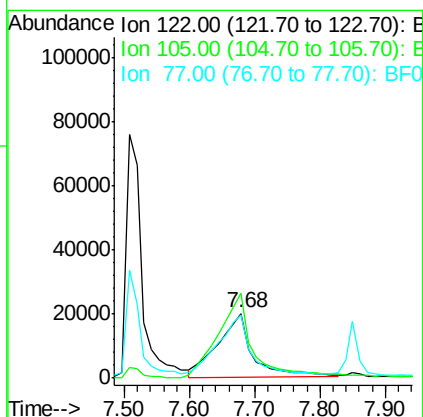
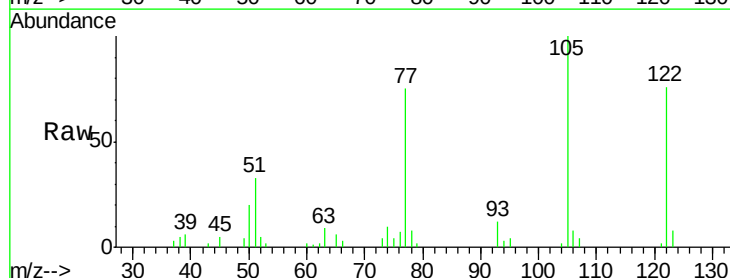
RT: 7.68 min Scan# 533

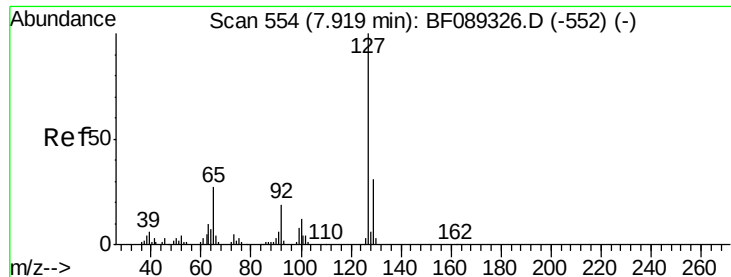
Delta R.T. 0.01 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:	122	Resp:	75184
Ion Ratio	Lower	Upper	
122	100		
105	131.2	106.4	146.4
77	98.2	76.4	116.4





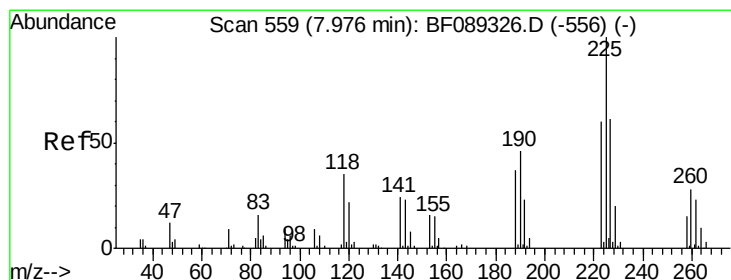
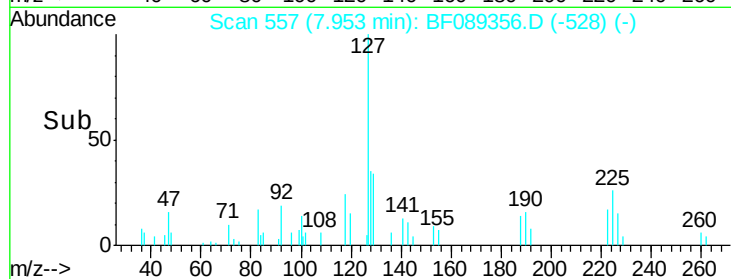
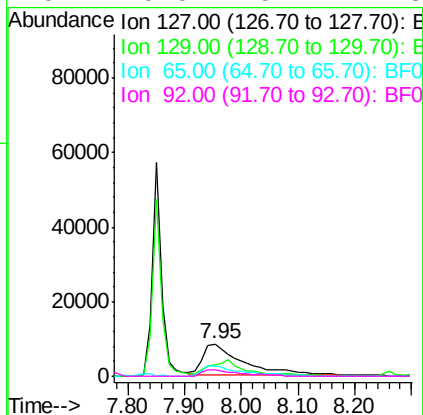
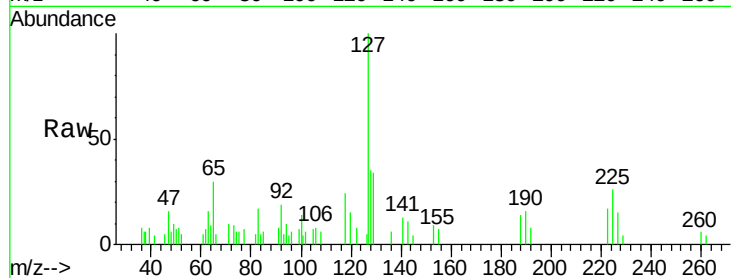
#33
4-Chloroaniline
Concen: 10.39 ng
RT: 7.95 min Scan# 557
Delta R.T. 0.03 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampleId :
I-4MS

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
127	100		39345		
129	34.5	26.1	39.1		
65	30.3	22.0	33.0		
92	19.0	15.2	22.8		

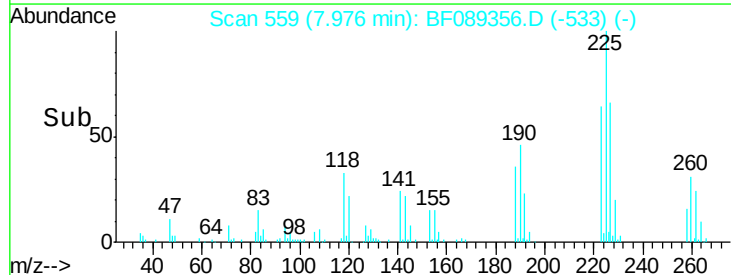
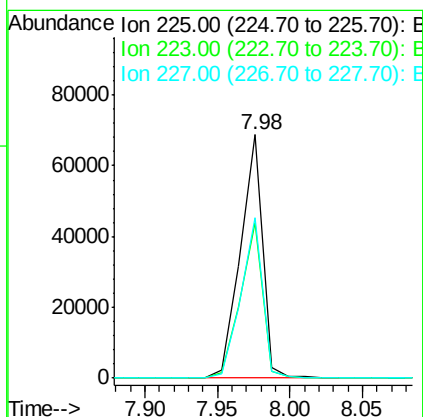
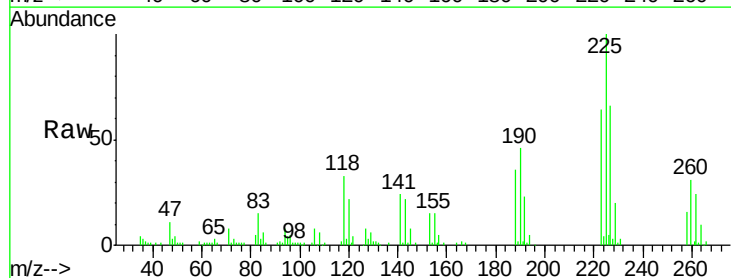
Manual Integrations

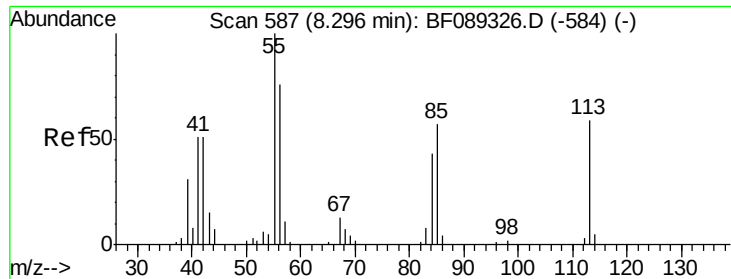
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#34
Hexachlorobutadiene
Concen: 44.47 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		73033		
223	64.0	49.8	74.8		
227	65.8	49.4	74.2		





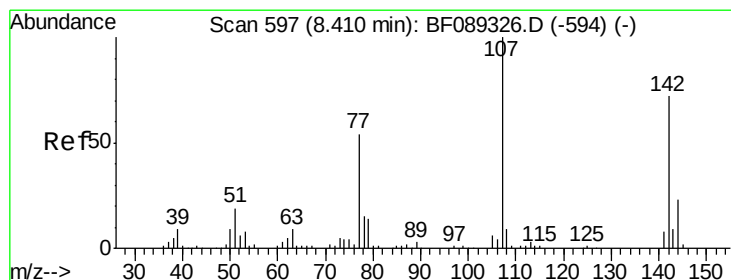
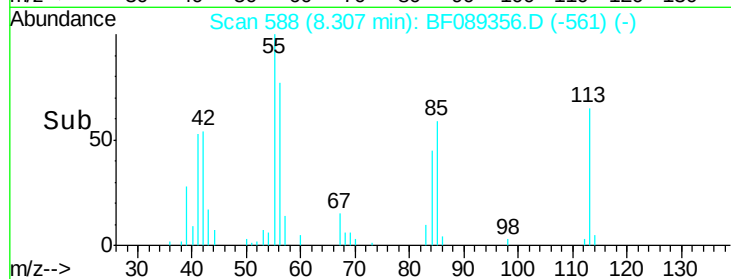
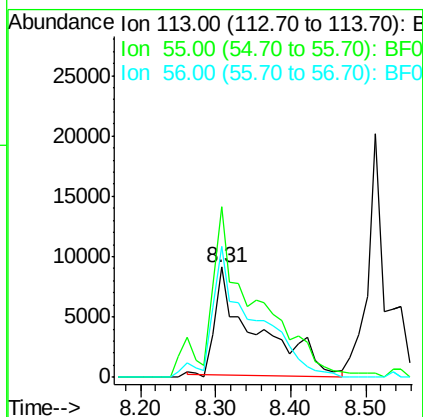
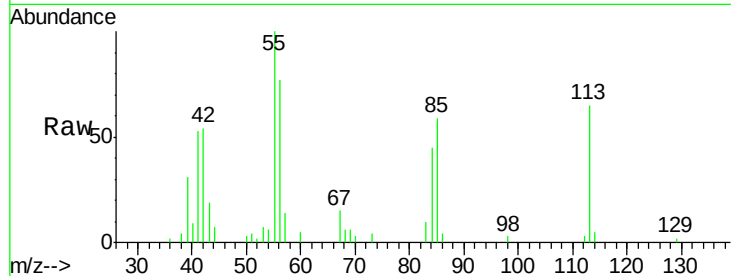
#35
 Caprolactam
 Concen: 44.74 ng m
 RT: 8.31 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampled :
 I-4MS

Tgt Ion:113 Resp: 33932
 Ion Ratio Lower Upper
 113 100
 55 154.4 142.3 182.3
 56 119.3 105.8 145.8

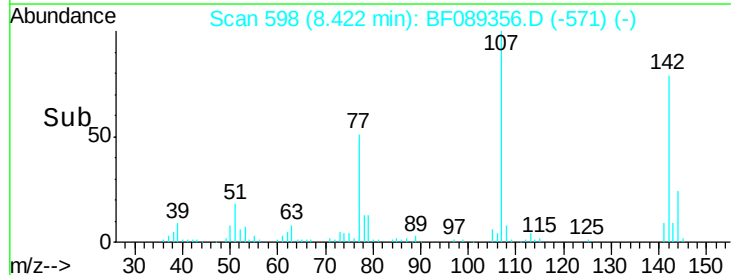
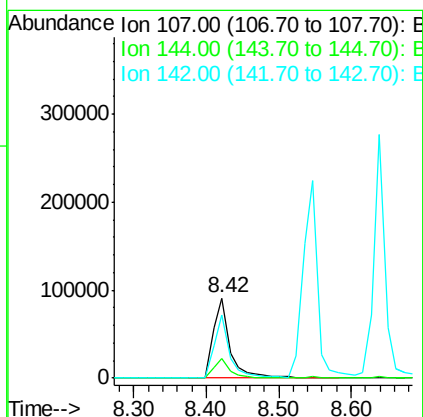
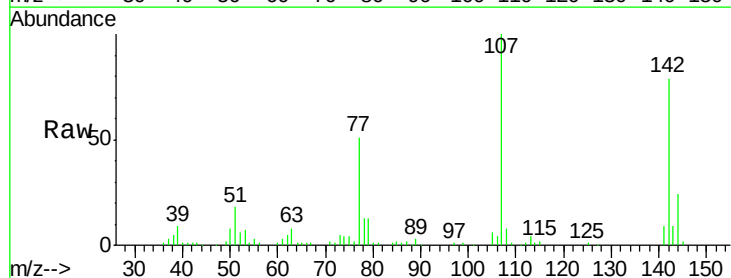
Manual Integrations

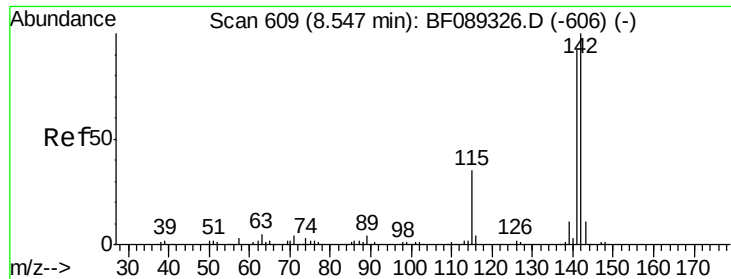
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#36
 4-Chloro-3-methylphenol
 Concen: 49.75 ng
 RT: 8.42 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion:107 Resp: 148573
 Ion Ratio Lower Upper
 107 100
 144 24.2 18.4 27.6
 142 78.8 58.6 87.8





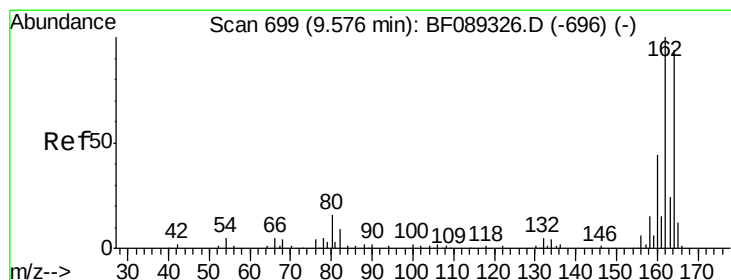
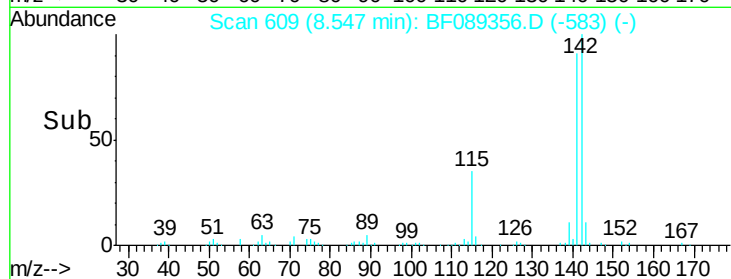
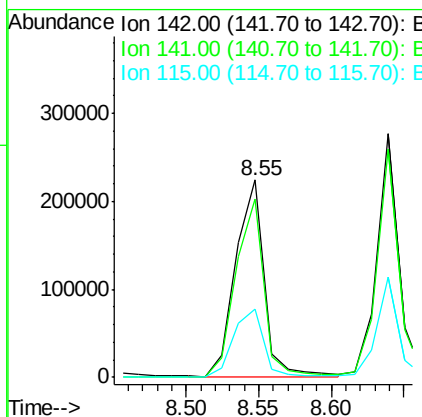
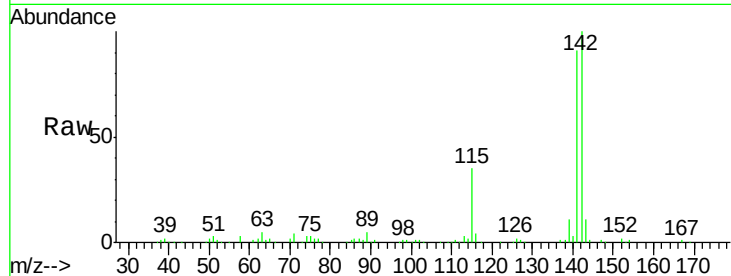
#37
 2-Methylnaphthalene
 Concen: 51.39 ng
 RT: 8.55 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.9	106.3
115	34.9	27.6	41.4

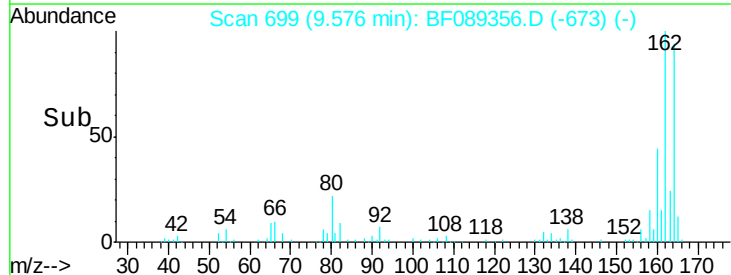
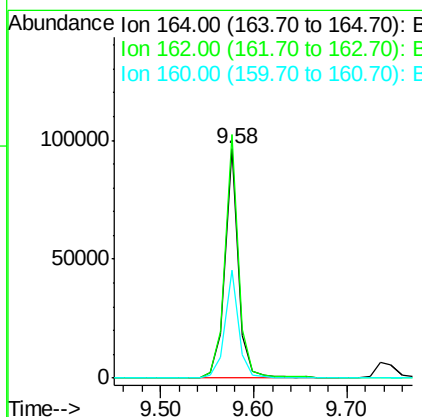
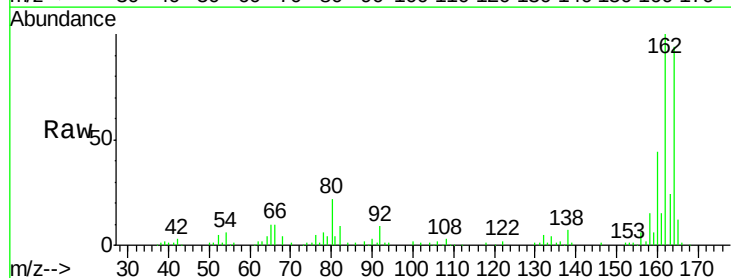
Manual Integrations

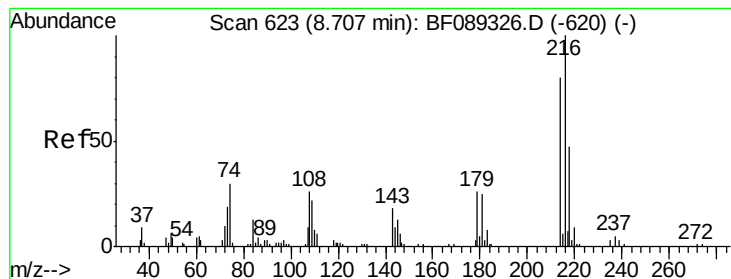
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.7	125.5
160	46.9	37.8	56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.19 ng

RT: 8.71 min Scan# 623

Delta R.T. -0.00 min

Lab File: BF089356.D

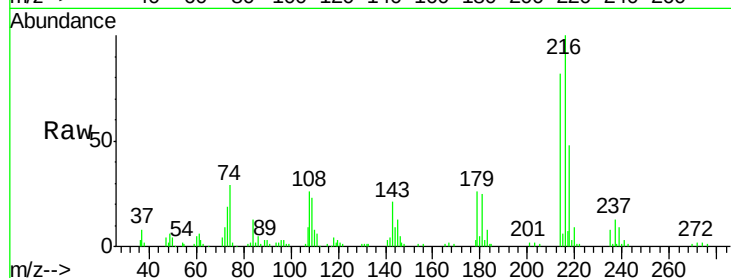
Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS



