

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
 Data File : BF085135.D
 Acq On : 2 Mar 2016 22:38
 Operator : SJ/IZ
 Sample : H1617-03MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Manual Integrations
 APPROVED

UMANGI
 3/3/2016 1:42:59 PM

Quant Time: Mar 03 04:43:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 13:25:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	171420	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	655406	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	319125	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	555182	20.00	ng	0.00
75) Chrysene-d12	14.16	240	329216	20.00	ng	0.00
86) Perylene-d12	15.64	264	391207	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	1531028	145.00	ng	0.04
7) Phenol-d6	6.63	99	1860665	134.42	ng	0.01
23) Nitrobenzene-d5	7.56	82	1243304	100.93	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	497139	155.02	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	2101735	97.00	ng	0.00
78) Terphenyl-d14	13.10	244	1571716	111.99	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	214932	41.07	ng	# 84
3) Pyridine	3.61	79	405712	30.21	ng	99
4) n-Nitrosodimethylamine	3.56	42	269974	44.18	ng	88
6) Aniline	6.66	93	179726	9.15	ng	97
8) 2-Chlorophenol	6.78	128	565427	46.46	ng	97
9) Benzaldehyde	6.54	77	42891	3.74	ng	98
10) Phenol	6.64	94	685036	44.23	ng	88
11) bis(2-Chloroethyl)ether	6.73	93	608768	49.58	ng	99
12) 1,3-Dichlorobenzene	6.94	146	614510	47.01	ng	98
13) 1,4-Dichlorobenzene	7.01	146	573276	43.03	ng	99
14) 1,2-Dichlorobenzene	7.17	146	592511	50.51	ng	97
15) Benzyl Alcohol	7.13	79	513671	50.91	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.27	45	793415	43.85	ng	100
17) 2-Methylphenol	7.25	107	499382	48.97	ng	96
18) Hexachloroethane	7.51	117	229334	46.56	ng	92
19) n-Nitroso-di-n-propylamine	7.41	70	404955	44.39	ng	95
20) 3+4-Methylphenols	7.40	107	560764	46.01	ng	90
22) Acetophenone	7.41	105	813647	49.35	ng	# 94
24) Nitrobenzene	7.58	77	709100	55.49	ng	93
25) Isophorone	7.82	82	1185726	50.32	ng	97
26) 2-Nitrophenol	7.89	139	292065	51.11	ng	# 70
27) 2,4-Dimethylphenol	7.92	122	552653	49.90	ng	93
28) bis(2-Chloroethoxy)methane	8.02	93	731734	56.31	ng	100
29) 2,4-Dichlorophenol	8.14	162	474390	52.06	ng	# 84
30) 1,2,4-Trichlorobenzene	8.22	180	515797	51.93	ng	98
31) Naphthalene	8.30	128	1761681	53.15	ng	100
32) Benzoic acid	8.05	122	358776	53.84	ng	98
33) 4-Chloroaniline	8.34	127	80822	6.17	ng	# 93
34) Hexachlorobutadiene	8.41	225	293561	50.95	ng	98
35) Caprolactam	8.72	113	143696m	50.25	ng	
36) 4-Chloro-3-methylphenol	8.82	107	497522	49.38	ng	100
37) 2-Methylnaphthalene	9.00	142	1160029	57.25	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.16	216	440161	44.79	ng	99
40) Hexachlorocyclopentadiene	9.14	237	475062	84.90	ng	98

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
 Data File : BF085135.D
 Acq On : 2 Mar 2016 22:38
 Operator : SJ/IZ
 Sample : H1617-03MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Manual Integrations
 APPROVED

UMANGI
 3/3/2016 1:42:59 PM

Quant Time: Mar 03 04:43:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 13:25:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.27	196	366996	55.46	ng	99
43) 2,4,5-Trichlorophenol	9.32	196	341494	53.86	ng #	92
45) 1,1'-Biphenyl	9.45	154	1214134	42.86	ng	96
46) 2-Chloronaphthalene	9.49	162	1034485	50.07	ng	95
47) 2-Nitroaniline	9.58	65	315025	48.57	ng	92
48) Acenaphthylene	9.90	152	1513052	49.28	ng	99
49) Dimethylphthalate	9.76	163	1246225	52.67	ng	98
50) 2,6-Dinitrotoluene	9.82	165	290340	59.17	ng #	81
51) Acenaphthene	10.07	154	1106534	57.40	ng	99
52) 3-Nitroaniline	9.98	138	85007	14.58	ng	91
53) 2,4-Dinitrophenol	10.09	184	248020	91.76	ng #	1
54) Dibenzofuran	10.24	168	1351803	54.02	ng	99
55) 4-Nitrophenol	10.14	139	353999	79.15	ng #	61
56) 2,4-Dinitrotoluene	10.22	165	334008	50.52	ng	97
57) Fluorene	10.58	166	1042587	52.97	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.36	232	283617	59.05	ng	98
59) Diethylphthalate	10.46	149	1198412	52.85	ng	100
60) 4-Chlorophenyl-phenylether	10.57	204	508574	50.14	ng	96
61) 4-Nitroaniline	10.60	138	216258	39.58	ng	87
62) Azobenzene	10.73	77	1253230	54.70	ng	98
64) 4,6-Dinitro-2-methylphenol	10.63	198	176278	52.11	ng	85
65) n-Nitrosodiphenylamine	10.70	169	956788	54.68	ng	97
66) 4-Bromophenyl-phenylether	11.06	248	336725	57.76	ng	93
67) Hexachlorobenzene	11.13	284	367685	55.87	ng	96
68) Atrazine	11.21	200	290383	54.40	ng	99
69) Pentachlorophenol	11.33	266	425571	110.20	ng	99
70) Phenanthrene	11.54	178	1410662	51.08	ng	100
71) Anthracene	11.60	178	1585779	51.13	ng	98
72) Carbazole	11.75	167	1406116	52.10	ng	98
73) Di-n-butylphthalate	12.08	149	1703903	53.04	ng	99
74) Fluoranthene	12.73	202	1396213	46.07	ng	98
76) Benzidine	12.85	184	147810	14.85	ng	97
77) Pyrene	12.96	202	1377270	61.28	ng	98
79) Butylbenzylphthalate	13.57	149	531194	55.81	ng #	64
80) Benzo(a)anthracene	14.15	228	1040750	54.45	ng	99
81) 3,3'-Dichlorobenzidine	14.11	252	182451	30.54	ng #	97
82) Chrysene	14.19	228	1001455	57.37	ng	98
83) Bis(2-ethylhexyl)phthalate	14.13	149	680371	61.92	ng	100
84) Di-n-octyl phthalate	14.75	149	1155507	70.84	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	1271247	86.13	ng	99
87) Benzo(b)fluoranthene	15.20	252	1088920	45.71	ng	99
88) Benzo(k)fluoranthene	15.24	252	1011297m	49.02	ng	
89) Benzo(a)pyrene	15.57	252	1068988	53.36	ng	99
90) Dibenzo(a,h)anthracene	17.15	278	1083673	60.05	ng	98
91) Benzo(g,h,i)perylene	17.58	276	1023119	55.76	ng	98

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

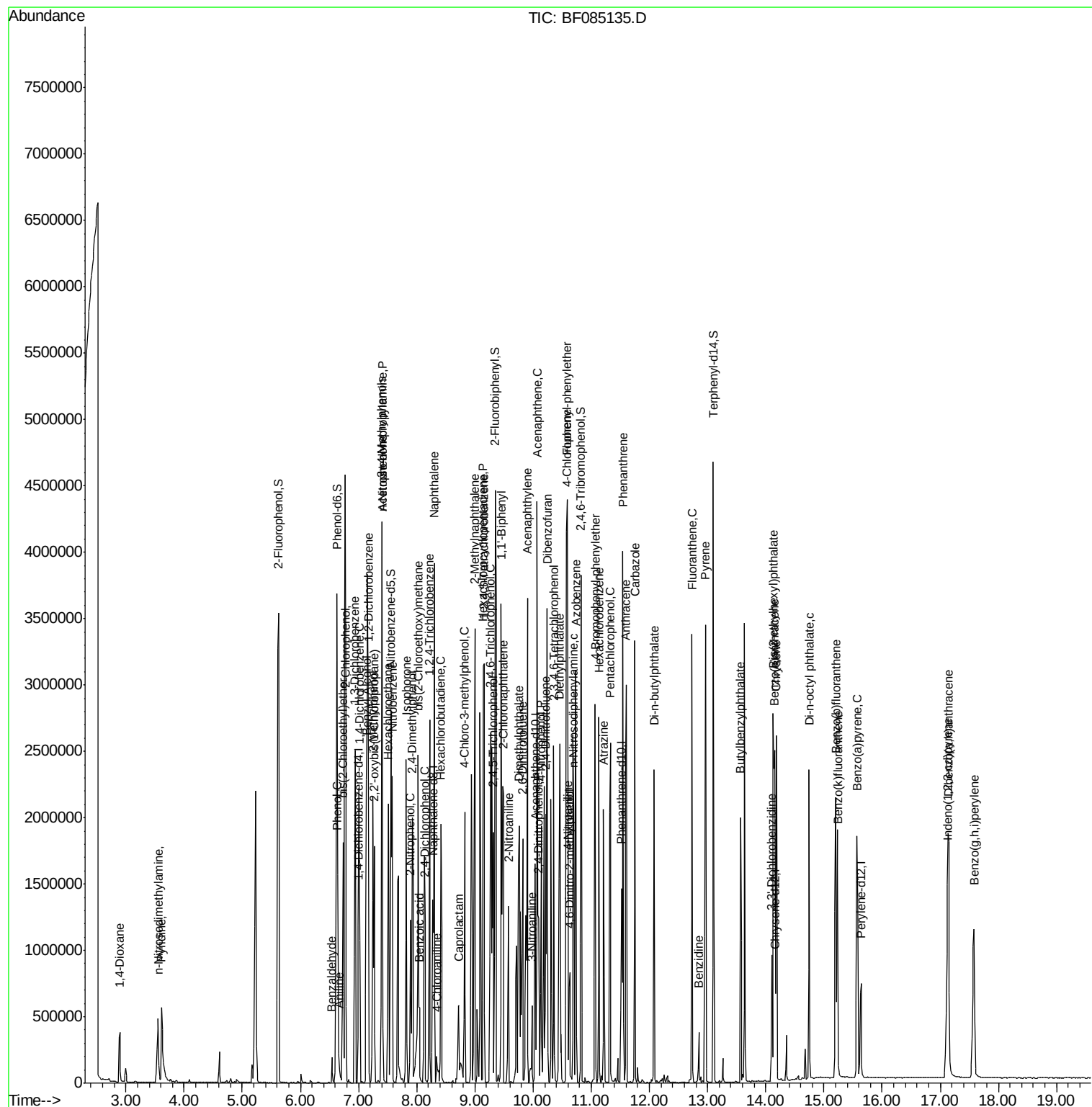
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
Data File : BF085135.D
Acq On : 2 Mar 2016 22:38
Operator : SJ/IZ
Sample : H1617-03MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

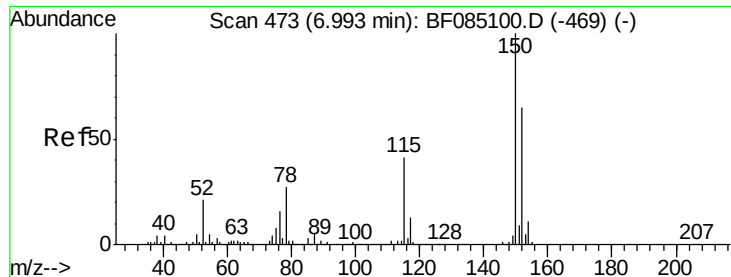
Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM

Quant Time: Mar 03 04:43:16 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 02 13:25:39 2016
Response via : Initial Calibration

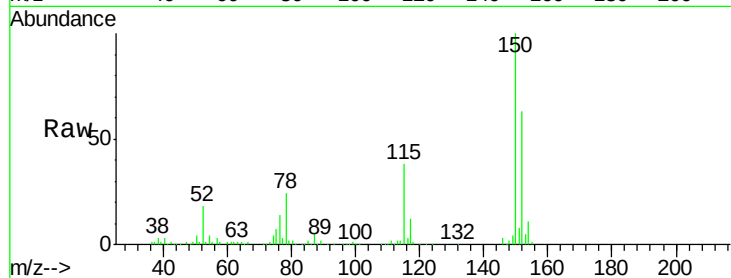




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

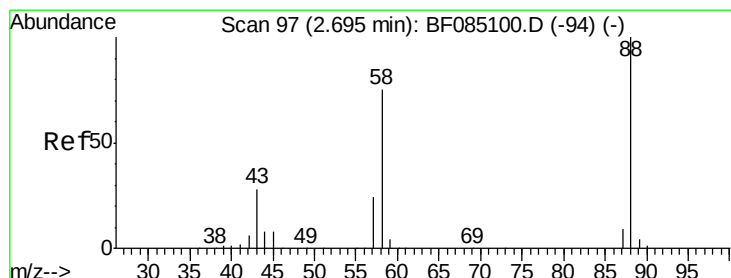
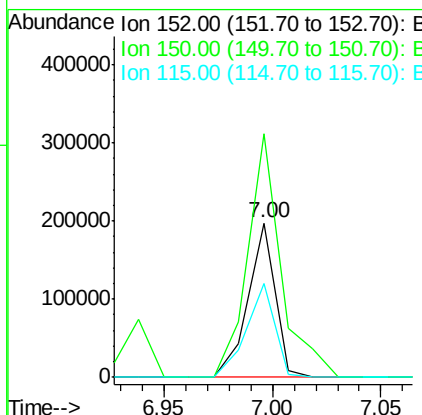
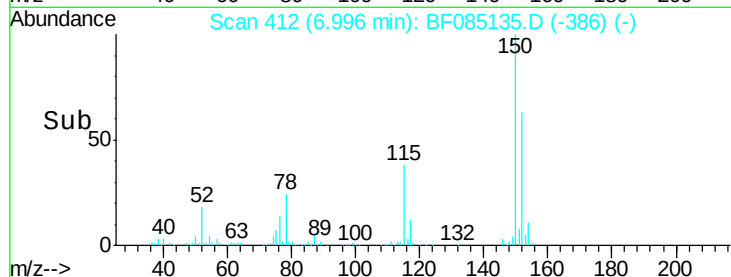
Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	123.4	185.0
115	60.5	50.0	75.0

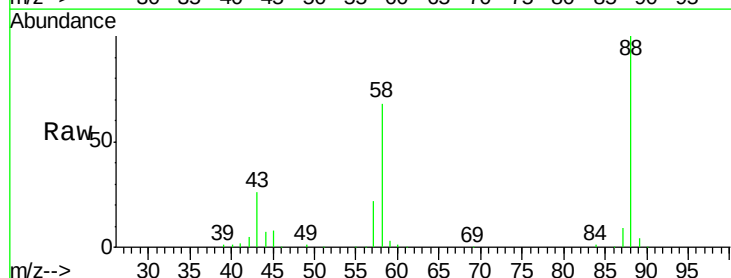
Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM

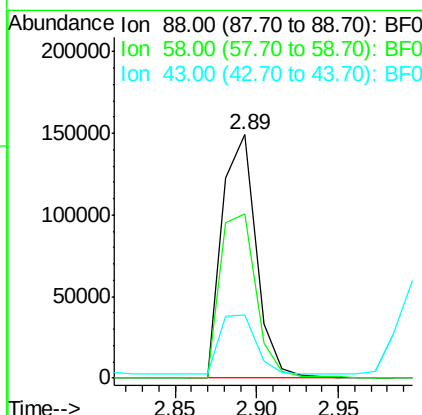
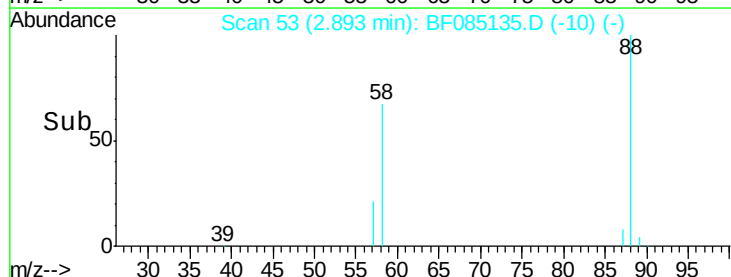


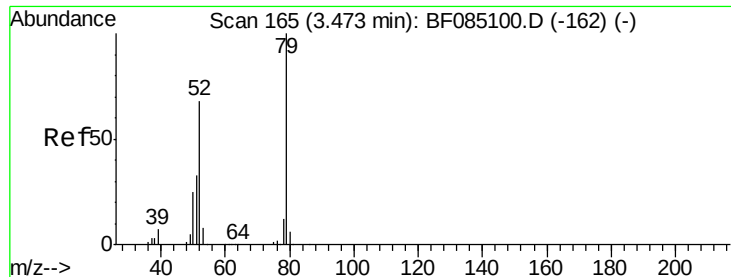
#2

1,4-Dioxane
Concen: 41.07 ng
RT: 2.89 min Scan# 53
Delta R.T. 0.20 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38



Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.7	58.4	87.6
43	0.0	22.2	33.4





#3

Pyridine

Concen: 30.21 ng

RT: 3.61 min Scan# 116

Delta R.T. 0.14 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

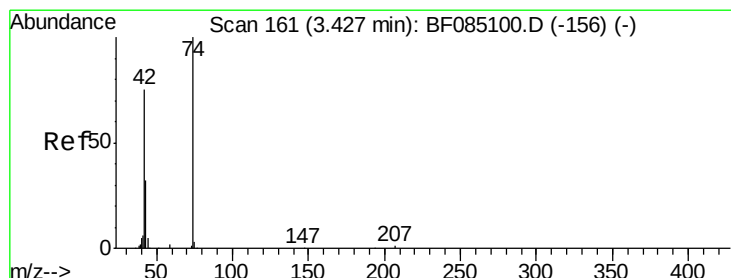
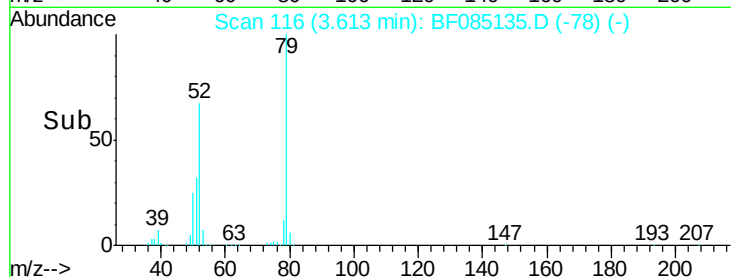
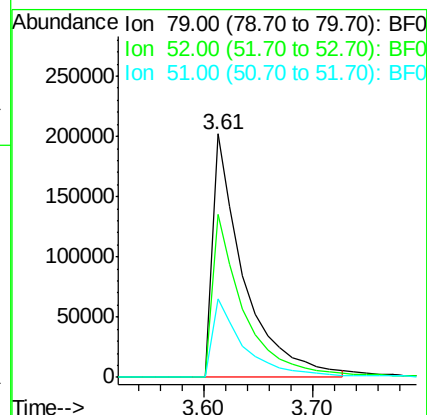
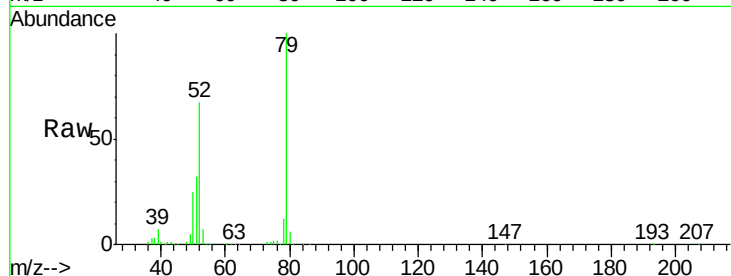
ClientSampleId :

20160225-WC-CMSD

Tgt Ion:	79	Resp:	405712
Ion Ratio	Lower	Upper	
79	100		
52	66.7	54.1	81.1
51	32.2	26.6	40.0

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#4

n-Nitrosodimethylamine

Concen: 44.18 ng

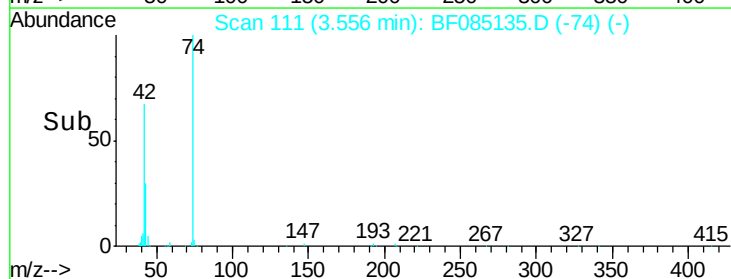
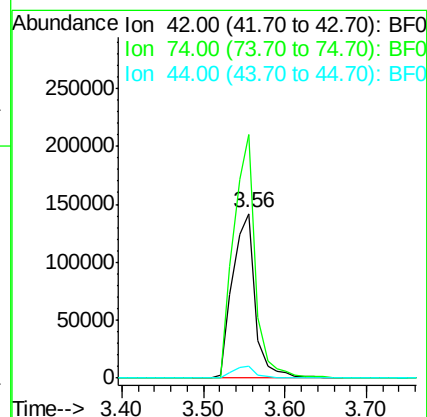
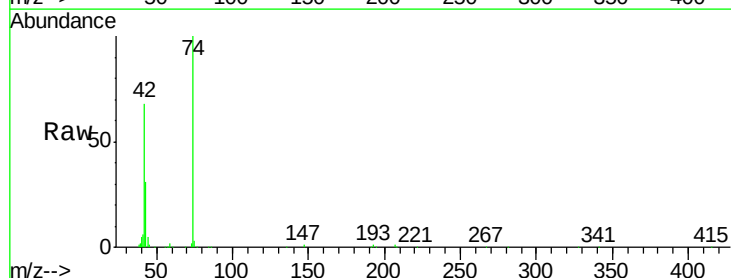
RT: 3.56 min Scan# 111

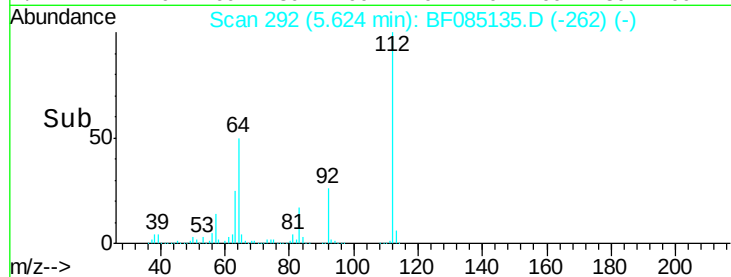
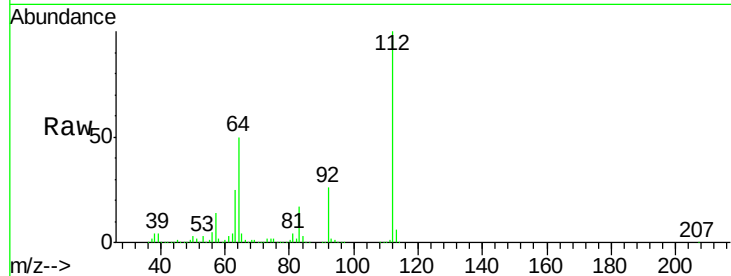
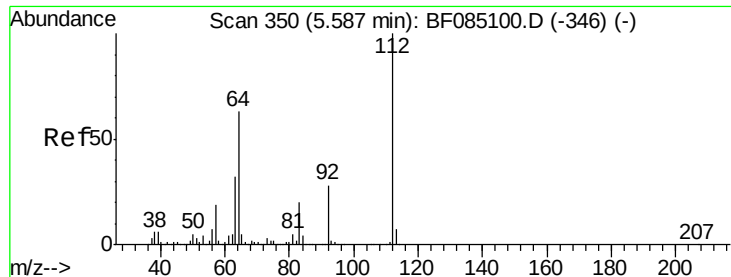
Delta R.T. 0.13 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion:	42	Resp:	269974
Ion Ratio	Lower	Upper	
42	100		
74	147.8	106.6	160.0
44	7.0	5.4	8.2





#5

2-Fluorophenol

Concen: 145.00 ng

RT: 5.62 min Scan# 292

Delta R.T. 0.04 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion:	112	Resp:	1531028
Ion	Ratio	Lower	Upper
112	100		
64	49.6	50.6	76.0#
63	24.5	25.5	38.3#

Instrument :

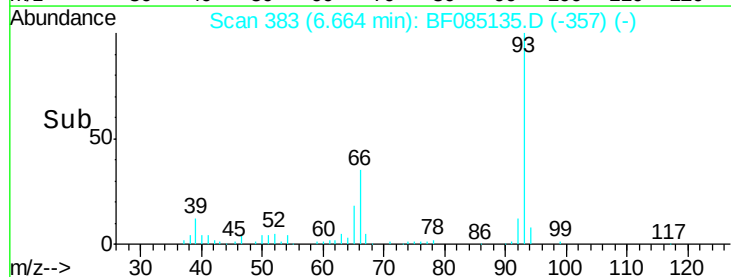
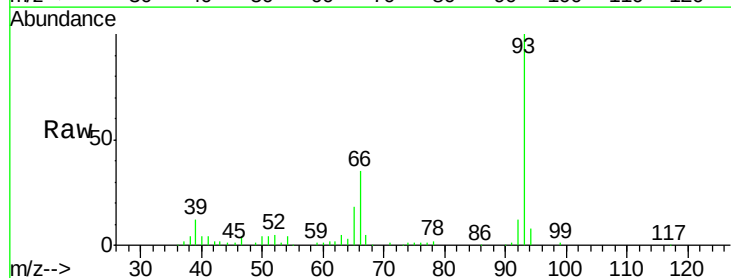
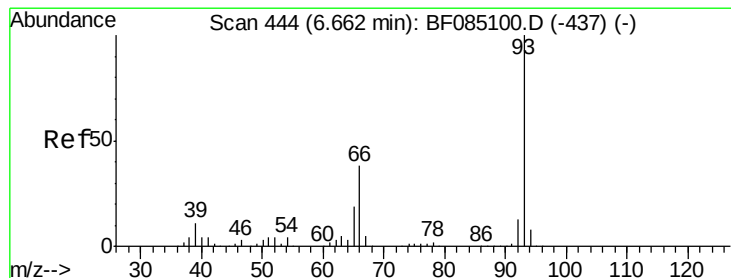
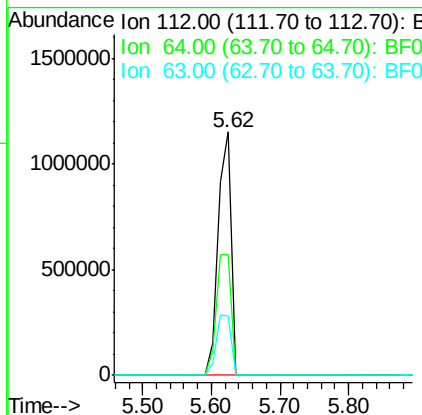
BNA_F

ClientSampleId :

20160225-WC-CMSD

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#6

Aniline

Concen: 9.15 ng

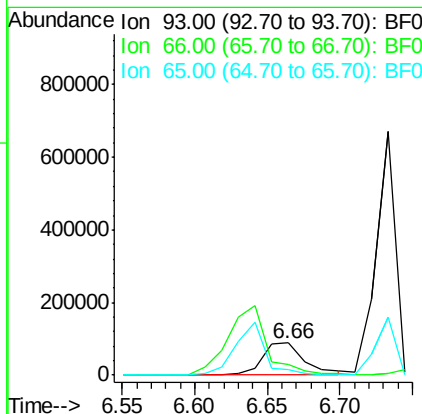
RT: 6.66 min Scan# 383

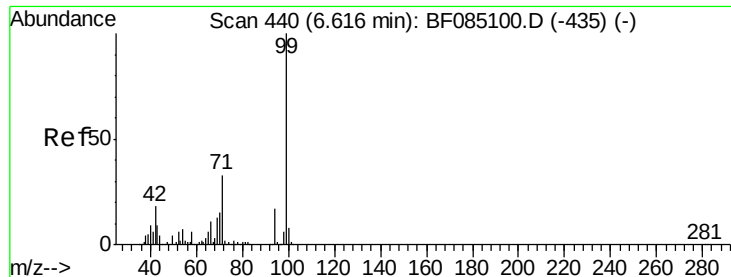
Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion:	93	Resp:	179726
Ion	Ratio	Lower	Upper
93	100		
66	35.4	30.1	45.1
65	18.2	15.0	22.6





#7

Phenol-d6

Concen: 134.42 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF085135.D

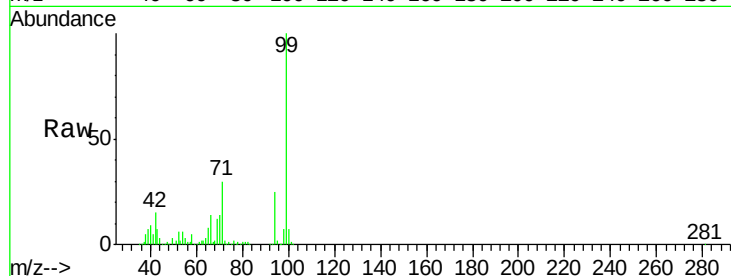
Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

20160225-WC-CMSD



Tgt Ion: 99 Resp: 1860665

Ion Ratio Lower Upper

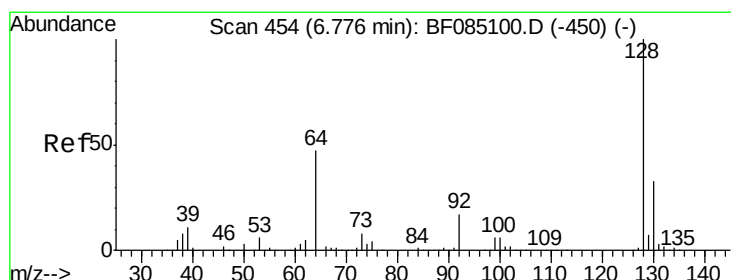
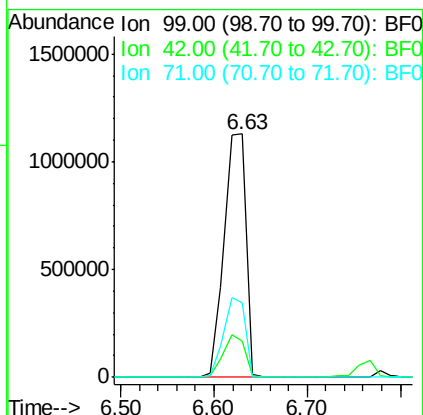
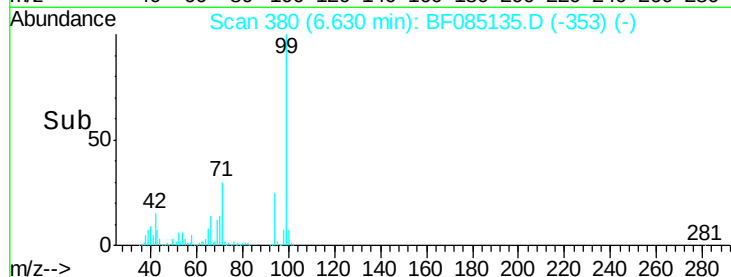
99 100

42 14.9 14.1 21.1

71 30.4 26.8 40.2

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#8

2-Chlorophenol

Concen: 46.46 ng

RT: 6.78 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

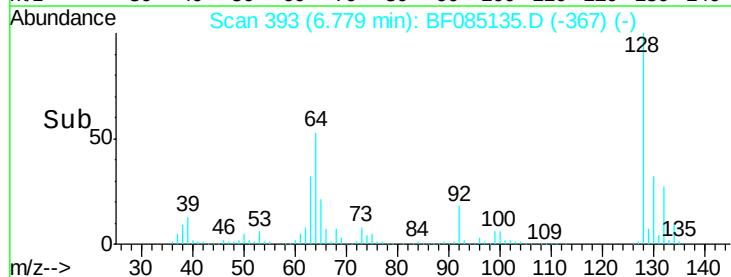
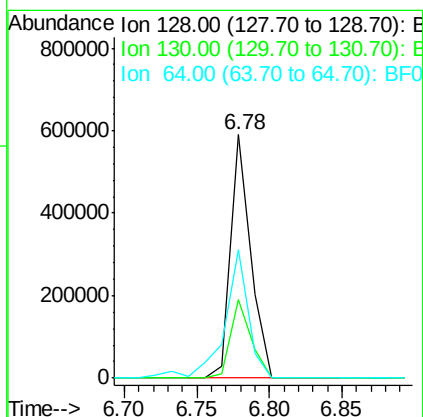
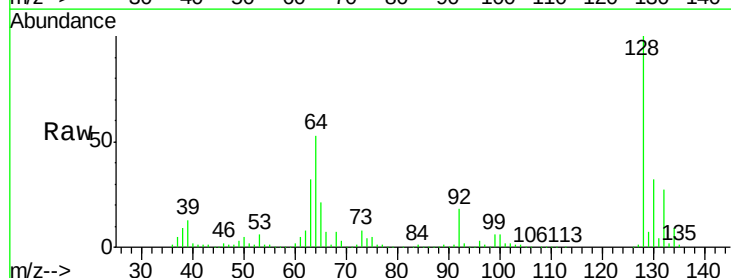
Tgt Ion: 128 Resp: 565427

