

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097649.D
 Acq On : 12 Aug 2017 23:07
 Operator : SJ/JU
 Sample : I4631-03MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Quant Time: Aug 14 05:23:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	117662	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	451928	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	176106	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	246338	20.00	ng	0.00
75) Chrysene-d12	18.47	240	168860	20.00	ng	0.00
86) Perylene-d12	20.14	264	170763	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	529786	71.57	ng	0.05
7) Phenol-d6	7.12	99	348706	37.97	ng	0.06
23) Nitrobenzene-d5	8.43	82	635060	88.11	ng	0.00
41) 2,4,6-Tribromophenol	13.67	330	151401	113.09	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	988123	84.68	ng	0.00
78) Terphenyl-d14	17.12	244	512825	62.86	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	1.86	88	38847	12.09	ng	# 78
3) Pyridine	2.54	79	57002	6.08	ng	# 70
4) n-Nitrosodimethylamine	2.42	42	80903	14.88	ng	# 77
6) Aniline	7.02	93	75726	5.74	ng	99
8) 2-Chlorophenol	7.21	128	299439	35.29	ng	89
9) Benzaldehyde	6.82	77	171097	28.26	ng	98
11) bis(2-Chloroethyl)ether	7.15	93	329471	40.85	ng	90
12) 1,3-Dichlorobenzene	7.40	146	317399	33.40	ng	98
13) 1,4-Dichlorobenzene	7.53	146	353748	36.57	ng	95
14) 1,2-Dichlorobenzene	7.76	146	333518	37.78	ng	99
15) Benzyl Alcohol	7.82	79	176986	27.89	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.00	45	876019	48.38	ng	90
17) 2-Methylphenol	8.06	107	227741	34.63	ng	98
18) Hexachloroethane	8.28	117	115198	34.81	ng	# 81
19) n-Nitroso-di-n-propylamine	8.24	70	282500	44.23	ng	# 80
20) 3+4-Methylphenols	8.33	107	238507	29.61	ng	# 60
22) Acetophenone	8.19	105	508053	47.59	ng	# 99
24) Nitrobenzene	8.46	77	329610	41.97	ng	93
25) Isophorone	8.86	82	571782	43.07	ng	96
26) 2-Nitrophenol	8.96	139	170527	42.92	ng	# 89
27) 2,4-Dimethylphenol	9.12	122	261531	39.48	ng	98
28) bis(2-Chloroethoxy)methane	9.23	93	390987	40.76	ng	99
29) 2,4-Dichlorophenol	9.40	162	246866	42.26	ng	95
30) 1,2,4-Trichlorobenzene	9.46	180	226278	39.07	ng	98
31) Naphthalene	9.57	128	874016	38.61	ng	99
32) Benzoic acid	9.42	122	26296	7.37	ng	96
33) 4-Chloroaniline	9.73	127	141928	15.13	ng	98
34) Hexachlorobutadiene	9.79	225	114909	36.32	ng	99
35) Caprolactam	10.42	113	9677	5.14	ng	# 29
36) 4-Chloro-3-methylphenol	10.60	107	231112	35.21	ng	85
37) 2-Methylnaphthalene	10.70	142	575757	40.42	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.97	216	209139	41.94	ng	99
40) Hexachlorocyclopentadiene	10.95	237	33256	45.38	ng	97
42) 2,4,6-Trichlorophenol	11.21	196	129543	39.43	ng	97