Tgt Ion: 216 Resp: 115532

Ion Ratio Lower Upper

216 100

214 79.2 63.3 94.9

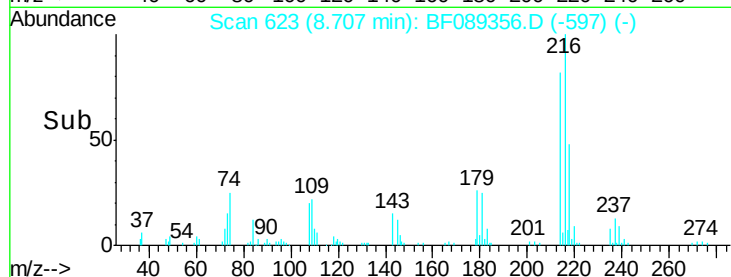
179 23.0 18.1 27.1

108 24.1 17.2 25.8

Manual Integrations

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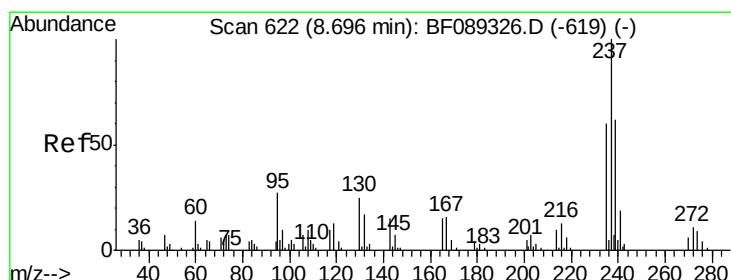
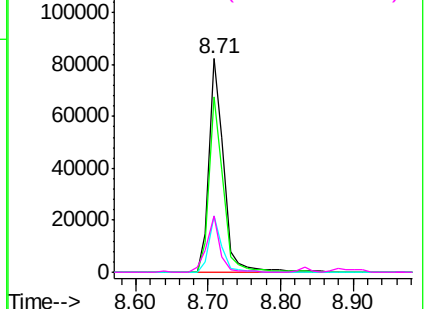


Abundance Ion 216.00 (215.70 to 216.70): E

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: 94.99 ng

RT: 8.70 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

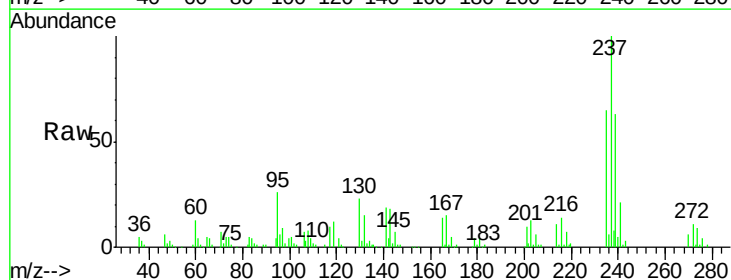
Tgt Ion: 237 Resp: 93303

Ion Ratio Lower Upper

237 100

235 64.5 41.6 81.6

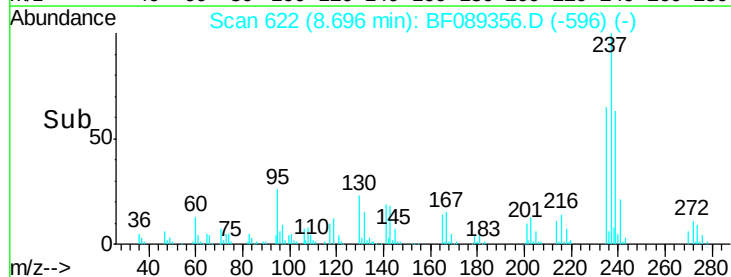
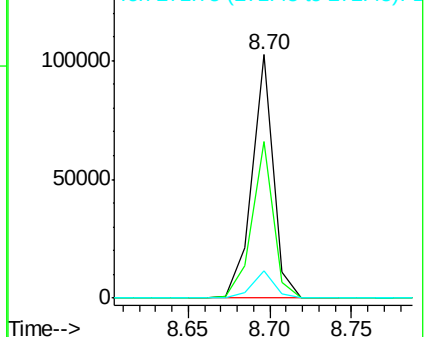
272 11.3 0.0 30.8

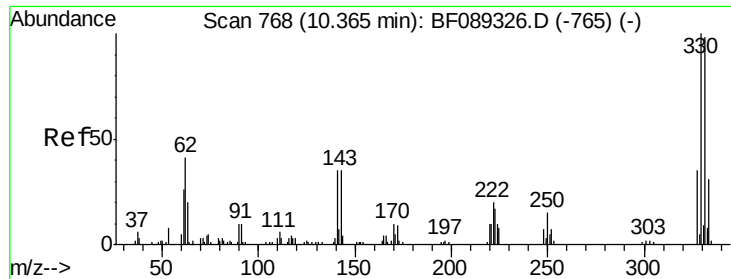


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

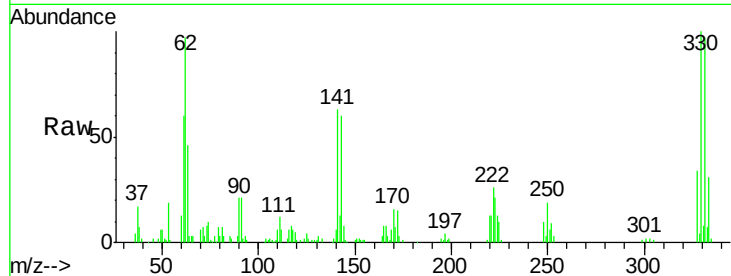
Ion 271.75 (271.45 to 272.45): E





#41
 2,4,6-Tribromophenol
 Concen: 137.66 ng
 RT: 10.36 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

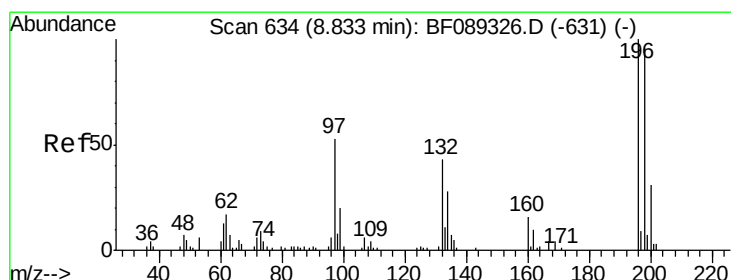
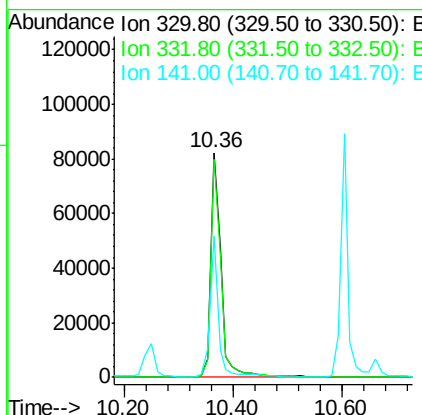
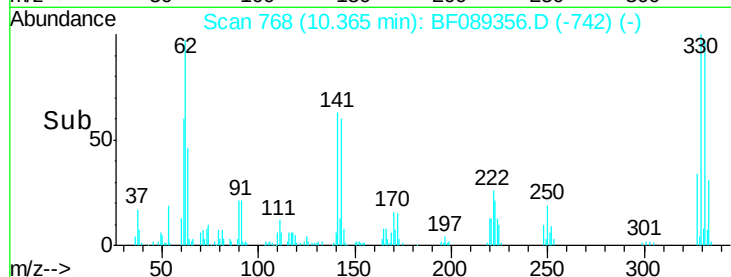
Instrument :
 BNA_F
 ClientSampled :
 I-4MS



Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.8	115.2
141	52.8	37.3	55.9

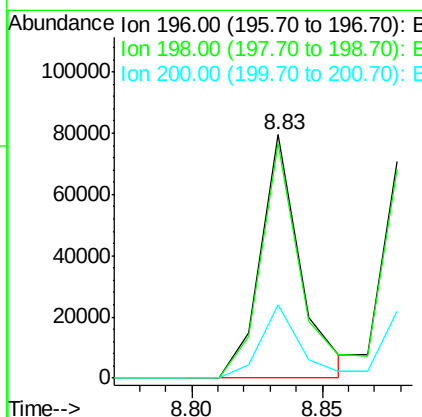
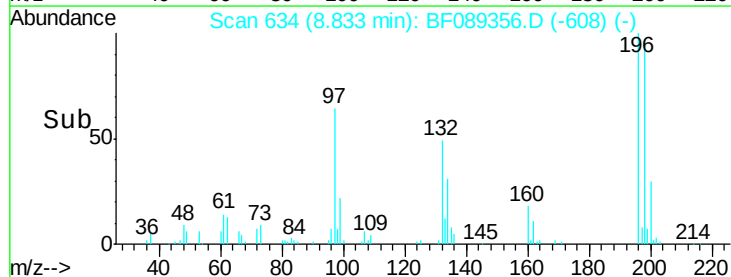
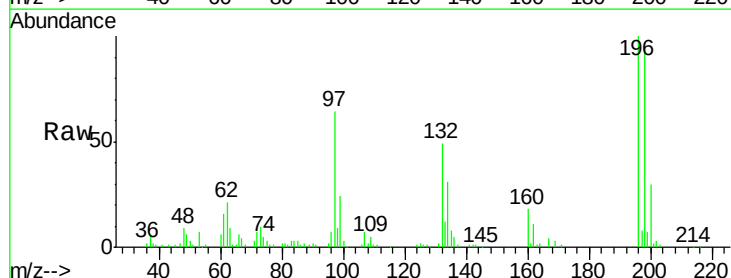
Manual Integrations

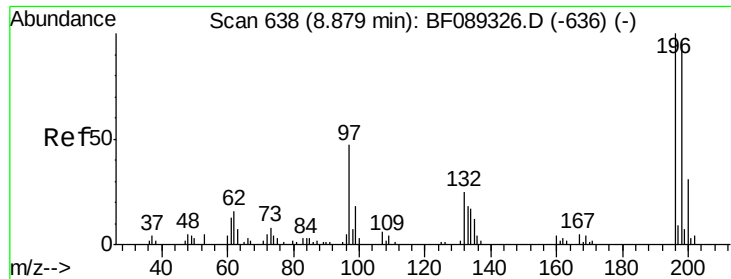
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#42
 2,4,6-Trichlorophenol
 Concen: 51.95 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

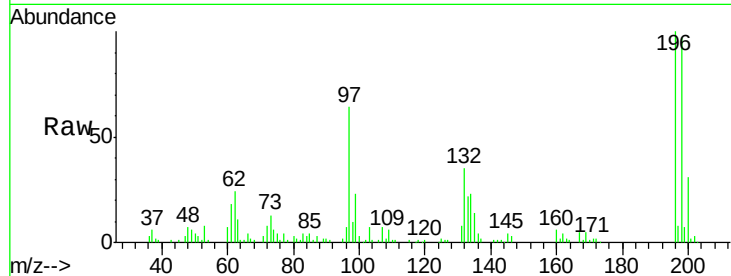
Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.6	75.5	113.3
200	30.4	23.9	35.9





#43
 2,4,5-Trichlorophenol
 Concen: 51.74 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

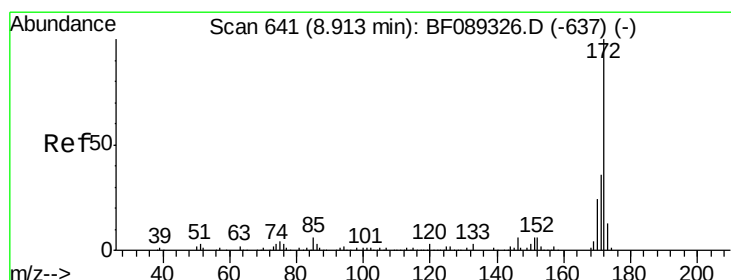
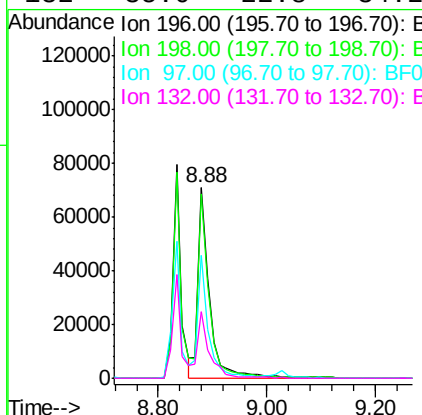
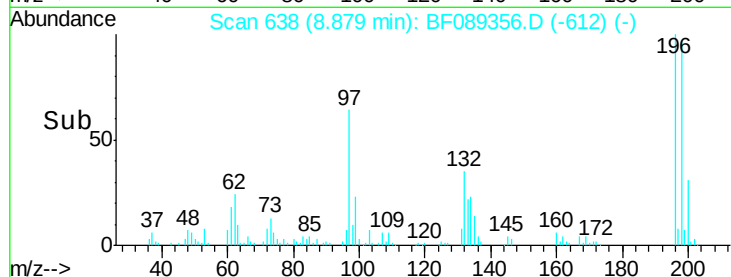
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	105281		
198	96.7	78.7	118.1	
97	64.4	39.7	59.5	
132	35.0	22.8	34.2	

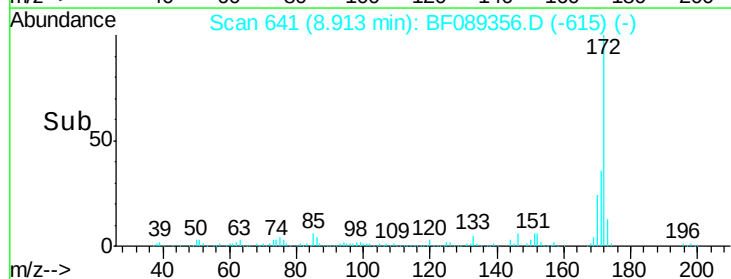
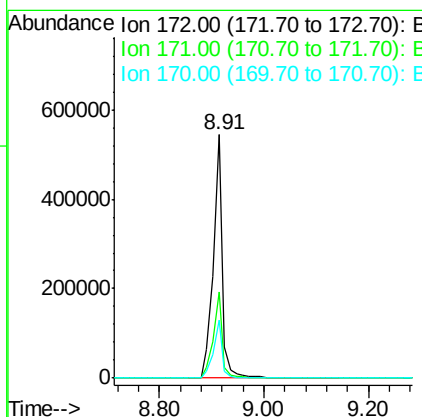
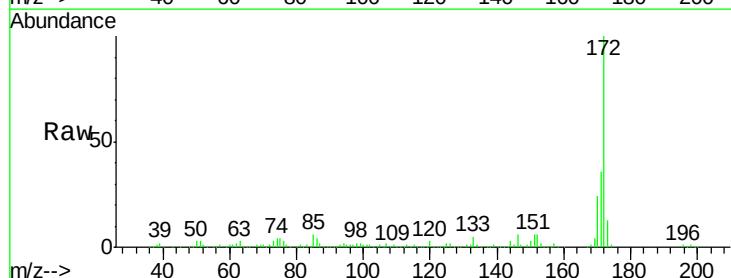
Manual Integrations

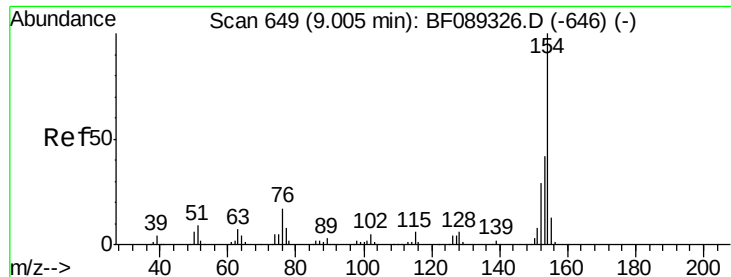
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#44
 2-Fluorobiphenyl
 Concen: 100.03 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	658101		
171	35.5	29.2	43.8	
170	23.6	19.2	28.8	





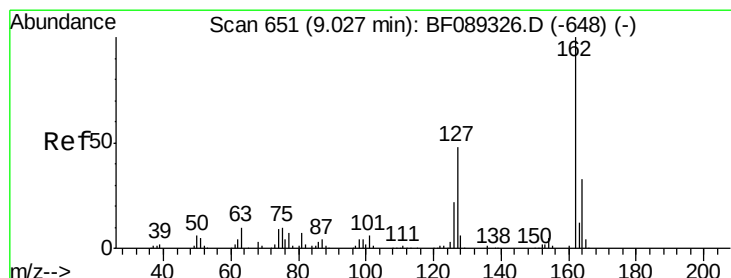
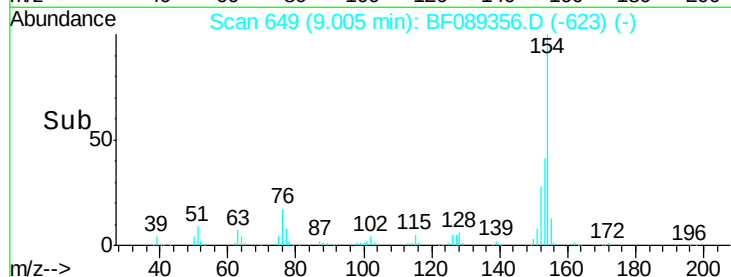
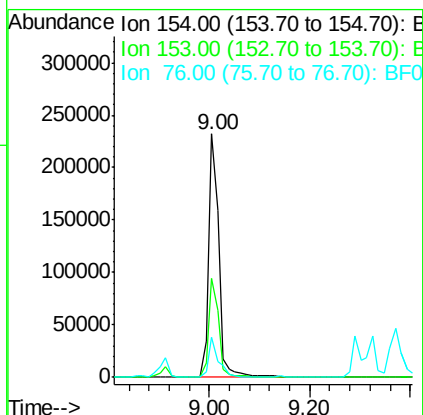
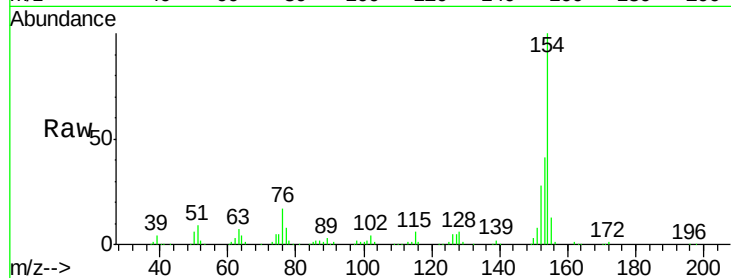
#45
 1,1'-Biphenyl
 Concen: 39.65 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.0	61.0
76	16.5	0.0	36.6

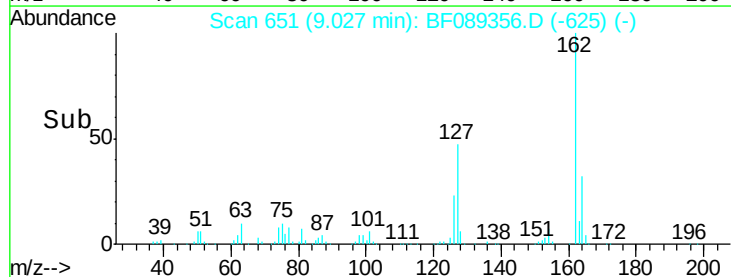
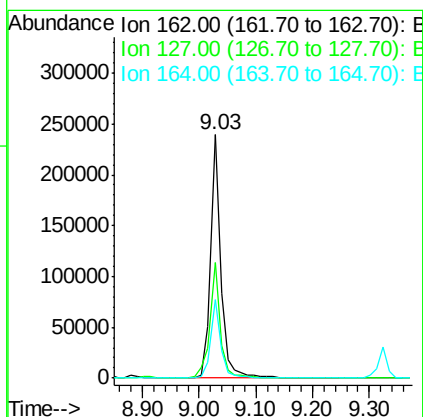
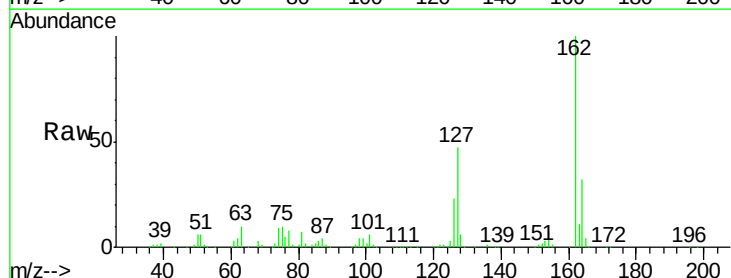
Manual Integrations

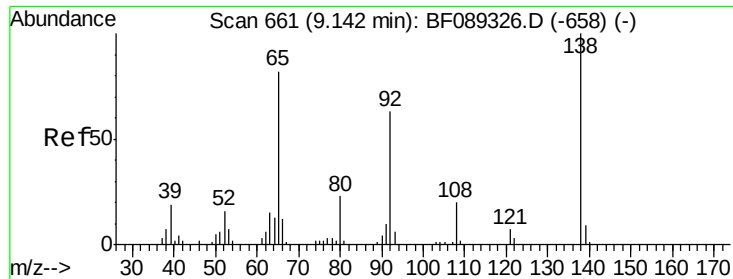
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#46
 2-Chloronaphthalene
 Concen: 47.18 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
162	100		
127	47.3	37.8	56.8
164	32.2	25.8	38.8