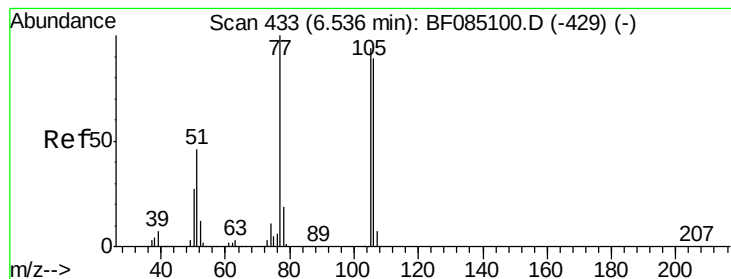
Ion Ratio Lower Upper

128 100

130 32.1 13.1 53.1

64 52.8 29.6 69.6





#9

Benzaldehyde

Concen: 3.74 ng

RT: 6.54 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF085135.D

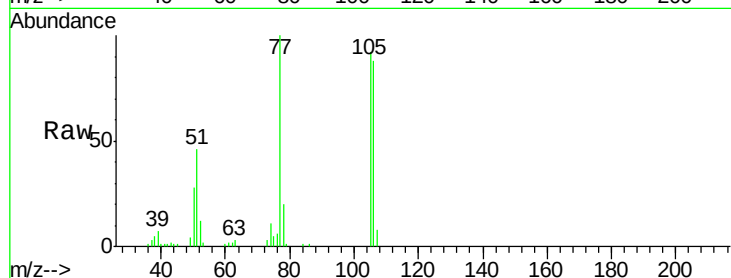
Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

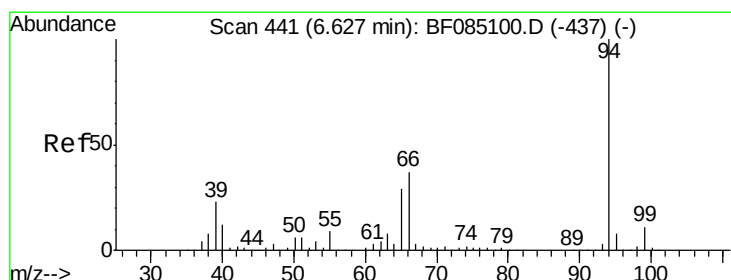
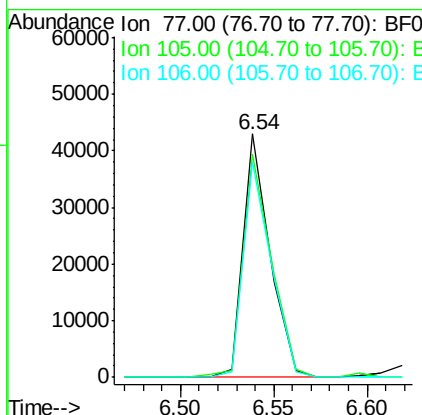
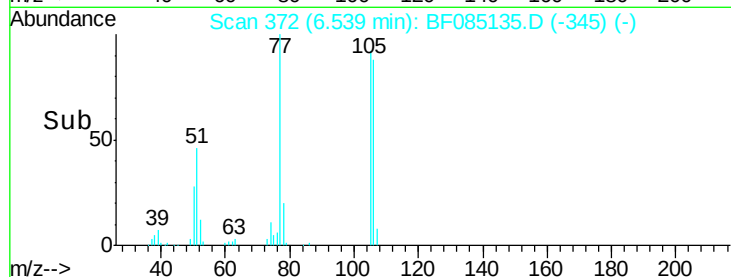
20160225-WC-CMSD



Tgt Ion:	77	Resp:	42891
Ion	Ratio	Lower	Upper
77	100		
105	91.5	73.7	113.7
106	88.3	69.2	109.2

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#10

Phenol

Concen: 44.23 ng

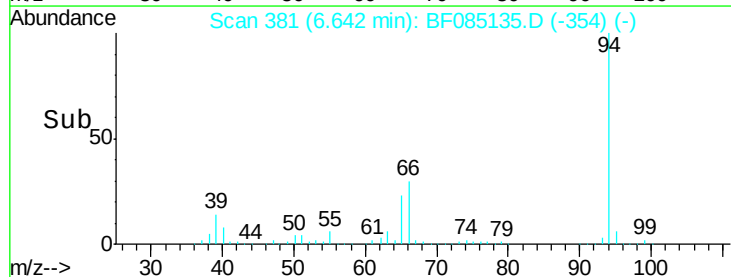
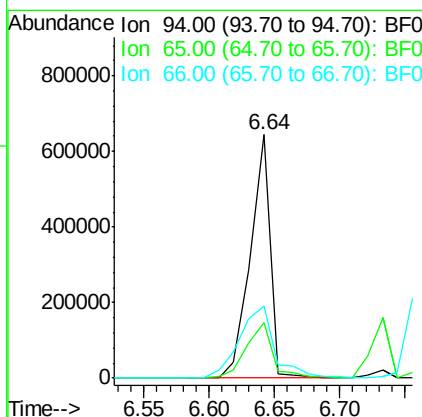
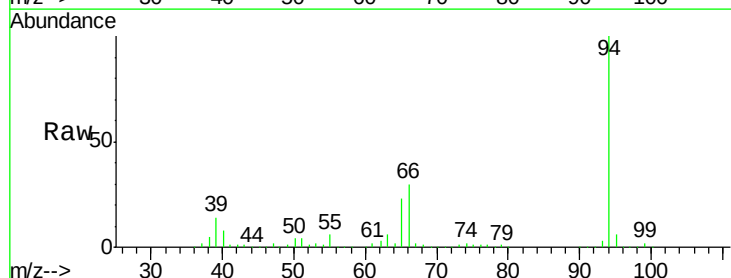
RT: 6.64 min Scan# 381

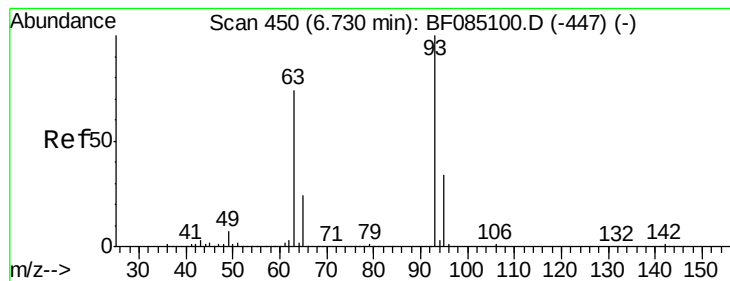
Delta R.T. 0.01 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion:	94	Resp:	685036
Ion	Ratio	Lower	Upper
94	100		
65	22.8	9.1	49.1
66	29.9	17.5	57.5





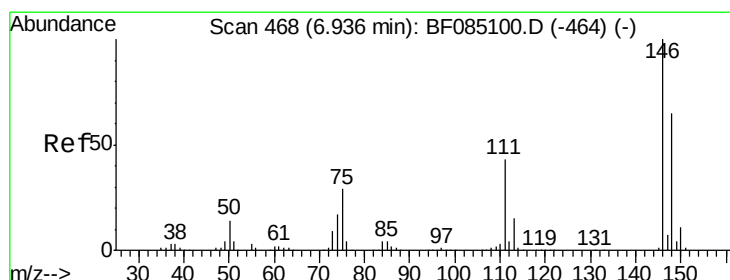
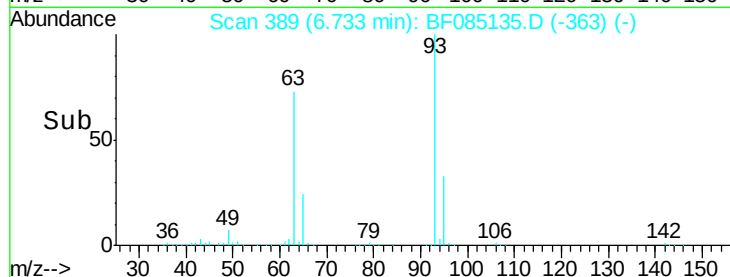
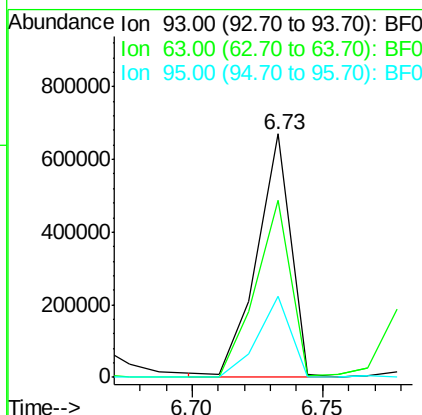
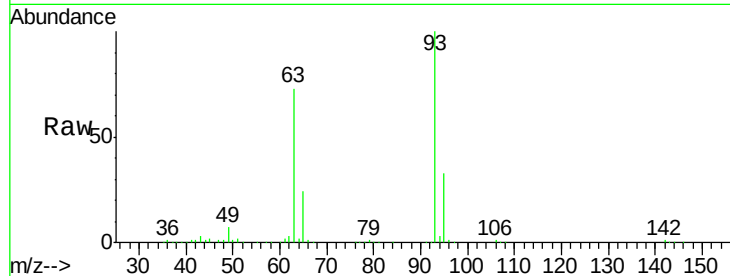
#11
bis(2-Chloroethyl)ether
Concen: 49.58 ng
RT: 6.73 min Scan# 389
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

Tgt Ion	Ratio	Lower	Upper
93	100		
63	72.9	53.9	93.9
95	33.1	13.8	53.8

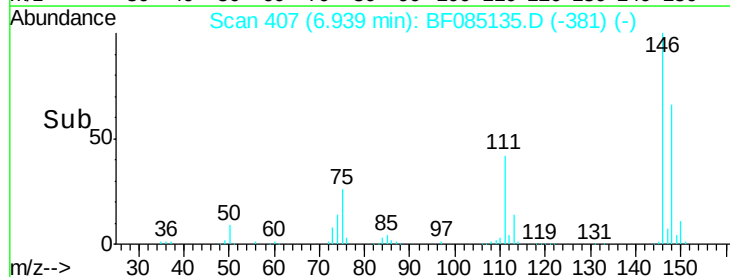
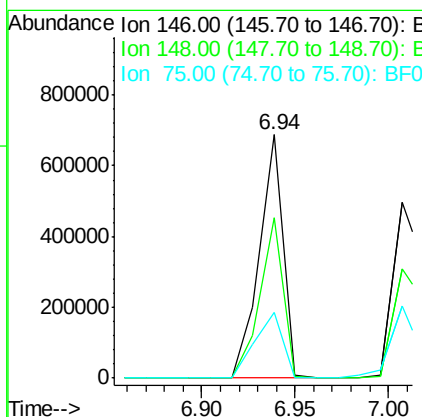
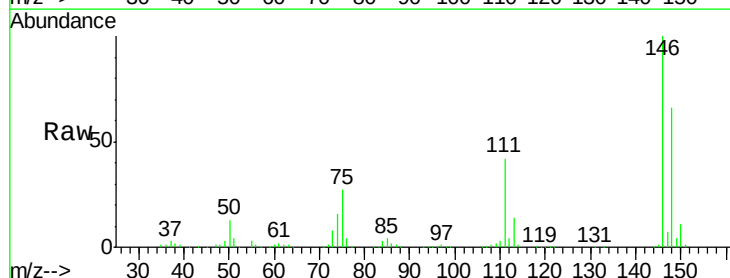
Manual Integrations
APPROVED

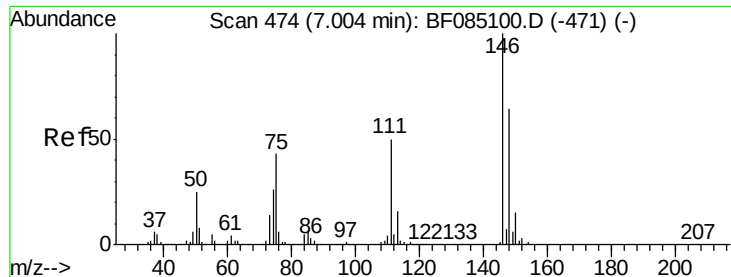
UMANGI
3/3/2016 1:42:59 PM



#12
1,3-Dichlorobenzene
Concen: 47.01 ng
RT: 6.94 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.9	77.9
75	26.9	23.3	34.9





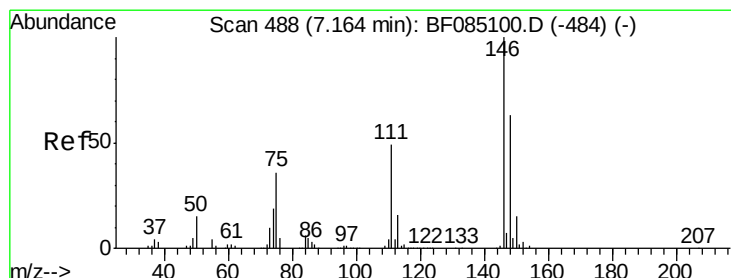
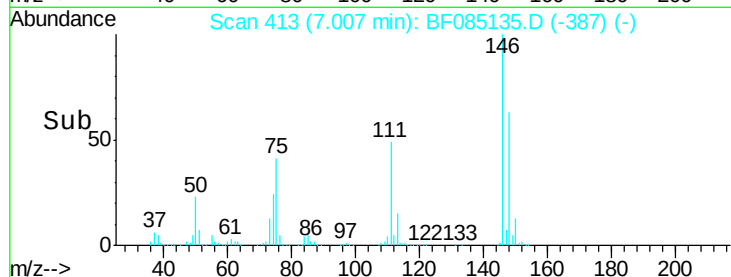
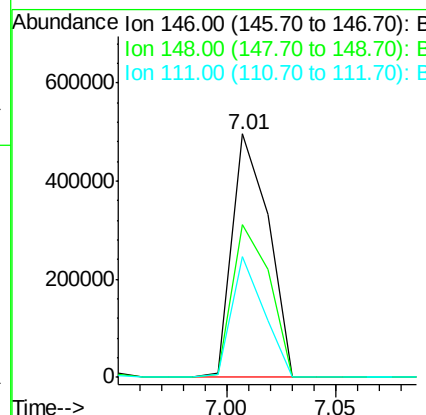
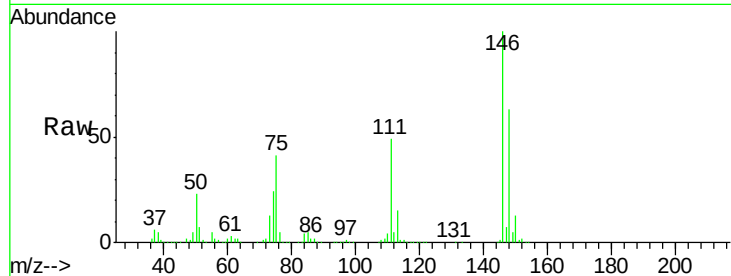
#13
 1,4-Dichlorobenzene
 Concen: 43.03 ng
 RT: 7.01 min Scan# 413
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.1	76.7
111	49.4	40.0	60.0

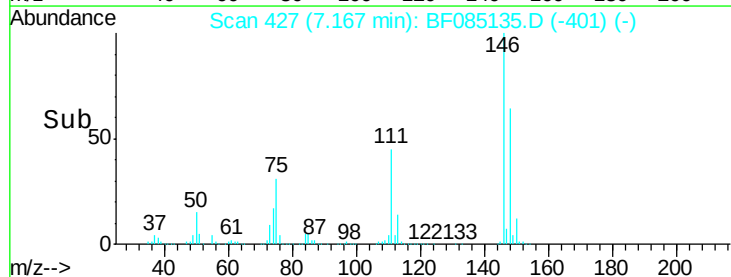
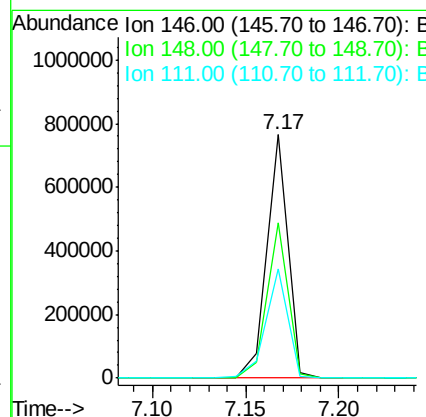
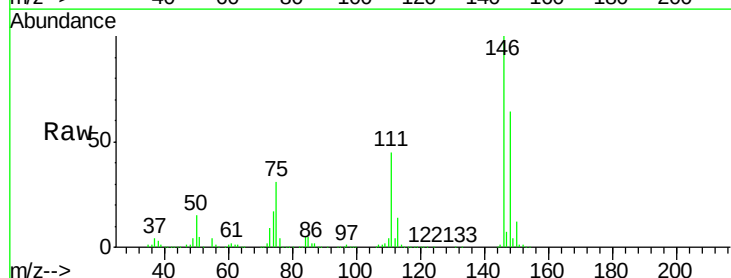
Manual Integrations
 APPROVED

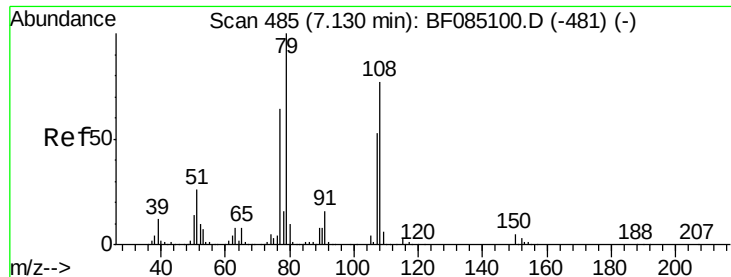
UMANGI
 3/3/2016 1:42:59 PM



#14
 1,2-Dichlorobenzene
 Concen: 50.51 ng
 RT: 7.17 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	45.0	38.9	58.3





#15

Benzyl Alcohol

Concen: 50.91 ng

RT: 7.13 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

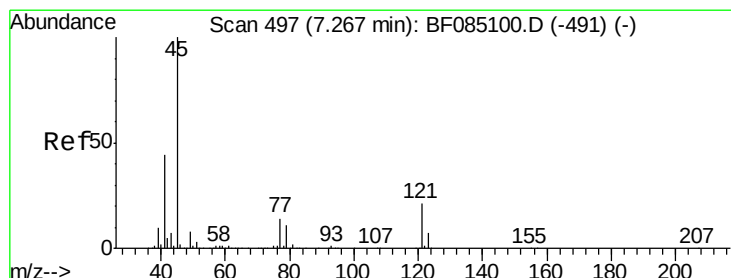
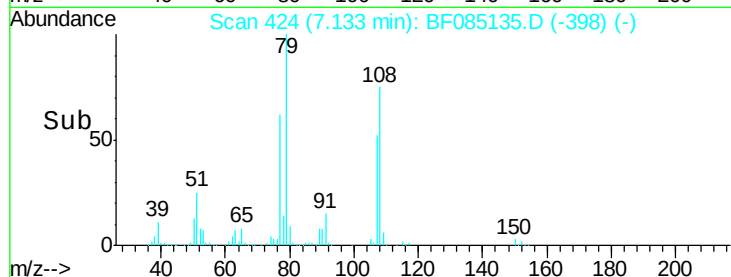
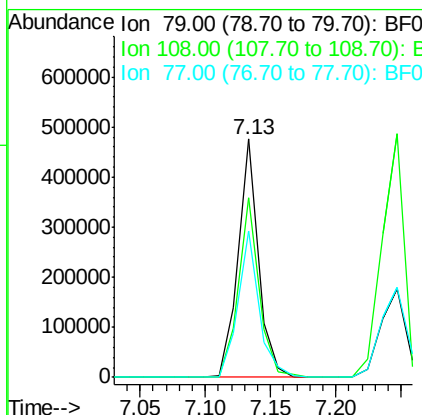
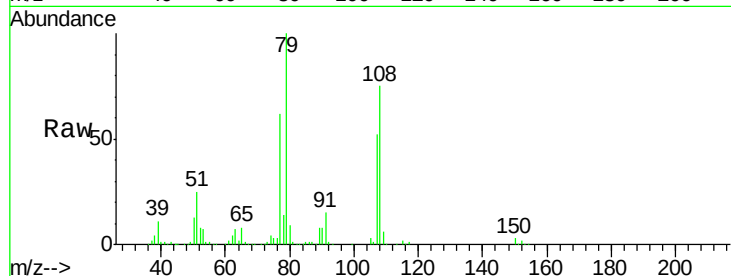
ClientSampleId :

20160225-WC-CMSD

Tgt Ion:	79	Resp:	513671
Ion Ratio	Lower	Upper	
79	100		
108	75.4	61.8	92.6
77	61.6	51.2	76.8

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.85 ng

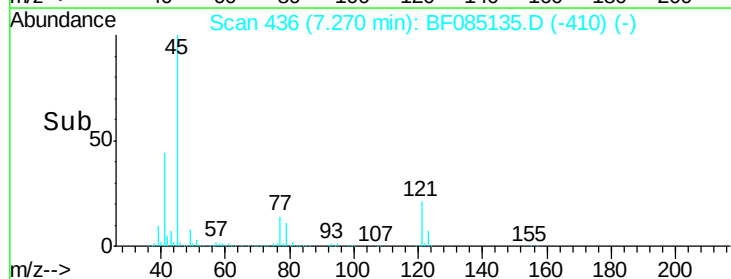
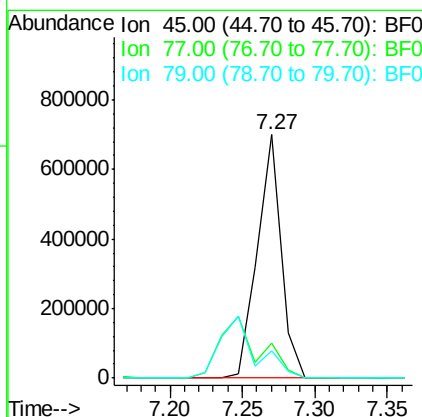
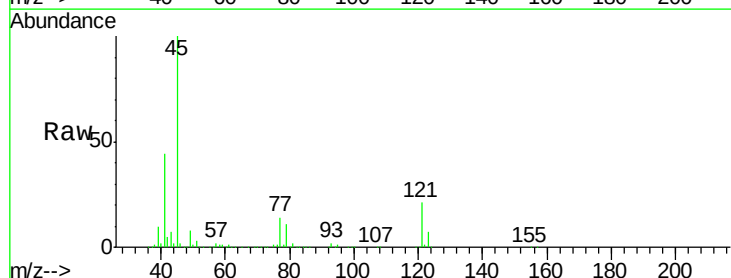
RT: 7.27 min Scan# 436

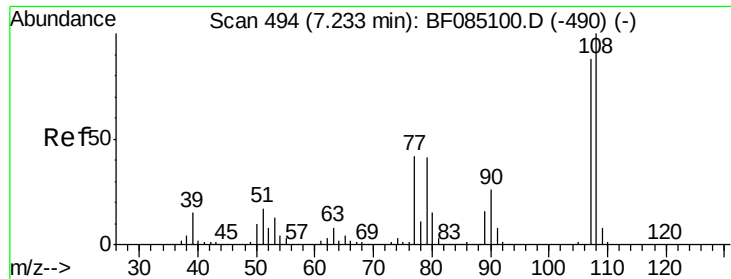
Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion:	45	Resp:	793415
Ion Ratio	Lower	Upper	
45	100		
77	14.5	0.0	34.4
79	11.3	0.0	31.1





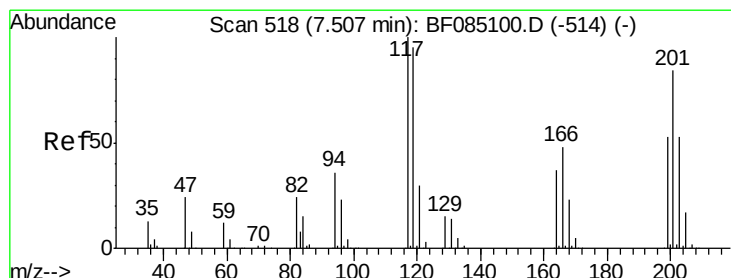
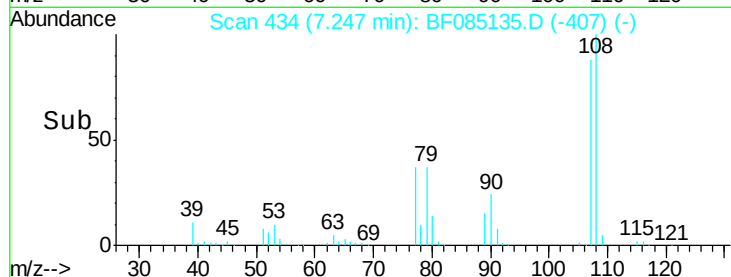
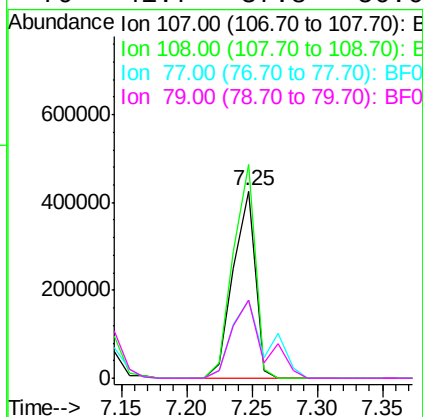
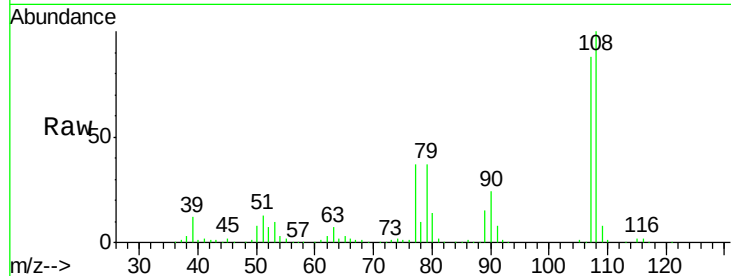
#17
2-Methylphenol
Concen: 48.97 ng
RT: 7.25 min Scan# 434
Delta R.T. 0.01 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	499382		
108	114.0	91.4	137.2	
77	42.0	38.7	58.1	
79	41.7	37.8	56.6	

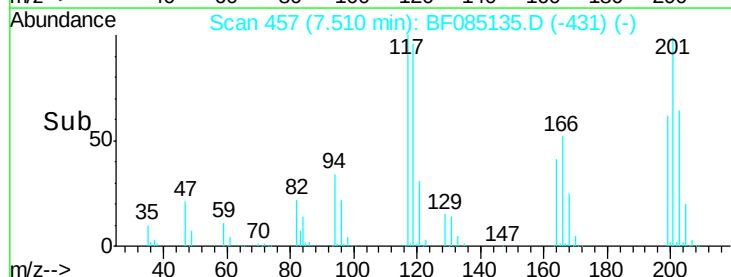
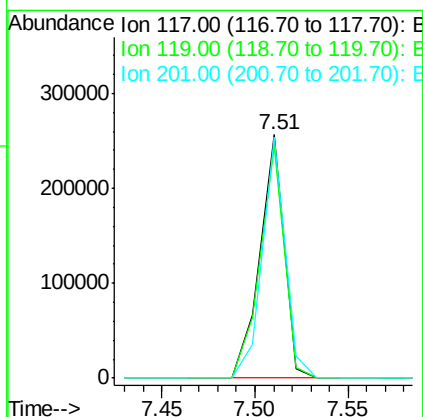
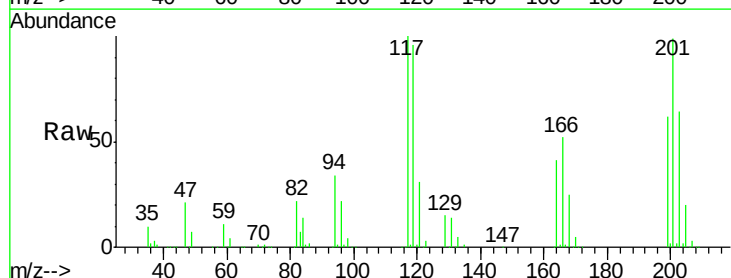
Manual Integrations
APPROVED

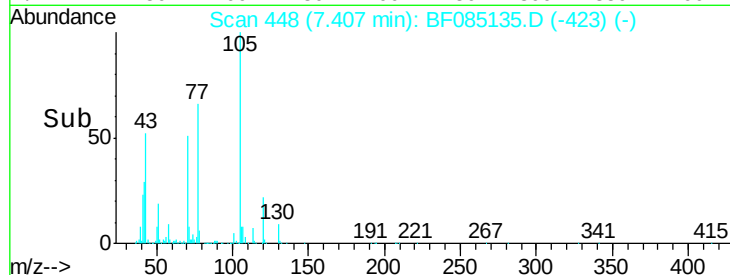
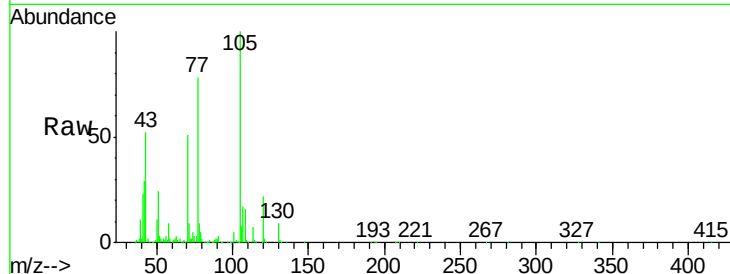
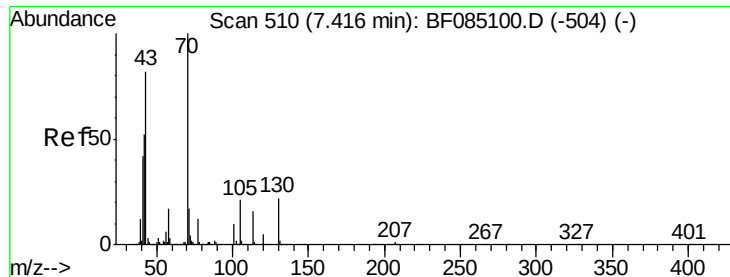
UMANGI
3/3/2016 1:42:59 PM



#18
Hexachloroethane
Concen: 46.56 ng
RT: 7.51 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	229334		
119	95.6	76.2	114.4	
201	98.9	66.8	100.2	





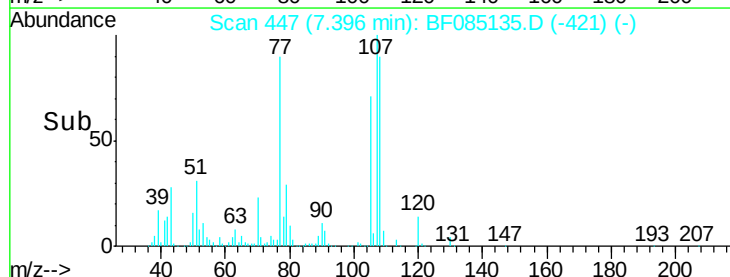
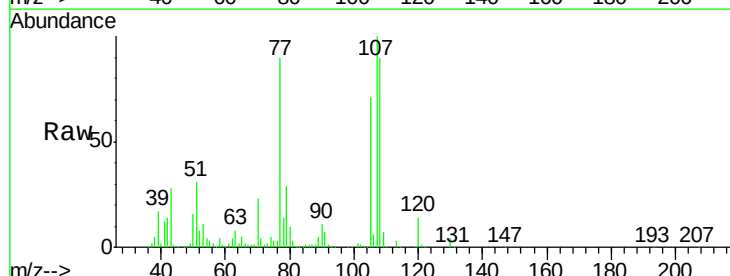
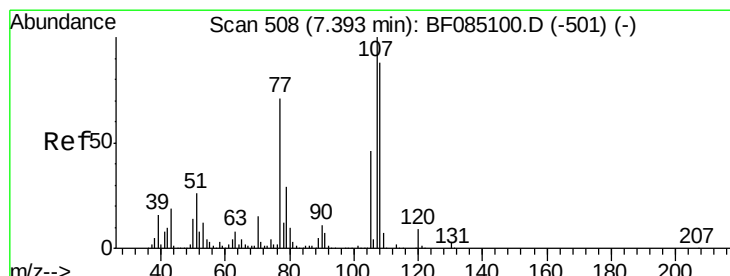
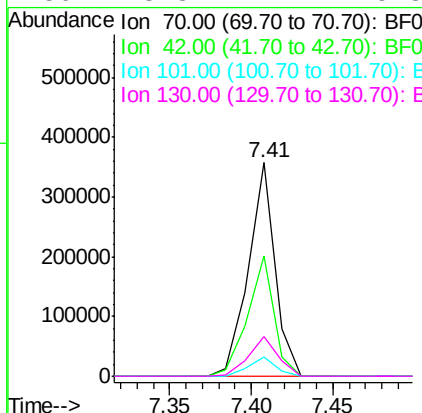
#19
n-Nitroso-di-n-propylamine
Concen: 44.39 ng
RT: 7.41 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