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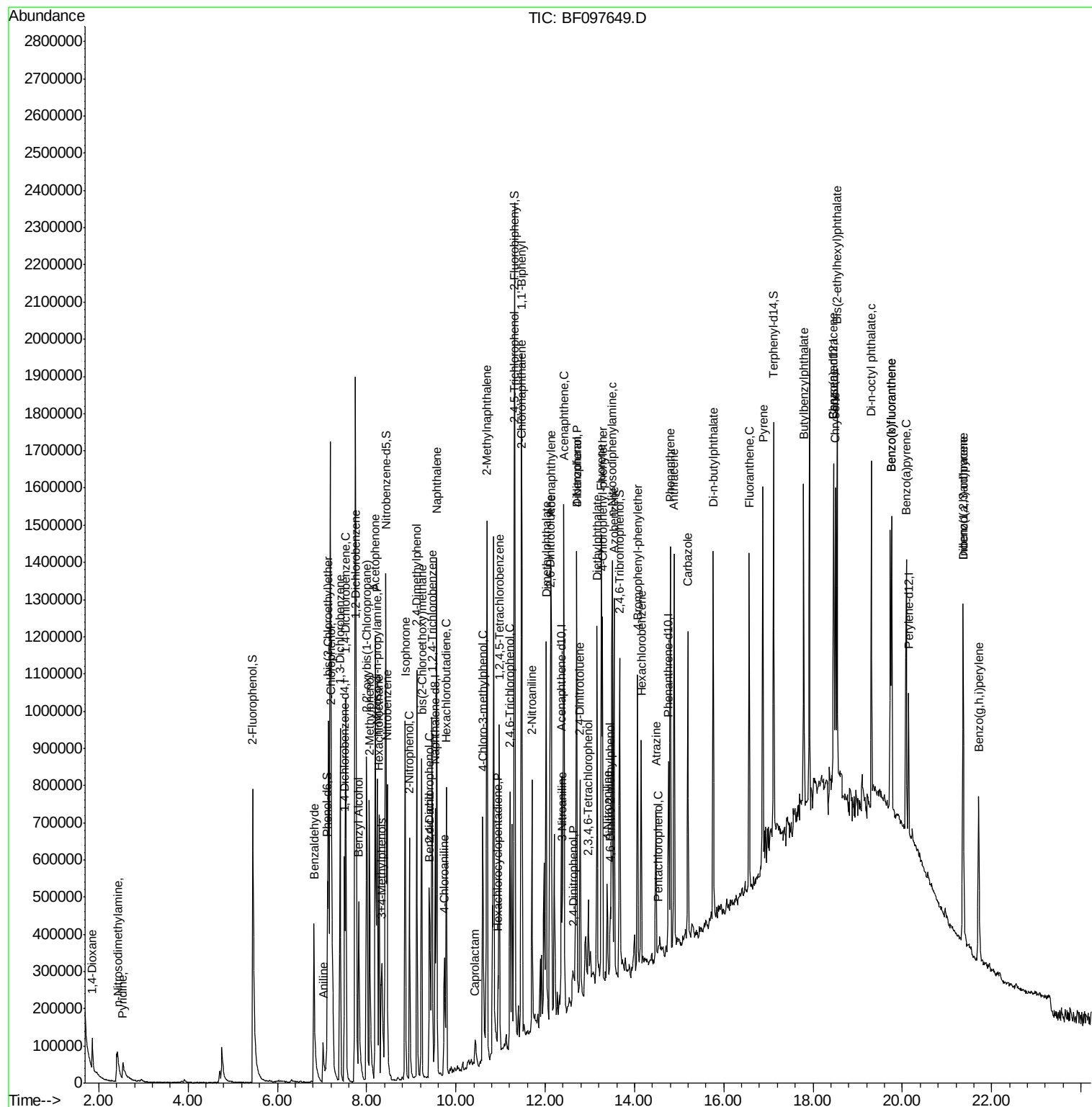
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	11.30	196	111393	35.90	nq	96
45) 1,1'-Biphenyl	11.46	154	611457	40.47	nq	98
46) 2-Chloronaphthalene	11.48	162	459147	39.58	nq #	93
47) 2-Nitroaniline	11.70	65	177040	38.96	nq	97
48) Acenaphthylene	12.13	152	715478	38.80	nq	99
49) Dimethylphthalate	12.02	163	610304	44.97	nq	98
50) 2,6-Dinitrotoluene	12.12	165	115314	41.14	nq #	65
51) Acenaphthene	12.42	154	428500	38.77	nq	98
52) 3-Nitroaniline	12.39	138	68104	18.56	nq	94
53) 2,4-Dinitrophenol	12.62	184	46562	40.30	nq #	71
54) Dibenzofuran	12.70	168	638044	41.24	nq	97
55) 4-Nitrophenol	12.70	139	255213	182.61	nq #	30
56) 2,4-Dinitrotoluene	12.78	165	152940	40.88	nq #	77
57) Fluorene	13.26	166	491133	38.60	nq	98
58) 2,3,4,6-Tetrachlorophenol	12.96	232	73971	34.71	nq #	78
59) Diethylphthalate	13.16	149	535522	41.78	nq	98
60) 4-Chlorophenyl-phenylether	13.29	204	217576	40.05	nq	95
61) 4-Nitroaniline	13.39	138	59498	17.00	nq	95
62) Azobenzene	13.54	77	513299	40.25	nq	92
64) 4,6-Dinitro-2-methylphenol	13.46	198	41956	27.92	nq	91
65) n-Nitrosodiphenylamine	13.50	169	424575	46.64	nq	98
66) 4-Bromophenyl-phenylether	14.07	248	118993	46.56	nq	95
67) Hexachlorobenzene	14.15	284	122088	43.85	nq #	87
68) Atrazine	14.48	200	70198	30.73	nq	91
69) Pentachlorophenol	14.53	266	14310	29.11	nq	92
70) Phenanthrene	14.80	178	591010	41.66	nq	99
71) Anthracene	14.89	178	592407	40.81	nq	99
72) Carbazole	15.19	167	522470	37.81	nq	100
73) Di-n-butylphthalate	15.76	149	714795	44.19	nq	99
74) Fluoranthene	16.57	202	482567	37.64	nq	98
77) Pyrene	16.87	202	522524	37.42	nq	99
79) Butylbenzylphthalate	17.79	149	265652	45.51	nq #	72
80) Benzo(a)anthracene	18.46	228	425813	43.18	nq	98
82) Chrysene	18.50	228	402310	41.01	nq	100
83) Bis(2-ethylhexyl)phthalate	18.54	149	379381	45.69	nq	98
84) Di-n-octyl phthalate	19.30	149	600247	41.40	nq #	94
85) Indeno(1,2,3-cd)pyrene	21.36	276	397204	52.06	nq	96
87) Benzo(b)fluoranthene	19.76	252	372491	36.33	nq	98
88) Benzo(k)fluoranthene	19.76	252	372491	36.07	nq	97
89) Benzo(a)pyrene	20.09	252	402858	42.80	nq	99
90) Dibenzo(a,h)anthracene	21.36	278	331249	49.16	nq #	93
91) Benzo(g,h,i)perylene	21.71	276	342626	46.35	nq	97