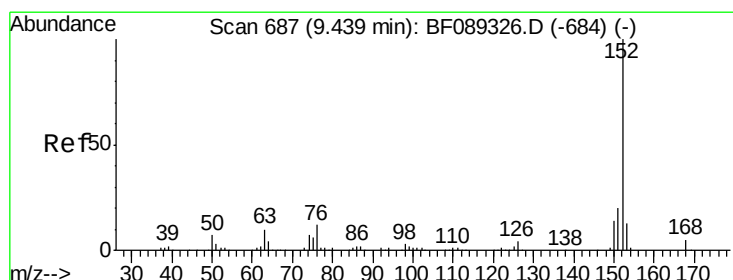
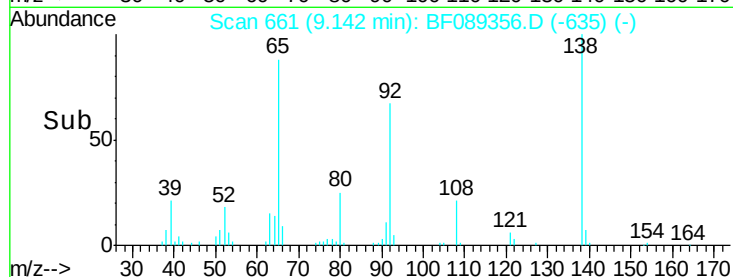
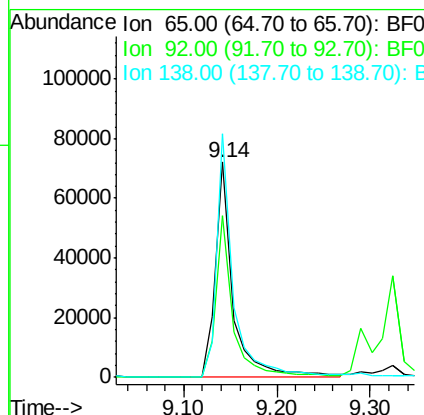
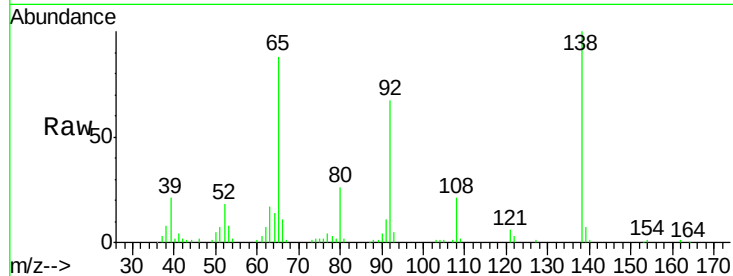
#47
2-Nitroaniline
Concen: 52.41 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampled :
I-4MS

Tgt Ion: 65 Resp: 95831
Ion Ratio Lower Upper
65 100
92 75.3 61.0 91.4
138 113.0 99.1 148.7

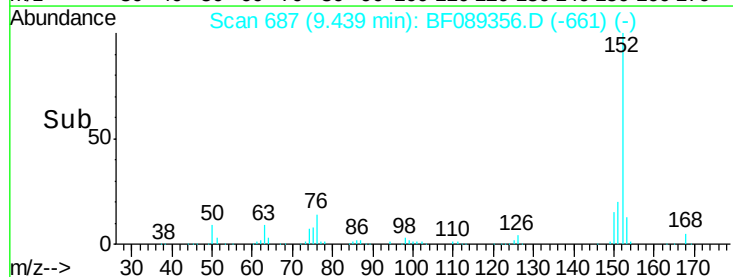
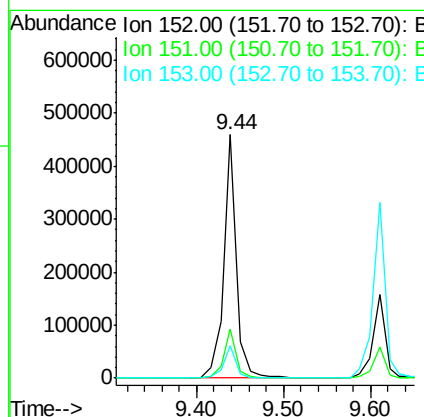
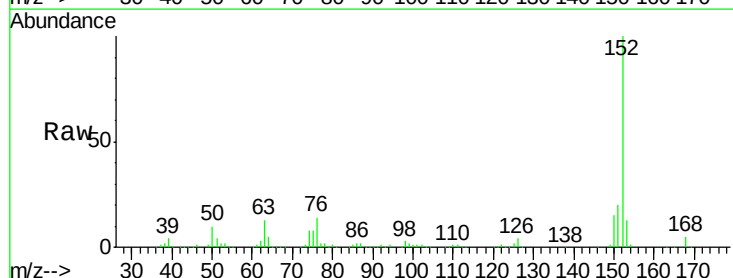
Manual Integrations

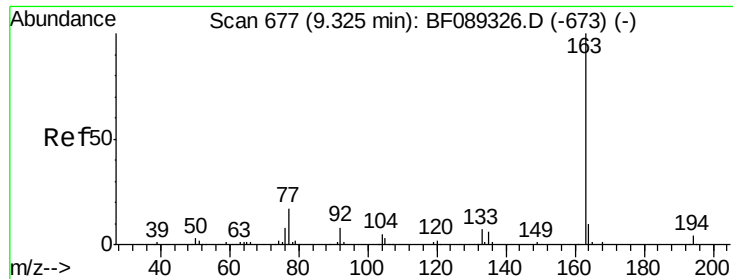
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#48
Acenaphthylene
Concen: 48.56 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion: 152 Resp: 472214
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 13.3 10.2 15.4





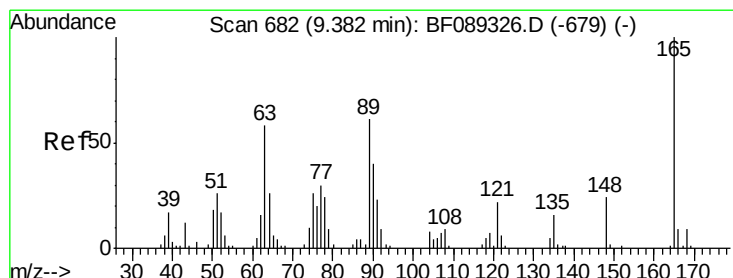
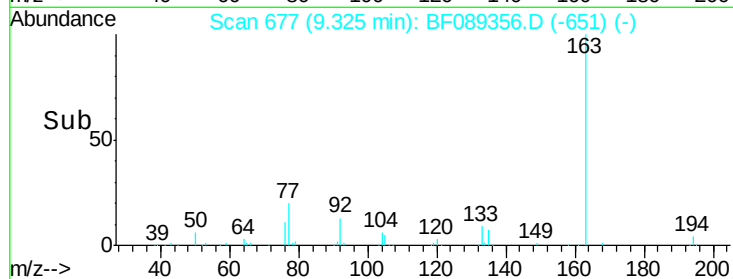
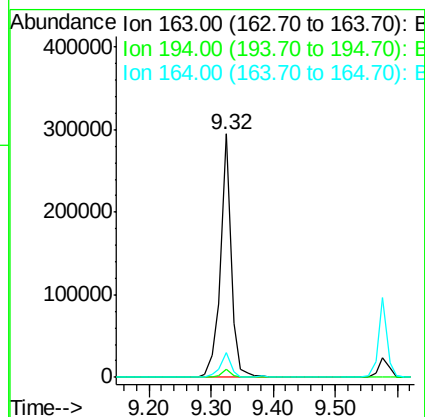
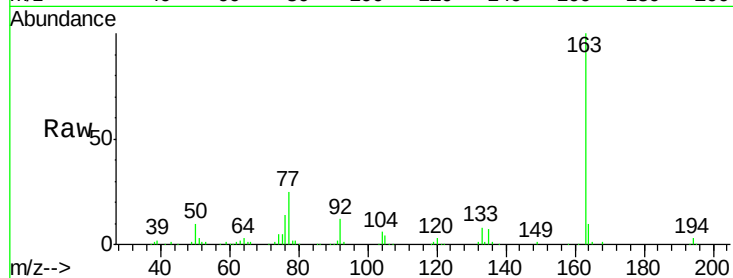
#49
Dimethylphthalate
Concen: 47.21 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampleId :
I-4MS

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	346884		
194	3.2		2.8	4.2
164	10.3		7.8	11.8

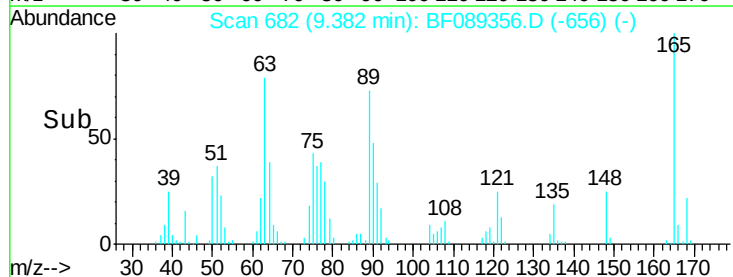
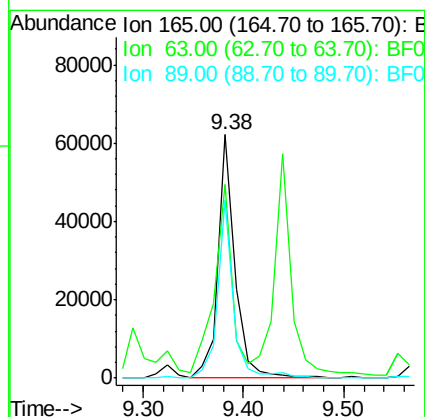
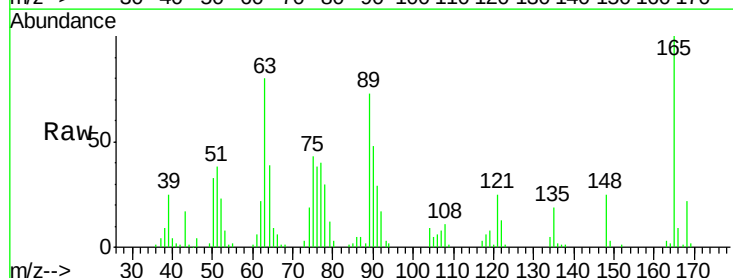
Manual Integrations

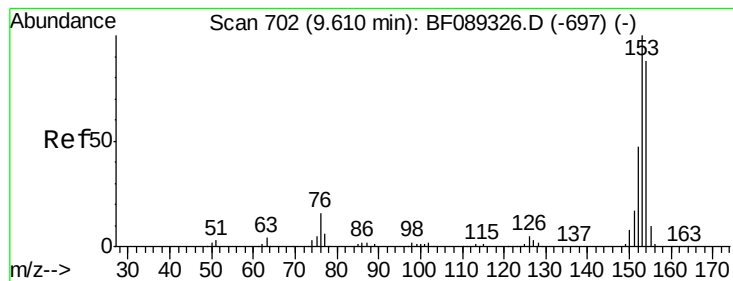
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#50
2,6-Dinitrotoluene
Concen: 48.61 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	73394		
63	79.6		43.5	65.3#
89	73.4		45.0	67.4#





#51

Acenaphthene

Concen: 50.17 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

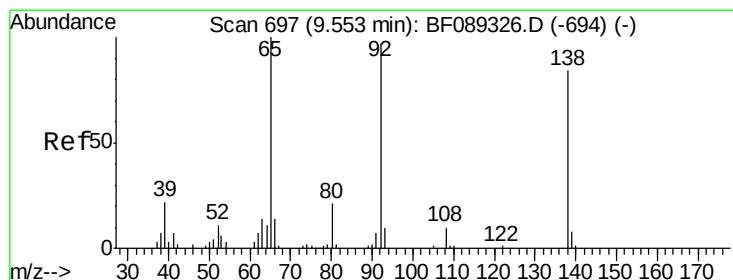
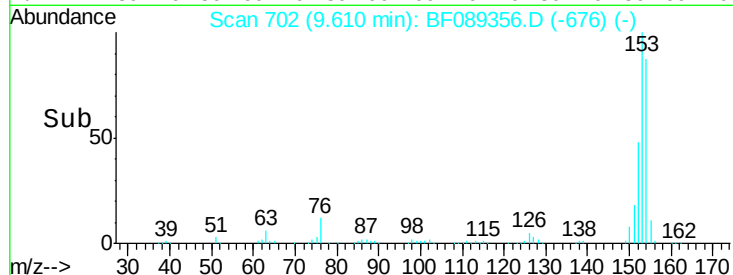
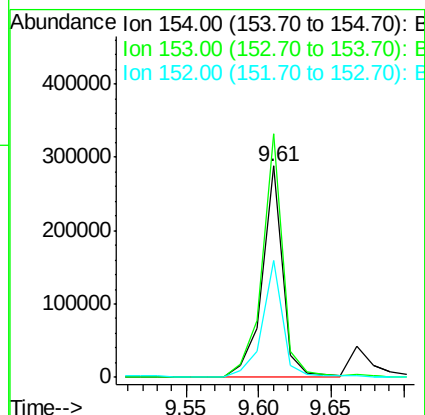
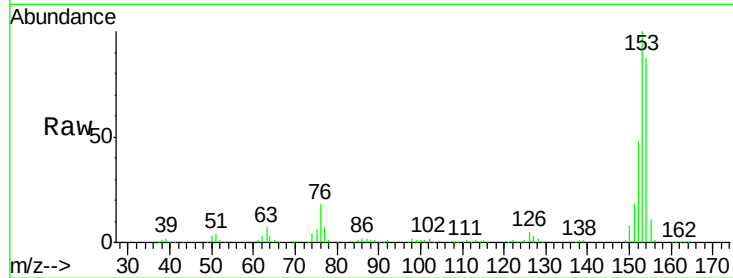
I-4MS

Tgt Ion:	154	Resp:	284897
Ion Ratio	Lower	Upper	
154	100		
153	115.1	91.4	137.2
152	55.0	43.8	65.6

Manual Integrations

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#52

3-Nitroaniline

Concen: 27.53 ng

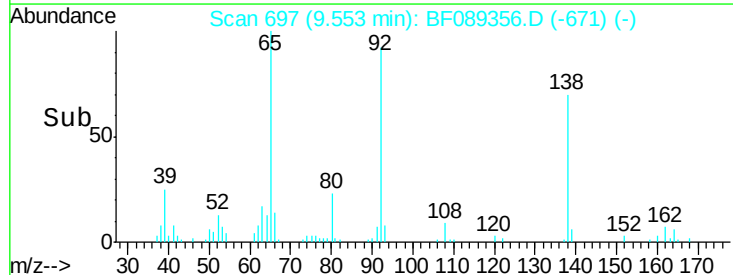
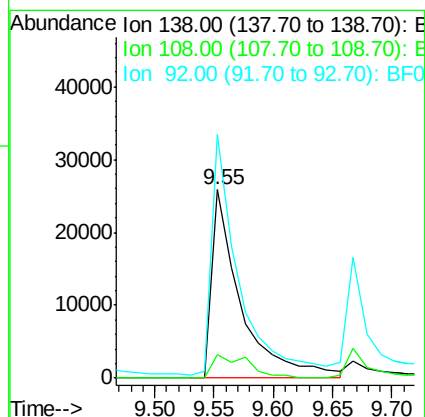
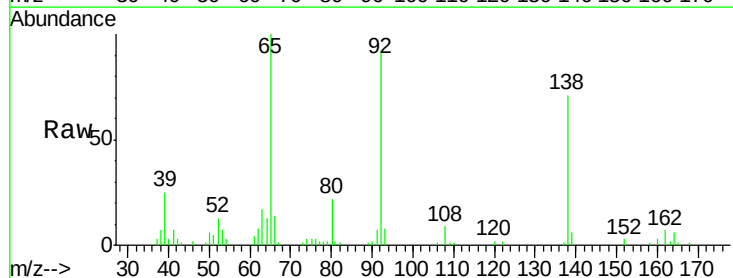
RT: 9.55 min Scan# 697

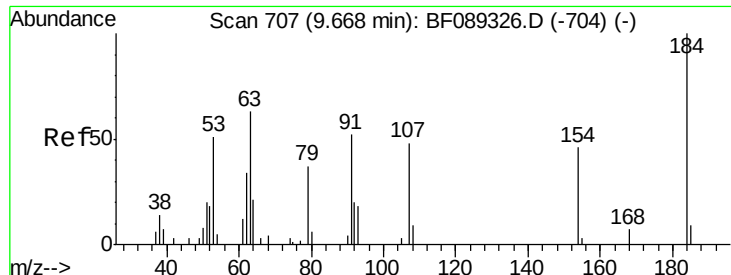
Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:	138	Resp:	43868
Ion Ratio	Lower	Upper	
138	100		
108	12.6	8.6	13.0
92	129.5	90.0	135.0





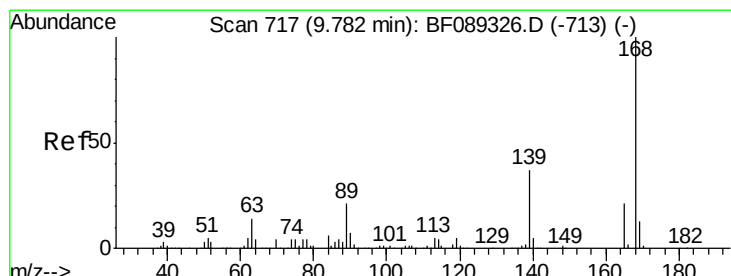
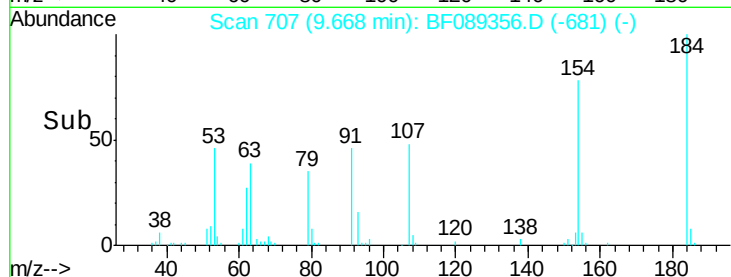
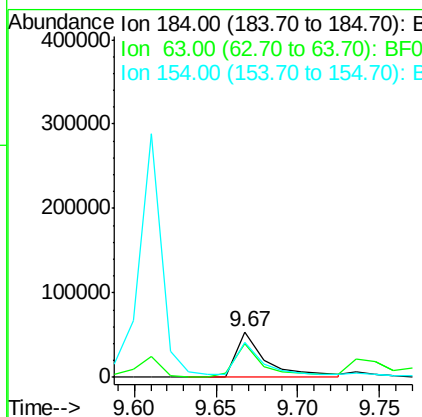
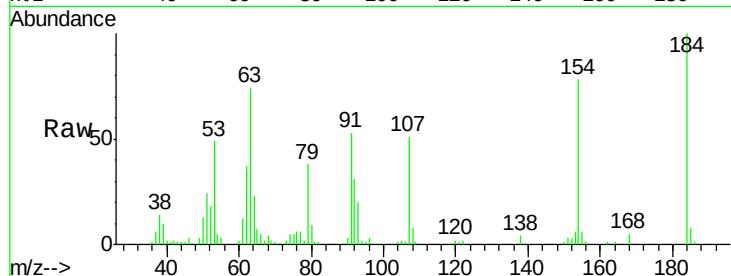
#53
 2,4-Dinitrophenol
 Concen: 90.35 ng
 RT: 9.67 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	67639		
63	74.1	60.6	90.8	
154	78.0	69.8	104.8	