Manual Integrations
APPROVED

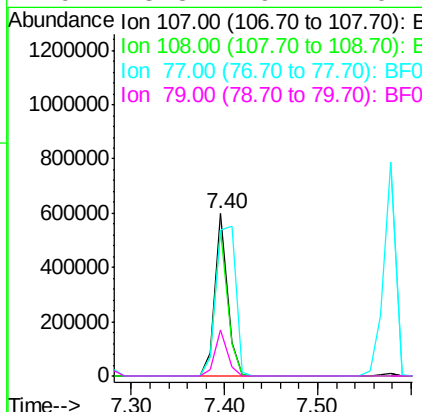
UMANGI
3/3/2016 1:42:59 PM

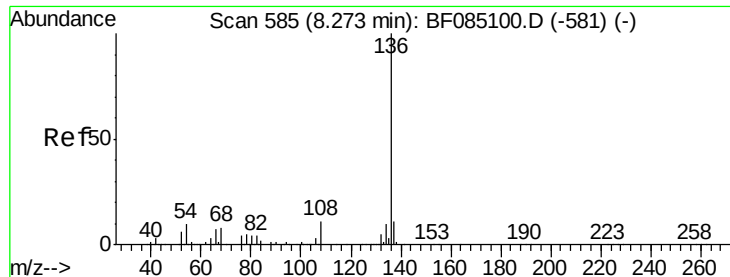
Tgt Ion	Ratio	Lower	Upper
70	100		
42	56.3	41.9	62.9
101	9.1	7.8	11.8
130	18.3	17.2	25.8



#20
3+4-Methylphenols
Concen: 46.01 ng
RT: 7.40 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.6	67.8	107.8
77	89.7	50.6	90.6
79	28.8	9.1	49.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF085135.D

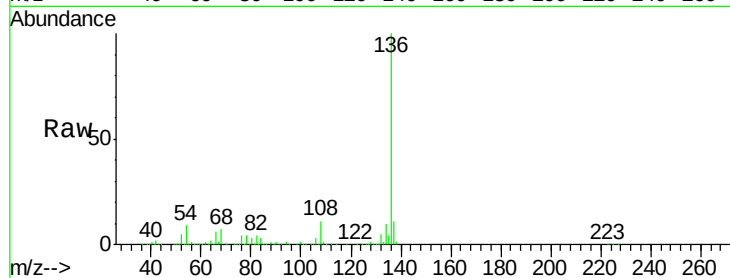
Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

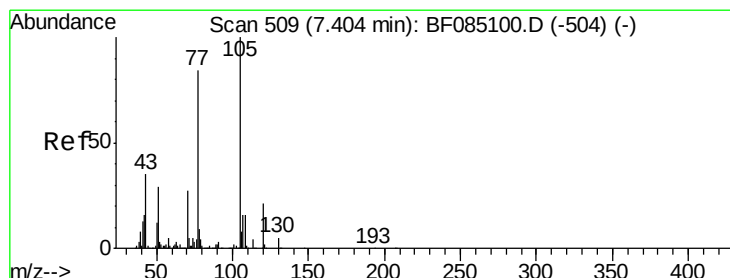
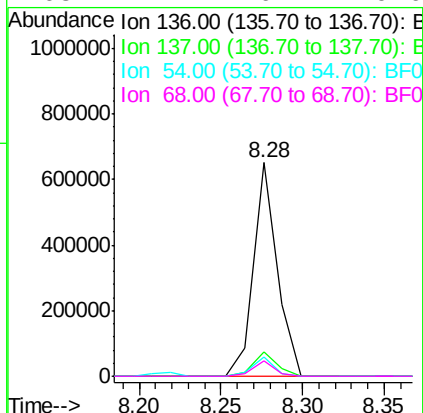
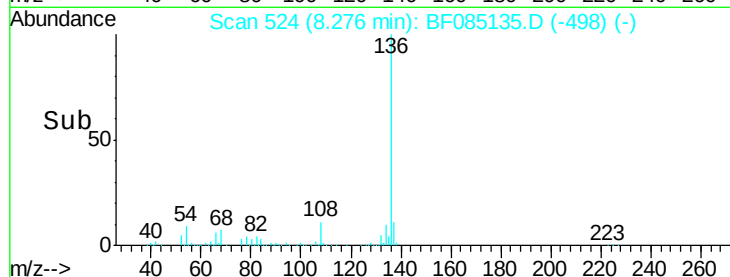
20160225-WC-CMSD



Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.2	9.1	13.7
54	9.1	8.5	12.7
68	7.1	6.4	9.6

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#22

Acetophenone

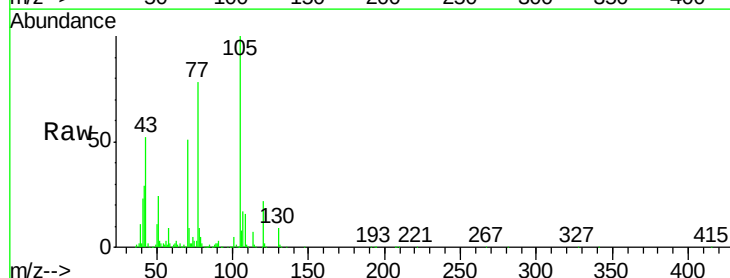
Concen: 49.35 ng

RT: 7.41 min Scan# 448

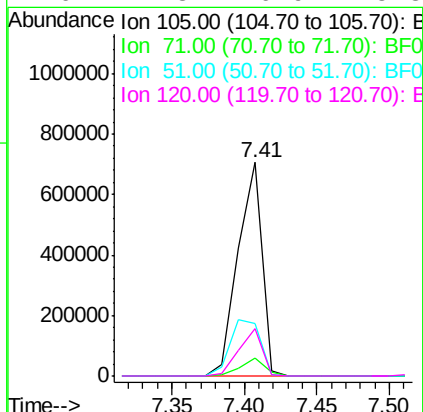
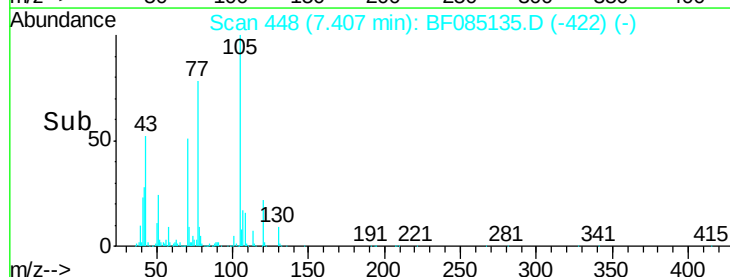
Delta R.T. 0.00 min

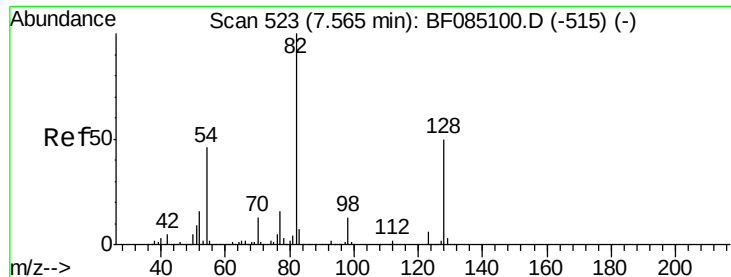
Lab File: BF085135.D

Acq: 2 Mar 2016 22:38



Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
71	8.6	3.8	5.6#
51	24.5	22.9	34.3
120	22.3	16.9	25.3





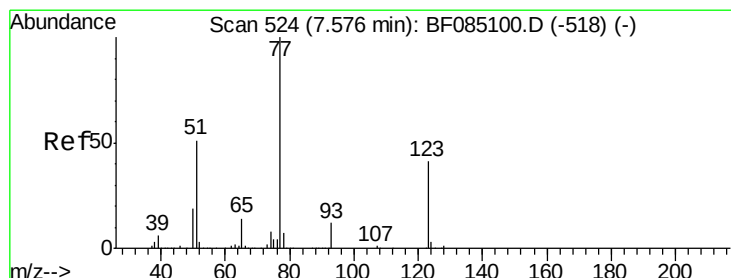
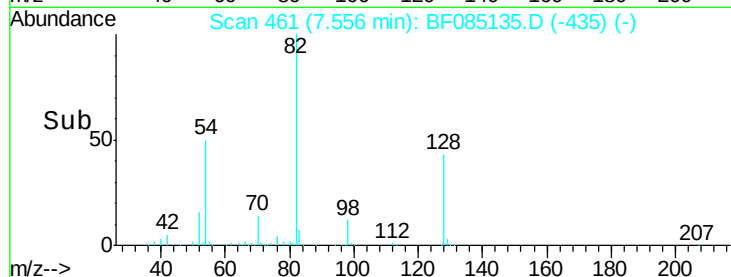
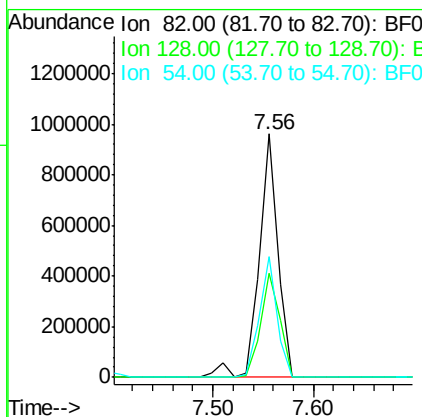
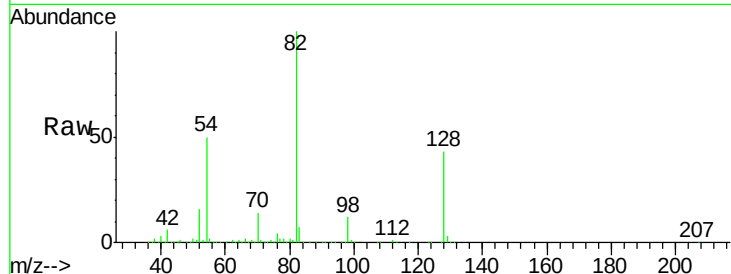
#23
 Nitrobenzene-d5
 Concen: 100.93 ng
 RT: 7.56 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion: 82 Resp: 1243304
 Ion Ratio Lower Upper
 82 100
 128 42.8 39.8 59.6
 54 49.6 36.6 54.8

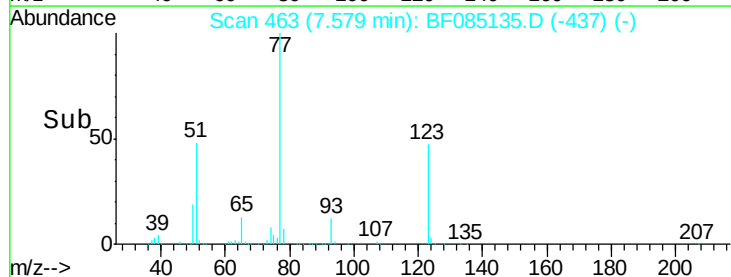
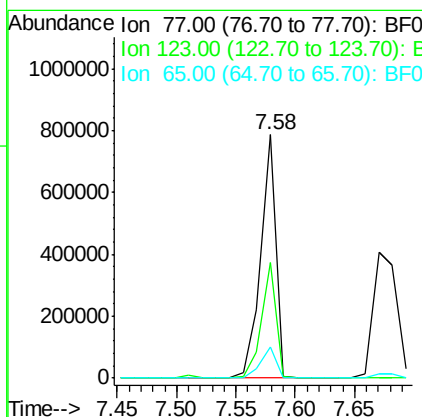
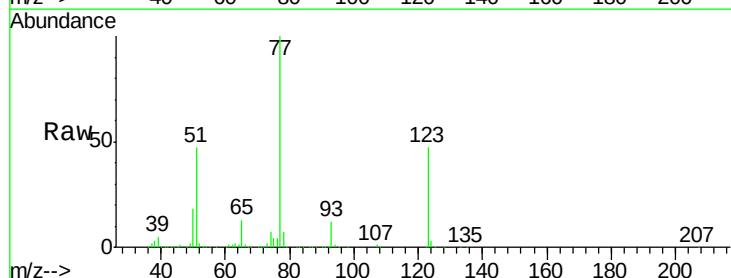
Manual Integrations
 APPROVED

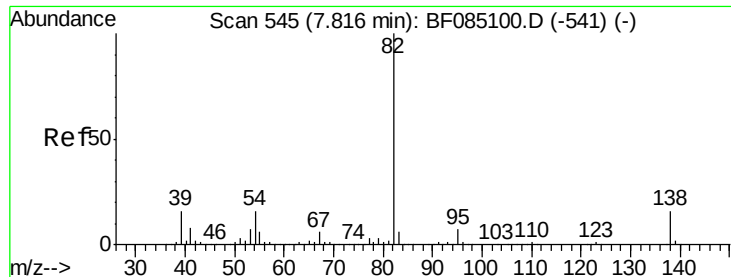
UMANGI
 3/3/2016 1:42:59 PM



#24
 Nitrobenzene
 Concen: 55.49 ng
 RT: 7.58 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion: 77 Resp: 709100
 Ion Ratio Lower Upper
 77 100
 123 47.4 33.4 50.2
 65 13.1 10.9 16.3





#25

Isophorone

Concen: 50.32 ng

RT: 7.82 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

20160225-WC-CMSD

Tgt Ion: 82 Resp: 1185726

Ion Ratio Lower Upper

82 100

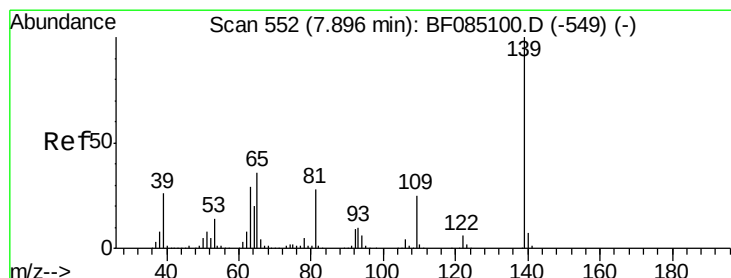
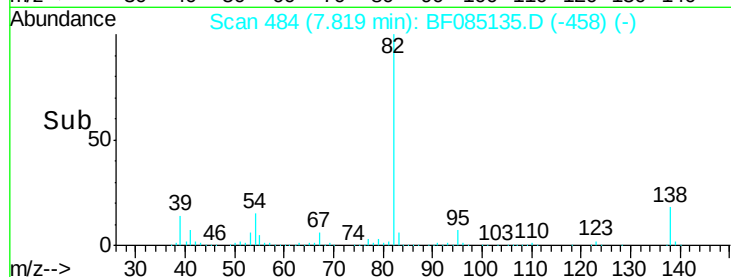
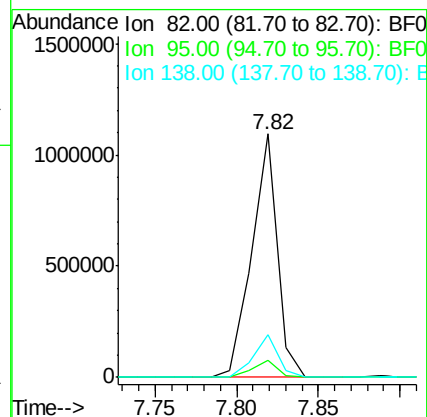
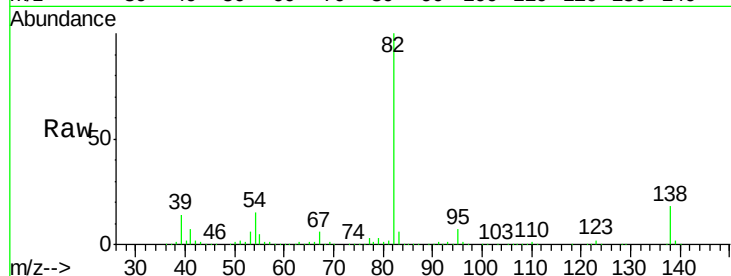
95 7.1 5.6 8.4

138 17.7 12.6 18.8

Manual Integrations
APPROVED

UMANGI

3/3/2016 1:42:59 PM



#26

2-Nitrophenol

Concen: 51.11 ng

RT: 7.89 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

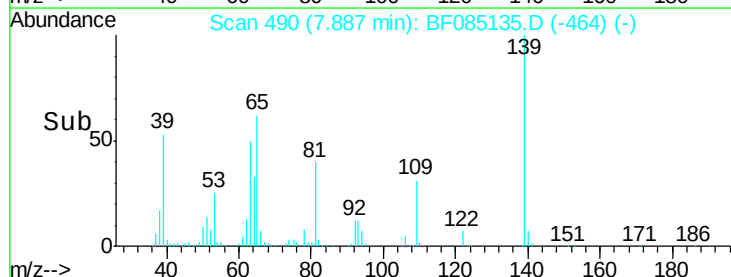
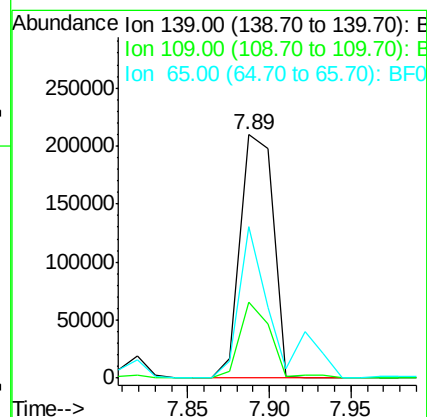
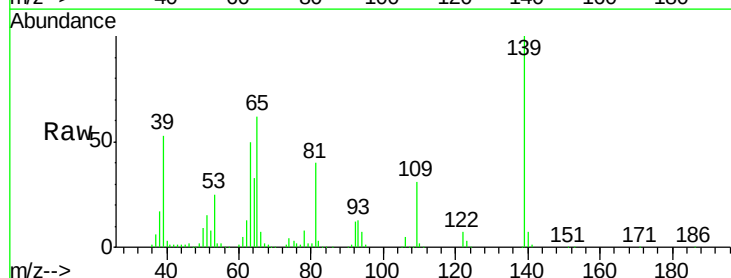
Tgt Ion: 139 Resp: 292065

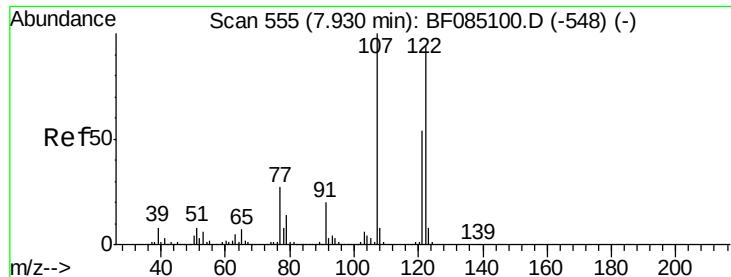
Ion Ratio Lower Upper

139 100

109 31.4 20.4 30.6#

65 62.0 29.2 43.8#





#27

2,4-Dimethylphenol

Concen: 49.90 ng

RT: 7.92 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

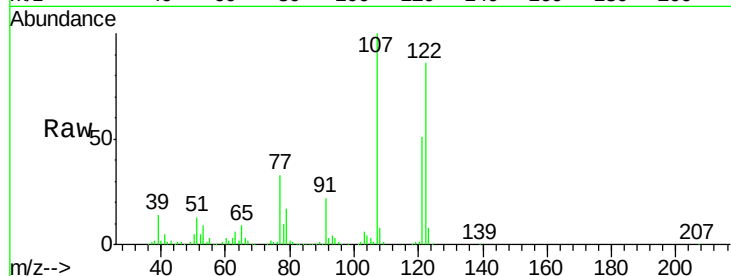
20160225-WC-CMSD

Manual Integrations
APPROVED

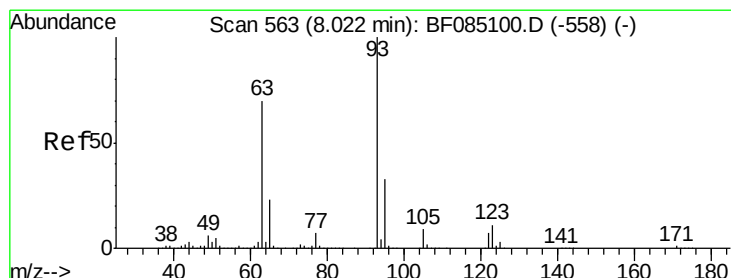
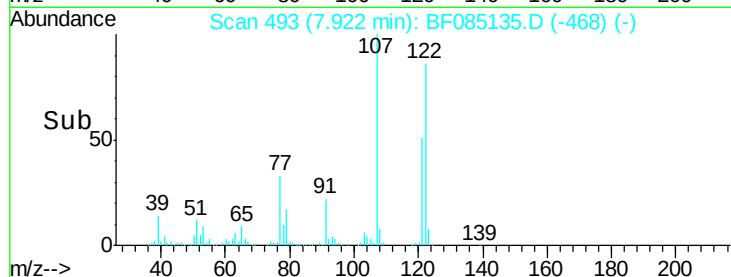
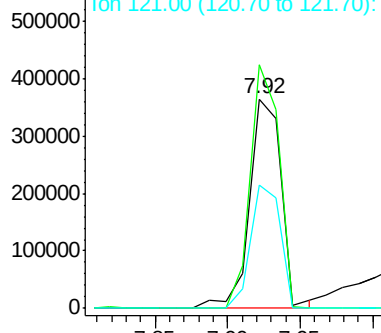
UMANGI

3/3/2016 1:42:59 PM

Tgt Ion:	122	Resp:	552653
Ion Ratio	Lower	Upper	
122	100		
107	116.1	85.0	127.4
121	58.9	45.8	68.8



Abundance Ion 122.00 (121.70 to 122.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 56.31 ng

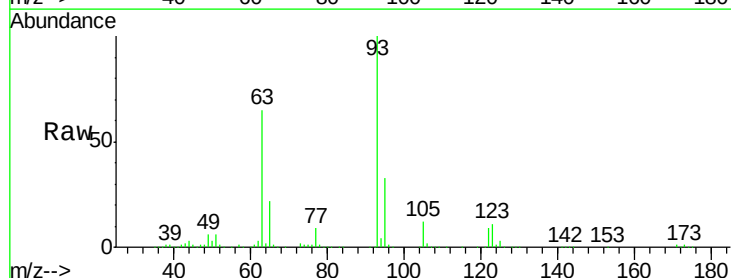
RT: 8.02 min Scan# 502

Delta R.T. 0.00 min

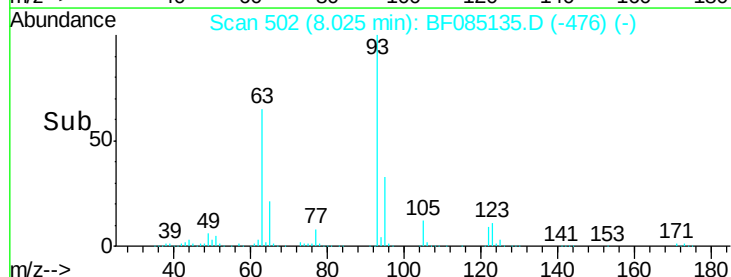
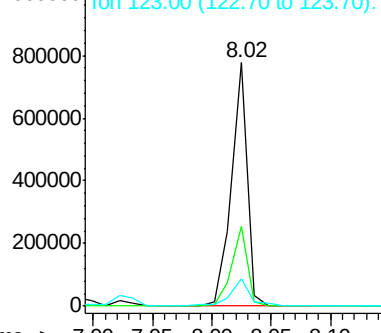
Lab File: BF085135.D

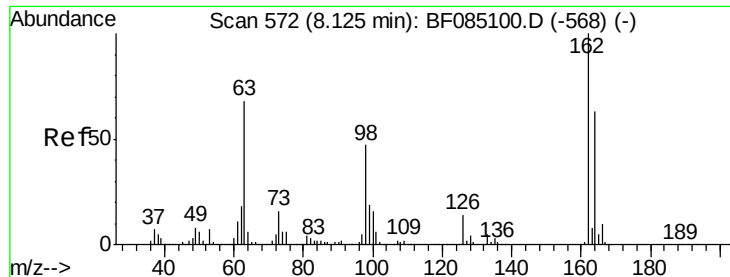
Acq: 2 Mar 2016 22:38

Tgt Ion:	93	Resp:	731734
Ion Ratio	Lower	Upper	
93	100		
95	32.8	26.2	39.4
123	11.2	8.8	13.2



Abundance Ion 93.00 (92.70 to 93.70): BF0





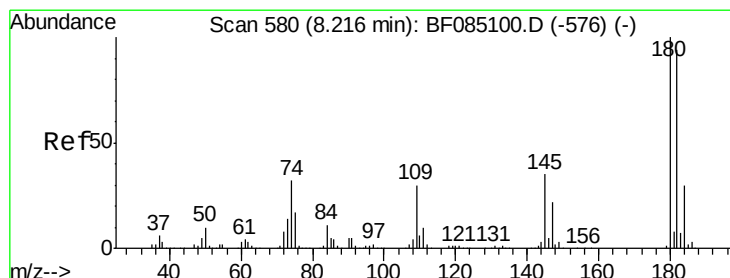
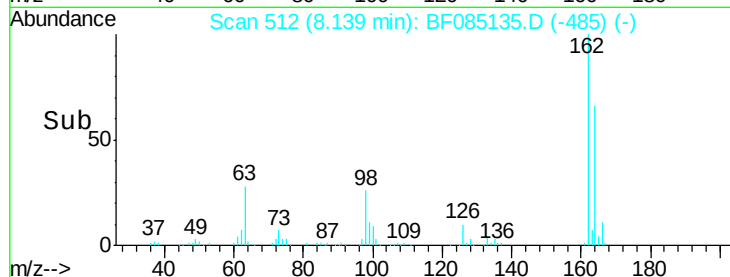
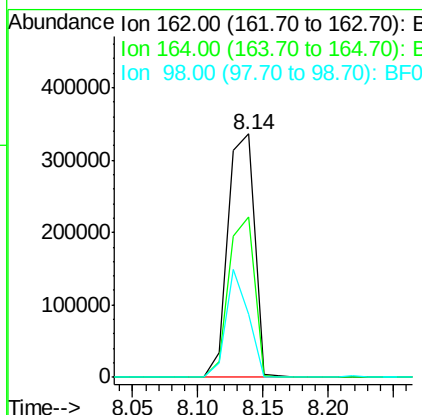
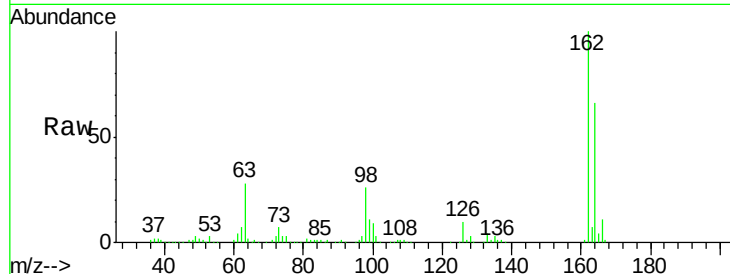
#29
 2,4-Dichlorophenol
 Concen: 52.06 ng
 RT: 8.14 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	474390		
164	66.1	42.9	82.9	
98	26.1	26.9	66.9#	

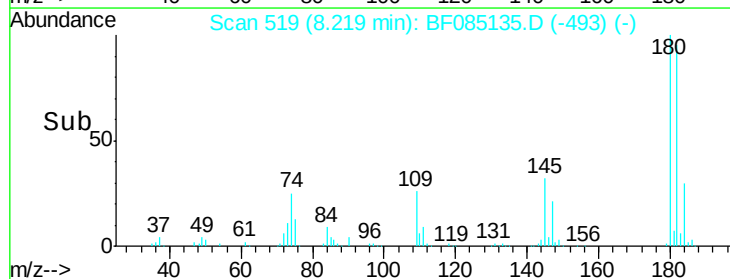
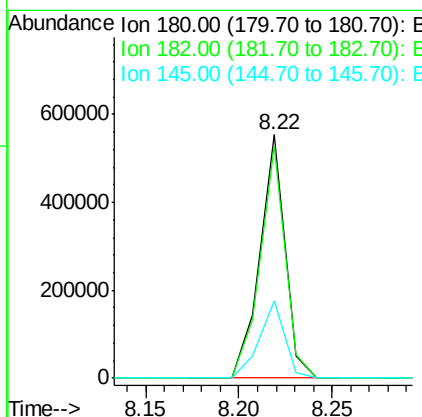
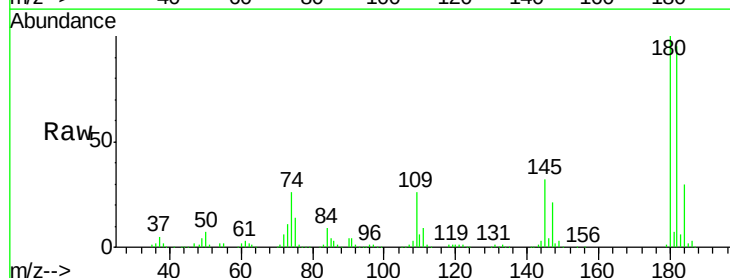
Manual Integrations
 APPROVED

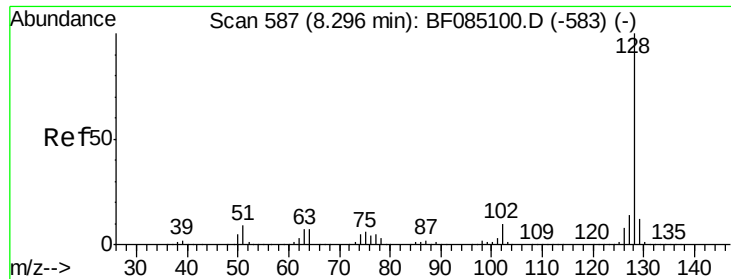
UMANGI
 3/3/2016 1:42:59 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 51.93 ng
 RT: 8.22 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	515797		
182	95.1	75.4	113.0	
145	31.7	27.8	41.8	





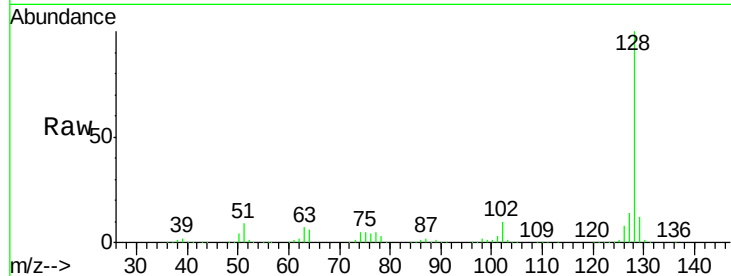
#31
Naphthalene
Concen: 53.15 ng
RT: 8.30 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

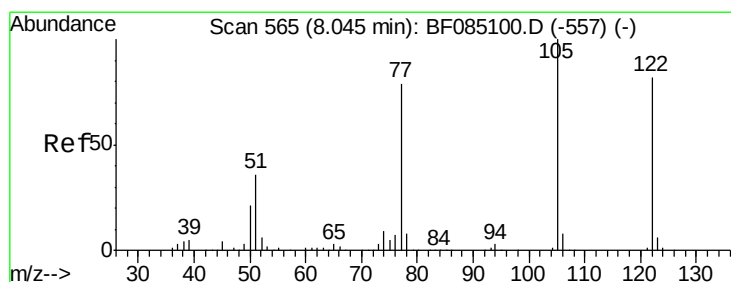
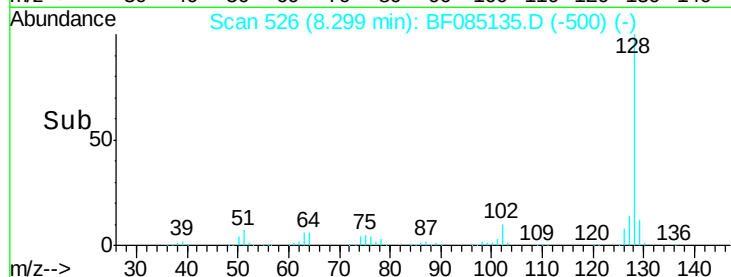
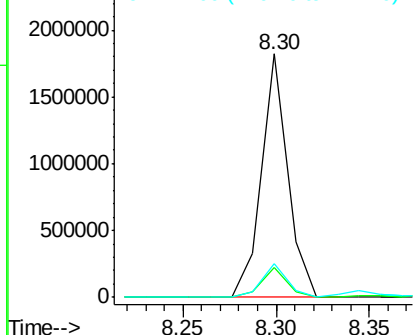
Tgt Ion:128 Resp: 1761681
Ion Ratio Lower Upper
128 100
129 12.2 9.7 14.5
127 13.9 11.1 16.7