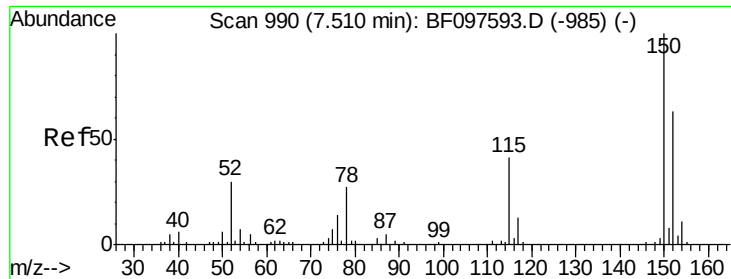
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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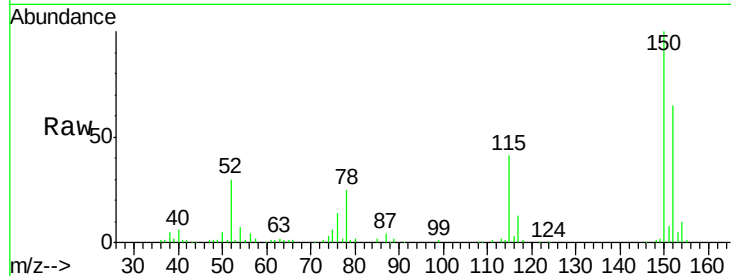