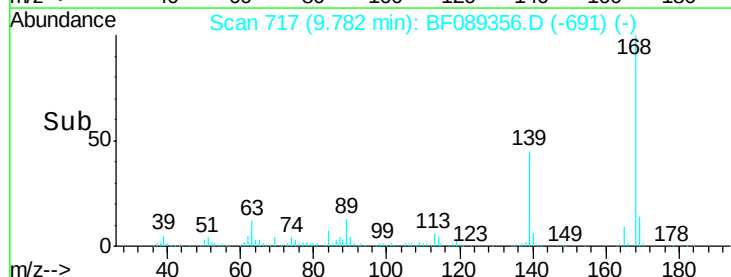
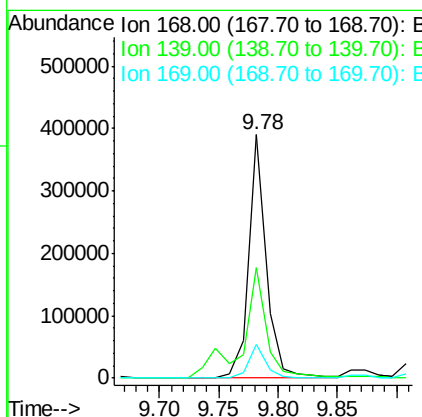
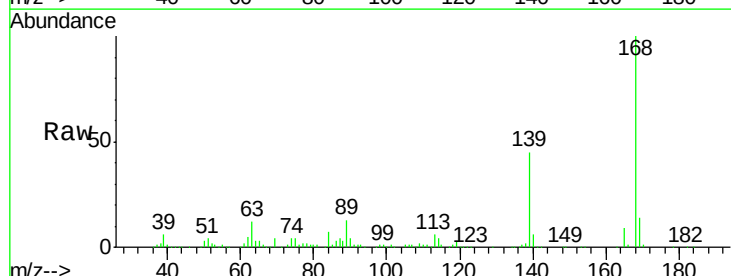
Manual Integrations

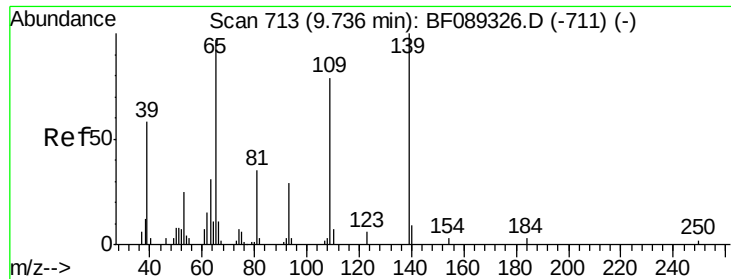
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#54
 Dibenzofuran
 Concen: 52.11 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	403204		
139	45.3	33.7	50.5	
169	13.6	10.7	16.1	





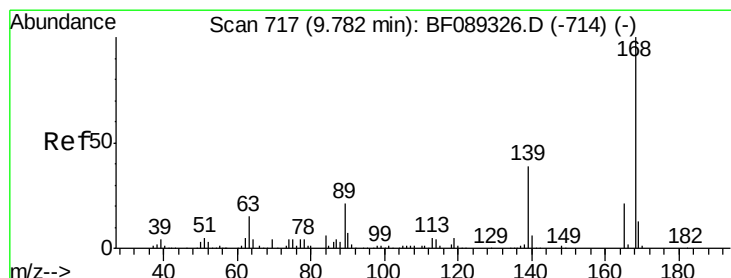
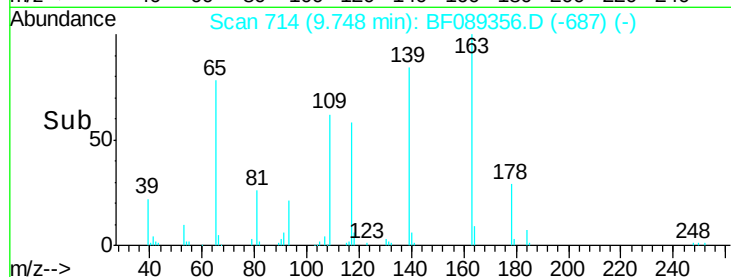
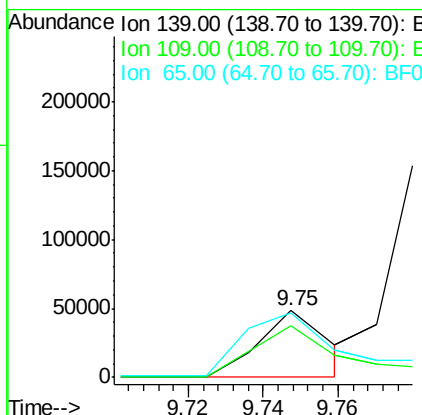
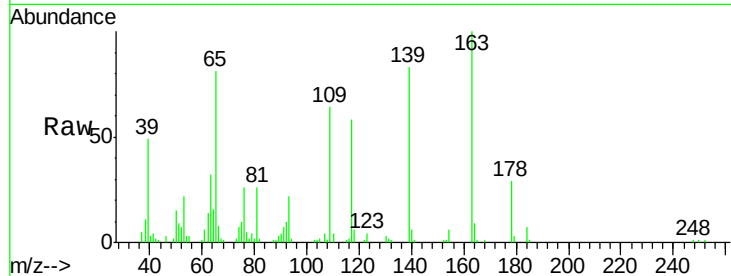
#55
4-Nitrophenol
Concen: 79.11 ng m
RT: 9.75 min Scan# 714
Delta R.T. 0.01 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampleId :
I-4MS

Tgt Ion:139 Resp: 61332
Ion Ratio Lower Upper
139 100
109 77.1 57.8 97.8
65 97.3 81.7 121.7

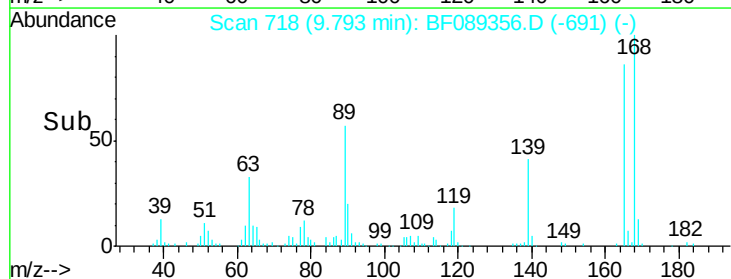
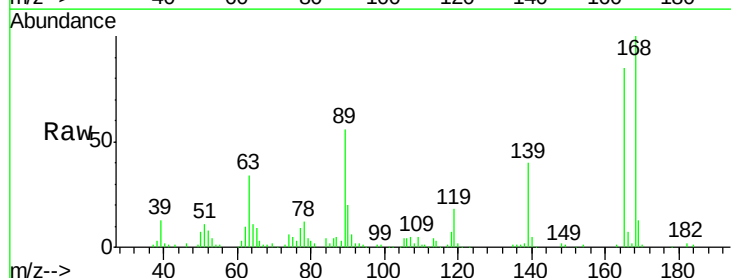
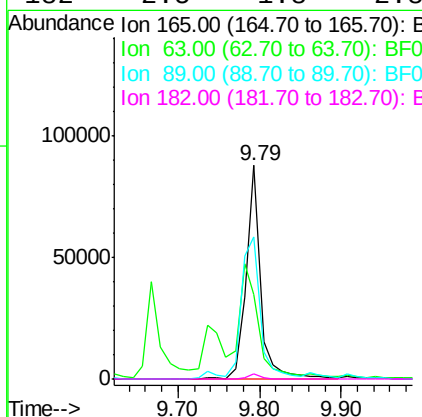
Manual Integrations

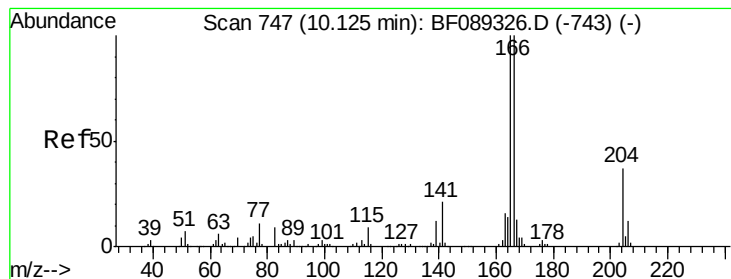
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#56
2,4-Dinitrotoluene
Concen: 54.59 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.01 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion:165 Resp: 108499
Ion Ratio Lower Upper
165 100
63 39.9 58.2 87.2#
89 66.5 79.1 118.7#
182 2.5 1.8 2.8





#57

Fluorene

Concen: 50.97 ng

RT: 10.12 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

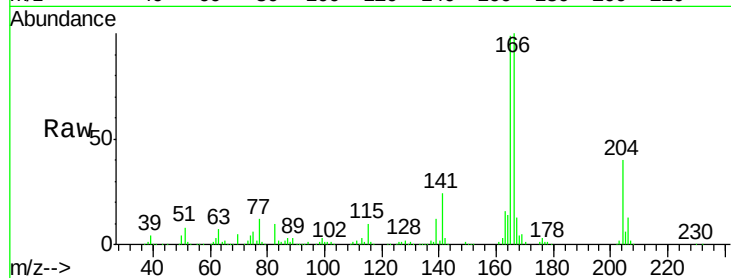
ClientSampleId :

I-4MS

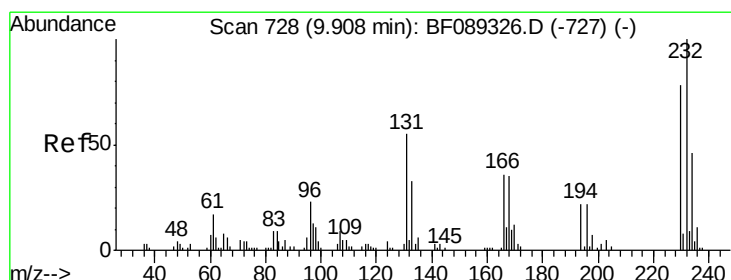
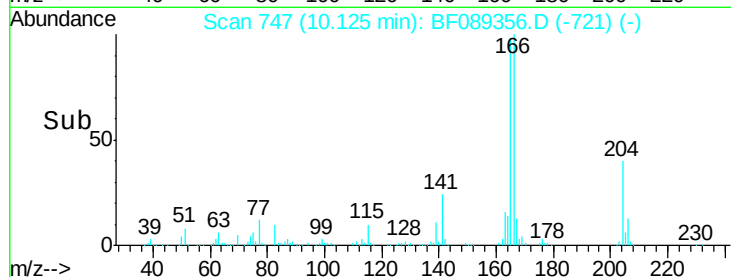
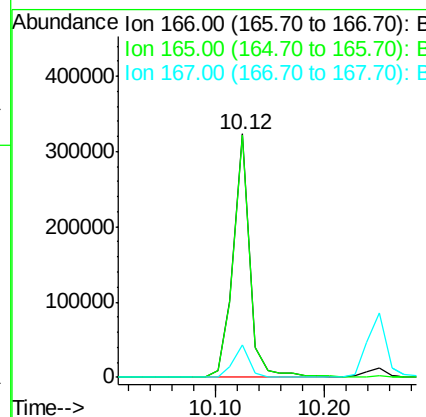
Manual Integrations

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Tgt Ion:	166	Resp:	344283
Ion Ratio	Lower	Upper	
166	100		
165	99.3	79.0	118.4
167	13.4	10.2	15.2



#58

2,3,4,6-Tetrachlorophenol

Concen: 55.84 ng

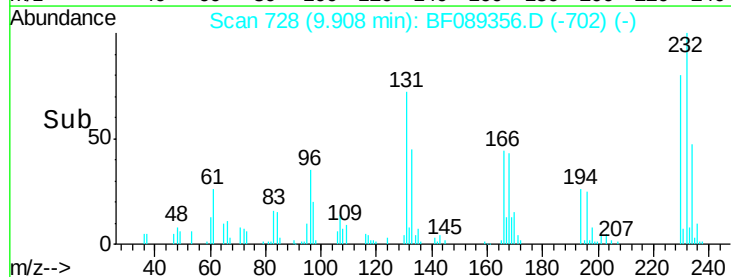
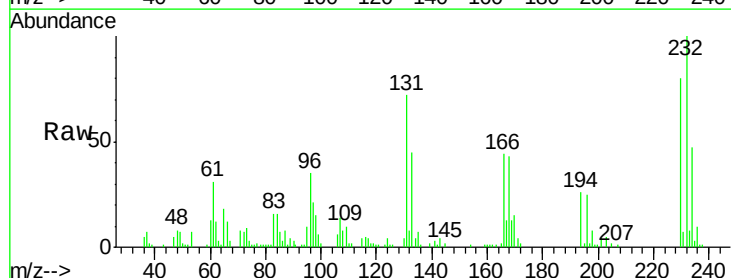
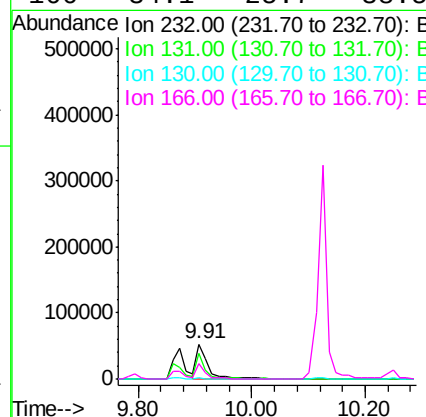
RT: 9.91 min Scan# 728

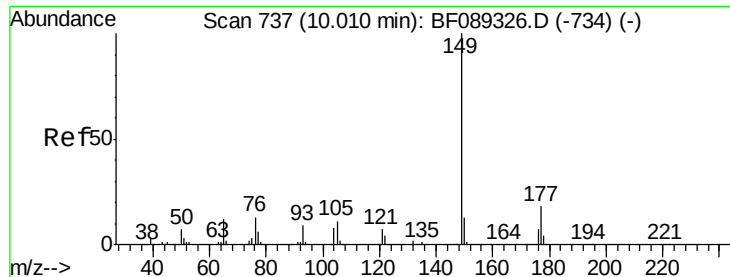
Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:	232	Resp:	75858
Ion Ratio	Lower	Upper	
232	100		
131	57.2	42.7	64.1
130	2.4	1.7	2.5
166	34.1	25.7	38.5





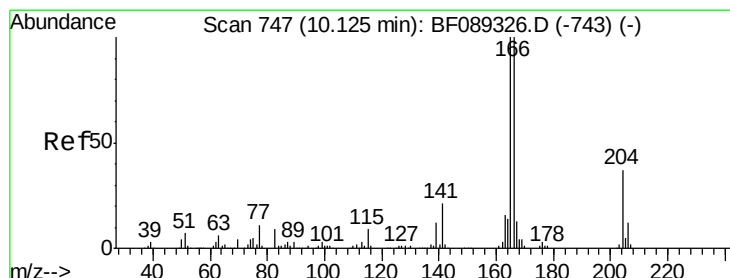
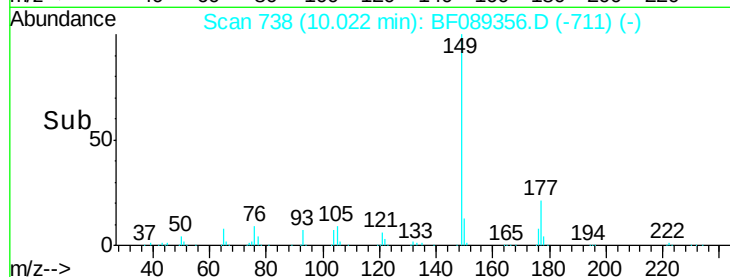
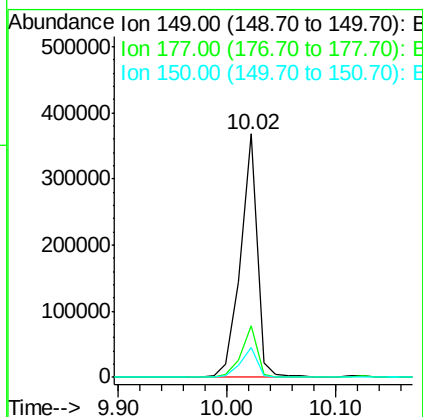
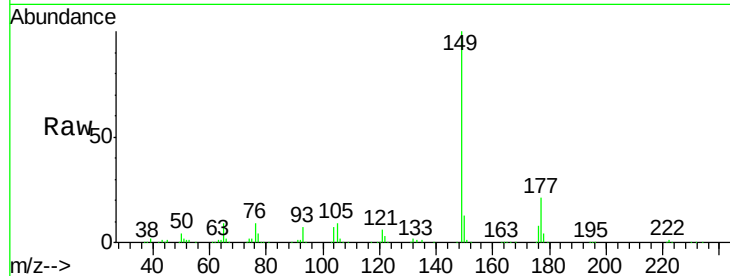
#59
Diethylphthalate
Concen: 52.46 ng
RT: 10.02 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampled :
I-4MS

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.3	15.1	22.7
150	12.5	10.2	15.4

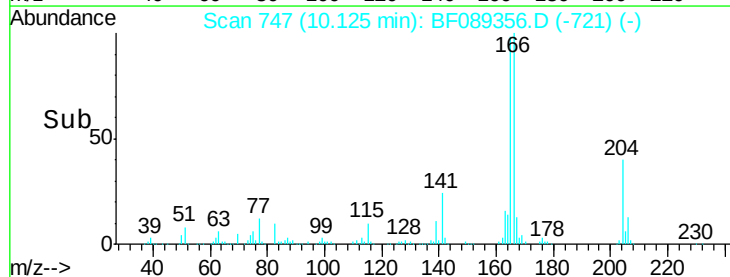
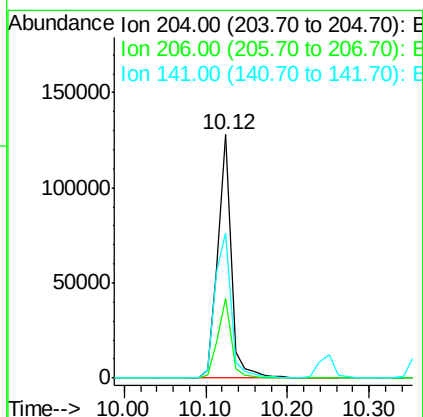
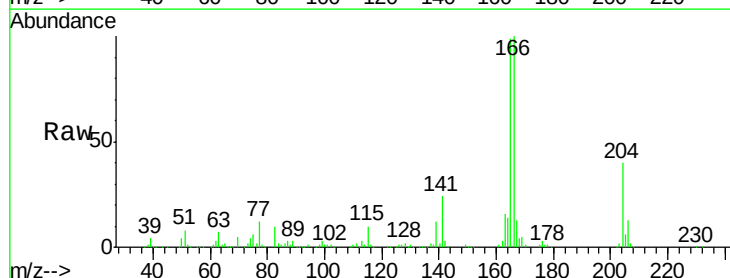
Manual Integrations

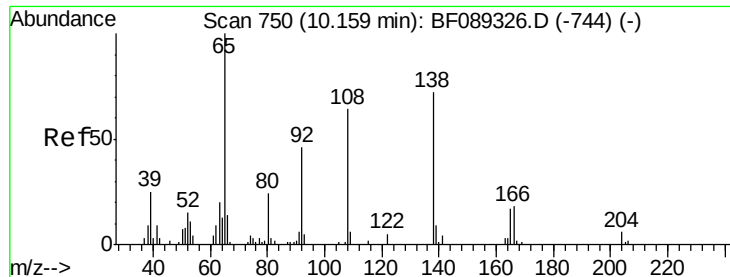
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#60
4-Chlorophenyl-phenylether
Concen: 48.17 ng
RT: 10.12 min Scan# 747
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.6	39.8
141	59.7	46.6	70.0





#61

4-Nitroaniline

Concen: 44.06 ng

RT: 10.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF089356.D

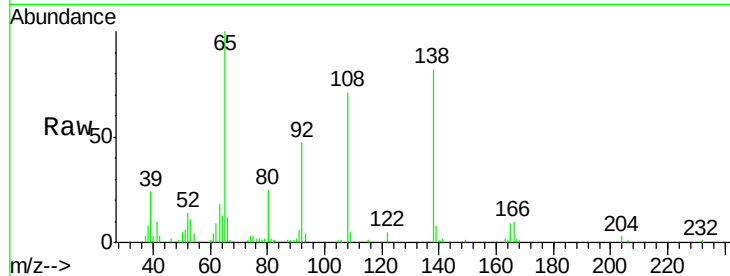
Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS