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM

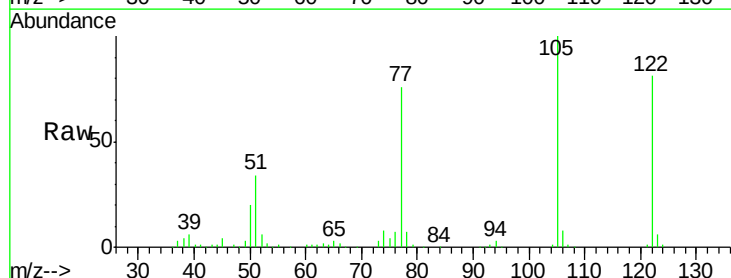


Abundance Ion 128.00 (127.70 to 128.70): E
2500000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

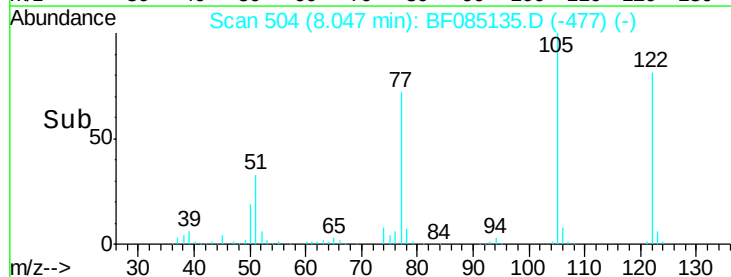
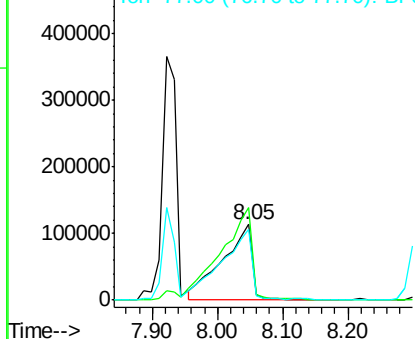


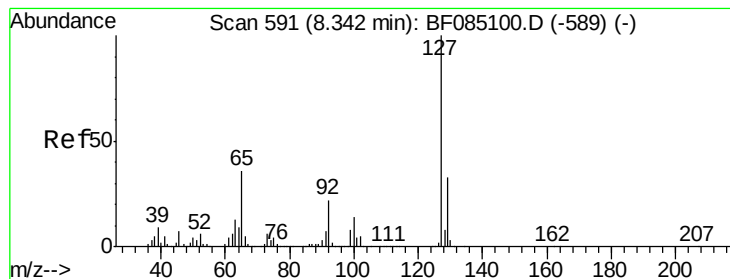
#32
Benzoic acid
Concen: 53.84 ng
RT: 8.05 min Scan# 504
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion:122 Resp: 358776
Ion Ratio Lower Upper
122 100
105 123.0 102.0 142.0
77 93.1 76.8 116.8



Abundance Ion 122.00 (121.70 to 122.70): E
500000
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 6.17 ng

RT: 8.34 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF085135.D

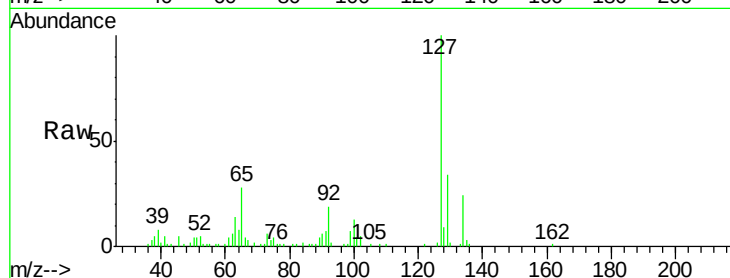
Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

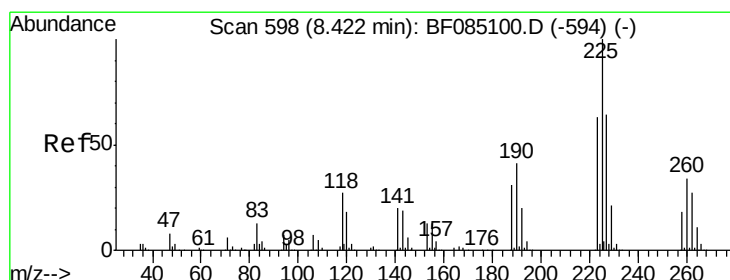
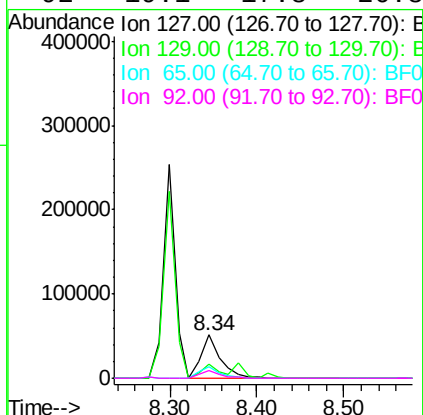
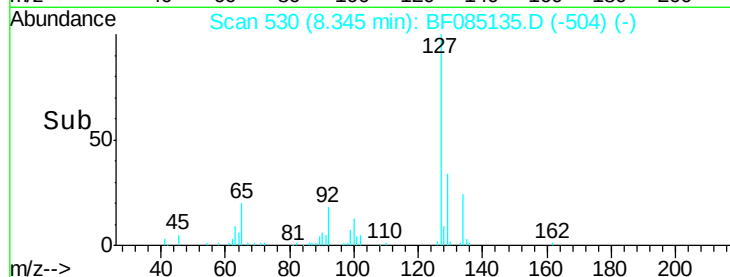
20160225-WC-CMSD



Tgt Ion	Ratio	Resp	Lower	Upper
127	100	80822		
129	33.6	26.3	39.5	
65	27.9	28.6	43.0	
92	19.1	17.8	26.8	

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#34

Hexachlorobutadiene

Concen: 50.95 ng

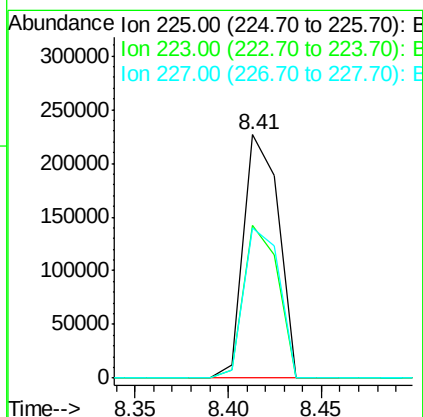
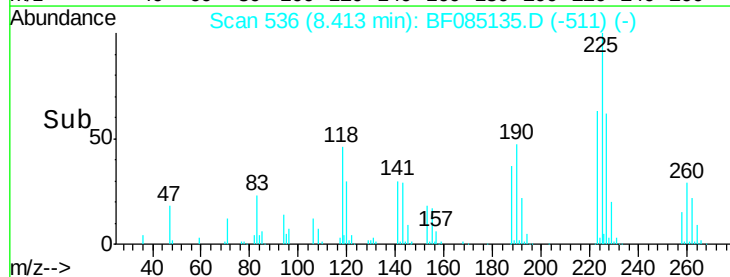
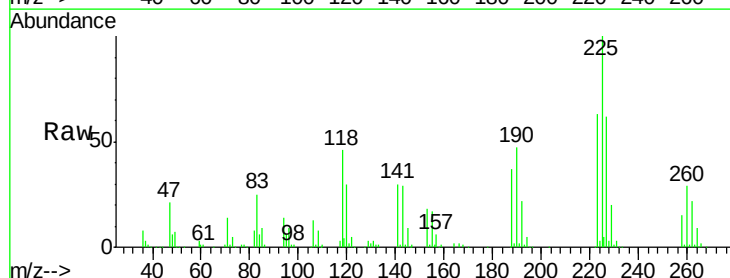
RT: 8.41 min Scan# 536

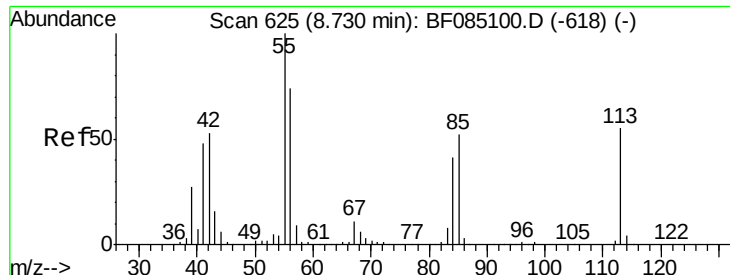
Delta R.T. -0.01 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	293561		
223	62.9	50.4	75.6	
227	61.7	51.6	77.4	





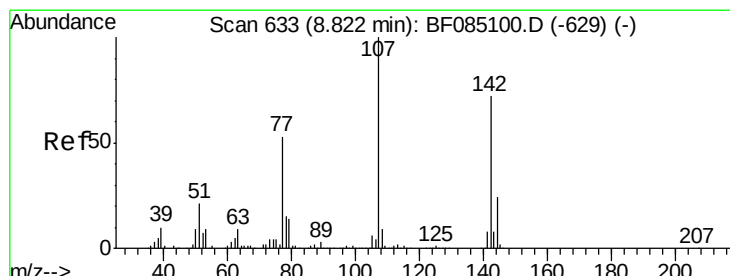
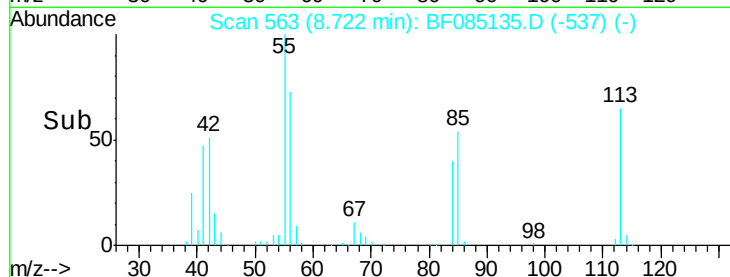
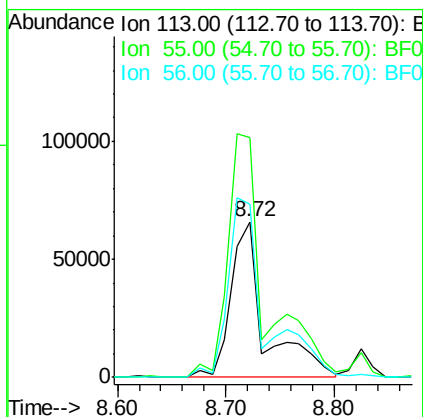
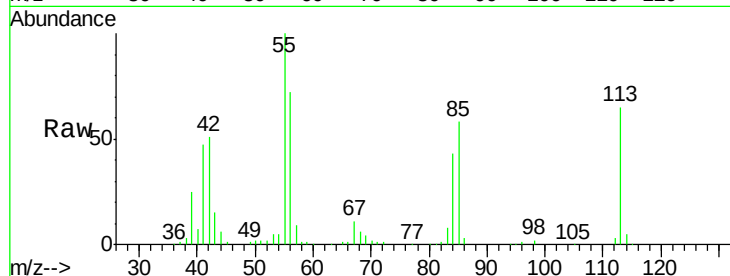
#35
 Caprolactam
 Concen: 50.25 ng m
 RT: 8.72 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
55	153.9	162.9	202.9#	
56	111.5	114.5	154.5#	

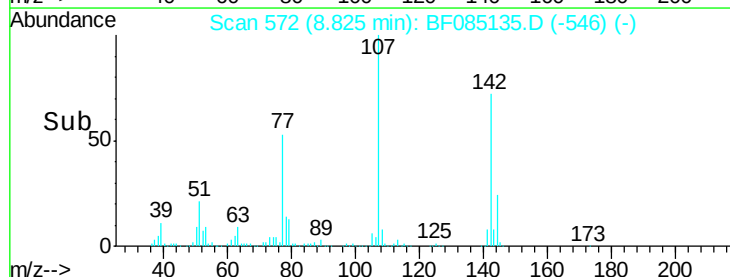
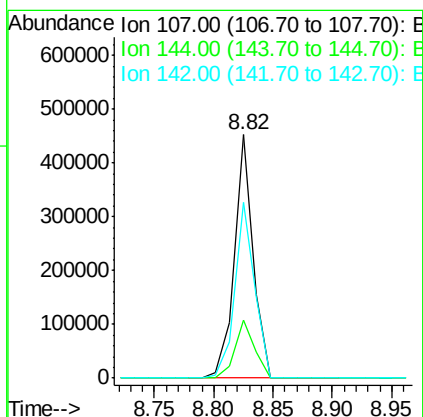
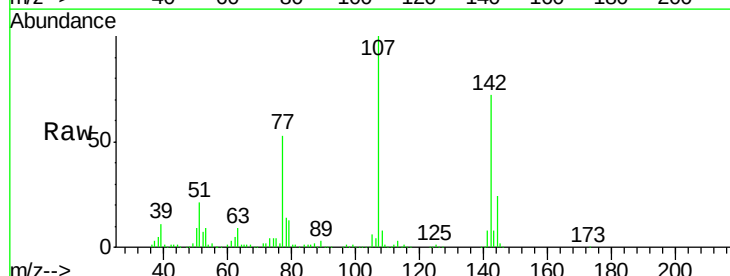
Manual Integrations
 APPROVED

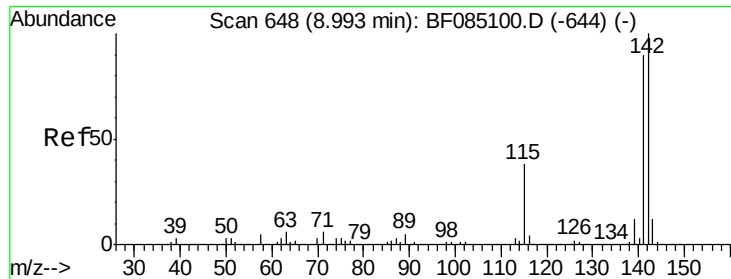
UMANGI
 3/3/2016 1:42:59 PM



#36
 4-Chloro-3-methylphenol
 Concen: 49.38 ng
 RT: 8.82 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	23.8	18.9	28.3	
142	72.2	57.9	86.9	





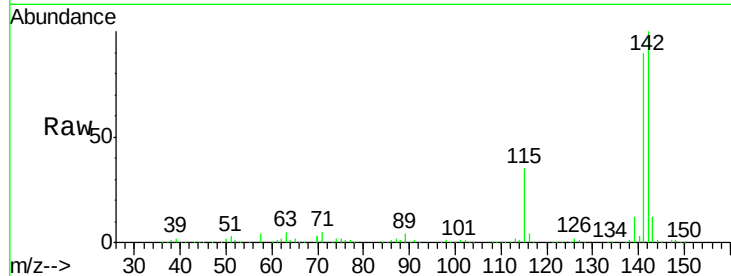
#37
2-Methylnaphthalene
Concen: 57.25 ng
RT: 9.00 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

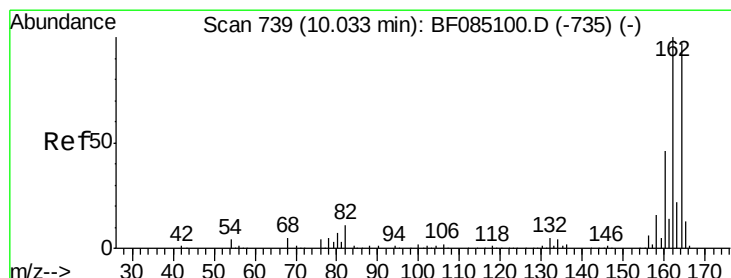
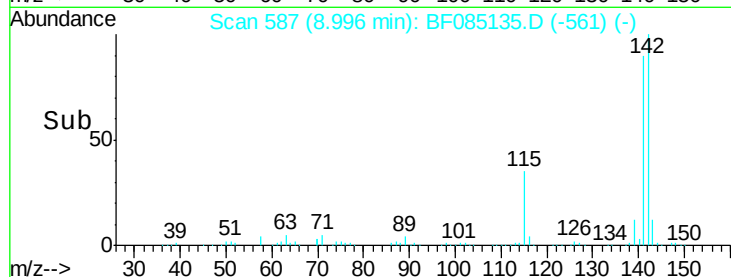
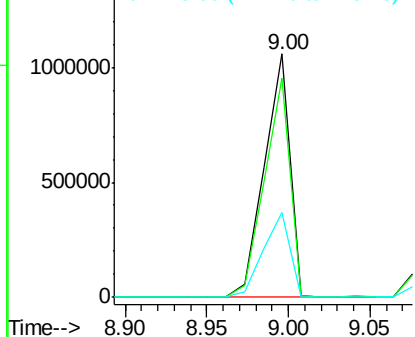
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.7	107.5
115	34.7	30.1	45.1

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



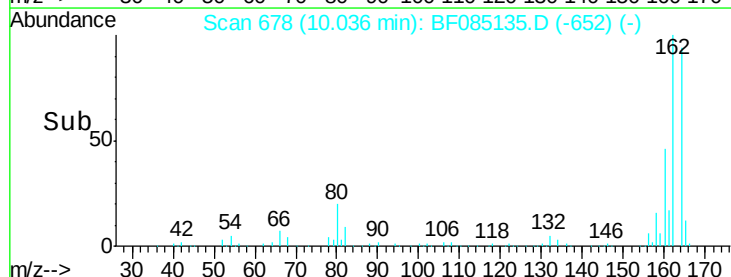
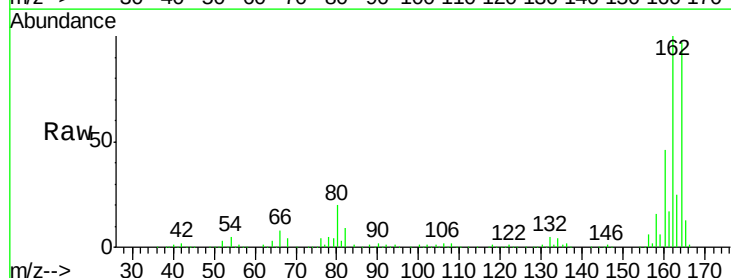
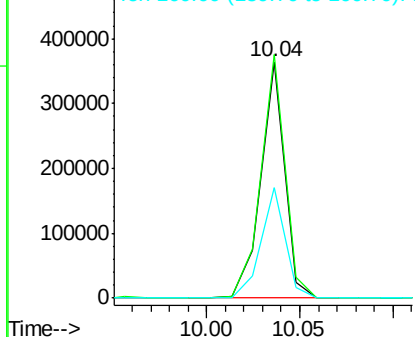
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

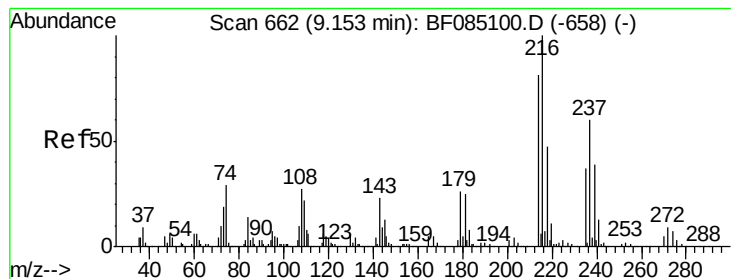


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.04 min Scan# 678
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.6	123.8
160	46.9	38.2	57.2

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.79 ng

RT: 9.16 min Scan# 601

Delta R.T. 0.00 min

Lab File: BF085135.D

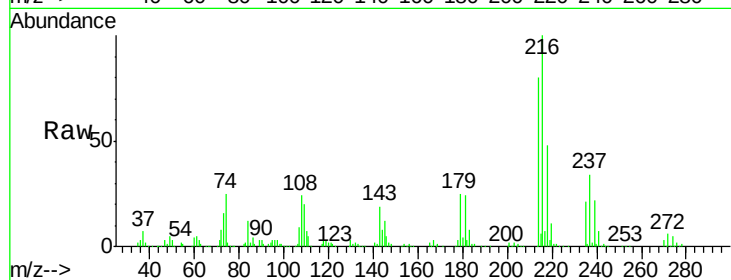
Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

20160225-WC-CMSD



Tgt Ion: 216 Resp: 440161

Ion Ratio Lower Upper

216 100

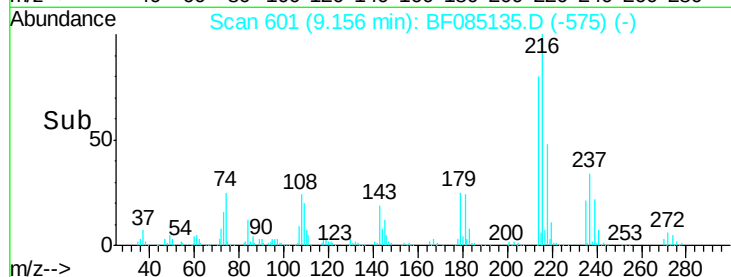
214 79.3 63.7 95.5

179 23.3 18.1 27.1

108 23.9 17.1 25.7

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM

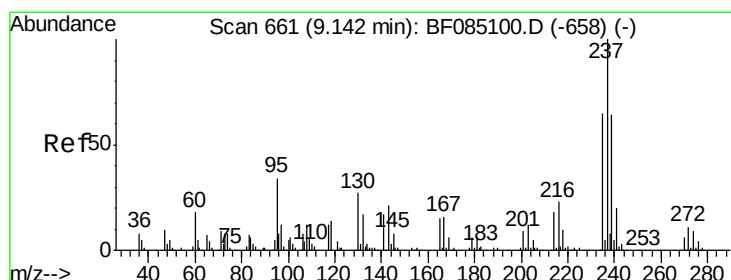
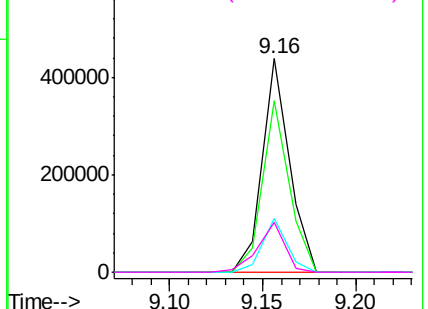


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 84.90 ng

RT: 9.14 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

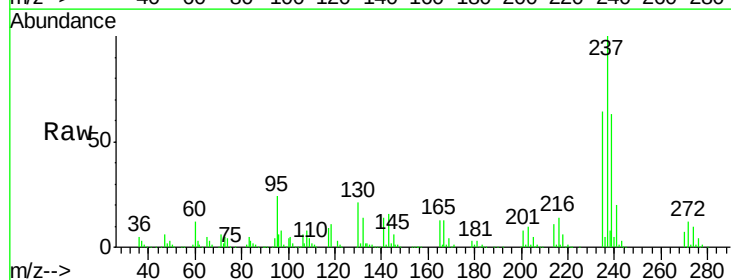
Tgt Ion: 237 Resp: 475062

Ion Ratio Lower Upper

237 100

235 63.6 45.3 85.3

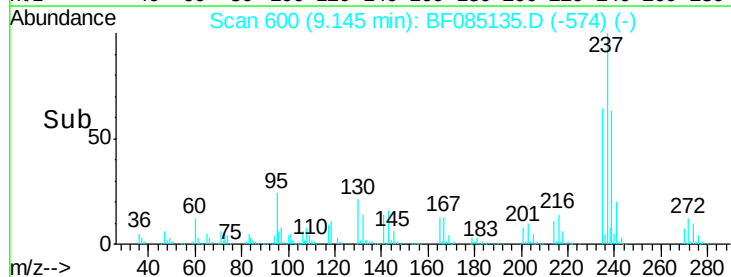
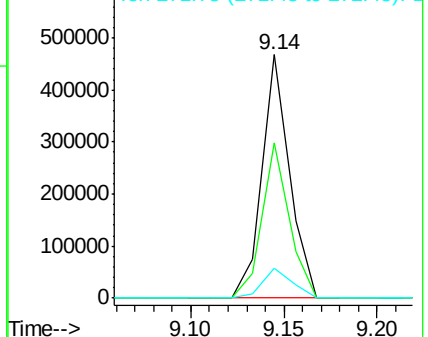
272 12.2 0.0 31.2

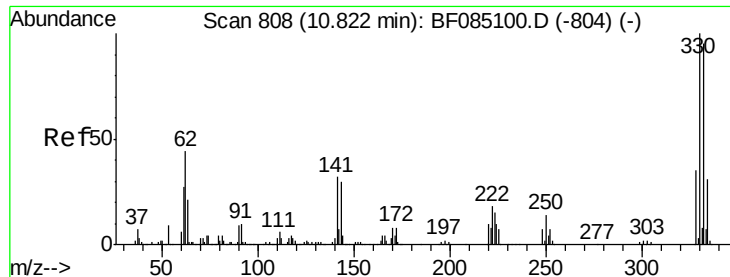


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





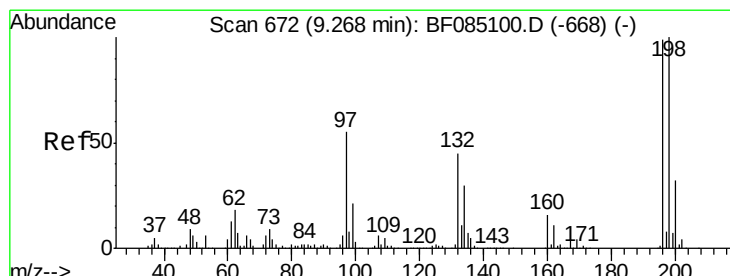
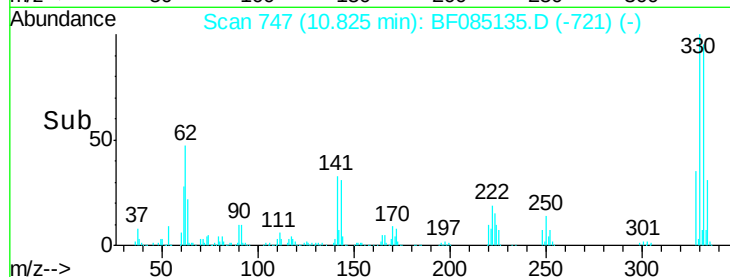
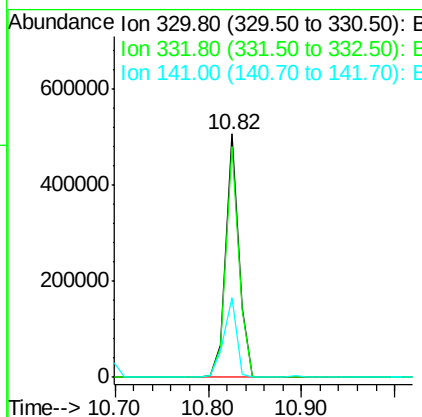
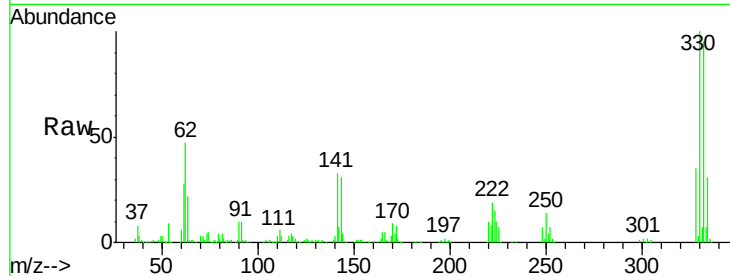
#41
 2,4,6-Tribromophenol
 Concen: 155.02 ng
 RT: 10.82 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	497139		
332	95.3	75.9	113.9	
141	32.1	28.9	43.3	

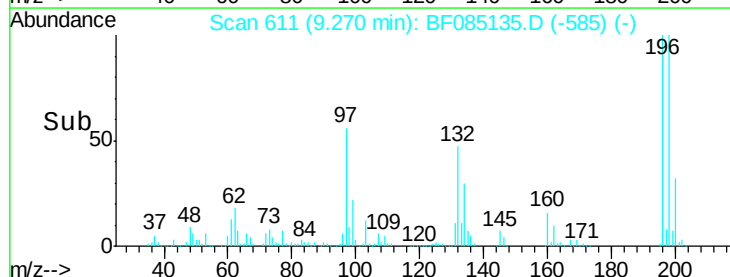
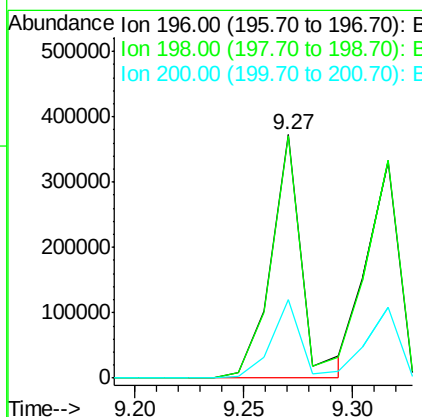
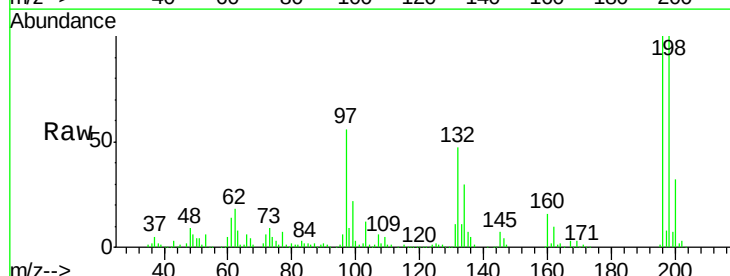
Manual Integrations
 APPROVED

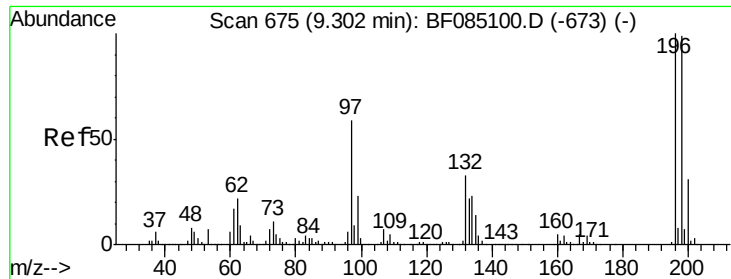
UMANGI
 3/3/2016 1:42:59 PM



#42
 2,4,6-Trichlorophenol
 Concen: 55.46 ng
 RT: 9.27 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

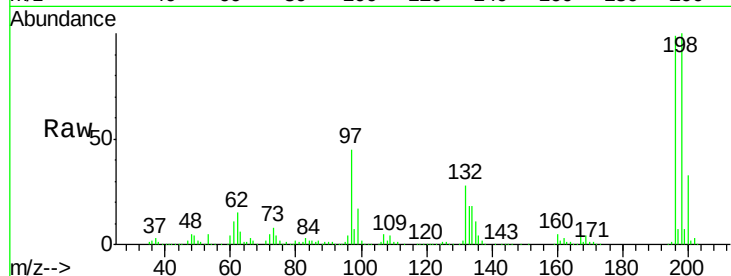
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	366996		
198	99.7	80.4	120.6	
200	32.4	25.8	38.8	





#43
 2,4,5-Trichlorophenol
 Concen: 53.86 ng
 RT: 9.32 min Scan# 615
 Delta R.T. 0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

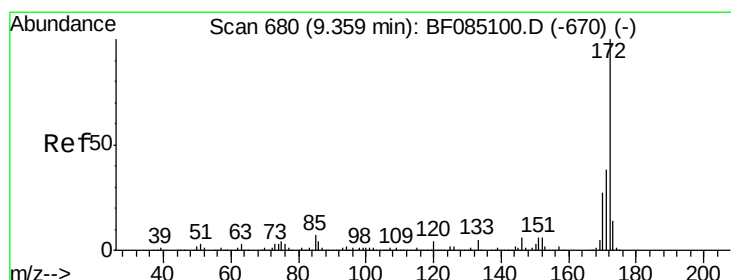
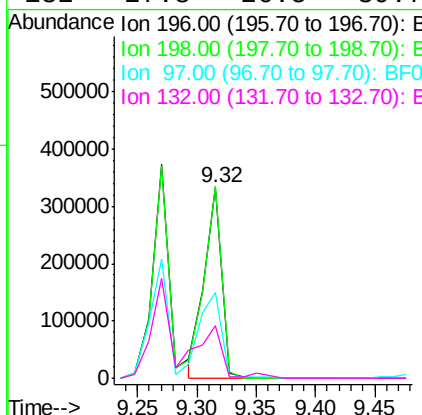
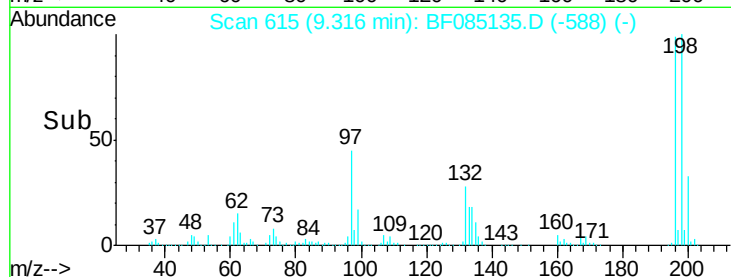
Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	341494		
198	100.6	79.5	119.3	
97	45.1	47.3	70.9	
132	27.8	26.5	39.7	