#1

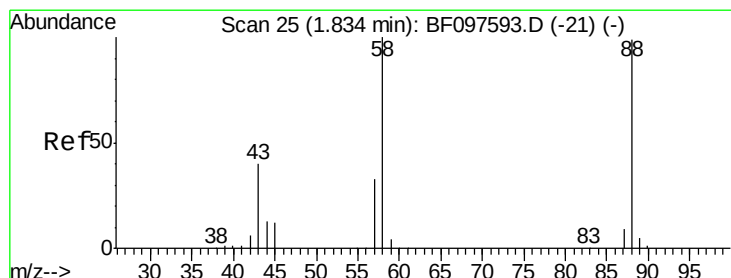
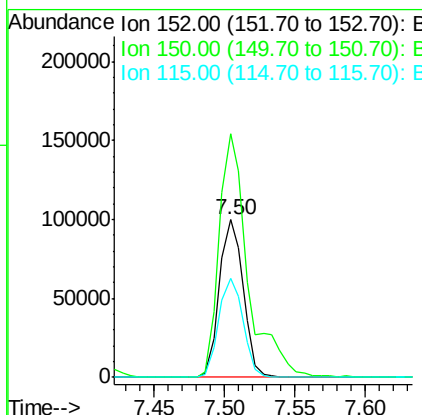
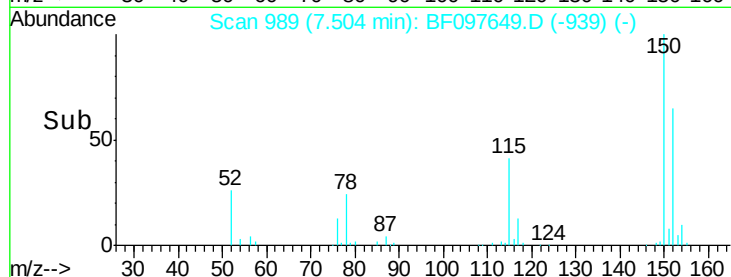
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.50 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:152 Resp: 117662
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.2
115 62.9 52.2 78.2



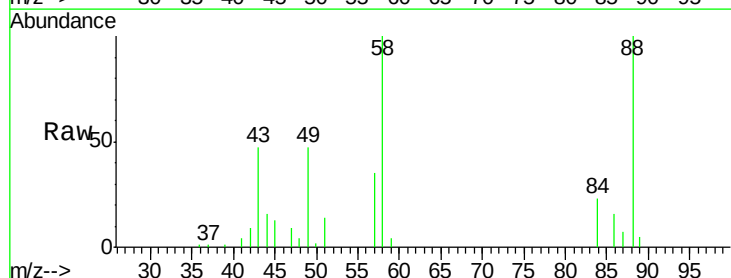
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



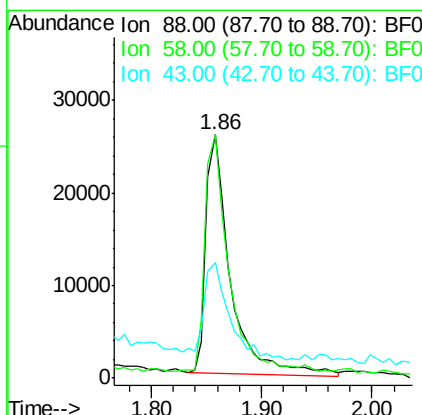
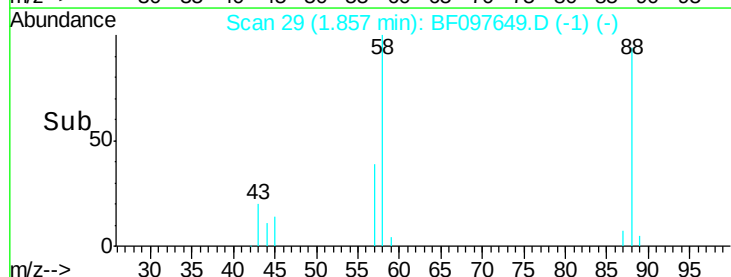
#2