Tgt Ion:138 Resp: 72363

Ion Ratio Lower Upper

138 100

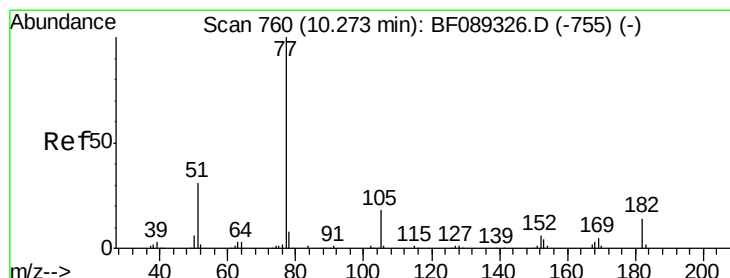
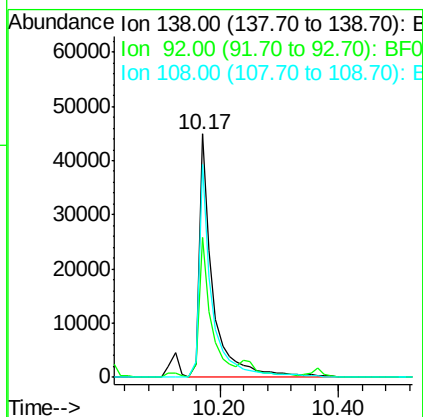
92 57.4 41.2 81.2

108 87.3 69.6 109.6

Manual Integrations

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#62

Azobenzene

Concen: 52.18 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion: 77 Resp: 400323

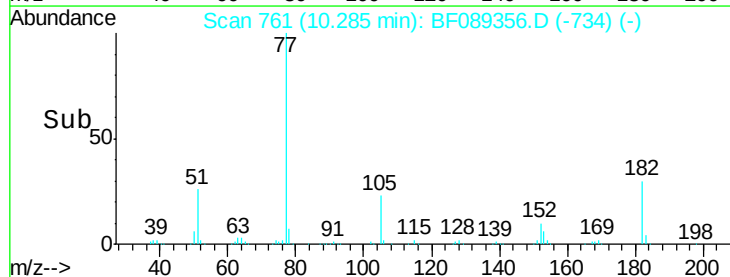
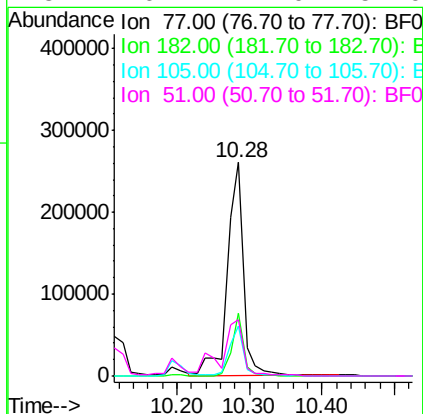
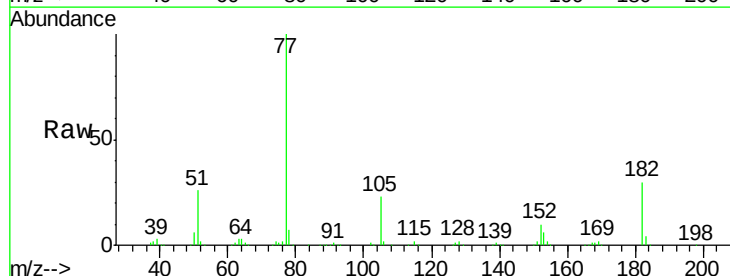
Ion Ratio Lower Upper

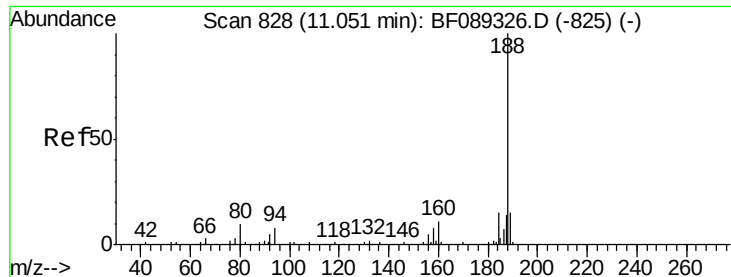
77 100

182 29.6 0.0 33.8

105 23.5 0.0 39.8

51 26.2 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: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tgt Ion:188 Resp: 184462

Ion Ratio Lower Upper

188 100

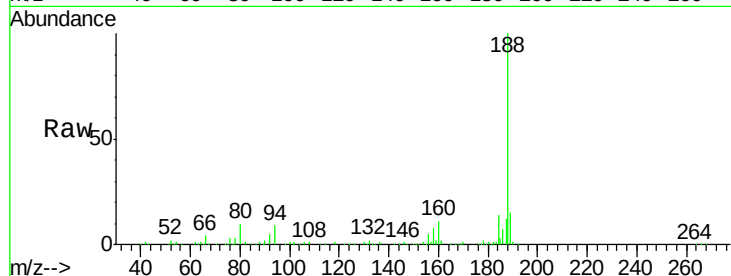
94 9.3 6.5 9.7

80 10.2 7.2 10.8

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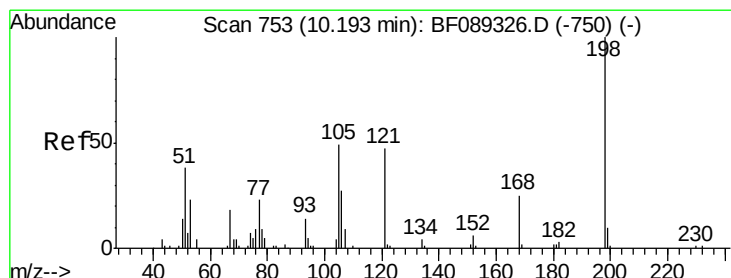
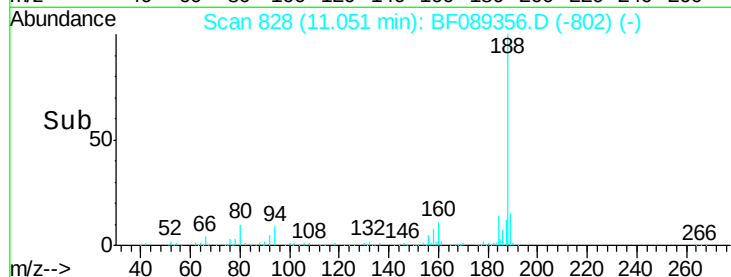
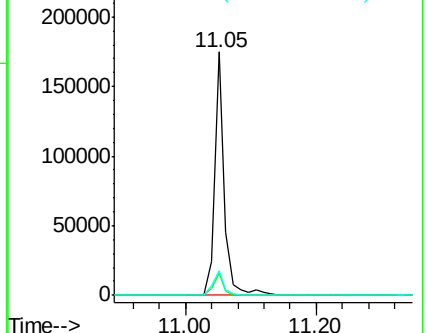
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 45.02 ng

RT: 10.20 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

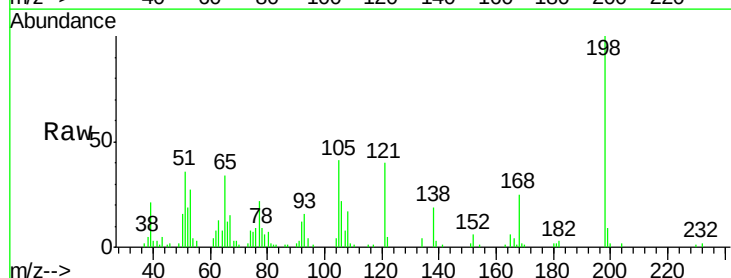
Tgt Ion:198 Resp: 49788

Ion Ratio Lower Upper

198 100

51 36.5 23.0 63.0

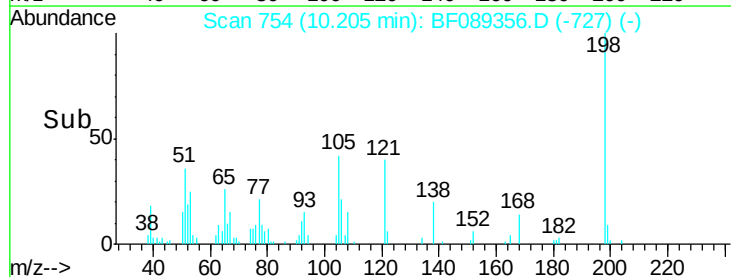
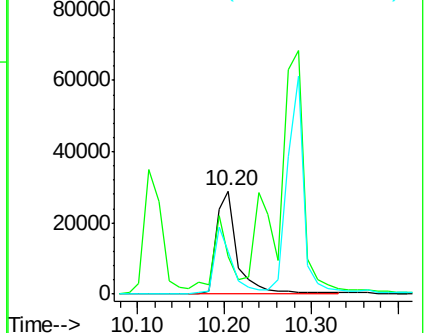
105 41.1 28.3 68.3

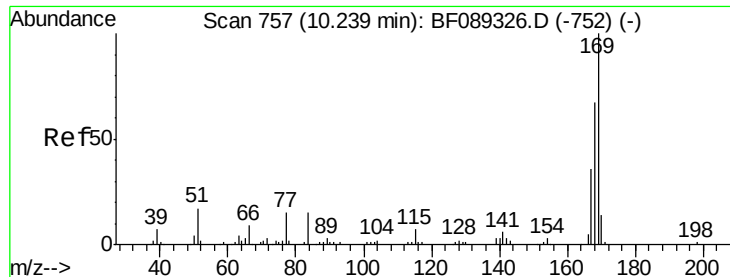


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





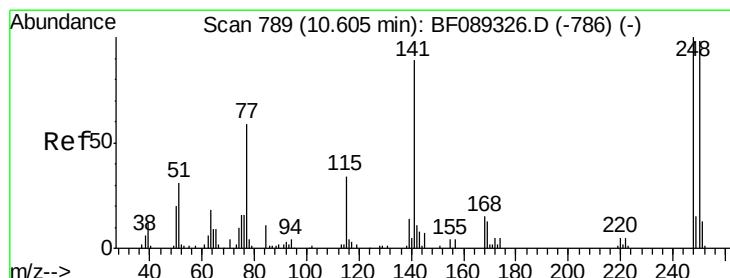
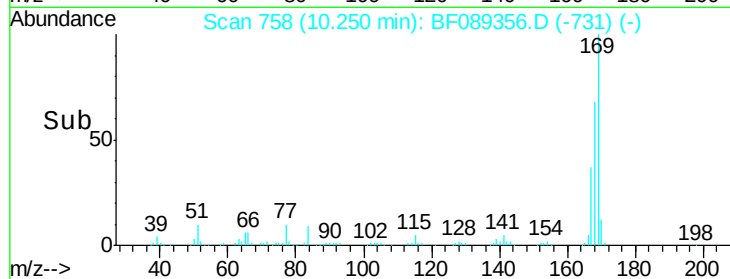
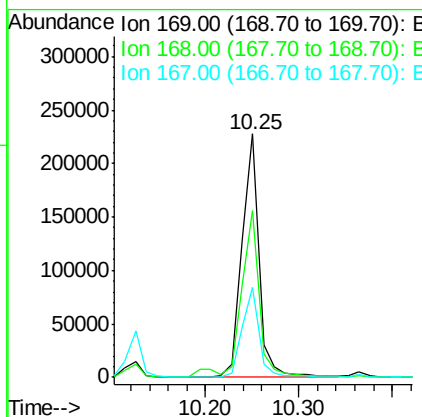
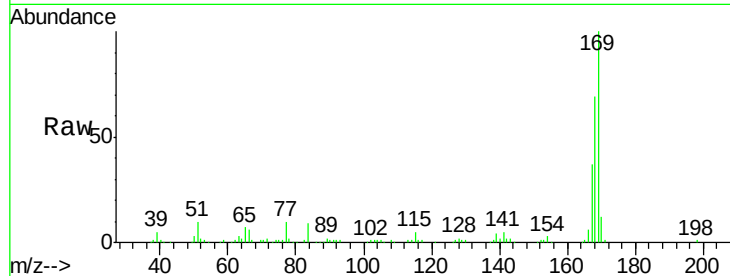
#65
 n-Nitrosodiphenylamine
 Concen: 51.00 ng
 RT: 10.25 min Scan# 758
 Delta R.T. 0.01 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	293542		
168	68.6	55.4	83.0	
167	37.2	29.7	44.5	

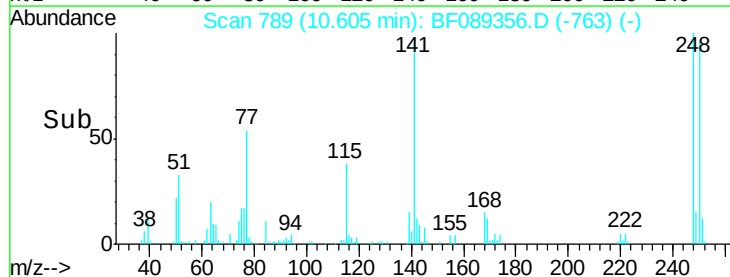
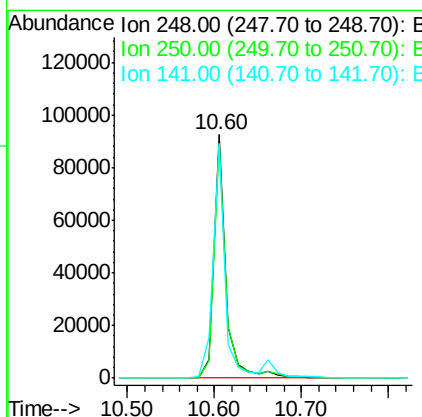
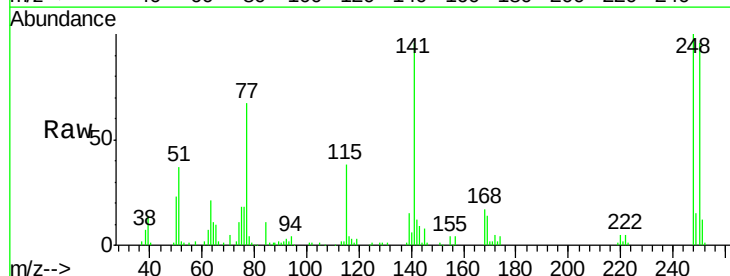
Manual Integrations

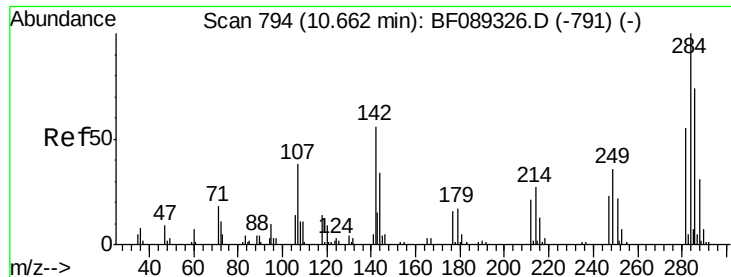
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#66
 4-Bromophenyl-phenylether
 Concen: 51.86 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	91337		
250	95.8	78.2	117.2	
141	96.4	62.0	93.0	





#67

Hexachlorobenzene

Concen: 47.11 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF089356.D

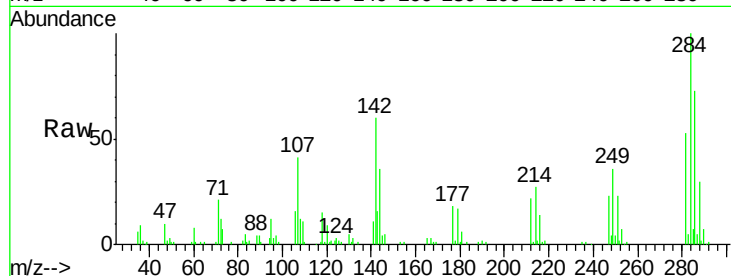
Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampled :

I-4MS

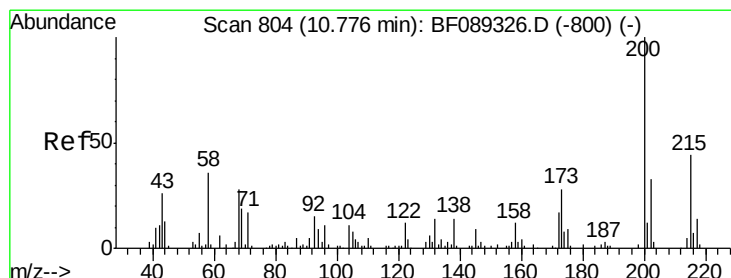
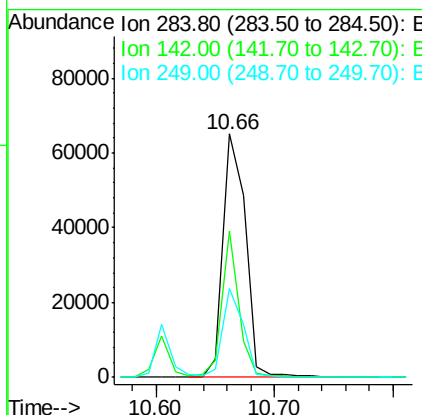
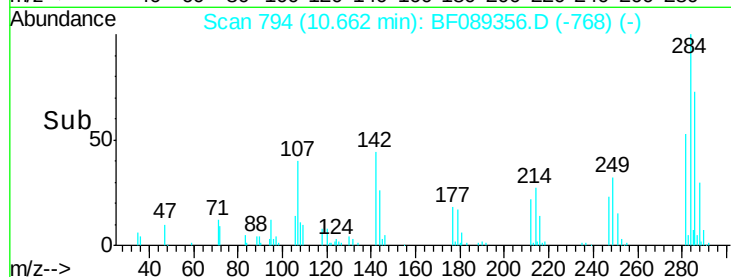


Tgt Ion:	284	Resp:	85026
Ion Ratio	Lower	Upper	
284	100		
142	60.3	42.2	63.4
249	36.3	29.4	44.0

Manual Integrations

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#68

Atrazine

Concen: 43.81 ng

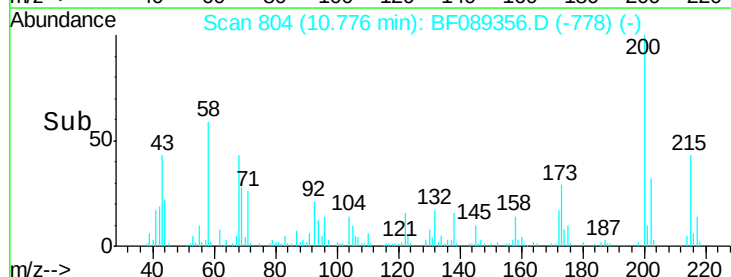
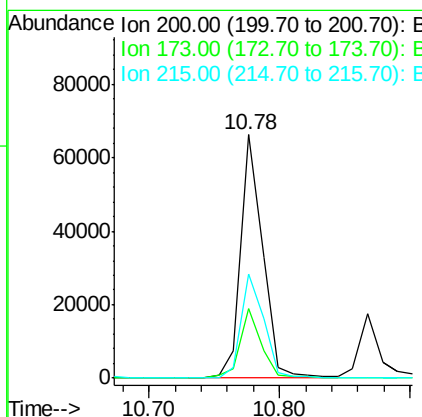
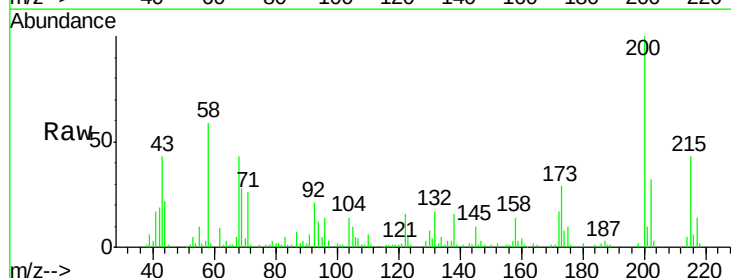
RT: 10.78 min Scan# 804

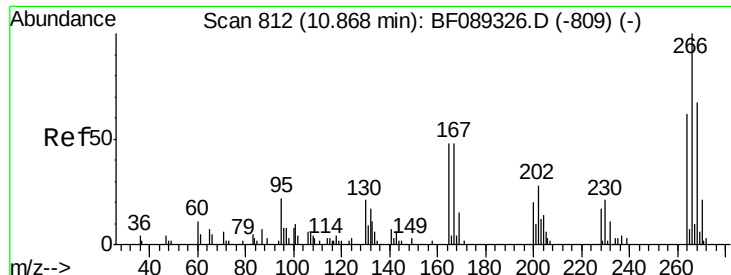
Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:	200	Resp:	77457
Ion Ratio	Lower	Upper	
200	100		
173	28.7	6.0	46.0
215	43.0	24.3	64.3