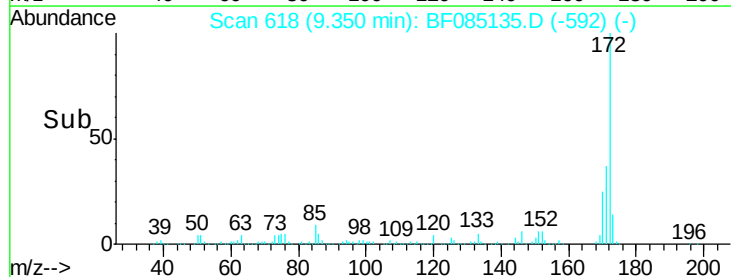
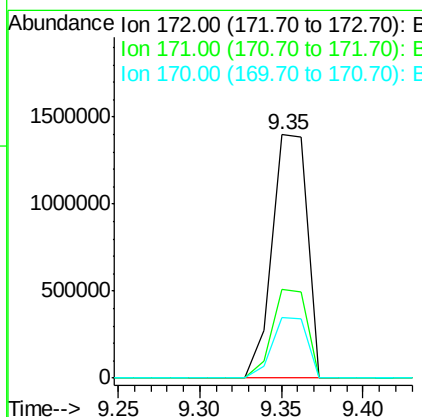
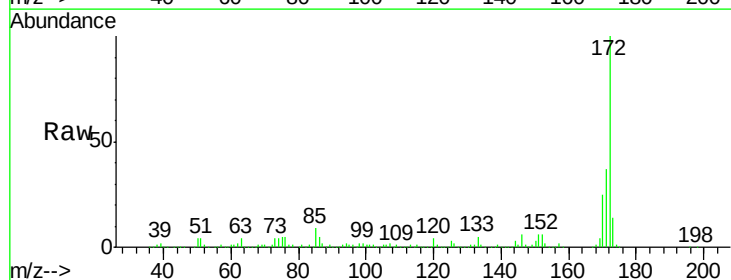
Manual Integrations
 APPROVED

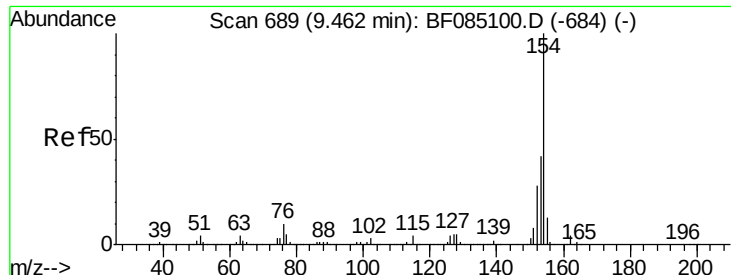
UMANGI
 3/3/2016 1:42:59 PM



#44
 2-Fluorobiphenyl
 Concen: 97.00 ng
 RT: 9.35 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2101735		
171	36.6	30.5	45.7	
170	25.0	21.2	31.8	





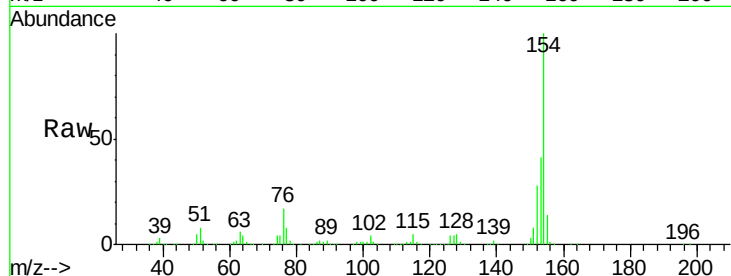
#45
 1,1'-Biphenyl
 Concen: 42.86 ng
 RT: 9.45 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

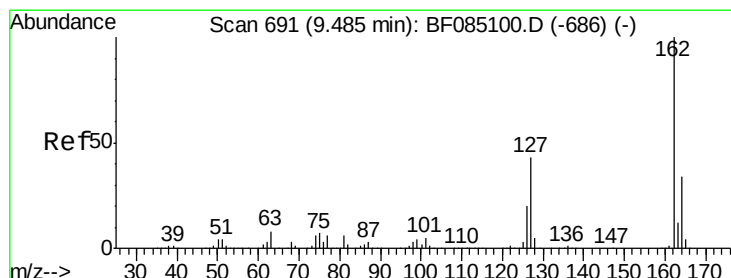
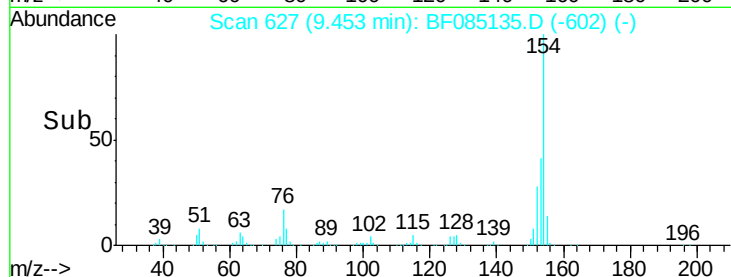
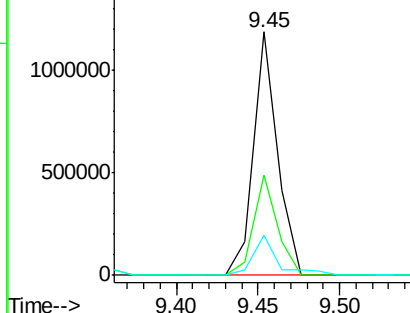
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.5	61.5
76	16.6	0.0	29.7

Manual Integrations
 APPROVED

UMANGI
 3/3/2016 1:42:59 PM

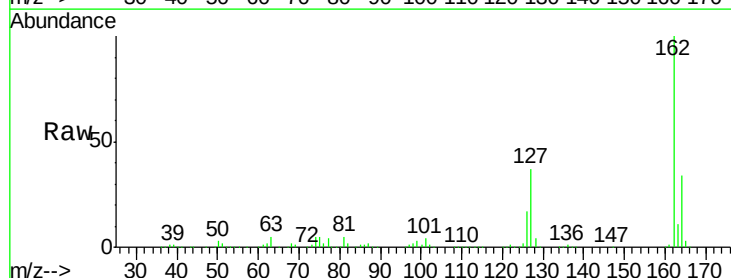


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

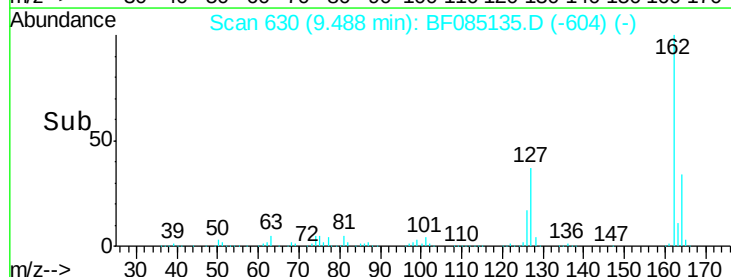
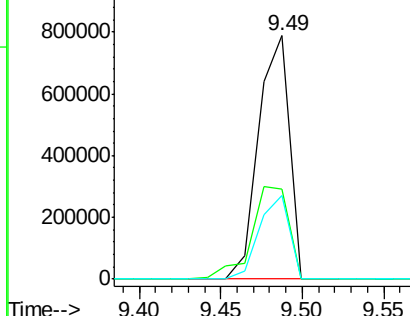


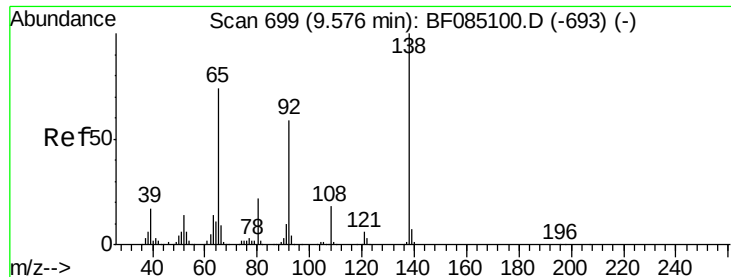
#46
 2-Chloronaphthalene
 Concen: 50.07 ng
 RT: 9.49 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.9	34.2	51.4
164	34.2	27.2	40.8



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





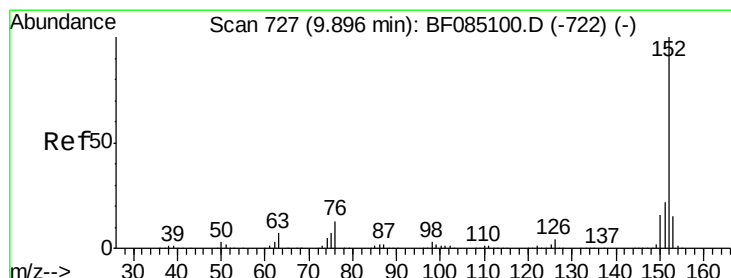
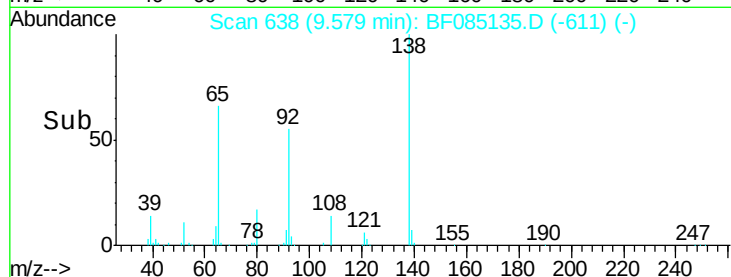
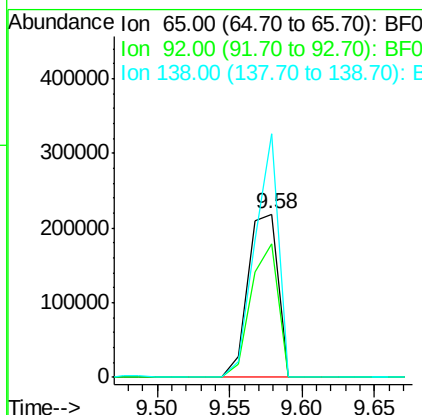
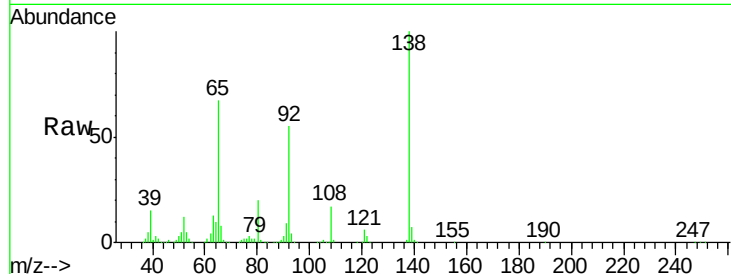
#47
2-Nitroaniline
Concen: 48.57 ng
RT: 9.58 min Scan# 638
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

Tgt Ion	Ratio	Lower	Upper
65	100		
92	81.8	63.8	95.6
138	148.9	108.5	162.7

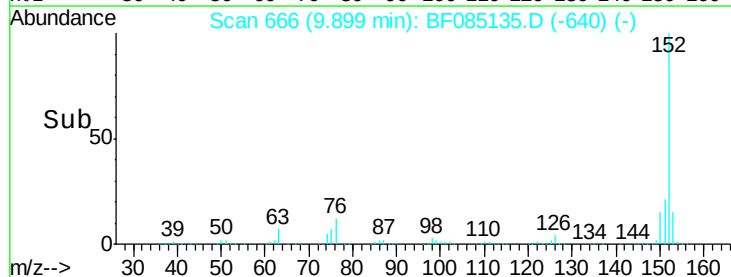
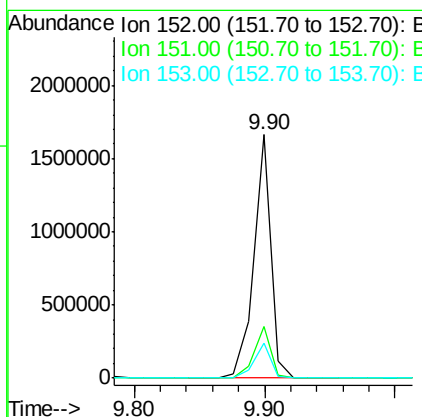
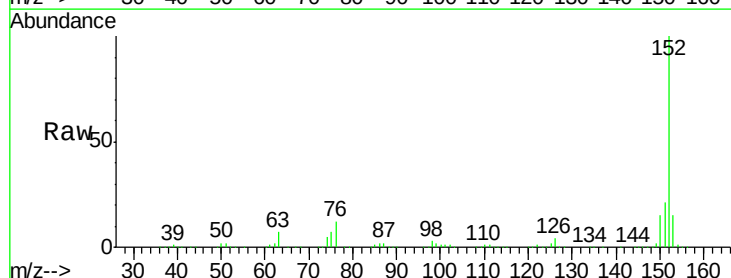
Manual Integrations
APPROVED

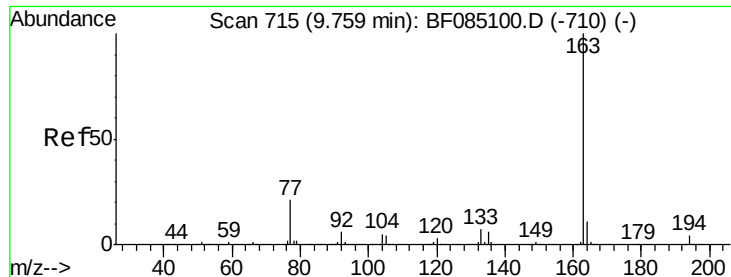
UMANGI
3/3/2016 1:42:59 PM



#48
Acenaphthylene
Concen: 49.28 ng
RT: 9.90 min Scan# 666
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.4	26.0
153	14.5	12.0	18.0





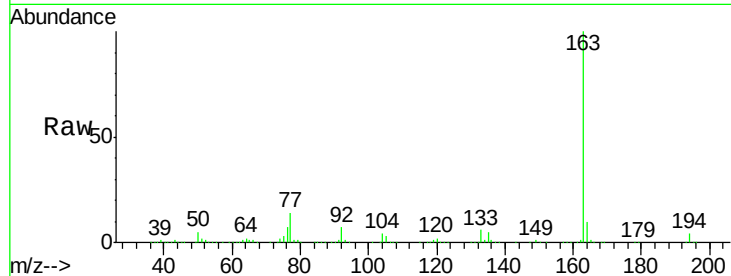
#49
Dimethylphthalate
Concen: 52.67 ng
RT: 9.76 min Scan# 654
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

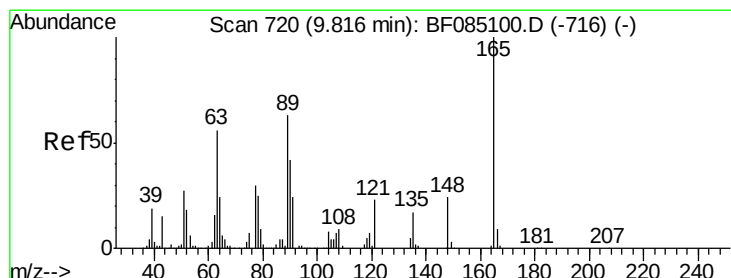
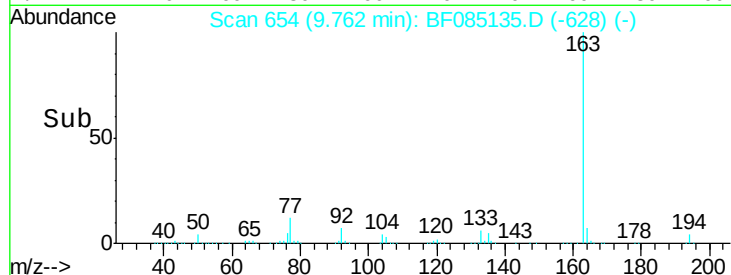
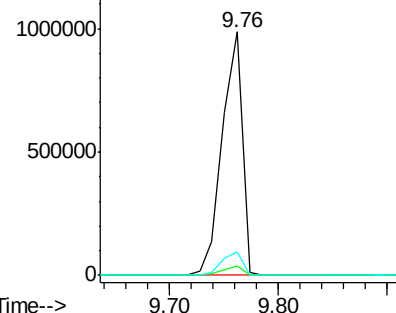
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	9.7	8.6	12.8

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM

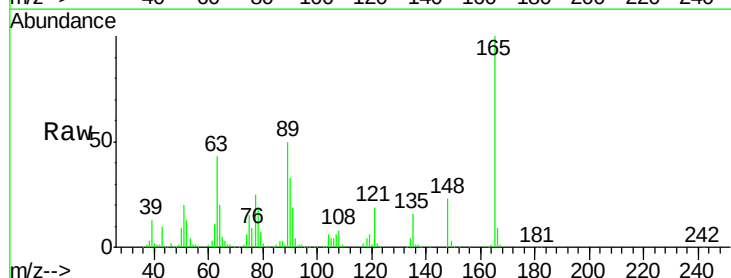


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

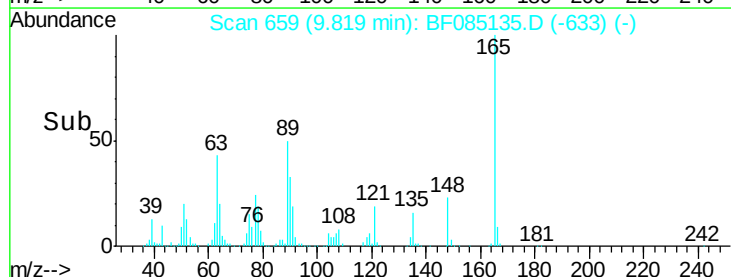
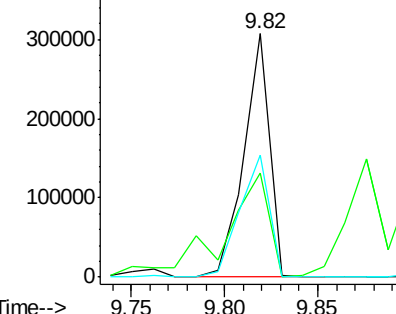


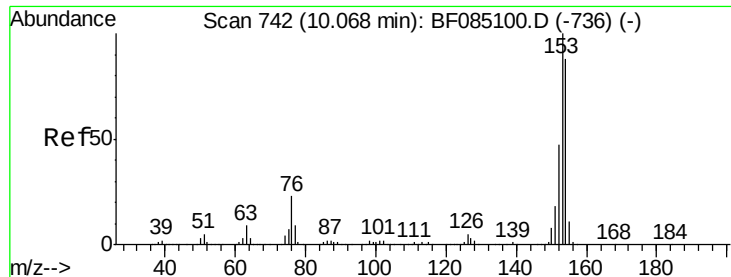
#50
2,6-Dinitrotoluene
Concen: 59.17 ng
RT: 9.82 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	42.9	47.4	71.2#
89	50.2	50.2	75.2



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 57.40 ng

RT: 10.07 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

20160225-WC-CMSD

Tgt Ion:154 Resp: 1106534

Ion Ratio Lower Upper

154 100

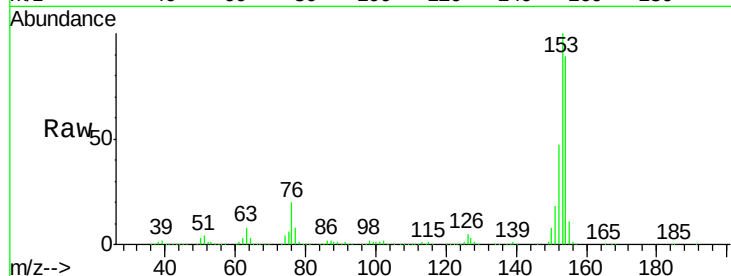
153 112.9 91.0 136.6

152 53.4 43.0 64.6

Manual Integrations
APPROVED

UMANGI

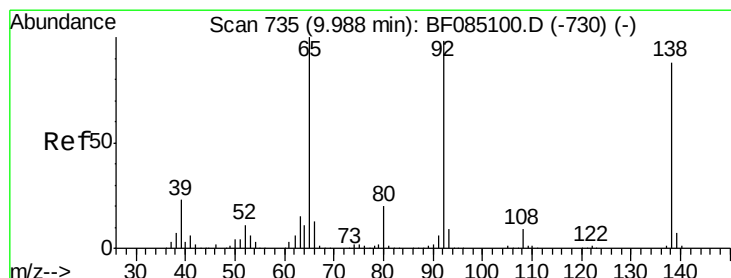
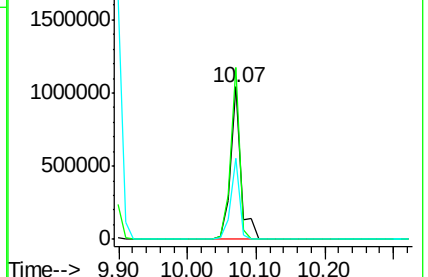
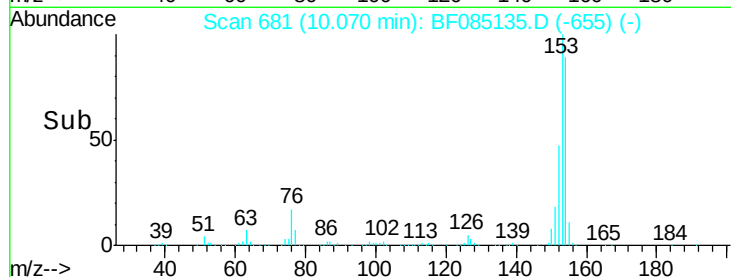
3/3/2016 1:42:59 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 14.58 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

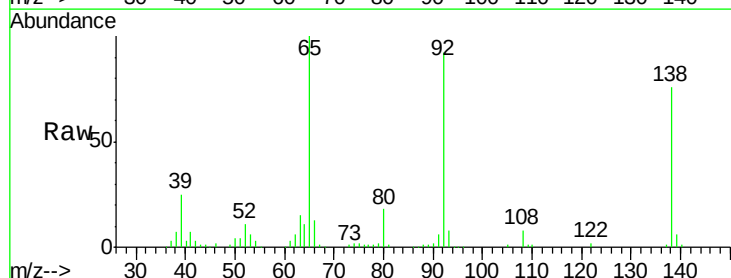
Tgt Ion:138 Resp: 85007

Ion Ratio Lower Upper

138 100

108 11.0 8.2 12.2

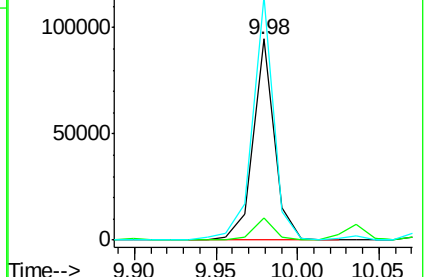
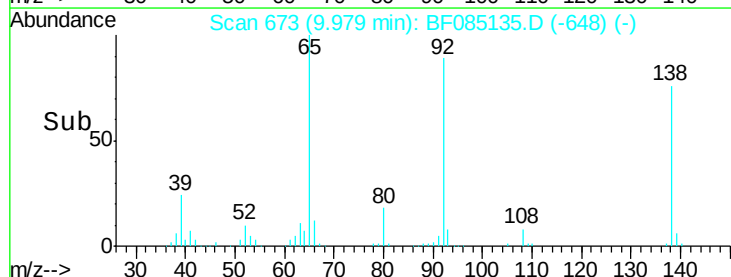
92 121.2 89.0 133.6

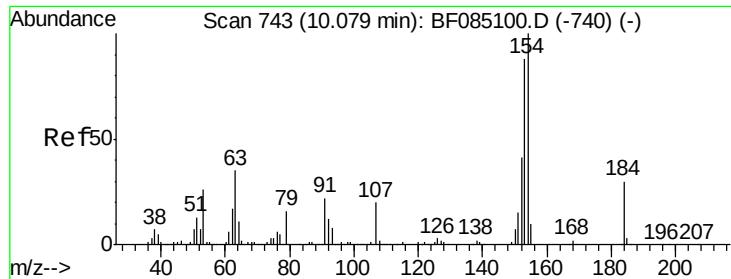


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

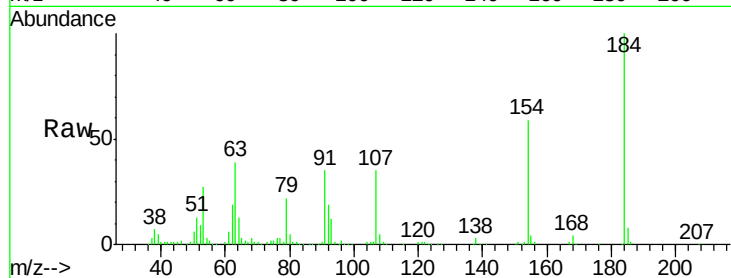
Ion 92.00 (91.70 to 92.70): BF0





#53
2,4-Dinitrophenol
Concen: 91.76 ng
RT: 10.09 min Scan# 683
Delta R.T. 0.01 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

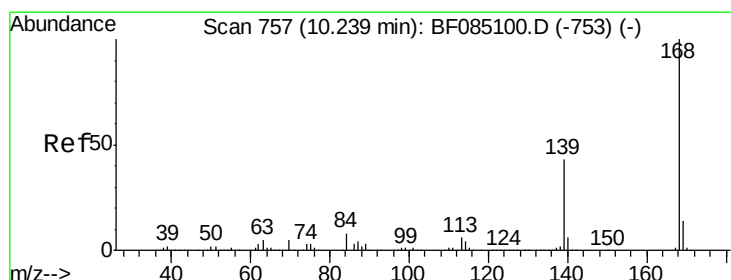
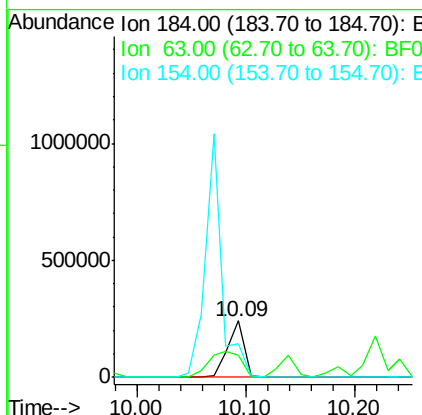
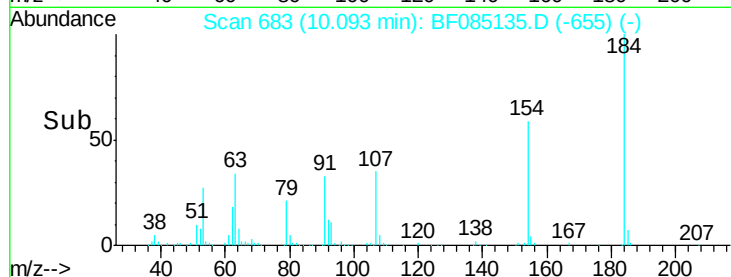
Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD



Tgt Ion:184 Resp: 248020
Ion Ratio Lower Upper
184 100
63 39.3 94.0 141.0#
154 59.2 269.8 404.8#

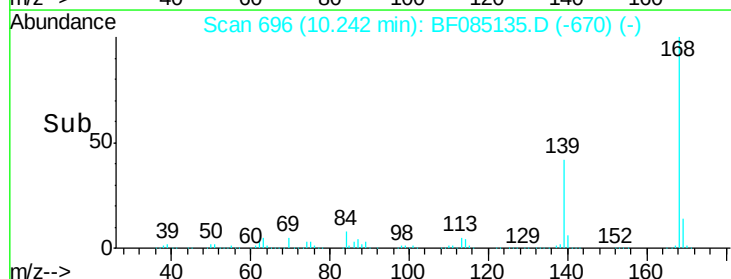
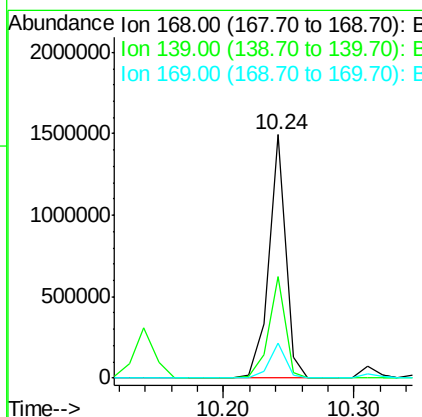
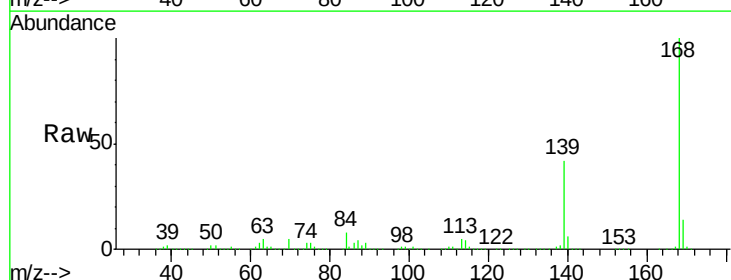
Manual Integrations
APPROVED

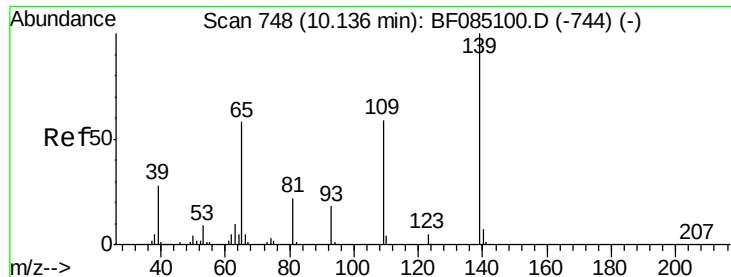
UMANGI
3/3/2016 1:42:59 PM



#54
Dibenzofuran
Concen: 54.02 ng
RT: 10.24 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion:168 Resp: 1351803
Ion Ratio Lower Upper
168 100
139 41.5 34.2 51.2
169 14.2 11.4 17.2





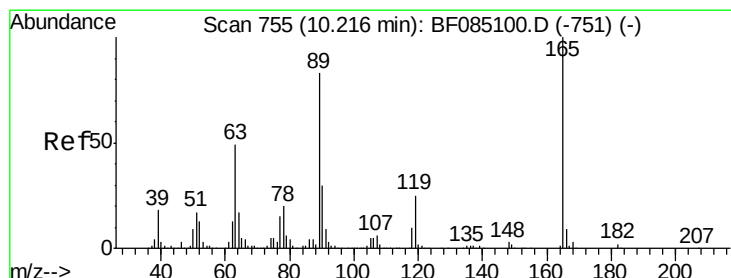
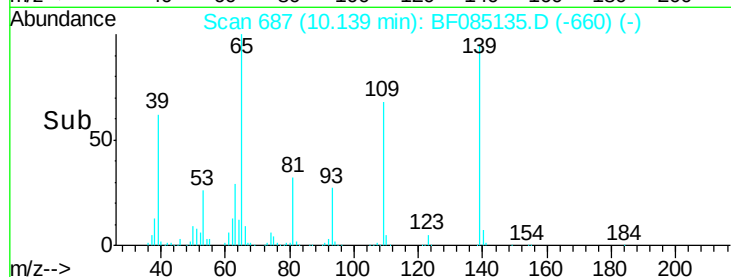
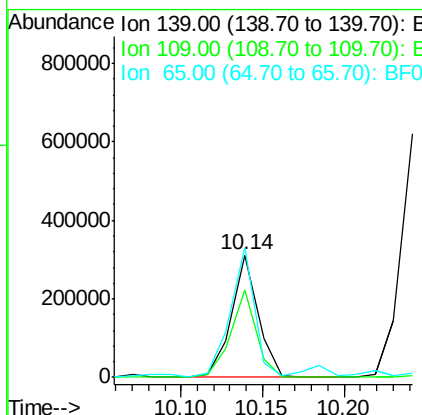
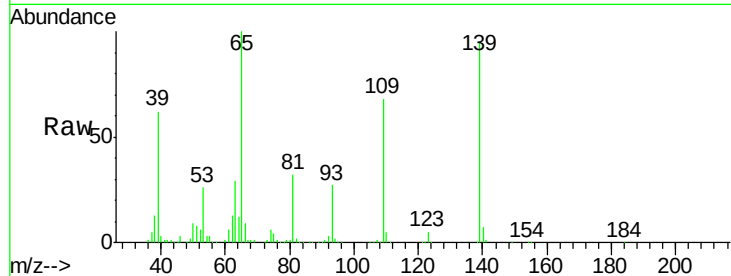
#55
4-Nitrophenol
Concen: 79.15 ng
RT: 10.14 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	353999		
109	71.7	39.5	79.5	
65	105.5	38.4	78.4	