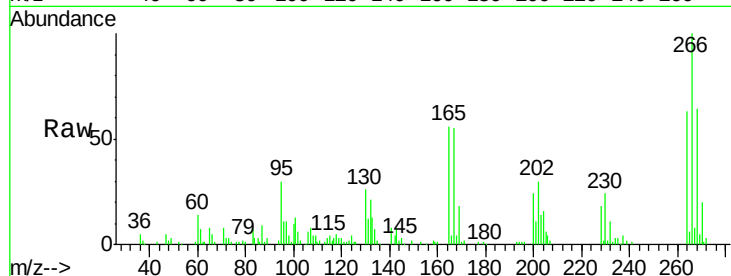
#69
 Pentachlorophenol
 Concen: 99.93 ng
 RT: 10.87 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampled :
 I-4MS

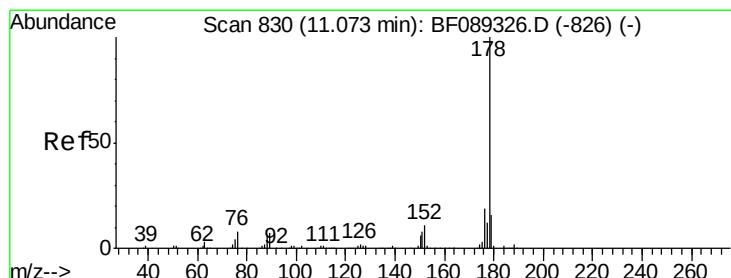
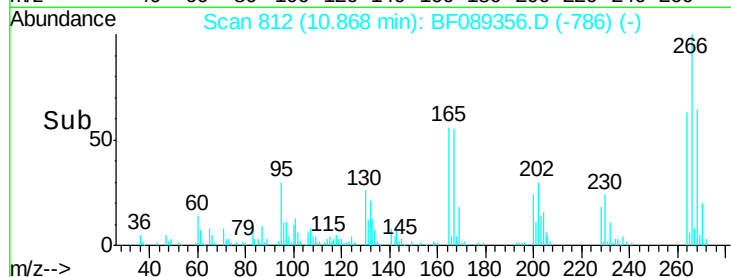
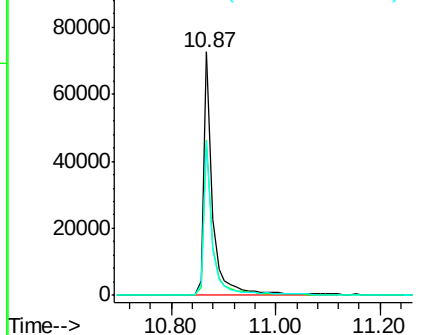
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	88805		
268	63.9		49.4	74.2
264	63.4		50.2	75.2

Manual Integrations

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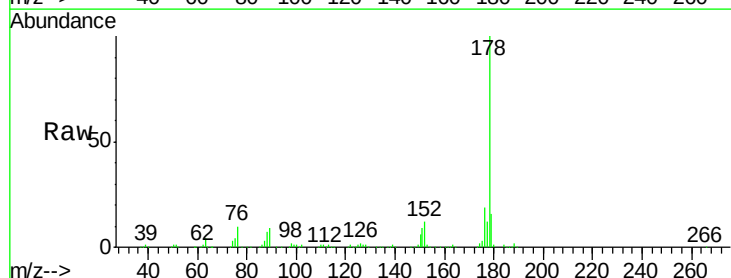


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

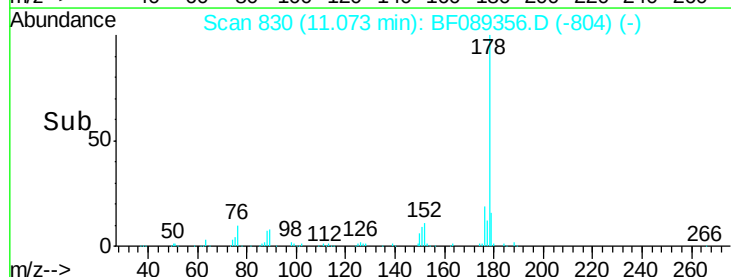
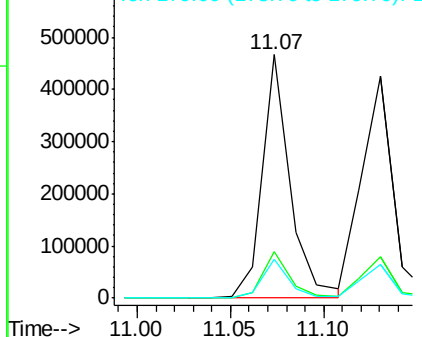


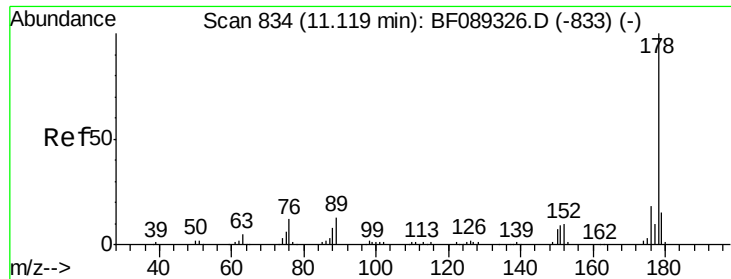
#70
 Phenanthrene
 Concen: 50.29 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	478415		
176	19.3		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





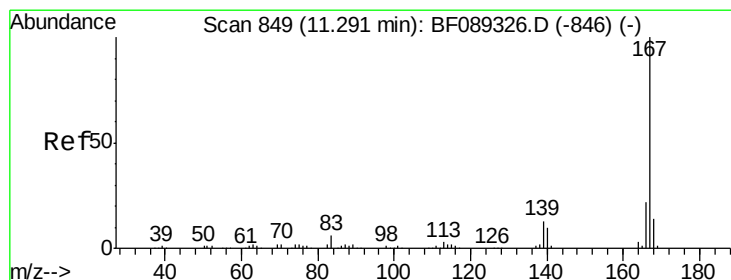
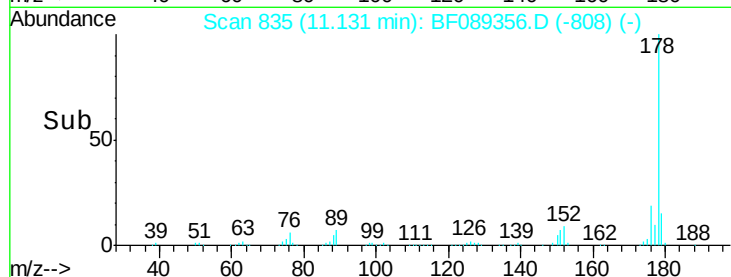
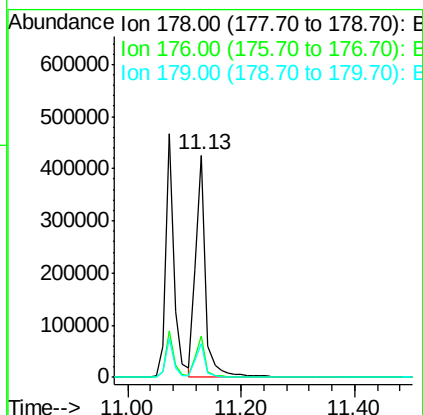
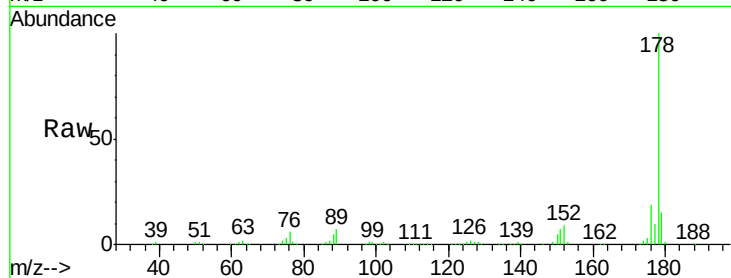
#71
 Anthracene
 Concen: 49.31 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.6	18.8

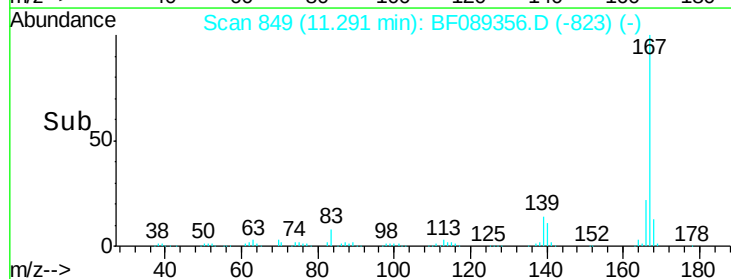
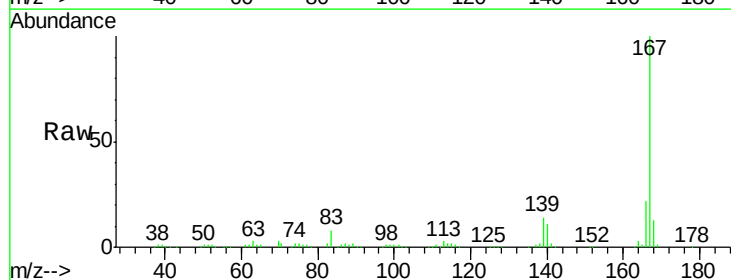
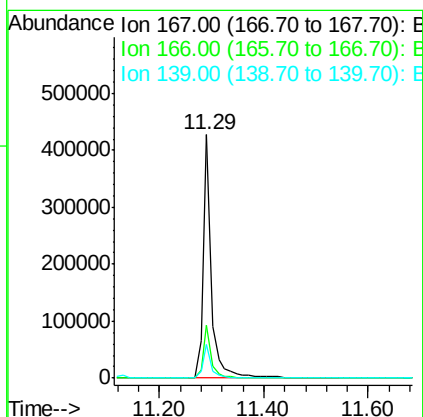
Manual Integrations

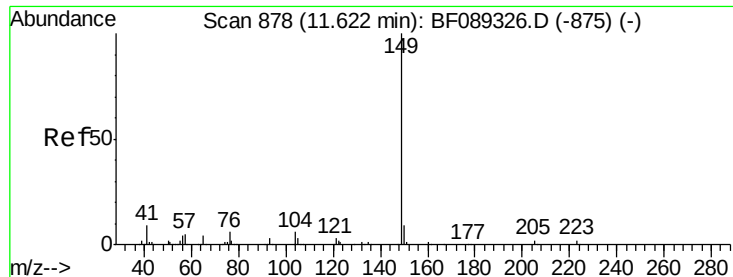
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#72
 Carbazole
 Concen: 52.73 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	13.6	10.1	15.1





#73

Di-n-butylphthalate

Concen: 48.85 ng

RT: 11.63 min Scan# 879

Delta R.T. 0.01 min

Lab File: BF089356.D

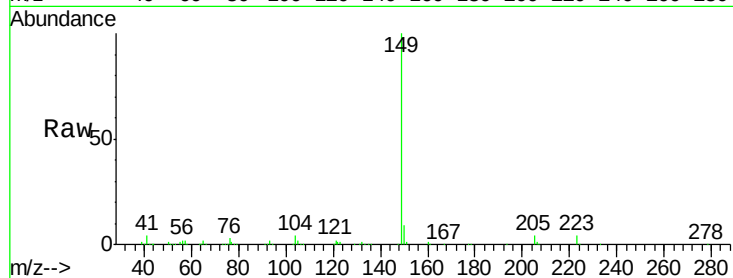
Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampled :

I-4MS

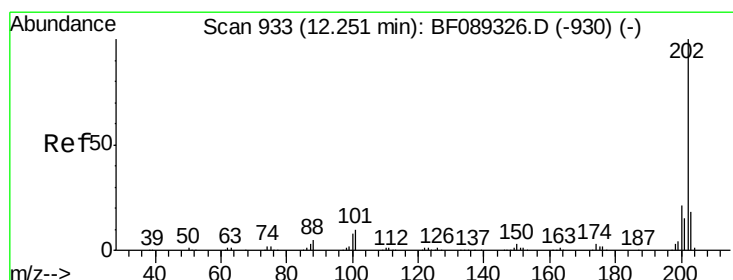
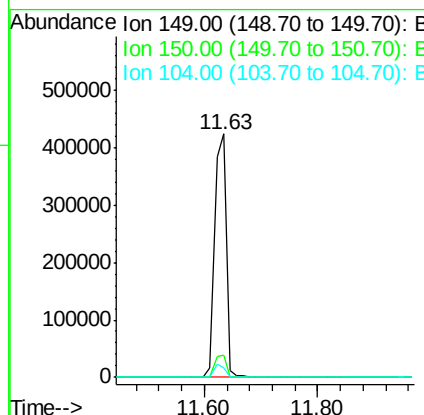


Tgt Ion:	149	Resp:	583556
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.4	11.0
104	4.1	4.7	7.1#

Manual Integrations

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#74

Fluoranthene

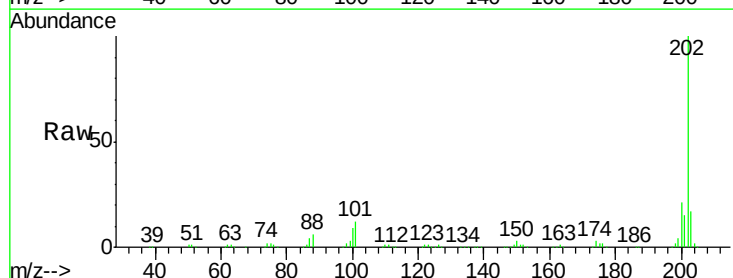
Concen: 49.67 ng

RT: 12.25 min Scan# 933

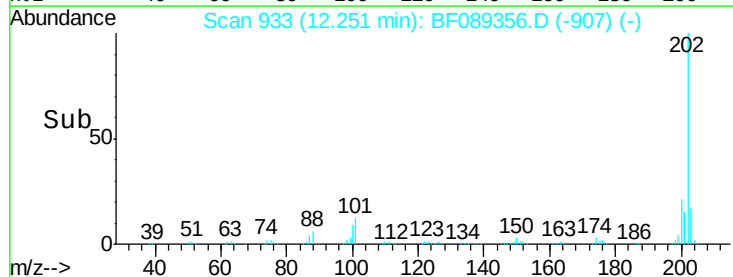
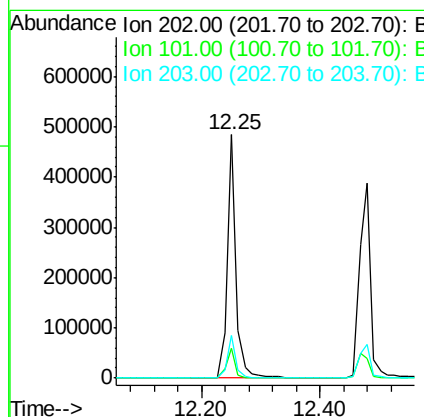
Delta R.T. 0.00 min

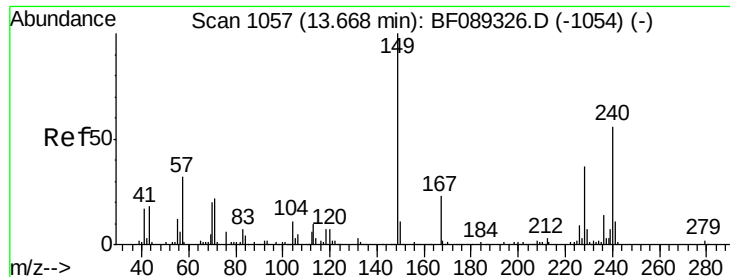
Lab File: BF089356.D

Acq: 28 Jul 2016 9:51



Tgt Ion:	202	Resp:	497072
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	29.9
203	17.4	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tgt Ion:240 Resp: 129117
Ion Ratio Lower Upper

240 100

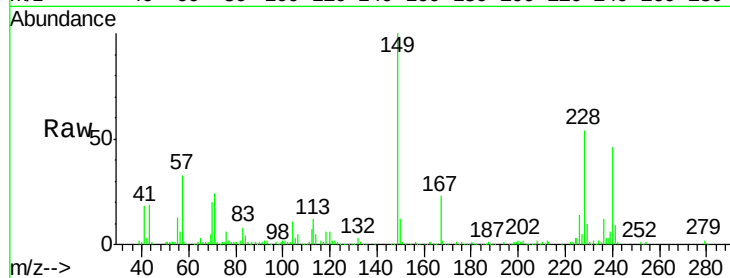
120 13.9 9.1 13.7#

236 25.5 20.6 30.8

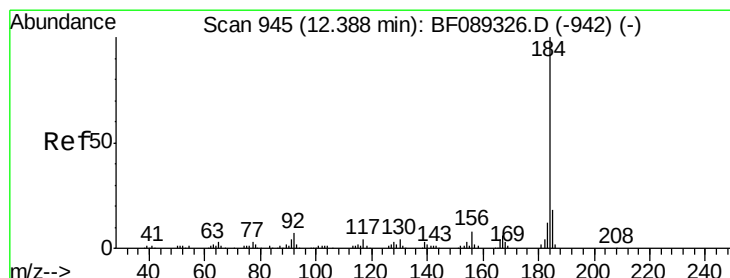
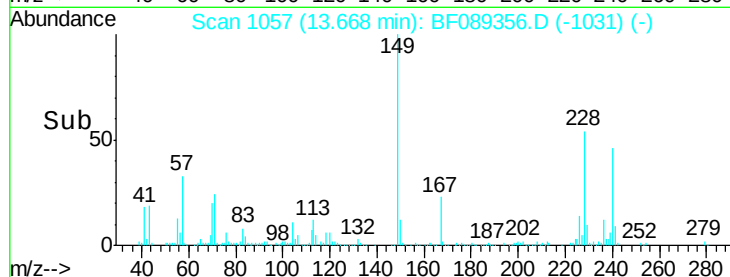
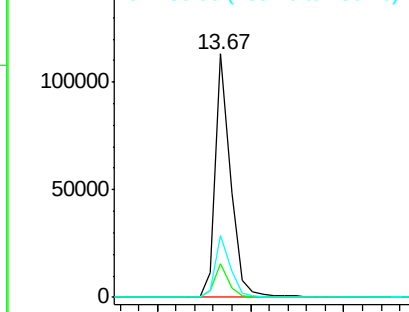
Manual Integrations

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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: 3.97 ng

RT: 12.41 min Scan# 947

Delta R.T. 0.02 min

Lab File: BF089356.D

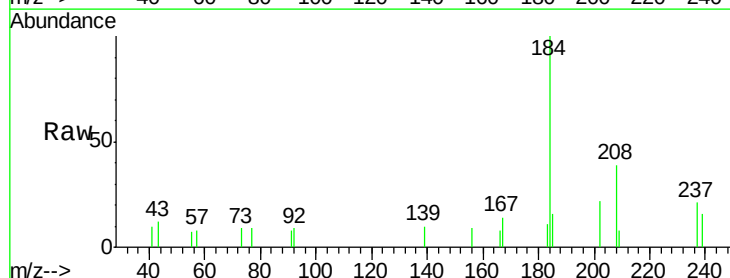
Acq: 28 Jul 2016 9:51

Tgt Ion:184 Resp: 18934
Ion Ratio Lower Upper

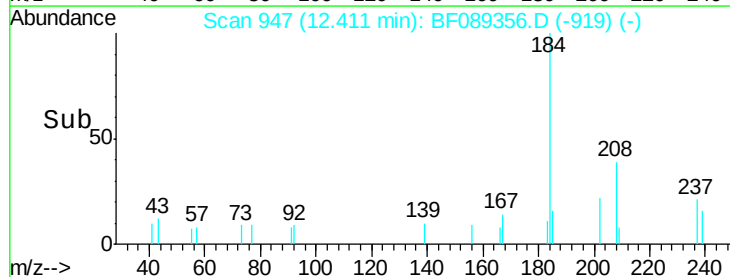
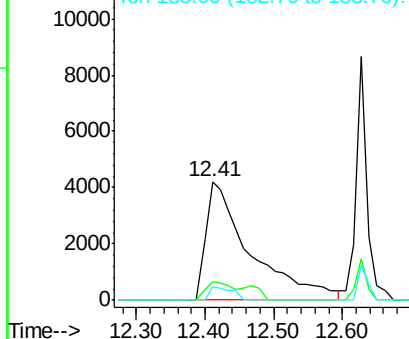
184 100

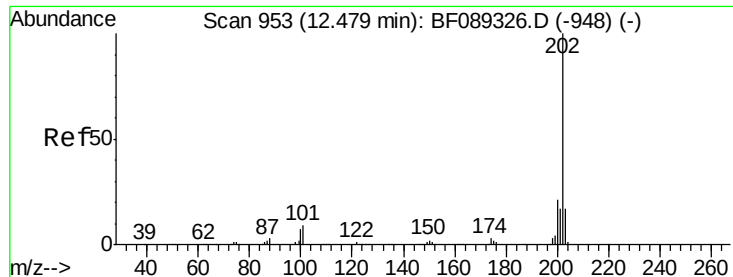
185 15.9 13.5 20.3

183 11.2 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: 50.85 ng

RT: 12.48 min Scan# 953

Delta R.T. 0.01 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampled :

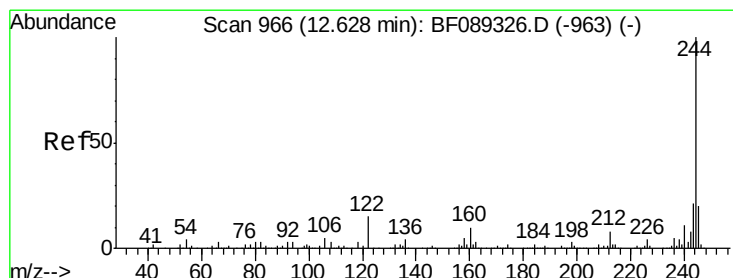
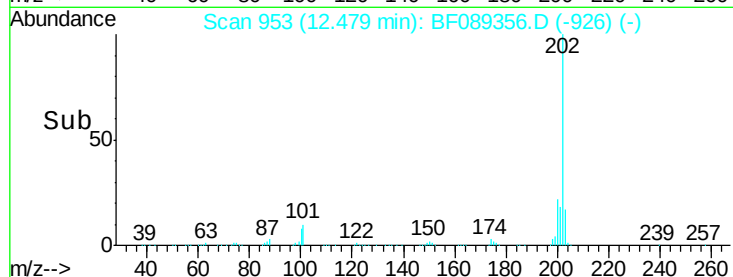
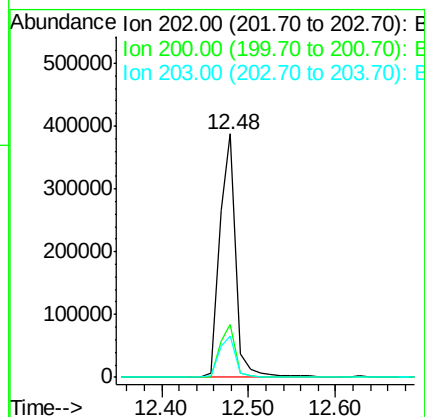
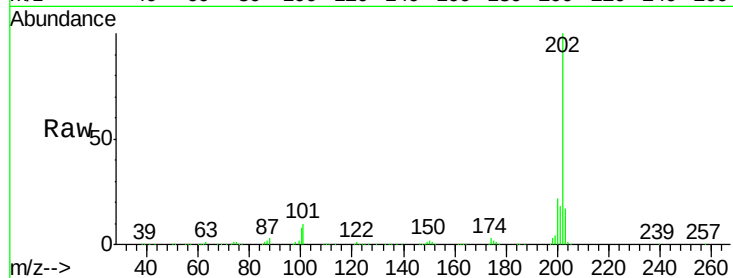
I-4MS

Tgt Ion:	202	Resp:	497606
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.9	25.3
203	17.2	14.0	21.0

Manual Integrations

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#78

Terphenyl-d14

Concen: 97.89 ng

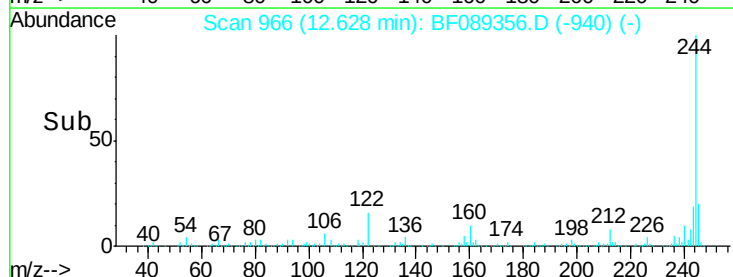
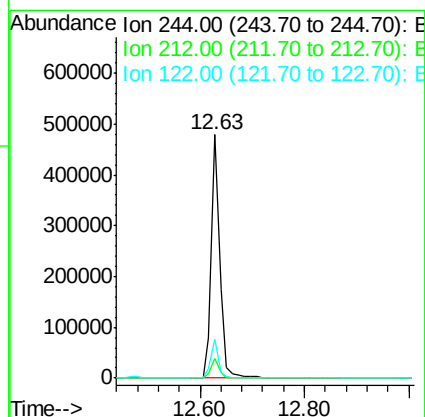
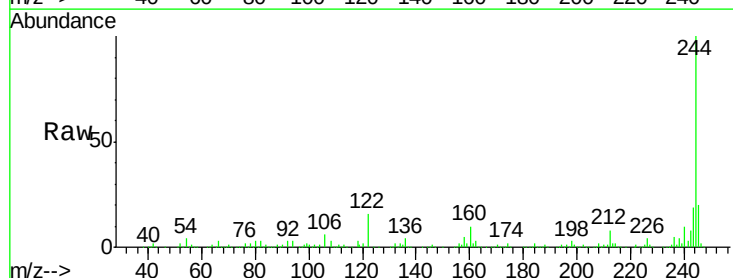
RT: 12.63 min Scan# 966

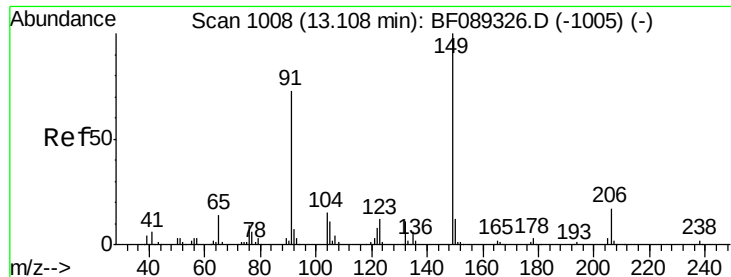
Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:	244	Resp:	540009
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.5	9.7
122	15.7	11.4	17.0





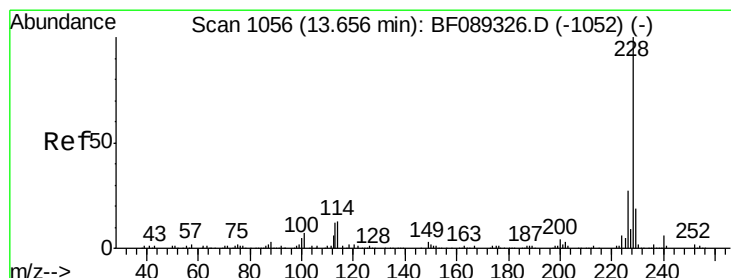
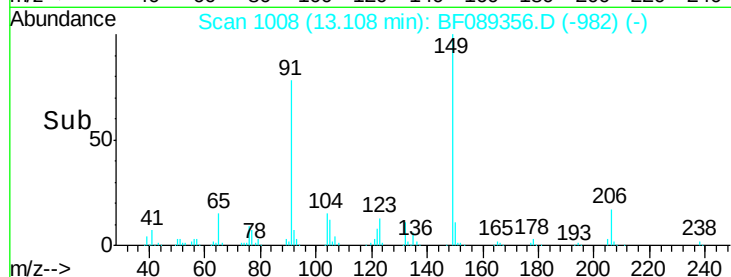
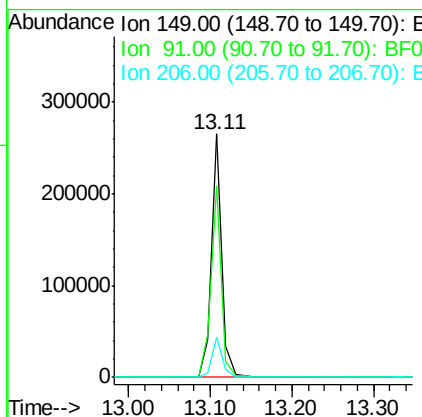
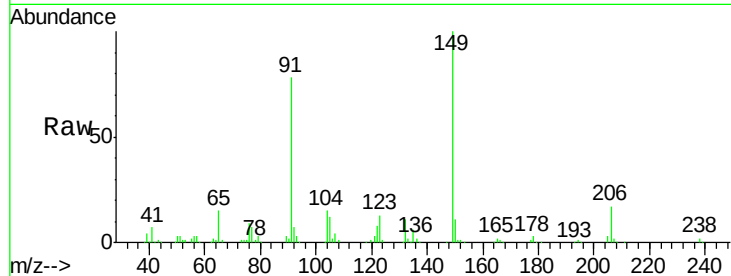
#79
Butylbenzylphthalate
Concen: 53.99 ng
RT: 13.11 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampleId :
I-4MS

Tgt Ion:	149	Resp:	240193
Ion Ratio	Lower	Upper	
149	100		
91	78.4	58.5	87.7
206	16.6	13.8	20.8

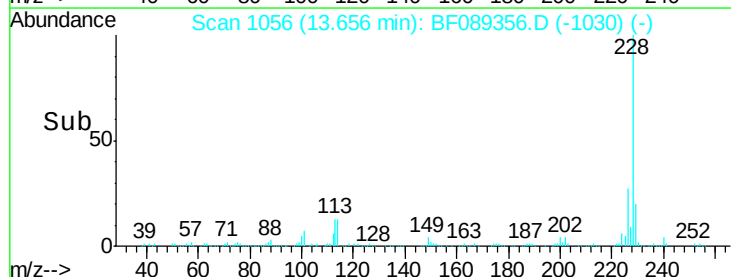
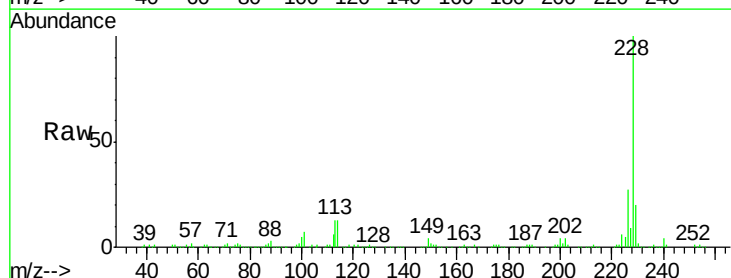
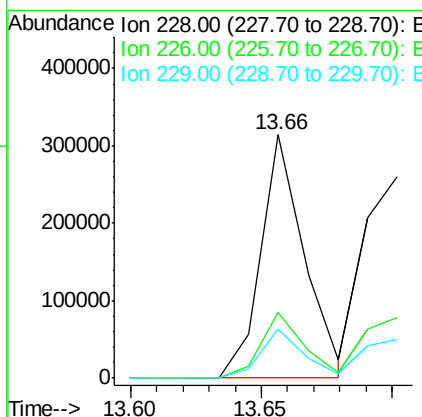
Manual Integrations

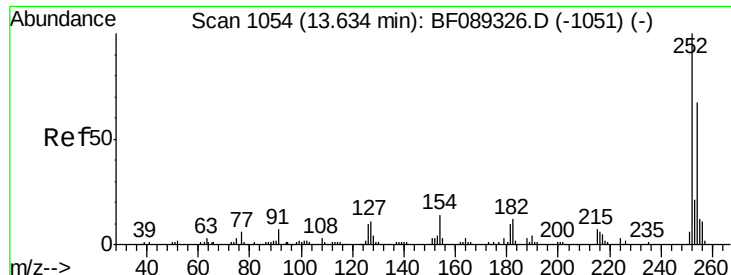
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#80
Benzo(a)anthracene
Concen: 49.71 ng
RT: 13.66 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion:	228	Resp:	362189
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.4	32.2
229	20.0	15.9	23.9





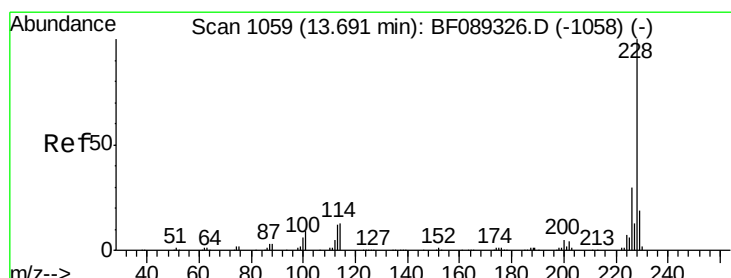
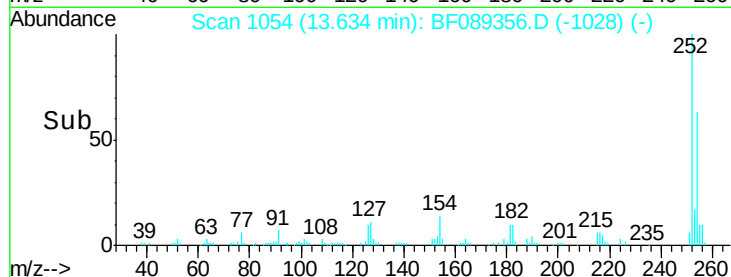
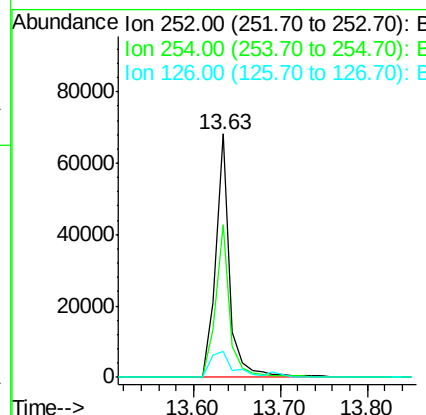
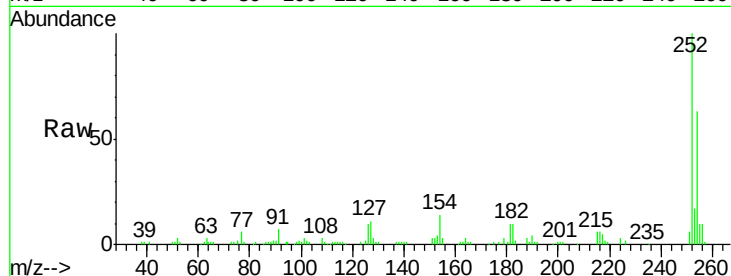
#81
 3,3'-Dichlorobenzidine
 Concen: 29.43 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.6	52.5	78.7
126	10.5	7.4	11.2

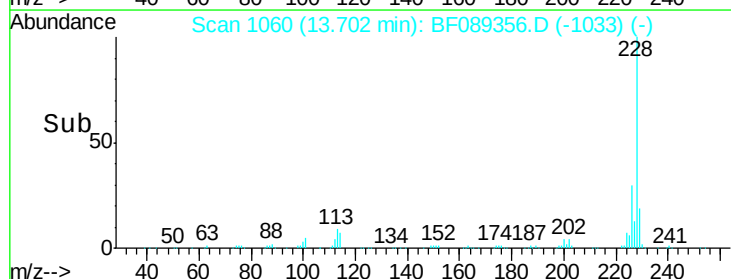
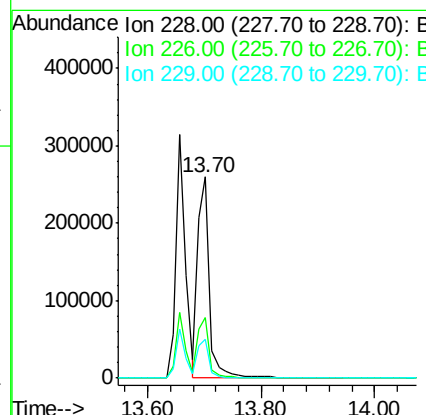
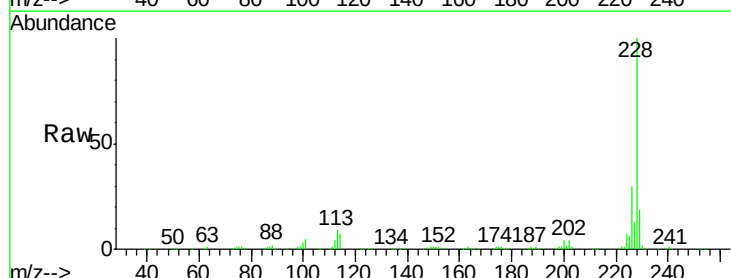
Manual Integrations

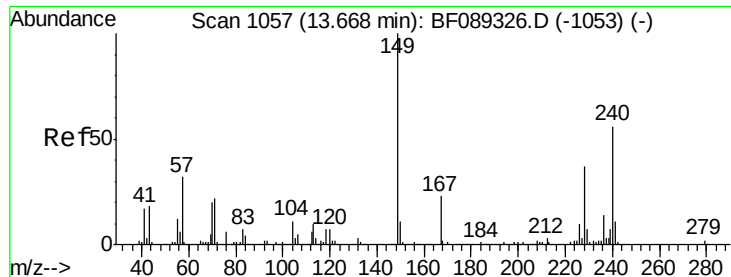
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#82
 Chrysene
 Concen: 48.30 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.2	15.9	23.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 49.54 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tgt Ion:149 Resp: 318636

Ion Ratio Lower Upper

149 100

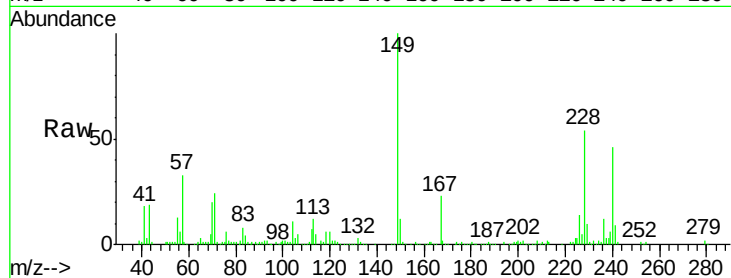
167 23.3 18.8 28.2

279 1.8 1.4 2.0

Manual Integrations

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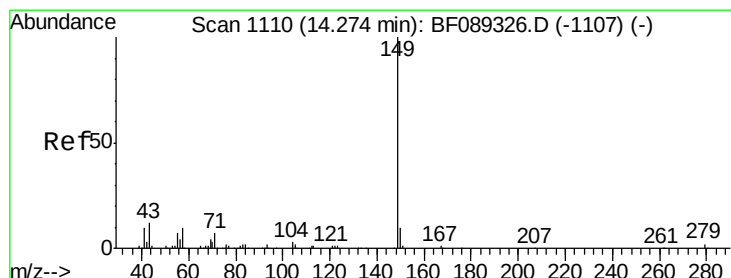
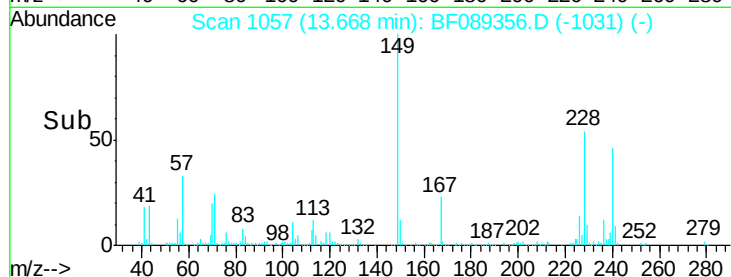
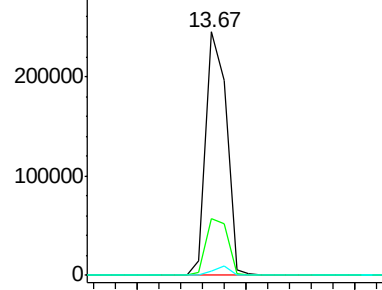
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 50.55 ng