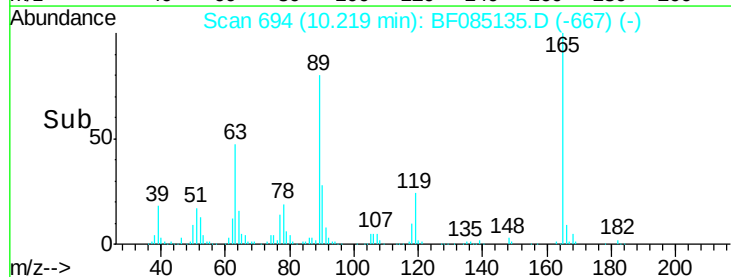
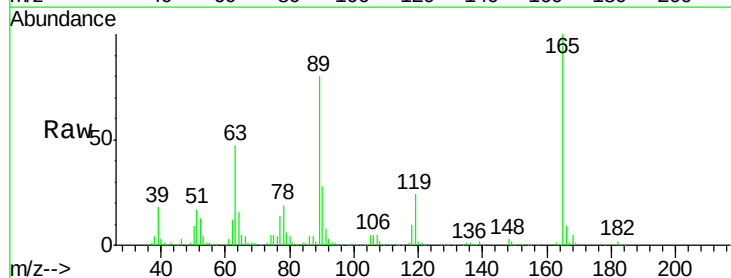
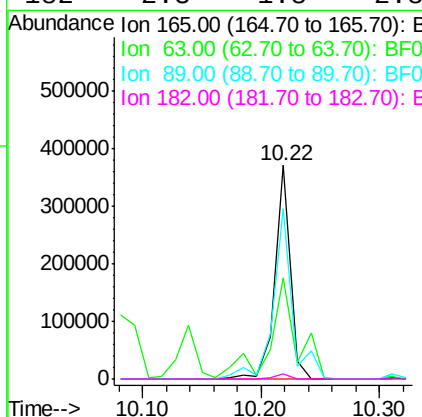
Manual Integrations
APPROVED

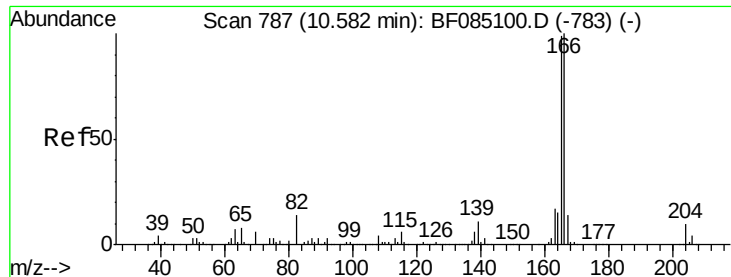
UMANGI
3/3/2016 1:42:59 PM



#56
2,4-Dinitrotoluene
Concen: 50.52 ng
RT: 10.22 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	334008		
63	47.4	39.2	58.8	
89	79.5	66.2	99.4	
182	2.3	1.8	2.8	





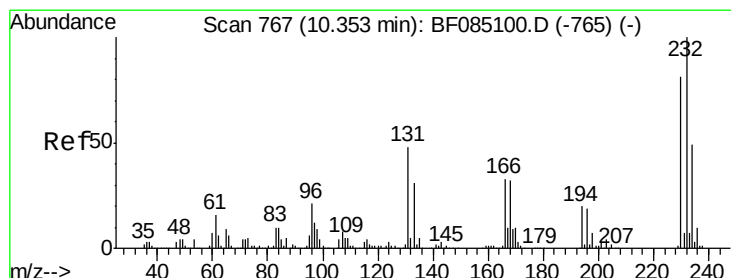
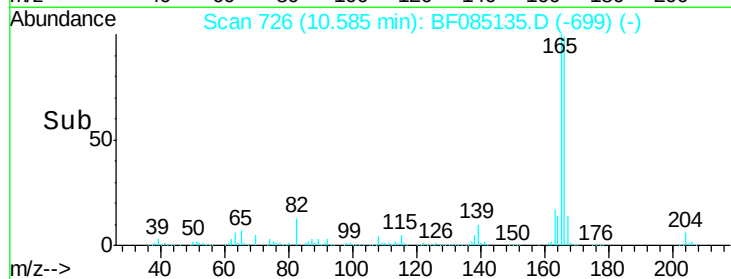
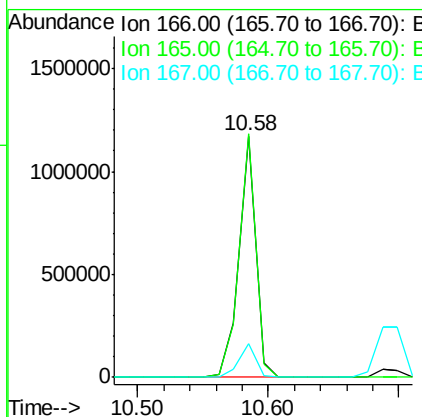
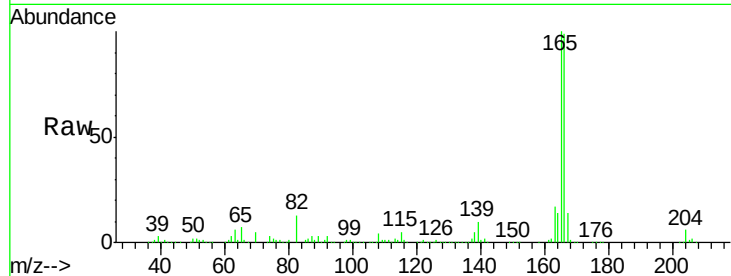
#57
 Fluorene
 Concen: 52.97 ng
 RT: 10.58 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion:166 Resp: 1042587
 Ion Ratio Lower Upper
 166 100
 165 101.0 79.4 119.2
 167 14.0 11.2 16.8

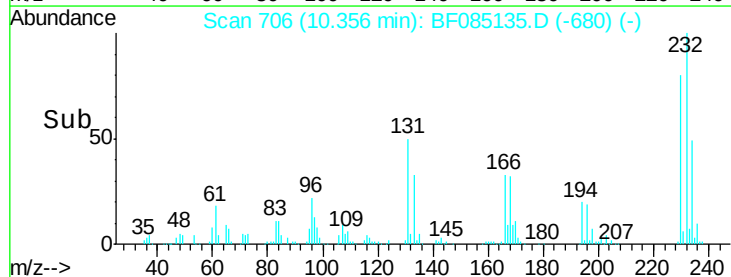
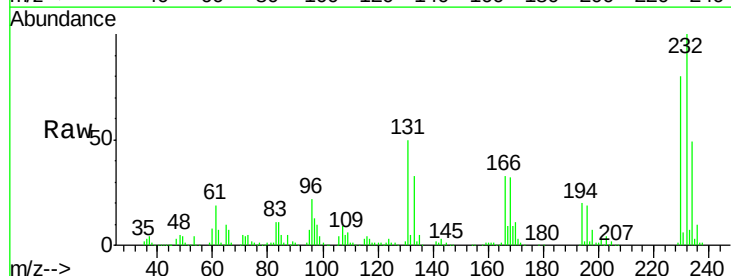
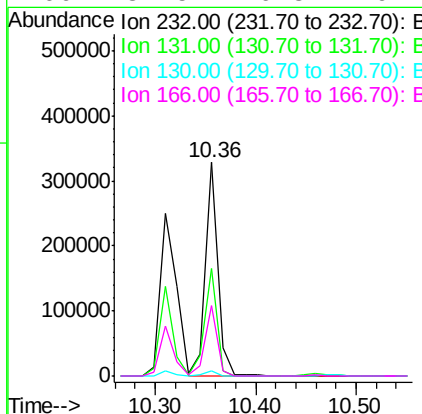
Manual Integrations
 APPROVED

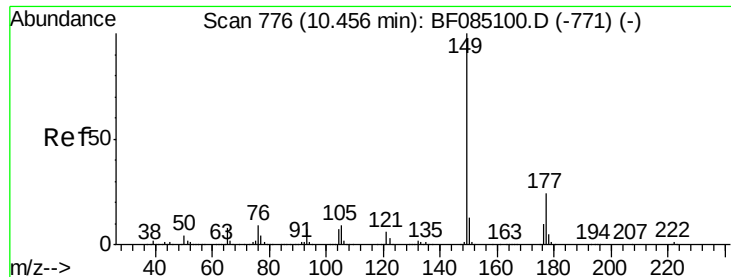
UMANGI
 3/3/2016 1:42:59 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 59.05 ng
 RT: 10.36 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion:232 Resp: 283617
 Ion Ratio Lower Upper
 232 100
 131 50.3 41.6 62.4
 130 2.5 2.1 3.1
 166 32.5 26.8 40.2





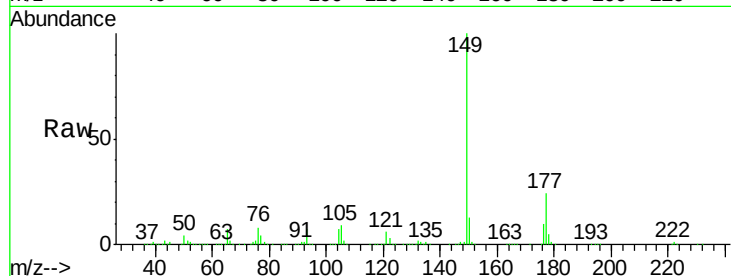
#59
Diethylphthalate
Concen: 52.85 ng
RT: 10.46 min Scan# 715
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

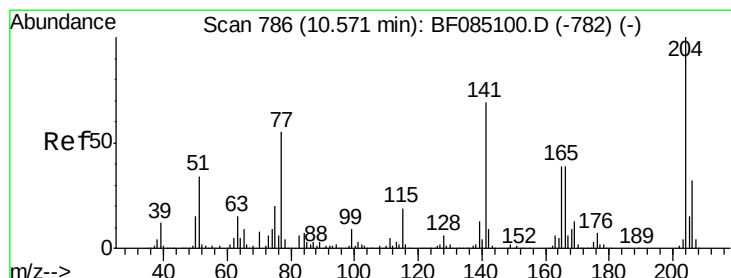
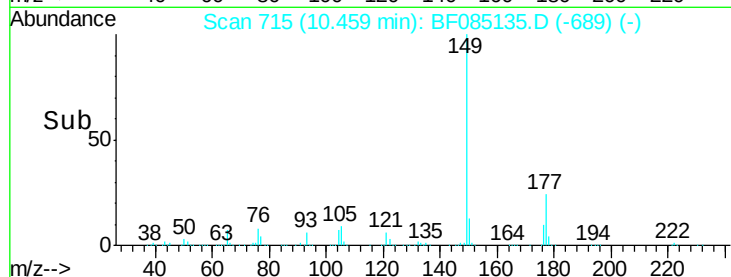
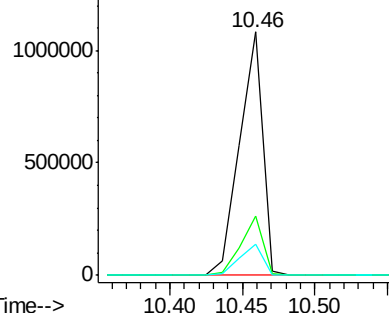
Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.4	19.4	29.2
150	12.6	10.1	15.1

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM

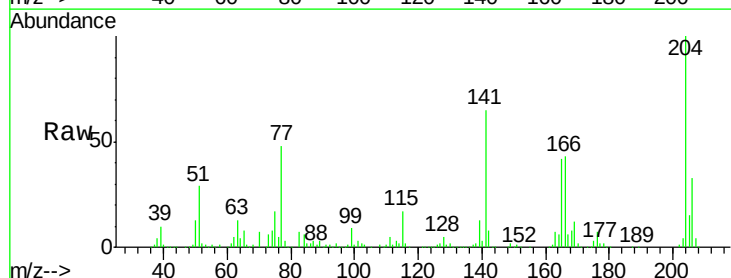


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

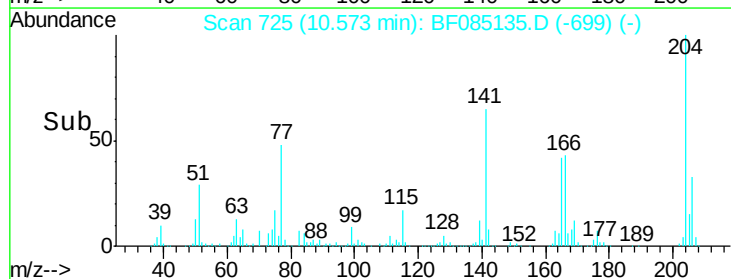
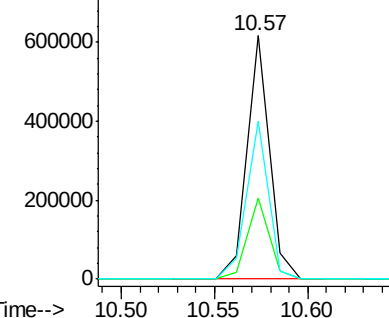


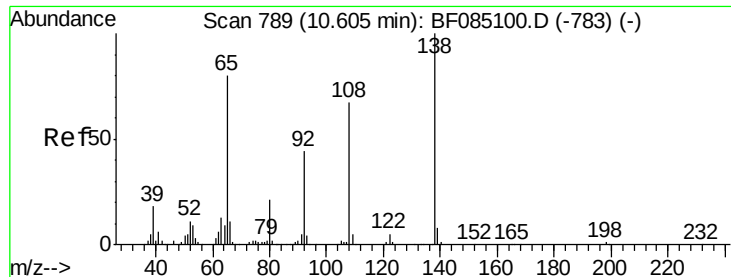
#60
4-Chlorophenyl-phenylether
Concen: 50.14 ng
RT: 10.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.7	38.5
141	64.8	55.3	82.9



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 39.58 ng

RT: 10.60 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF085135.D

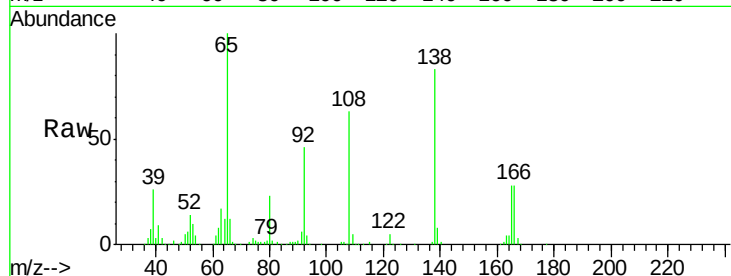
Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

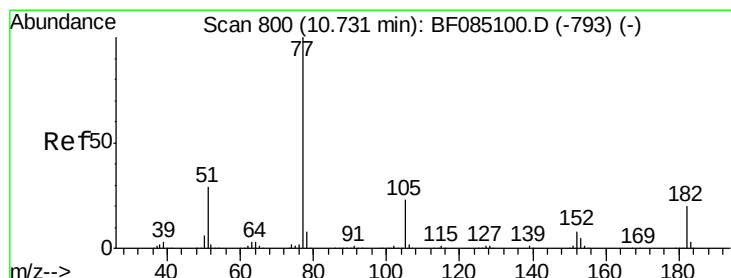
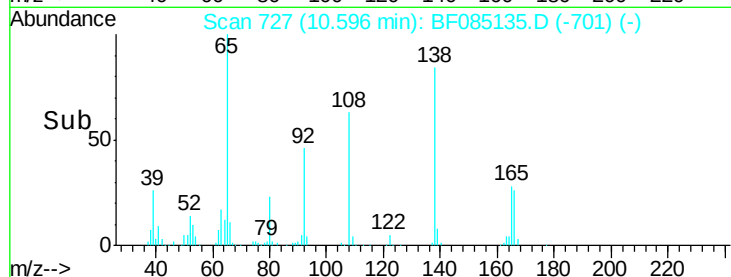
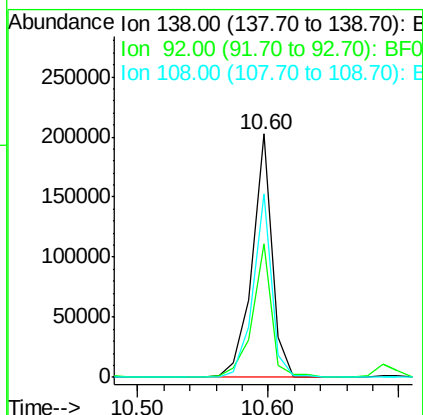
20160225-WC-CMSD



Tgt Ion:	138	Resp:	216258
Ion Ratio	Lower	Upper	
138	100		
92	54.9	23.5	63.5
108	75.4	46.8	86.8

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#62

Azobenzene

Concen: 54.70 ng

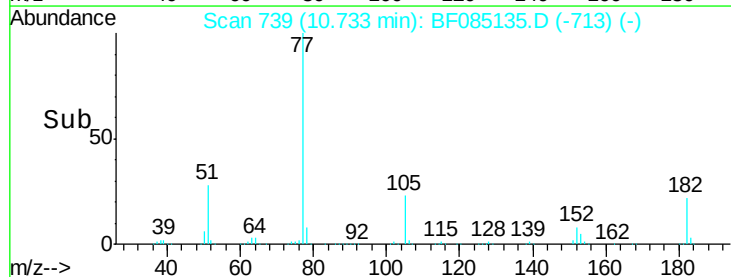
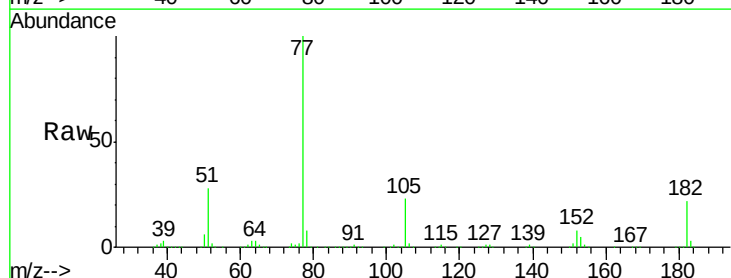
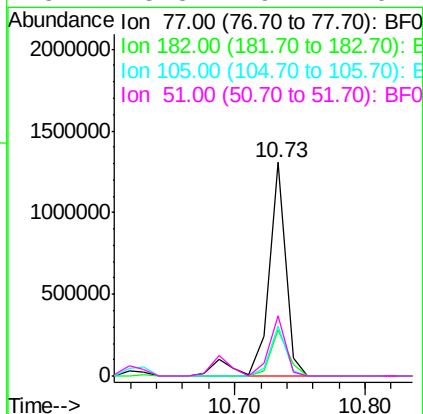
RT: 10.73 min Scan# 739

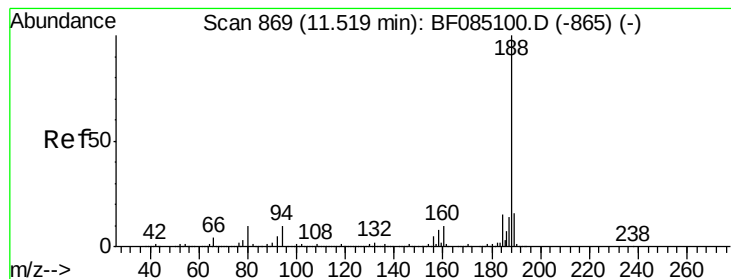
Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion:	77	Resp:	1253230
Ion Ratio	Lower	Upper	
77	100		
182	21.8	0.0	39.8
105	23.4	2.7	42.7
51	28.3	9.4	49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.52 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF085135.D

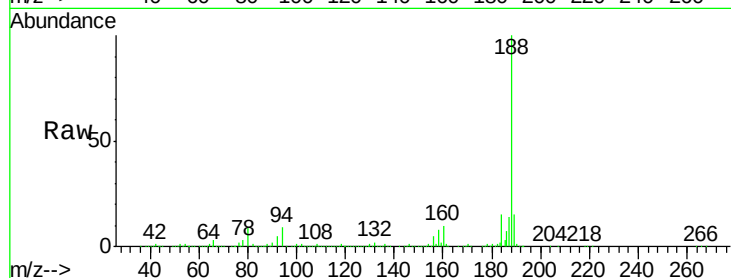
Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

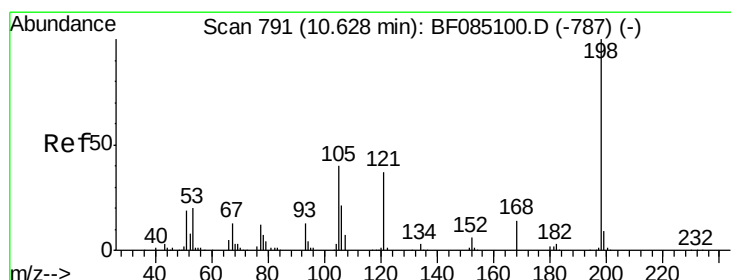
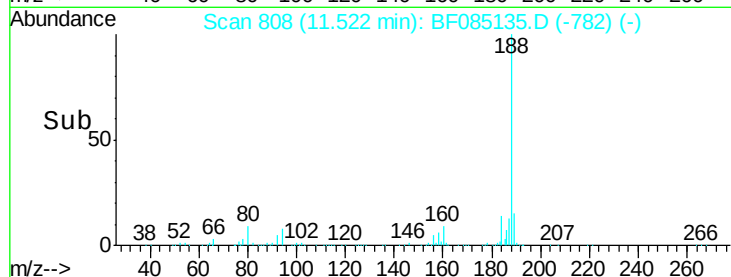
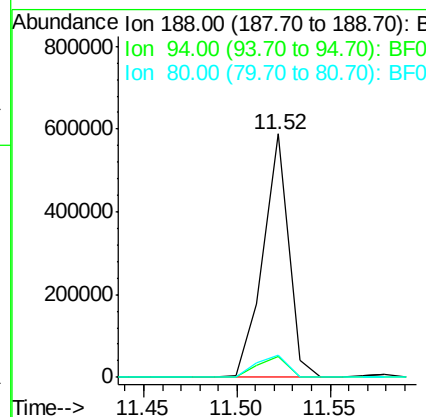
20160225-WC-CMSD



Tgt Ion	Ratio	Resp	Lower	Upper
188	100	555182		
94	8.6	7.8	11.6	
80	9.3	8.2	12.4	

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 52.11 ng

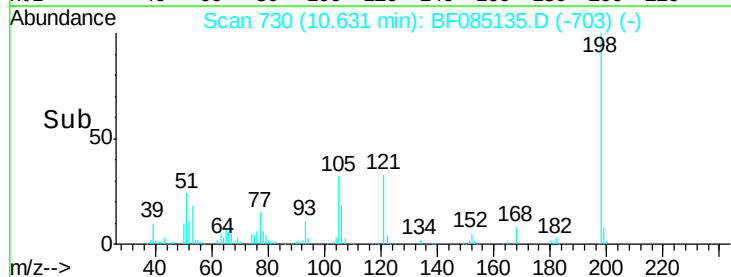
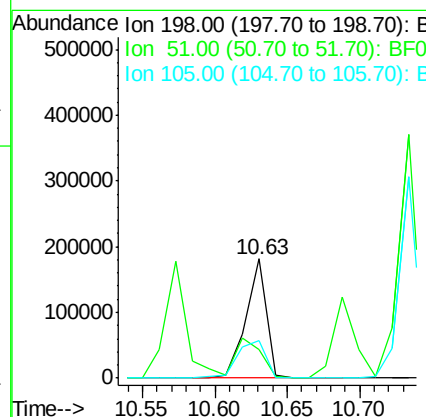
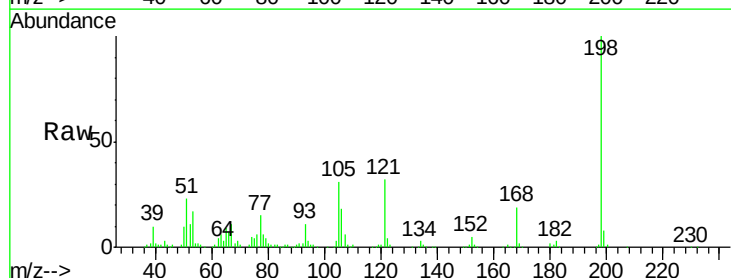
RT: 10.63 min Scan# 730

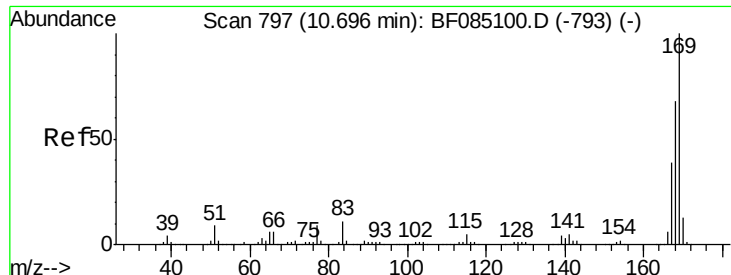
Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

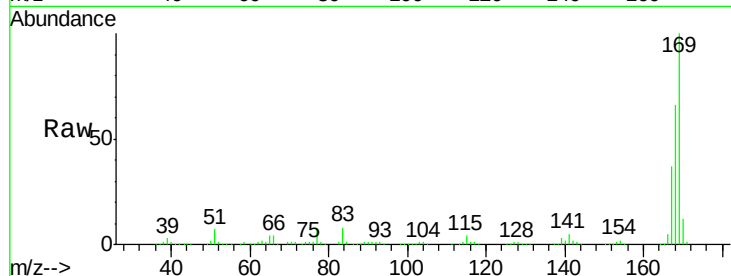
Tgt Ion	Ratio	Resp	Lower	Upper
198	100	176278		
51	23.5	12.5	52.5	
105	31.3	20.2	60.2	





#65
 n-Nitrosodiphenylamine
 Concen: 54.68 ng
 RT: 10.70 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

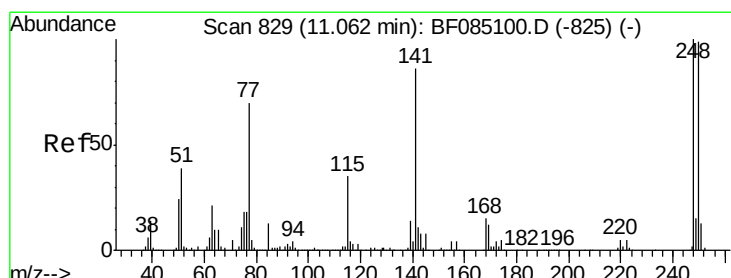
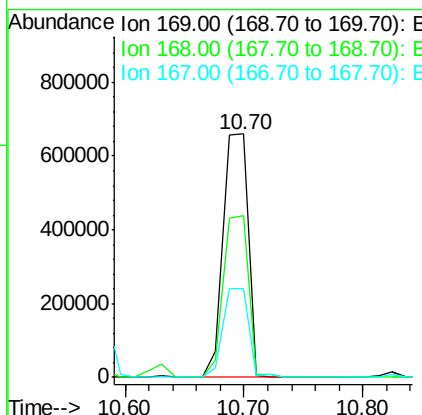
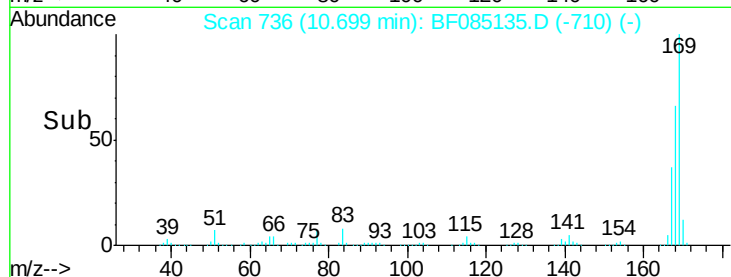
Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD



Tgt Ion	Ratio	Resp	Lower	Upper
169	100	956788		
168	66.3	54.6	81.8	
167	36.7	30.8	46.2	

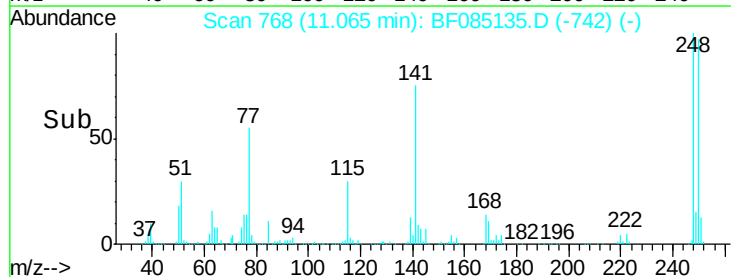
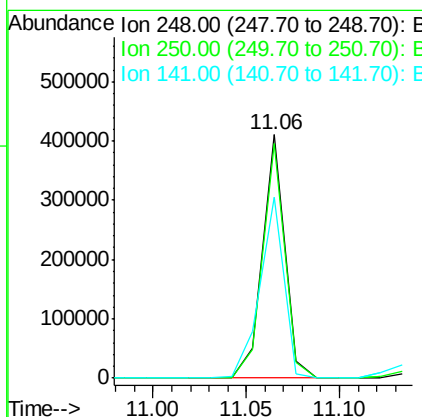
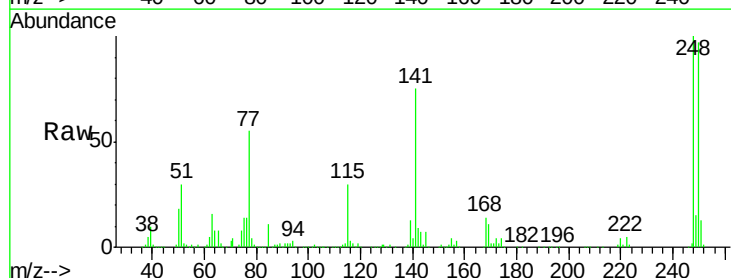
Manual Integrations
 APPROVED

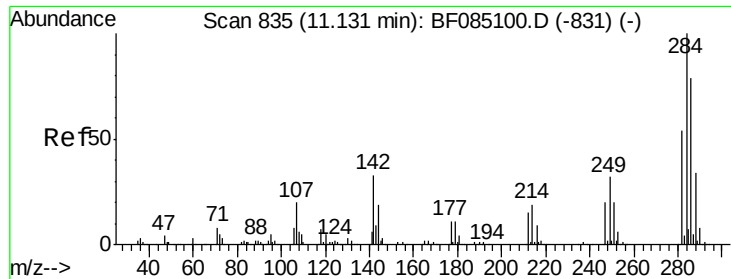
UMANGI
 3/3/2016 1:42:59 PM



#66
 4-Bromophenyl-phenylether
 Concen: 57.76 ng
 RT: 11.06 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	336725		
250	96.6	79.0	118.4	
141	74.5	68.6	103.0	





#67

Hexachlorobenzene

Concen: 55.87 ng

RT: 11.13 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF085135.D

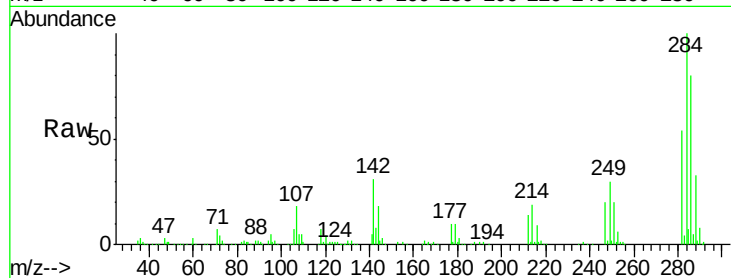
Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

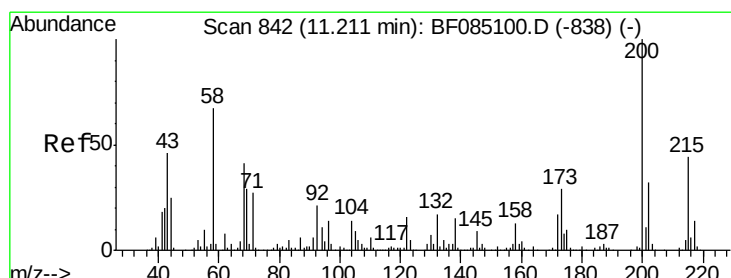
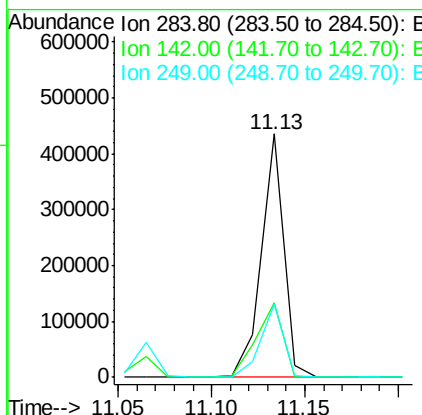
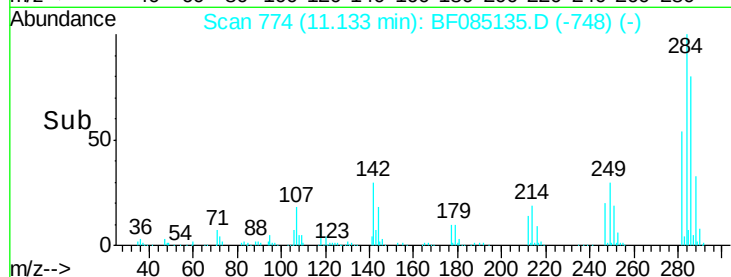
20160225-WC-CMSD



Tgt Ion:	284	Resp:	367685
Ion Ratio	Lower	Upper	
284	100		
142	30.6	26.3	39.5
249	30.4	25.8	38.6

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#68

Atrazine

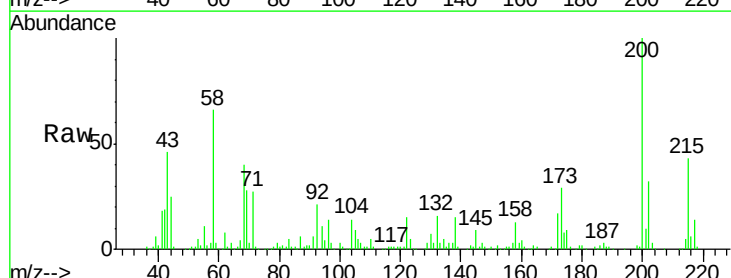
Concen: 54.40 ng

RT: 11.21 min Scan# 781

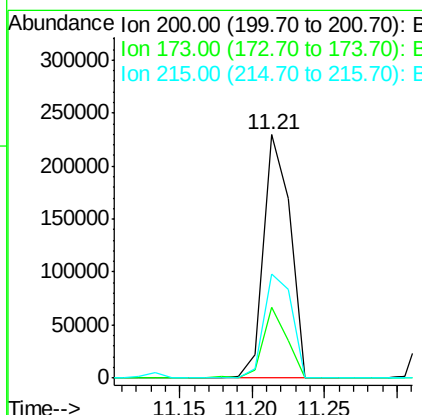
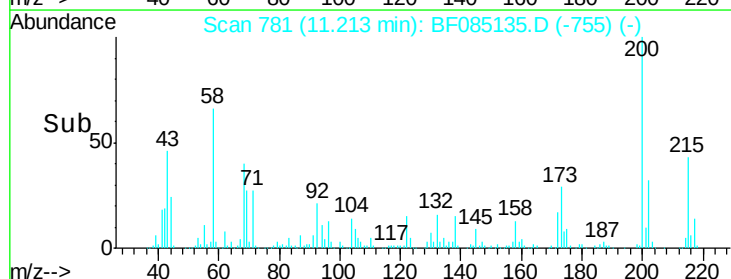
Delta R.T. 0.00 min

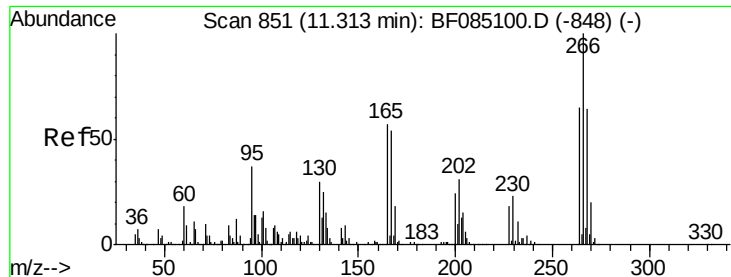
Lab File: BF085135.D

Acq: 2 Mar 2016 22:38



Tgt Ion:	200	Resp:	290383
Ion Ratio	Lower	Upper	
200	100		
173	29.3	9.4	49.4
215	43.0	23.6	63.6





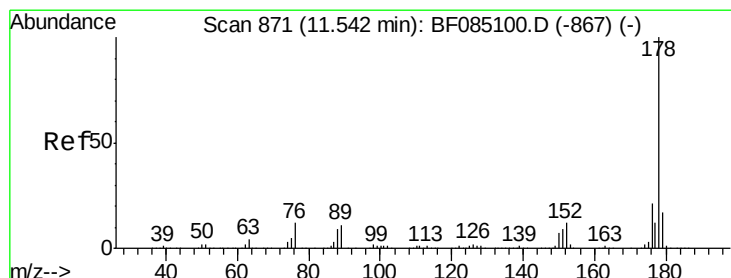
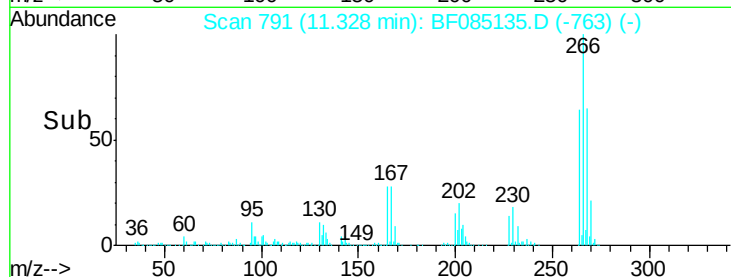
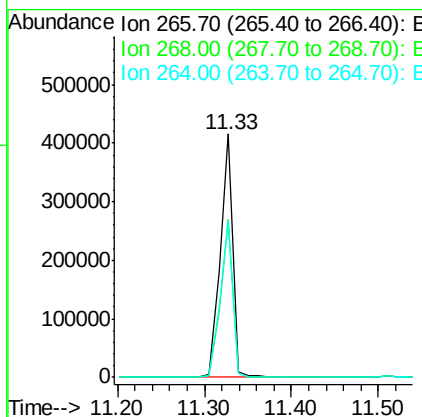
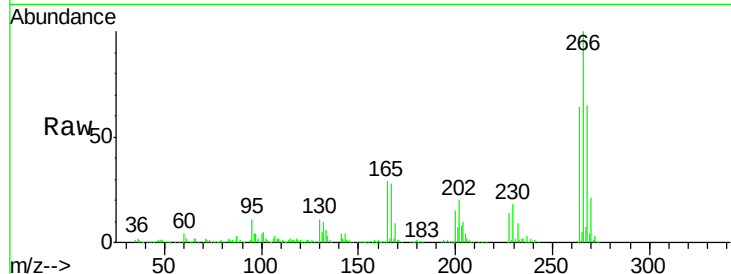
#69
 Pentachlorophenol
 Concen: 110.20 ng
 RT: 11.33 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.8	51.0	76.6
264	64.3	52.3	78.5

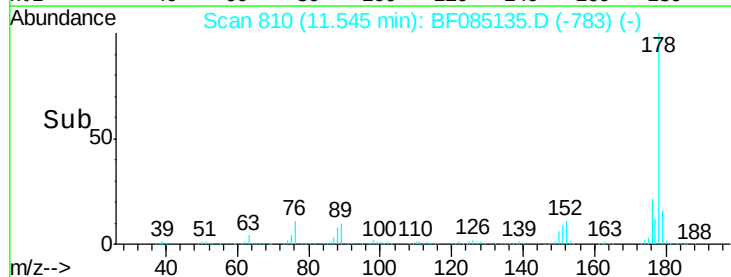
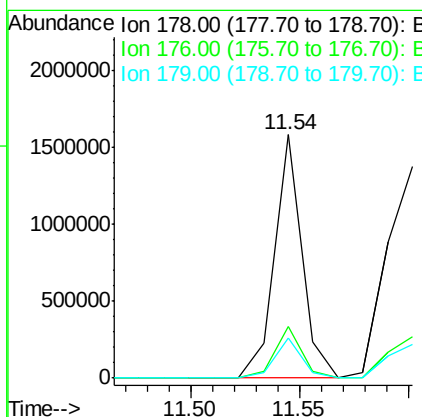
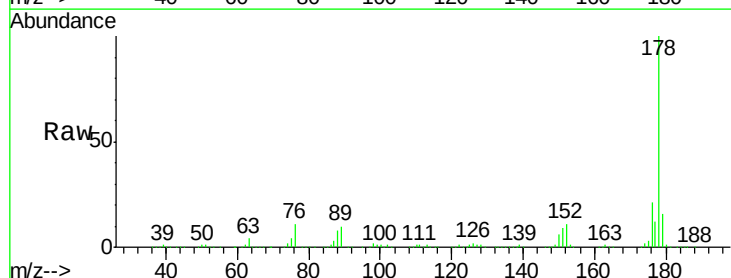
Manual Integrations
 APPROVED

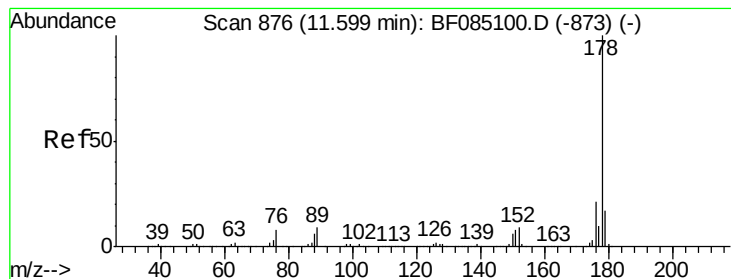
UMANGI
 3/3/2016 1:42:59 PM



#70
 Phenanthrene
 Concen: 51.08 ng
 RT: 11.54 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	17.0	25.6
179	16.5	13.3	19.9





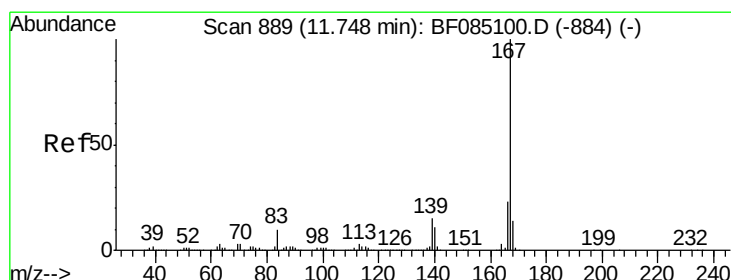
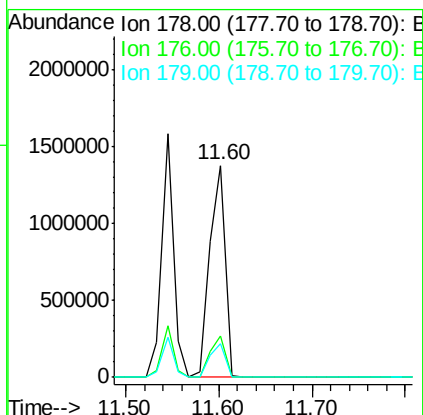
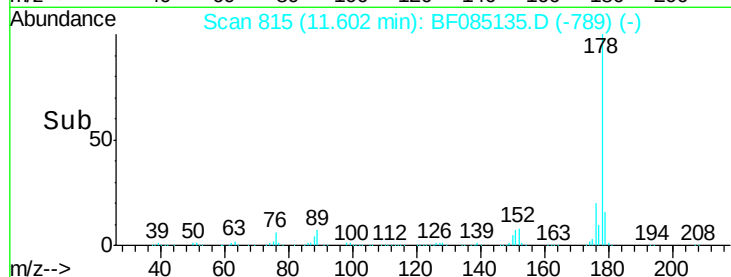
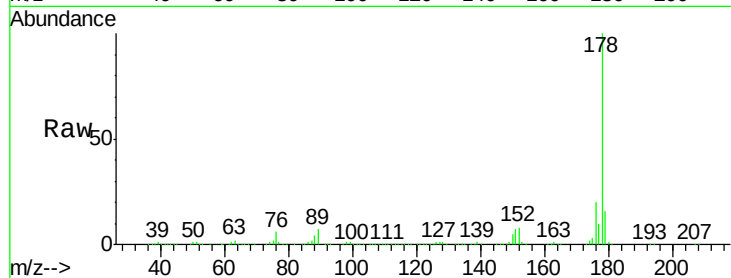
#71
 Anthracene
 Concen: 51.13 ng
 RT: 11.60 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion:178 Resp: 1585779
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.6 25.0
 179 15.8 13.2 19.8

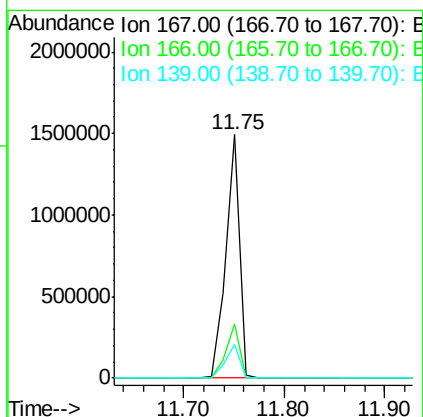
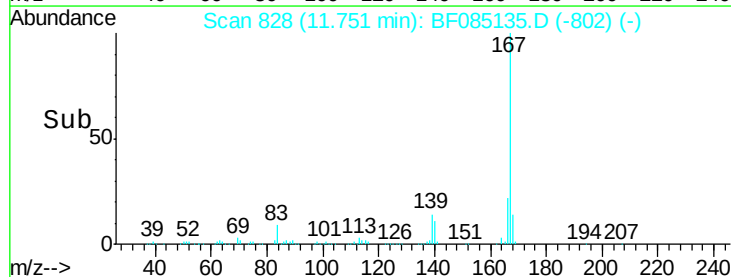
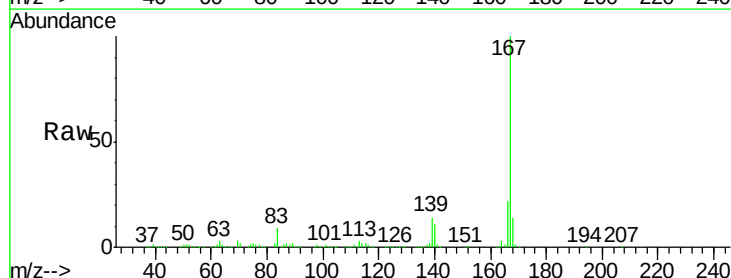
Manual Integrations
 APPROVED

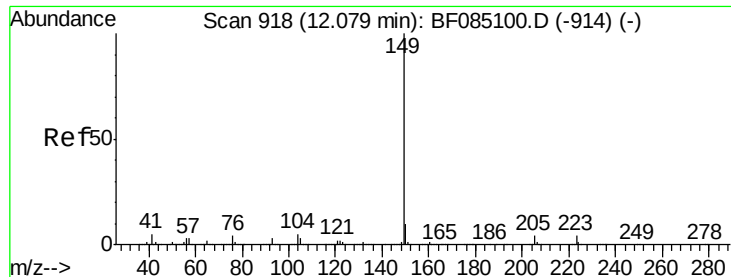
UMANGI
 3/3/2016 1:42:59 PM



#72
 Carbazole
 Concen: 52.10 ng
 RT: 11.75 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion:167 Resp: 1406116
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.6 28.0
 139 13.8 11.8 17.8





#73

Di-n-butylphthalate

Concen: 53.04 ng

RT: 12.08 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

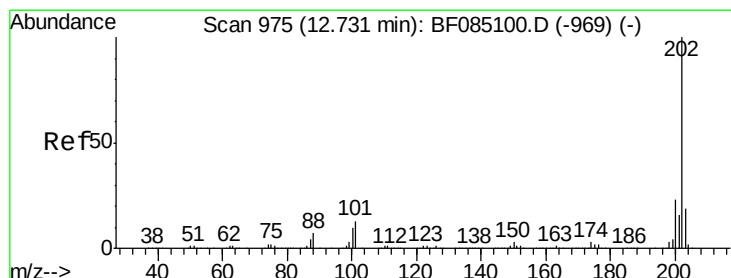
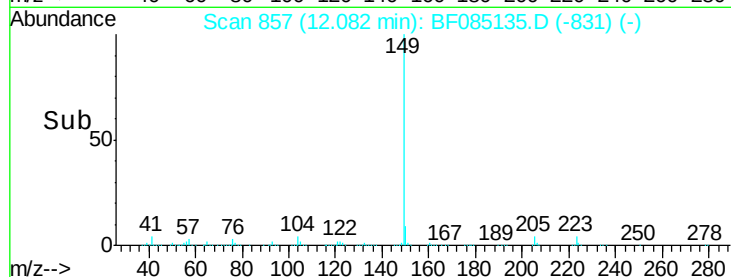
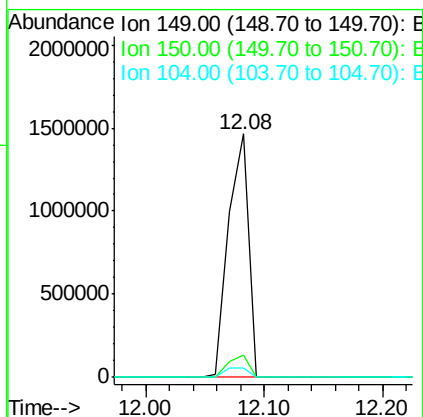
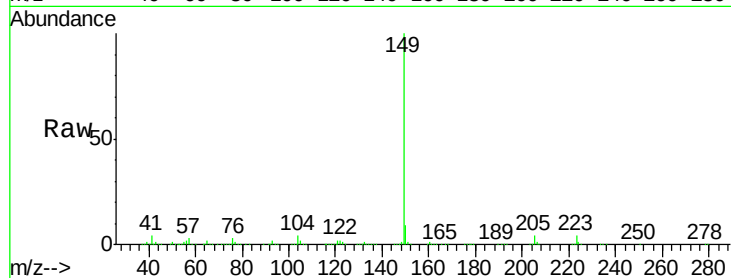
20160225-WC-CMSD

Manual Integrations
APPROVED

UMANGI

3/3/2016 1:42:59 PM

Tgt Ion:	149	Resp:	1703903
Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	4.1	3.7	5.5



#74

Fluoranthene

Concen: 46.07 ng

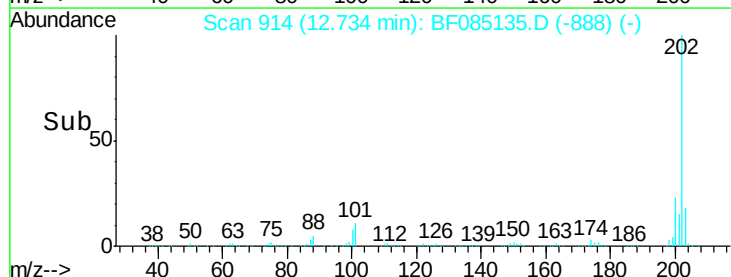
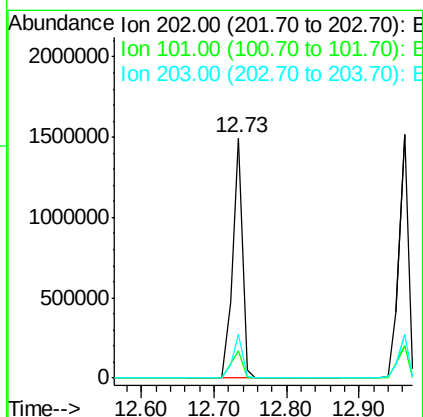
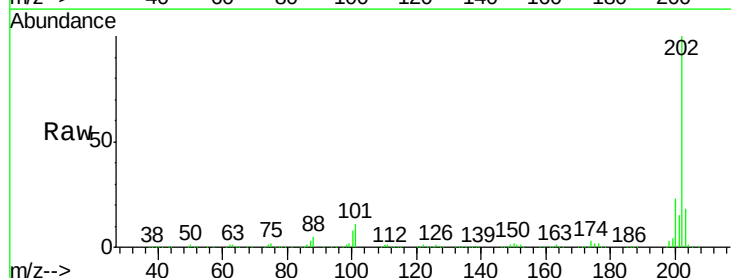
RT: 12.73 min Scan# 914

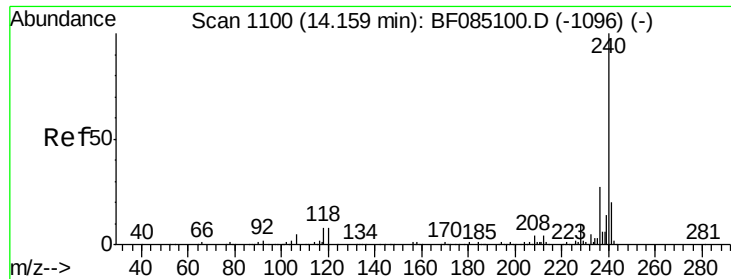
Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion:	202	Resp:	1396213
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.2
203	18.3	0.0	38.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.16 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

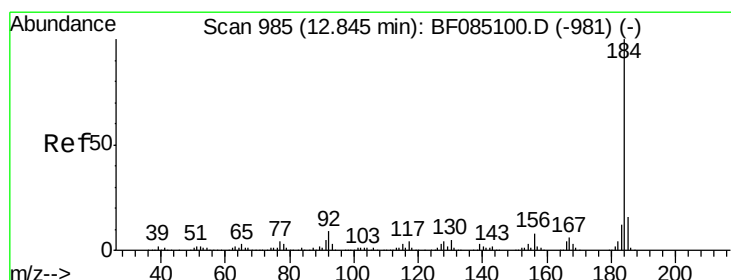
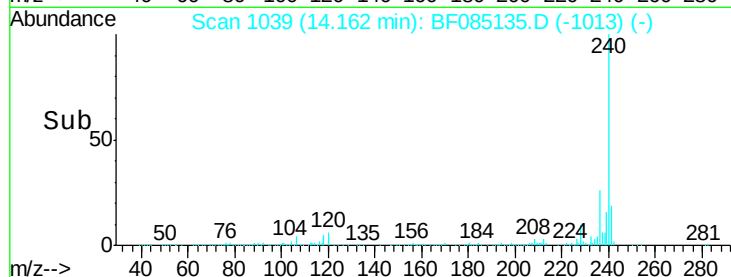
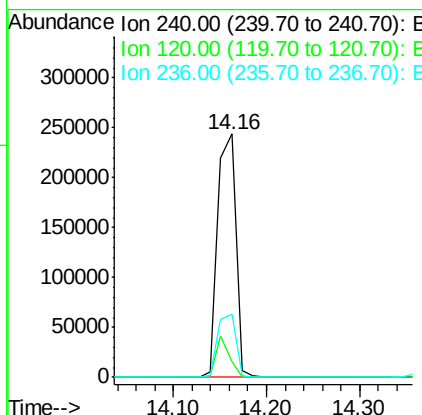
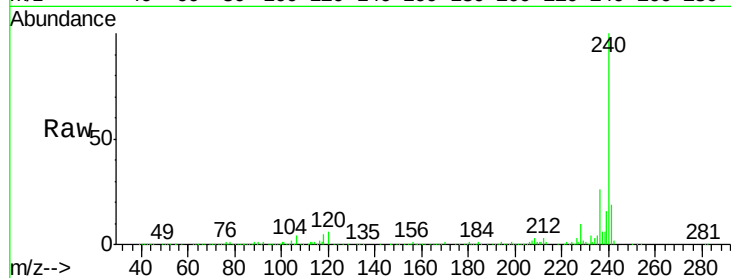
ClientSampleId :

20160225-WC-CMSD

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	329216		
120	6.2	6.7	10.1#	
236	26.2	21.6	32.4	

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#76

Benzidine

Concen: 14.85 ng

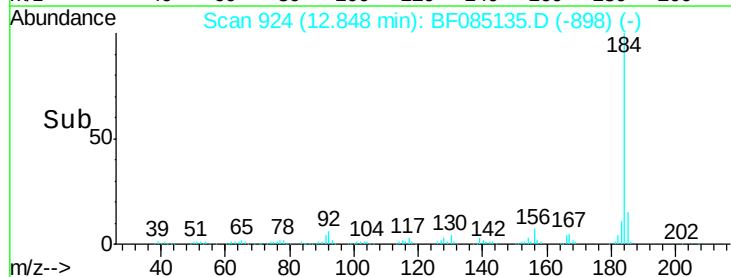
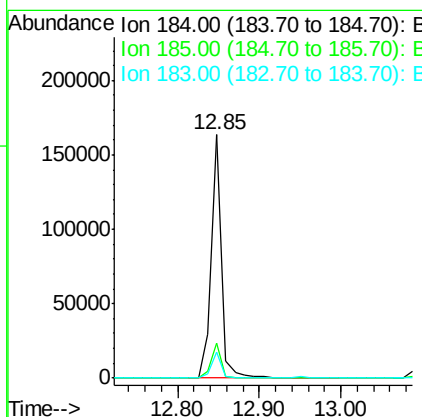
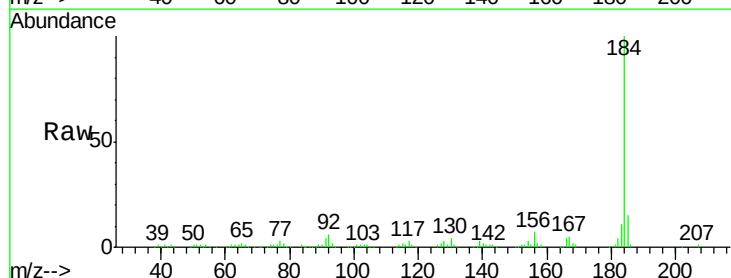
RT: 12.85 min Scan# 924

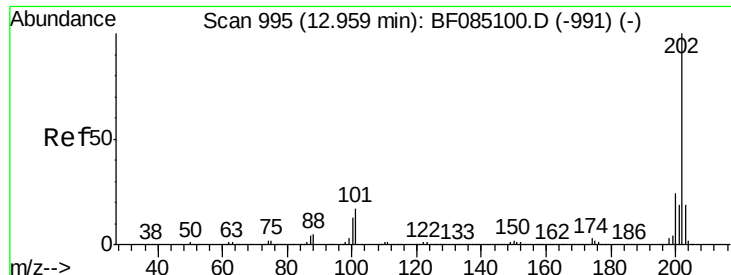
Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	147810		
185	14.6	12.6	18.8	
183	10.8	9.5	14.3	





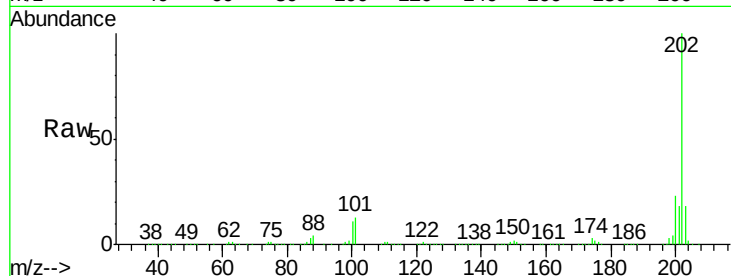
#77
 Pyrene
 Concen: 61.28 ng
 RT: 12.96 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	19.0	28.6
203	18.2	15.0	22.6

Manual Integrations
 APPROVED

UMANGI
 3/3/2016 1:42:59 PM

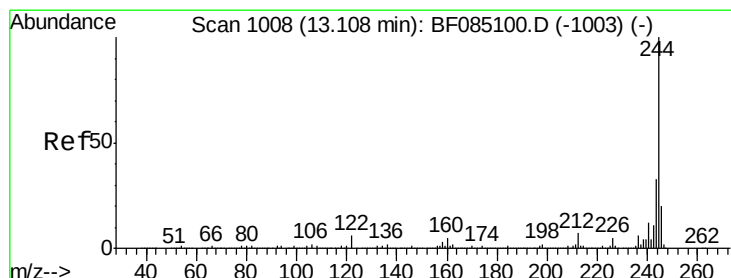
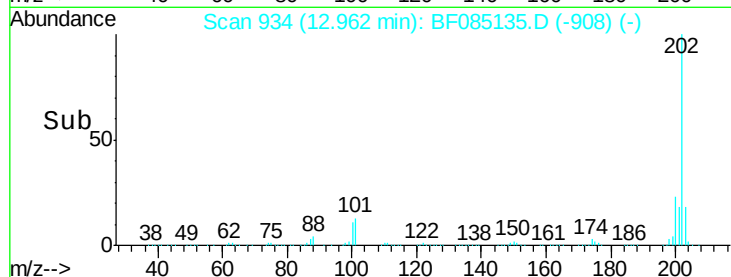
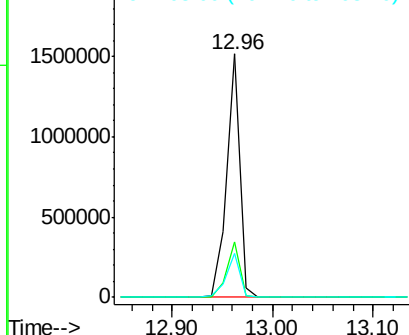


Abundance

Ion 202.00 (201.70 to 202.70): E

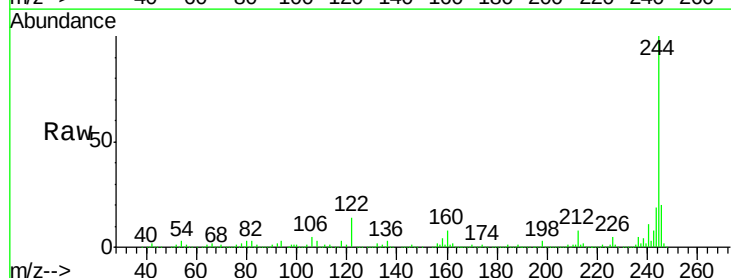
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
 Terphenyl-d14
 Concen: 111.99 ng
 RT: 13.10 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	13.6	5.1	7.7#

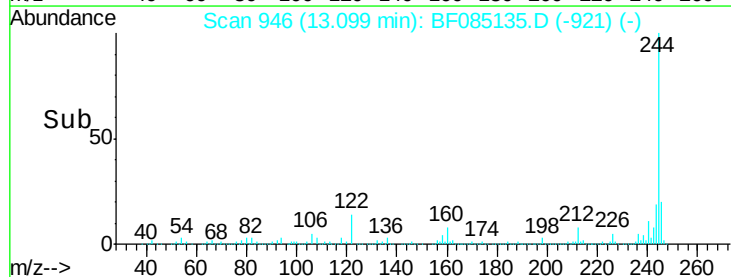
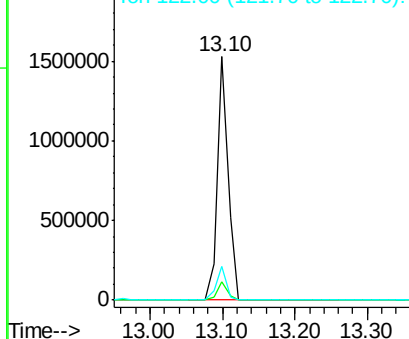


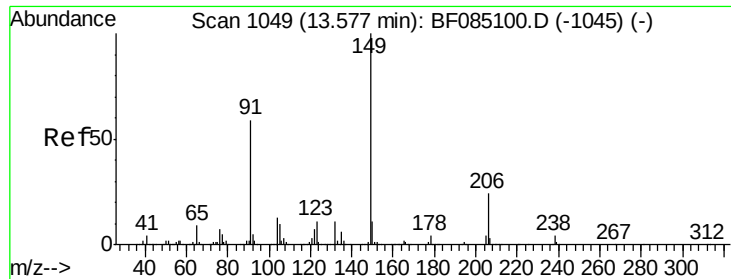
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





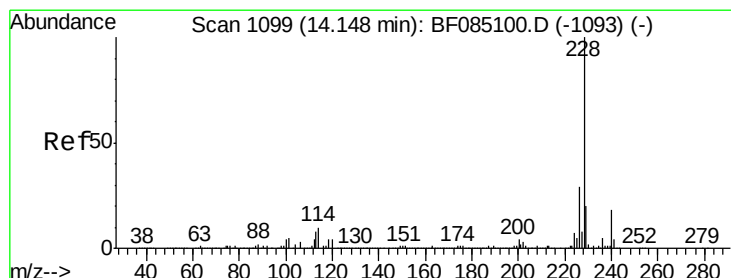
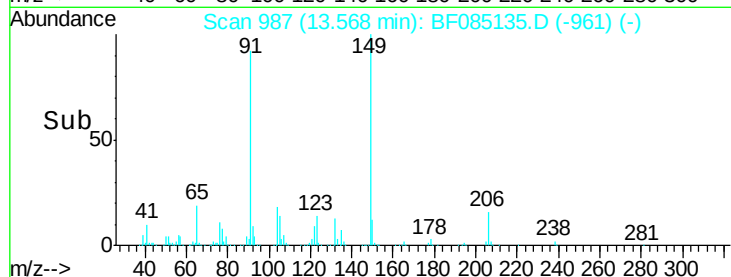
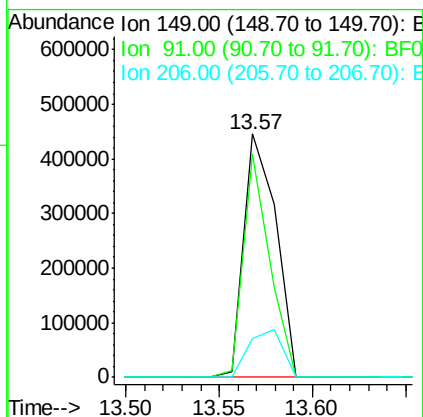
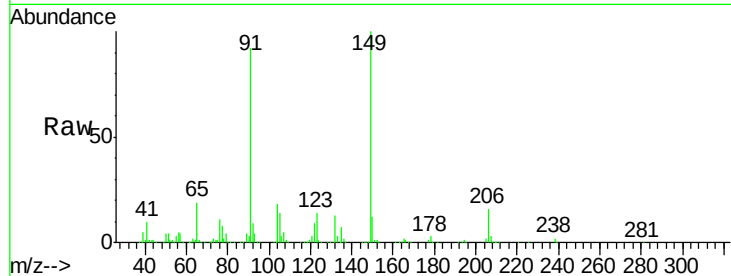
#79
Butylbenzylphthalate
Concen: 55.81 ng
RT: 13.57 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	531194		
91	91.7	46.9	70.3#	
206	16.1	19.0	28.6#	