RT: 14.27 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

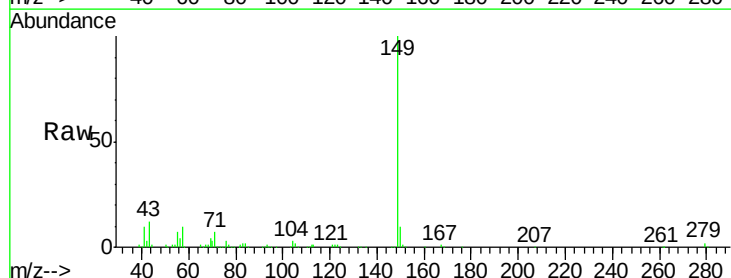
Tgt Ion:149 Resp: 507260

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

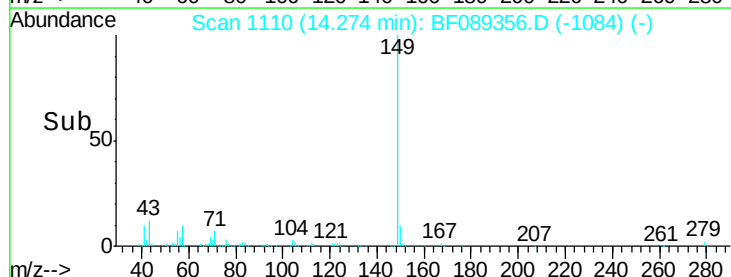
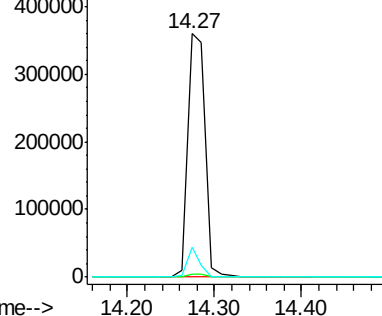
43 9.2 7.3 10.9

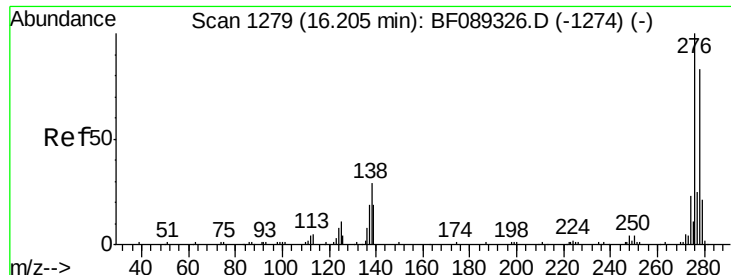


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





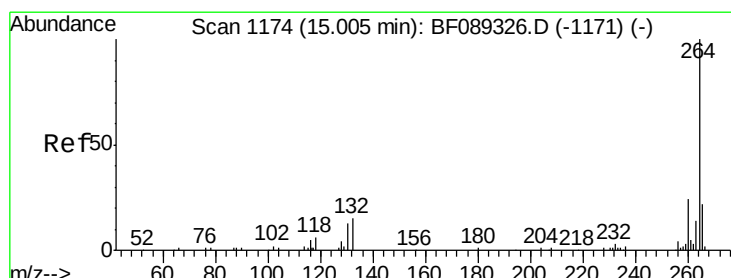
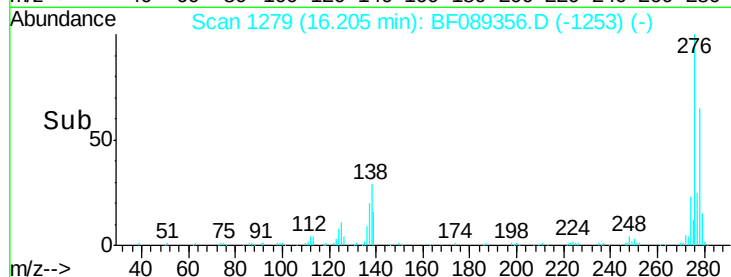
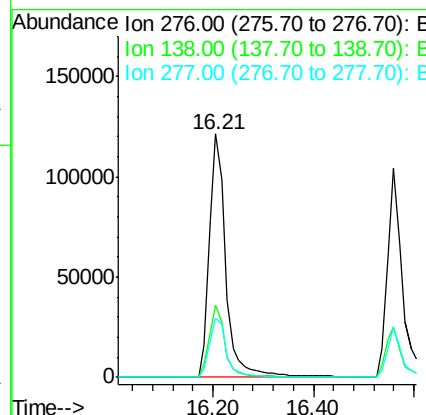
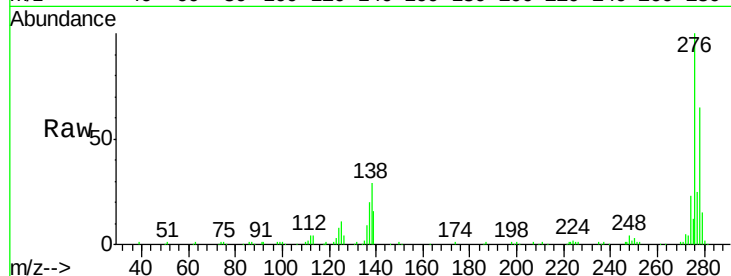
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.55 ng
 RT: 16.21 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.8	23.0	34.4
277	25.4	20.2	30.4

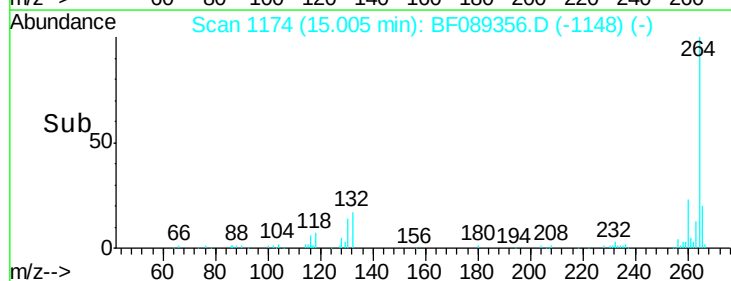
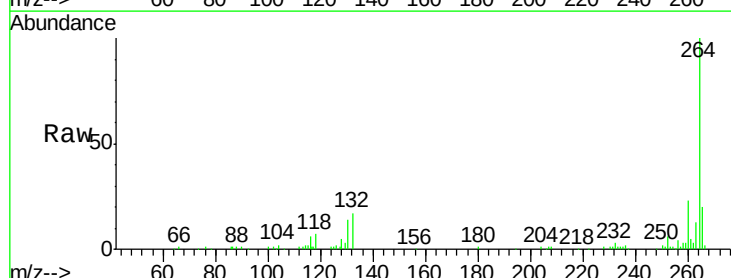
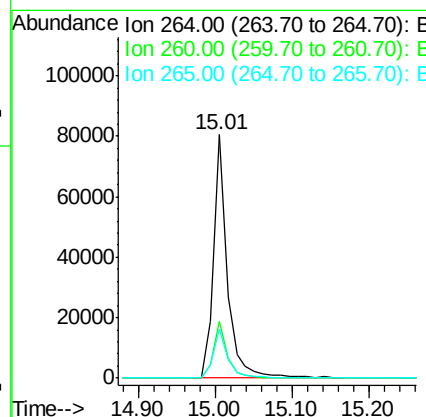
Manual Integrations

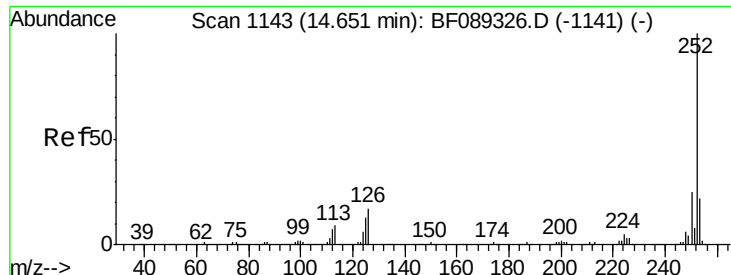
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.01 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	20.3	17.5	26.3





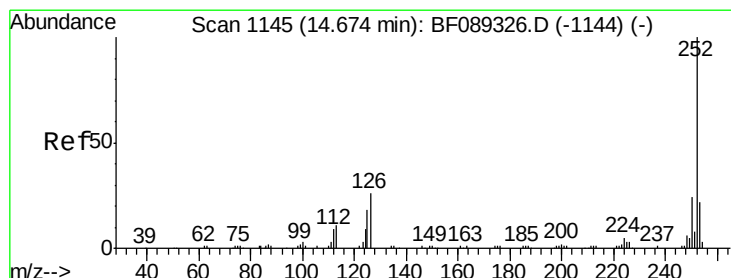
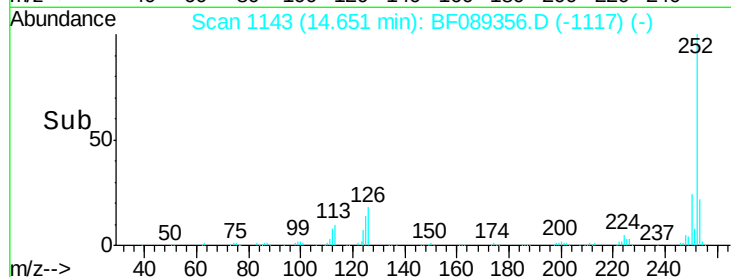
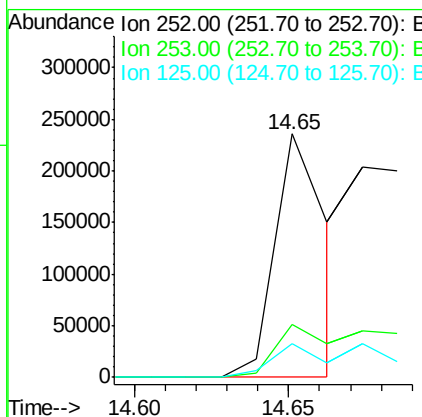
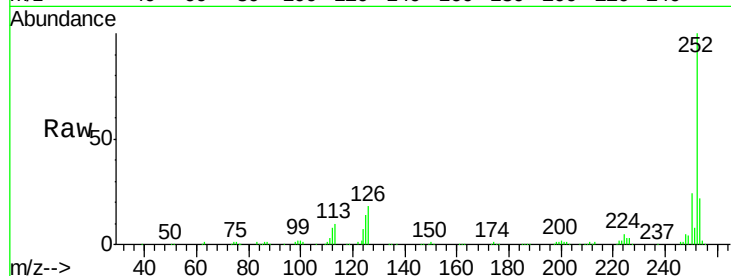
#87
Benzo(b)fluoranthene
Concen: 44.78 ng m
RT: 14.65 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampleId :
I-4MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	13.6	9.7	14.5

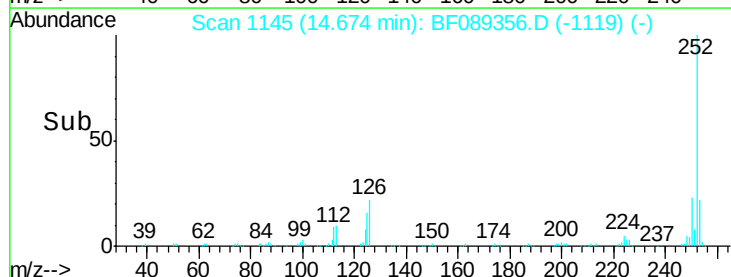
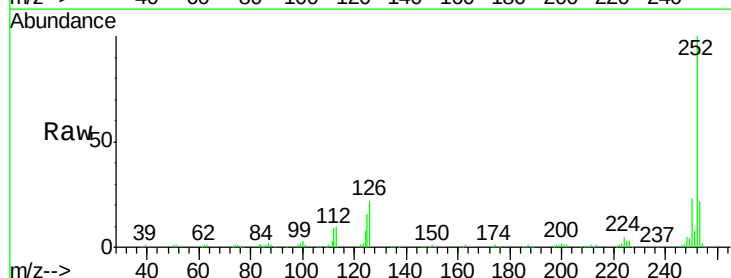
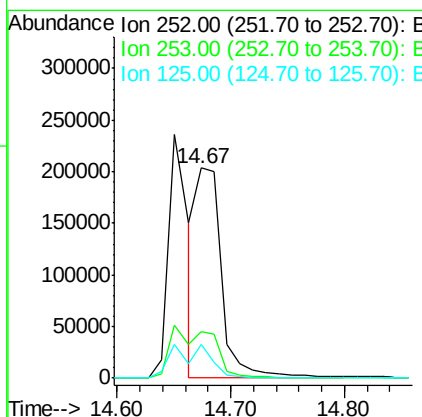
Manual Integrations

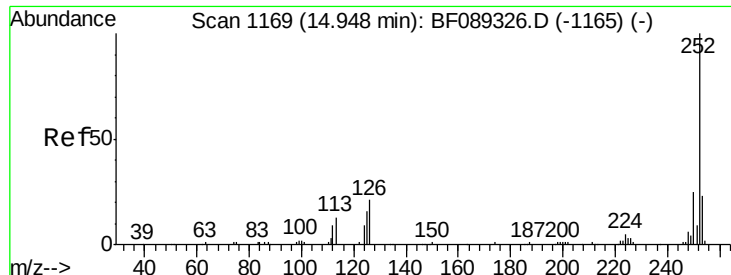
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#88
Benzo(k)fluoranthene
Concen: 57.74 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

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





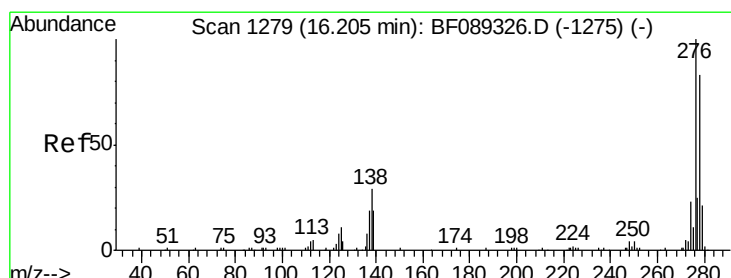
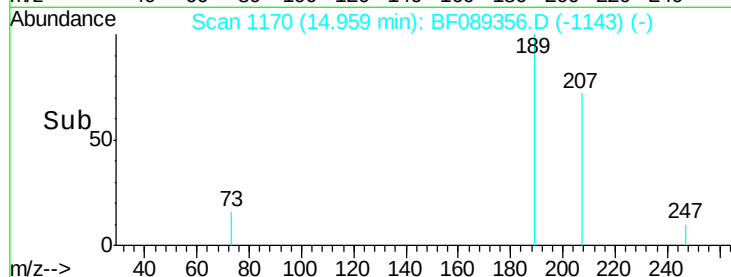
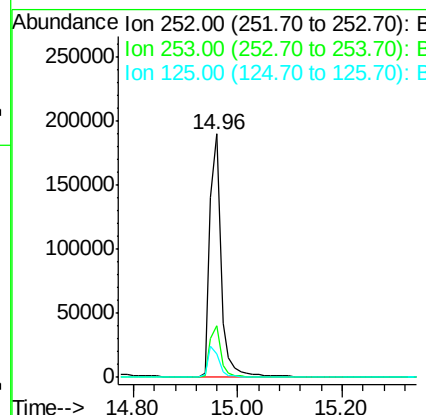
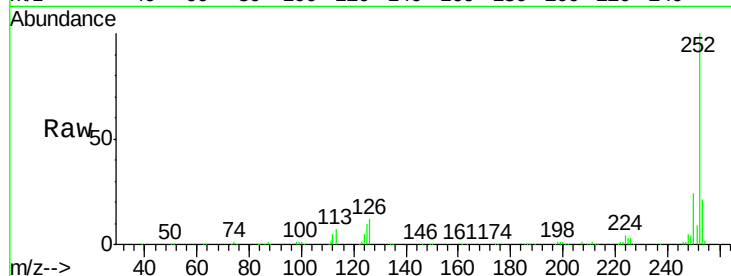
#89
Benzo(a)pyrene
Concen: 51.38 ng
RT: 14.96 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Instrument :
BNA_F
ClientSampled :
I-4MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	9.6	12.4	18.6

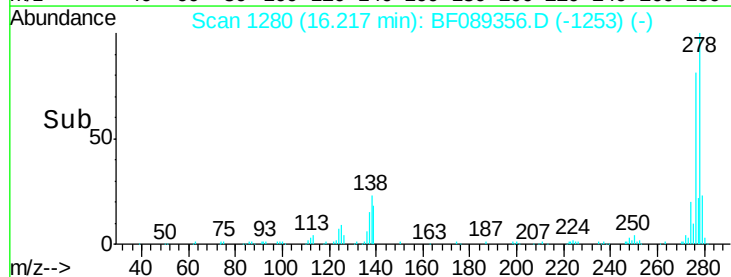
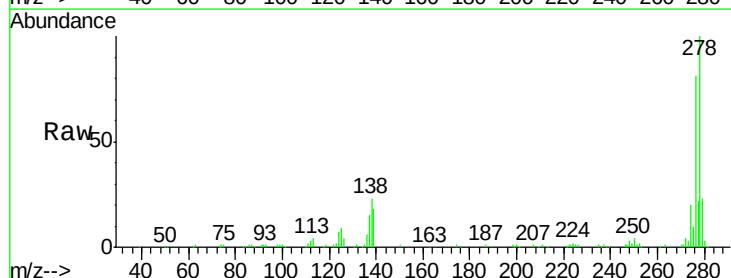
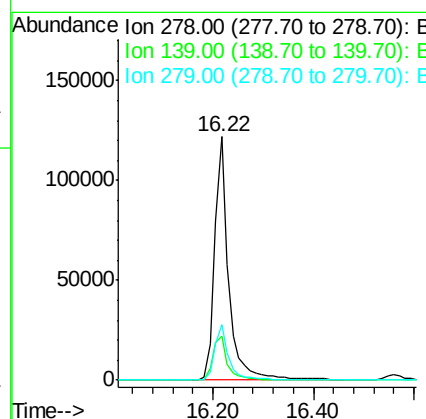
Manual Integrations

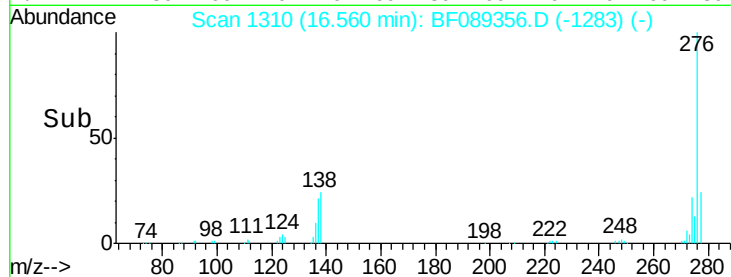
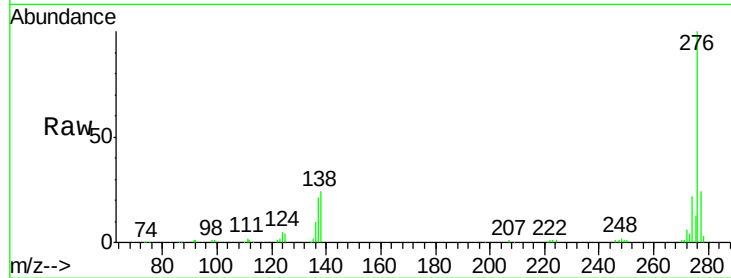
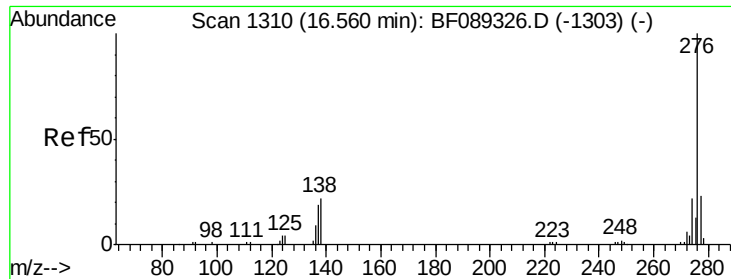
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#90
Dibenzo(a,h)anthracene
Concen: 53.90 ng
RT: 16.22 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	16.3	24.5
279	22.9	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 53.31 ng

RT: 16.56 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tgt Ion: 276 Resp: 229403

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 24.4 21.4 32.0

Manual Integrations

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