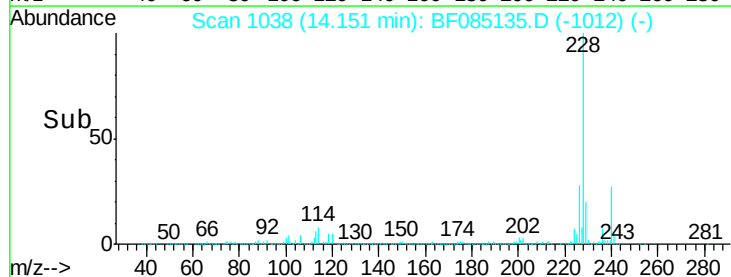
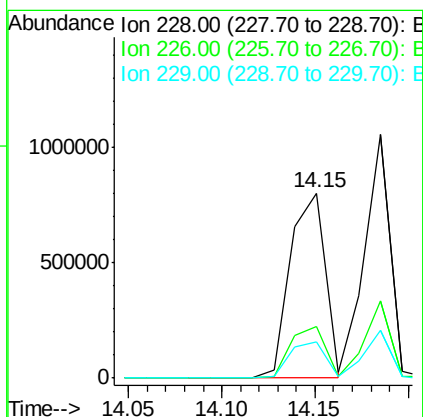
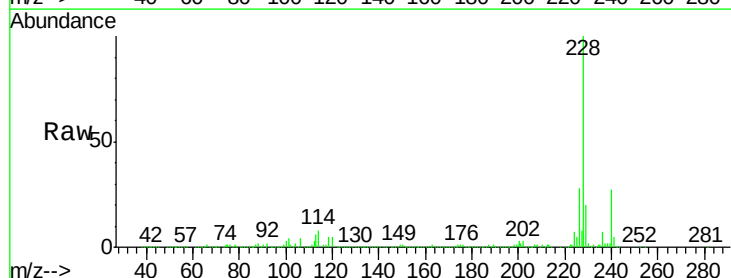
Manual Integrations
APPROVED

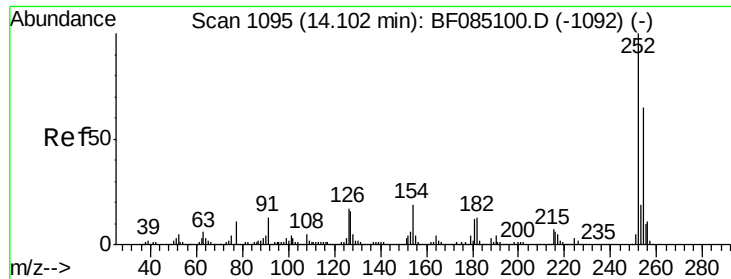
UMANGI
3/3/2016 1:42:59 PM



#80
Benzo(a)anthracene
Concen: 54.45 ng
RT: 14.15 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1040750		
226	28.1	23.0	34.4	
229	19.8	16.1	24.1	





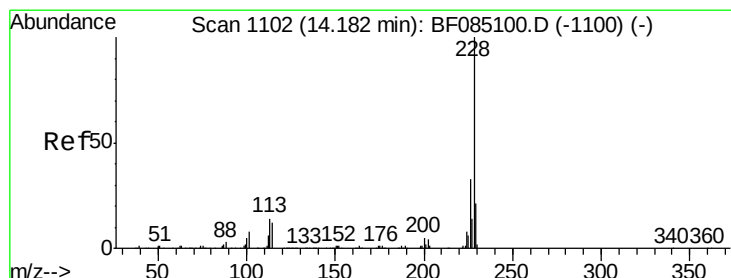
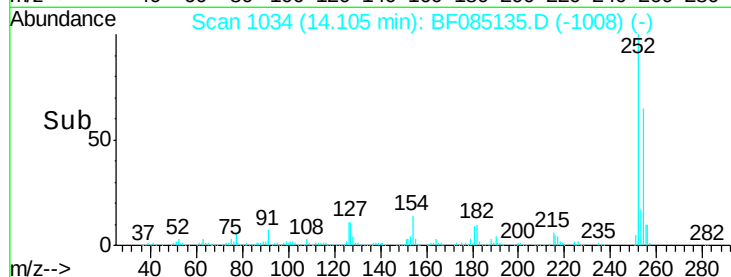
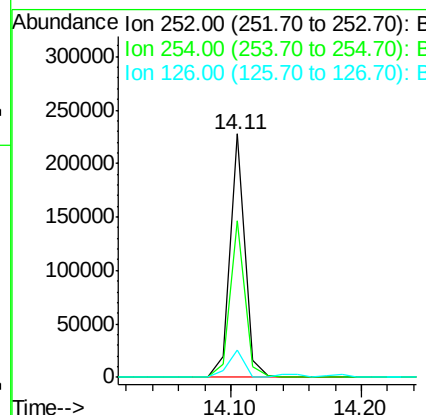
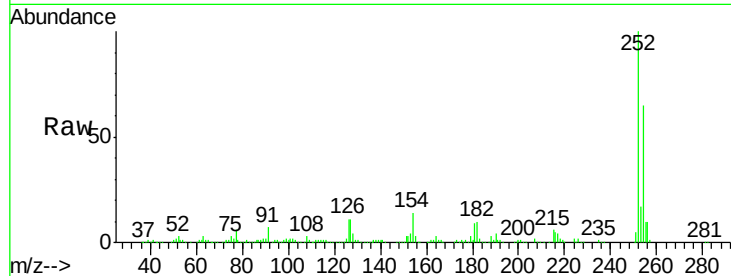
#81
 3,3'-Dichlorobenzidine
 Concen: 30.54 ng
 RT: 14.11 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.5	51.8	77.6
126	11.0	13.2	19.8

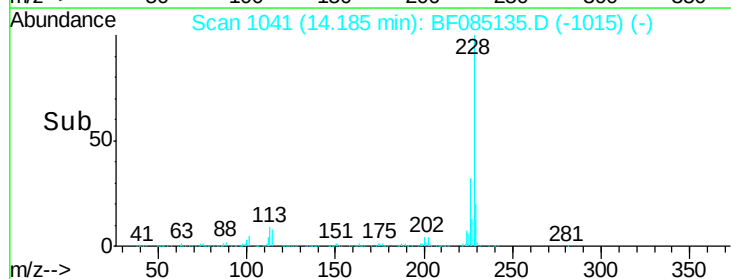
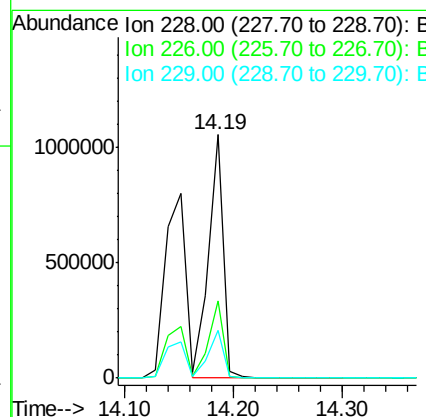
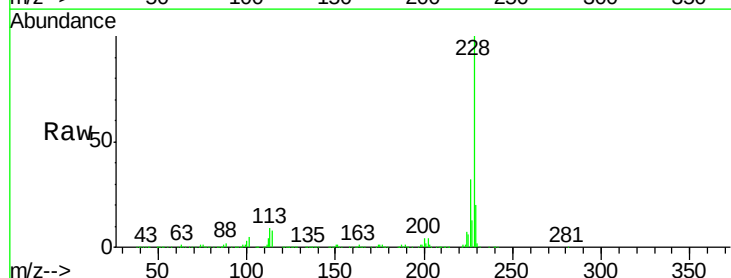
Manual Integrations
 APPROVED

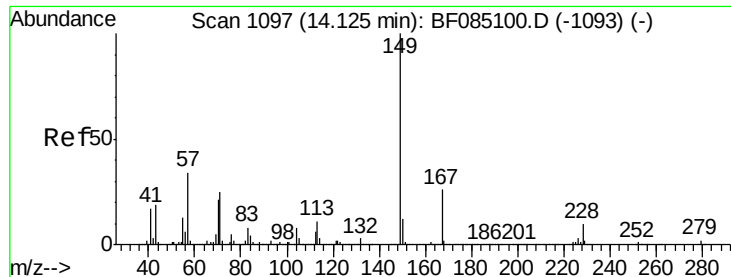
UMANGI
 3/3/2016 1:42:59 PM



#82
 Chrysene
 Concen: 57.37 ng
 RT: 14.19 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.6	26.2	39.4
229	19.7	16.5	24.7





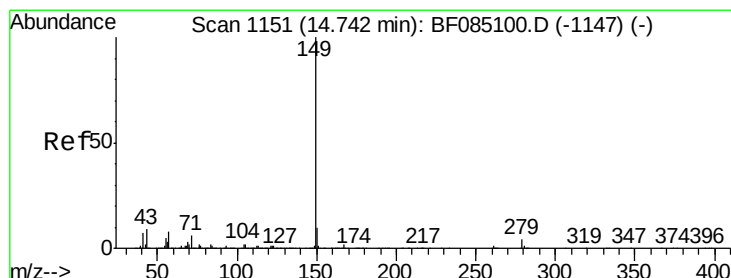
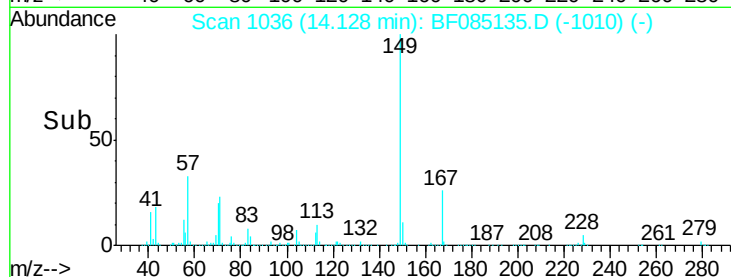
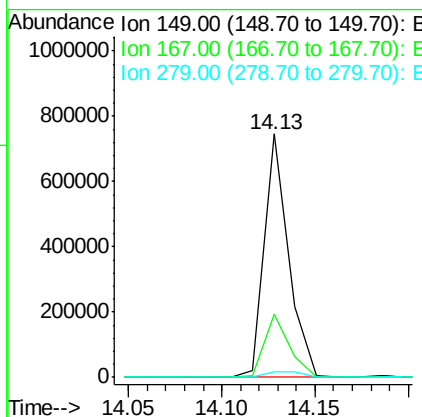
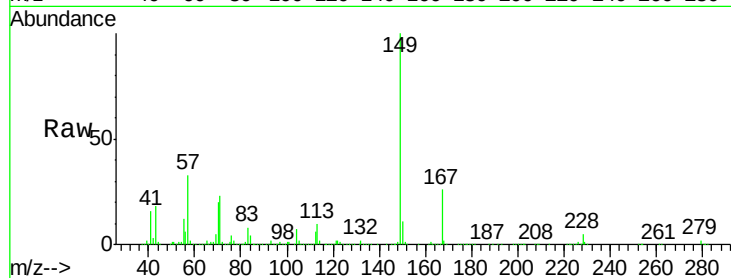
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 61.92 ng
 RT: 14.13 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	680371		
167	25.8	20.6	31.0	
279	2.4	2.0	3.0	

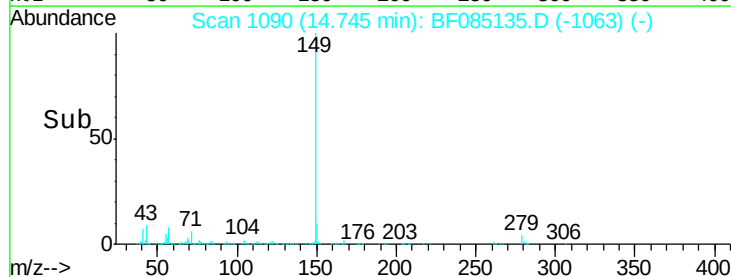
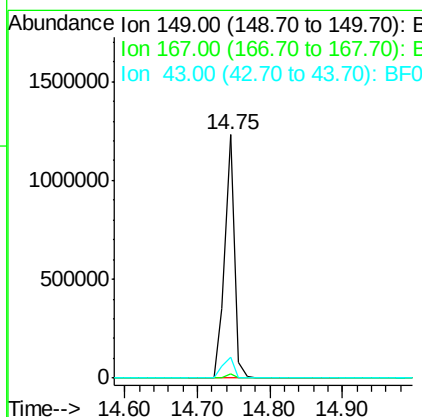
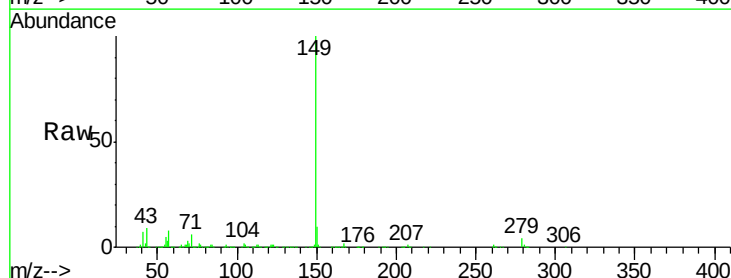
Manual Integrations
 APPROVED

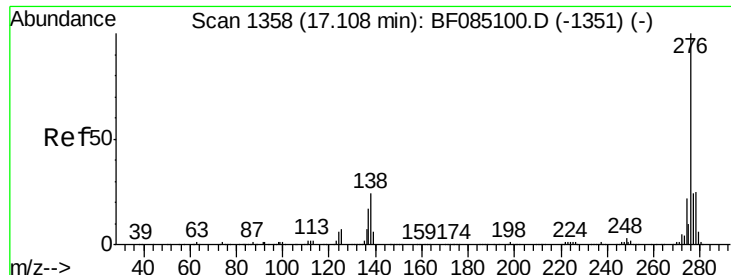
UMANGI
 3/3/2016 1:42:59 PM



#84
 Di-n-octyl phthalate
 Concen: 70.84 ng
 RT: 14.75 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

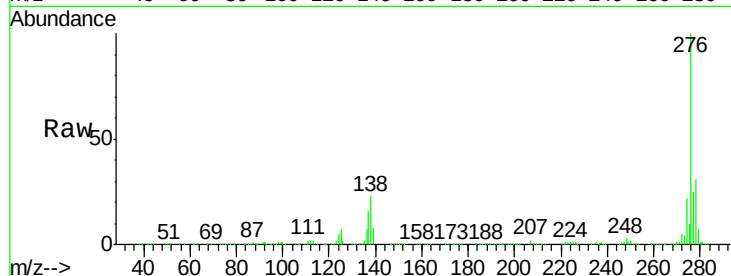
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1155507		
167	1.5	1.2	1.8	
43	10.2	8.8	13.2	





#85
 Indeno(1,2,3-cd)pyrene
 Concen: 86.13 ng
 RT: 17.12 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

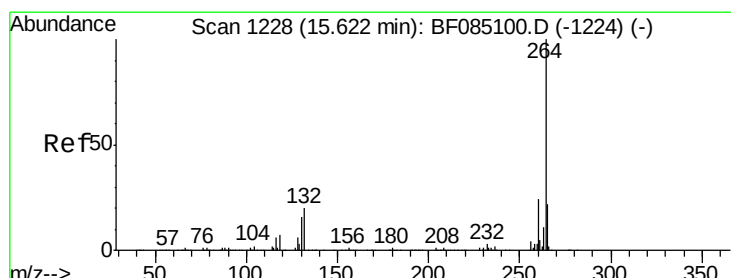
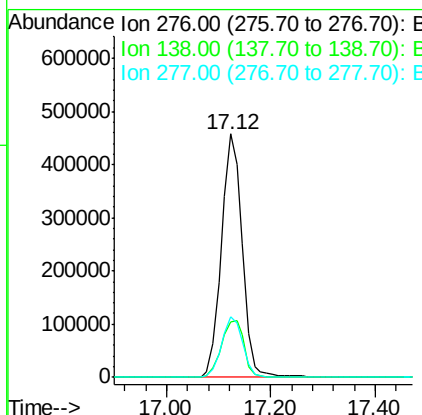
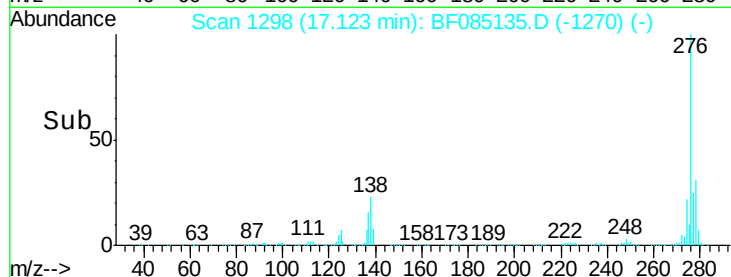
Instrument :
 BNA_F
 ClientSampleId :
 20160225-WC-CMSD



Tgt Ion: 276 Resp: 1271247
 Ion Ratio Lower Upper
 276 100
 138 25.7 21.4 32.2
 277 25.5 20.1 30.1

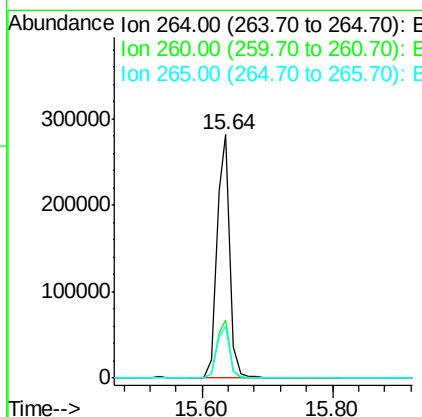
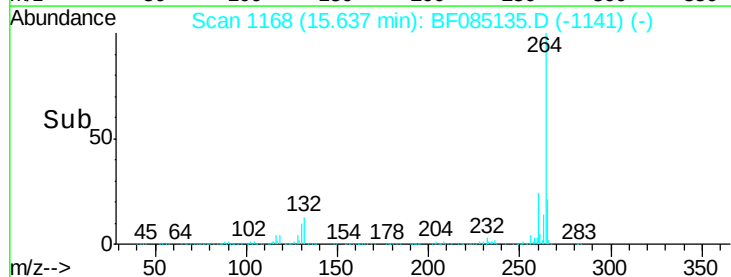
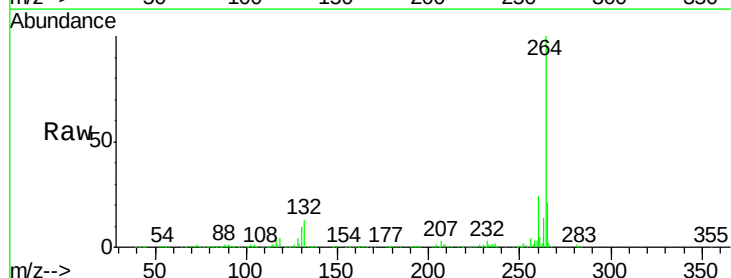
Manual Integrations
 APPROVED

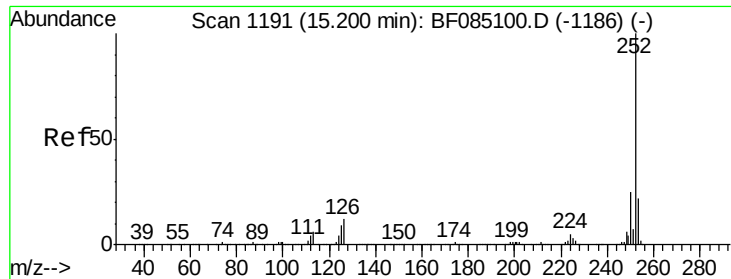
UMANGI
 3/3/2016 1:42:59 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.64 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: BF085135.D
 Acq: 2 Mar 2016 22:38

Tgt Ion: 264 Resp: 391207
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.6 29.4
 265 21.2 17.4 26.2





#87

Benzo(b)fluoranthene

Concen: 45.71 ng

RT: 15.20 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

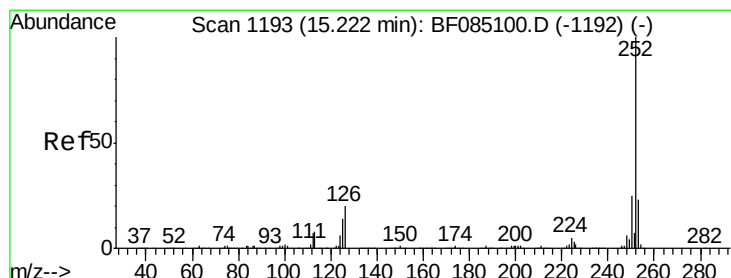
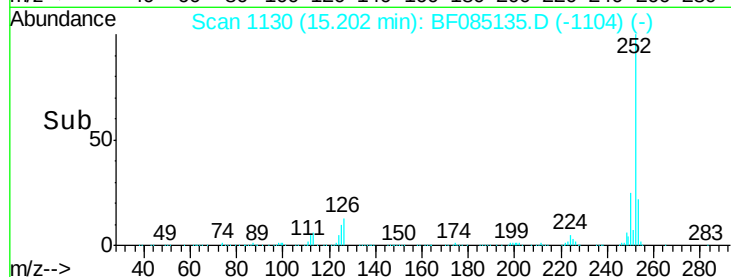
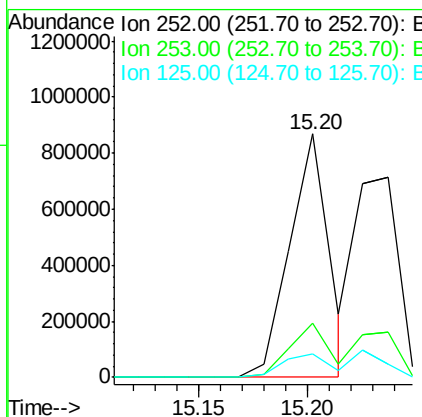
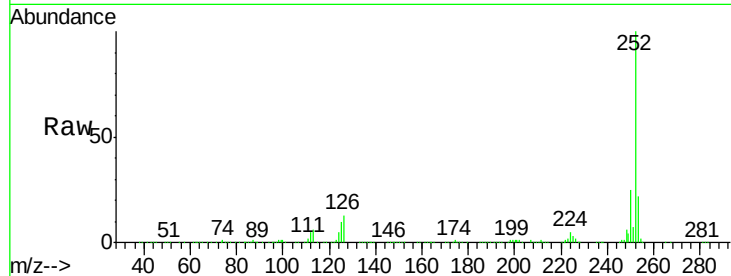
ClientSampleId :

20160225-WC-CMSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.6	7.0	10.4

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM



#88

Benzo(k)fluoranthene

Concen: 49.02 ng m

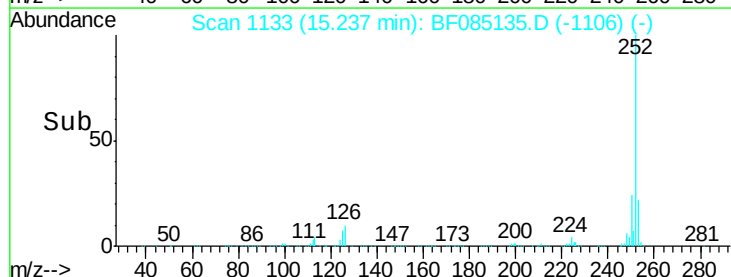
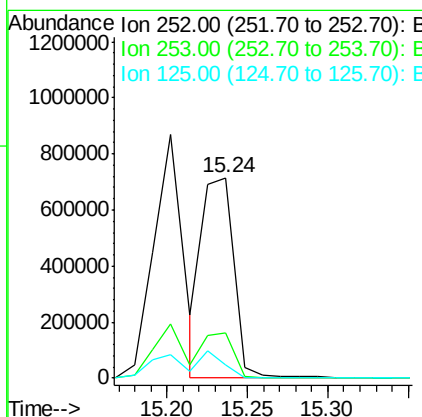
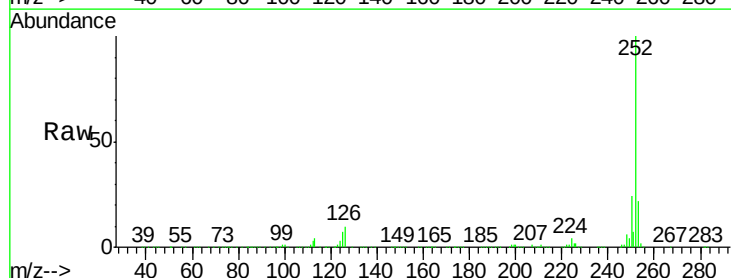
RT: 15.24 min Scan# 1133

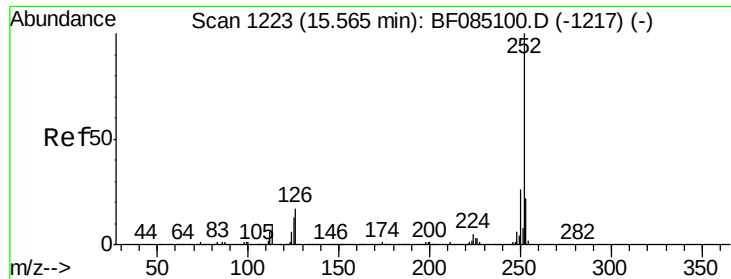
Delta R.T. 0.01 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	6.5	11.1	16.7#





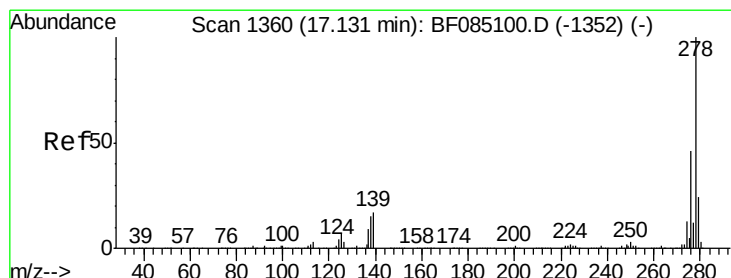
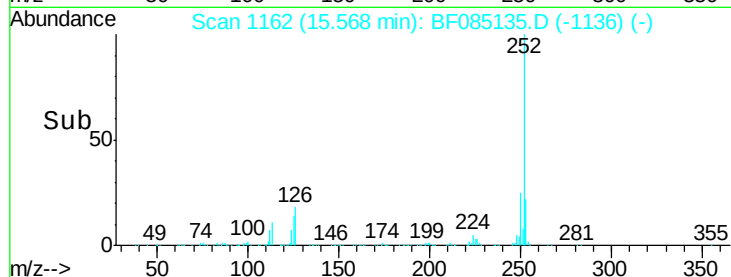
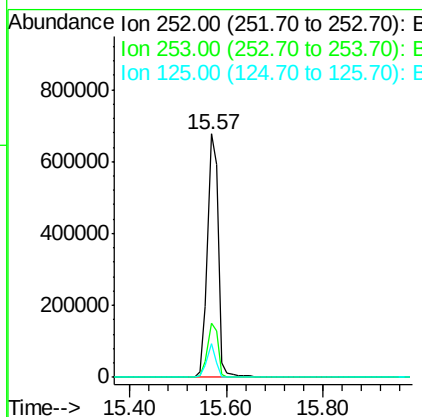
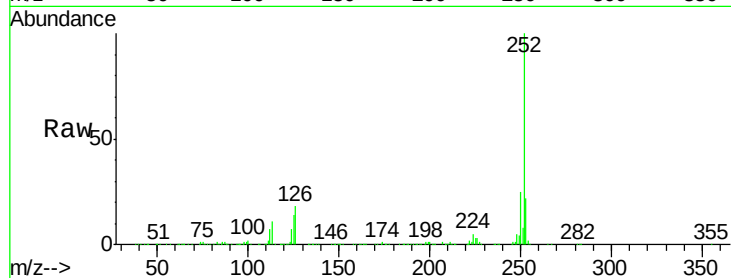
#89
Benzo(a)pyrene
Concen: 53.36 ng
RT: 15.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Instrument :
BNA_F
ClientSampleId :
20160225-WC-CMSD

Tgt Ion: 252 Resp: 1068988
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 13.9 10.2 15.2

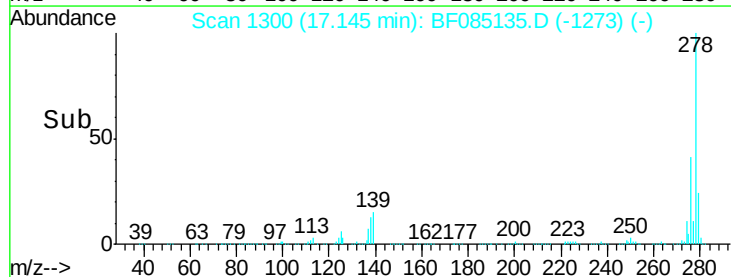
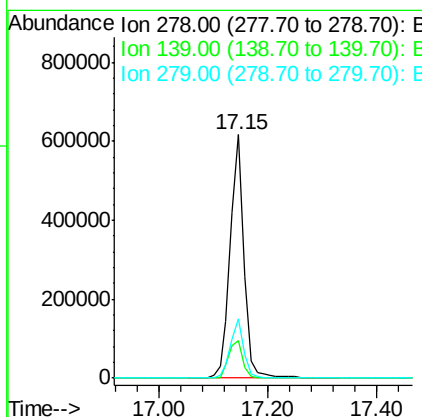
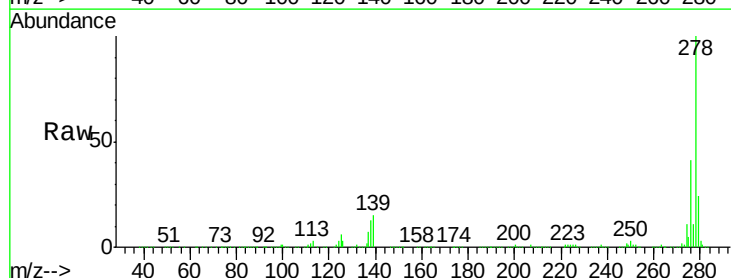
Manual Integrations
APPROVED

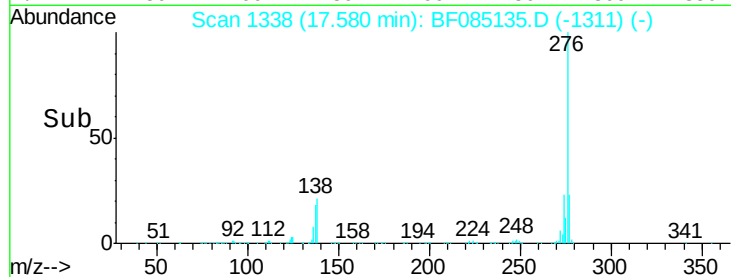
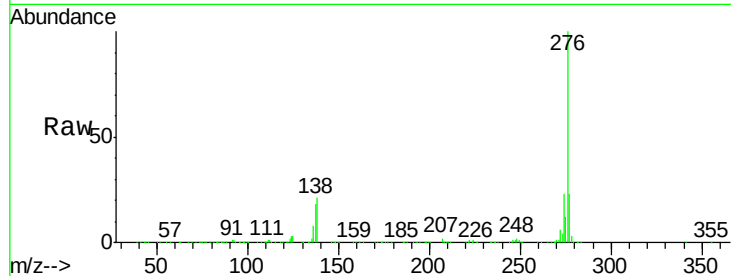
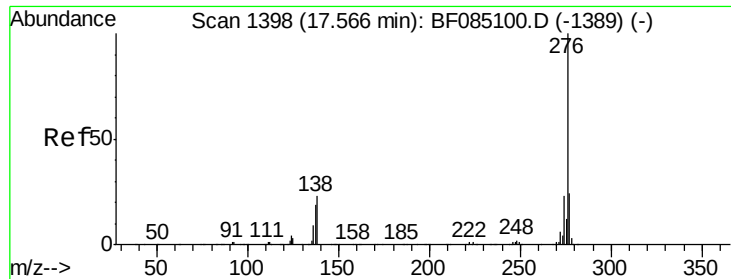
UMANGI
3/3/2016 1:42:59 PM



#90
Dibenzo(a,h)anthracene
Concen: 60.05 ng
RT: 17.15 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF085135.D
Acq: 2 Mar 2016 22:38

Tgt Ion: 278 Resp: 1083673
Ion Ratio Lower Upper
278 100
139 15.3 13.6 20.4
279 24.4 19.3 28.9





#91

Benzo(g,h,i)perylene

Concen: 55.76 ng

RT: 17.58 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BF085135.D

Acq: 2 Mar 2016 22:38

Instrument :

BNA_F

ClientSampleId :

20160225-WC-CMSD

Tgt Ion: 276 Resp: 1023119

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.4

138 21.0 18.1 27.1

Manual Integrations
APPROVED

UMANGI
3/3/2016 1:42:59 PM