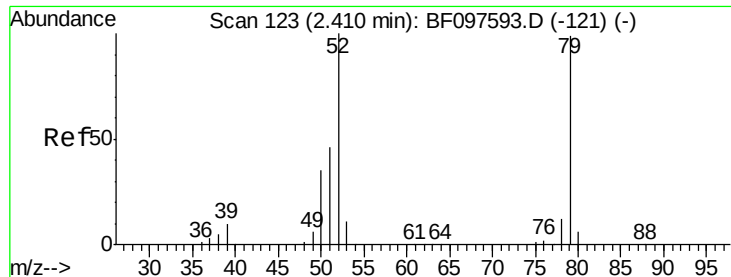
1,4-Dioxane
Concen: 12.09 ng
RT: 1.86 min Scan# 29
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion: 88 Resp: 38847
Ion Ratio Lower Upper
88 100
58 94.1 61.4 92.0#
43 43.1 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 6.08 ng

RT: 2.54 min Scan# 145

Delta R.T. 0.13 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

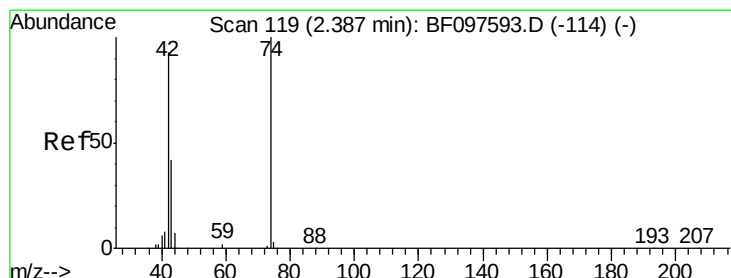
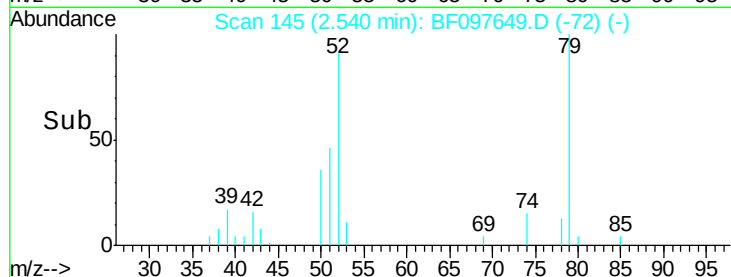
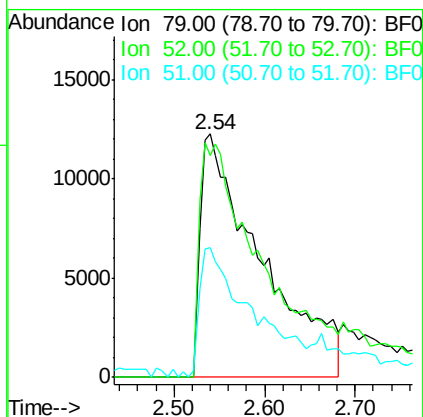
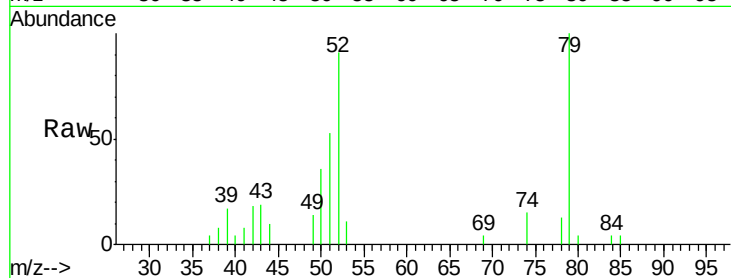
Tot Ion: 79 Resp: 57002

Ion Ratio Lower Upper

79 100

52 90.9 54.8 82.2#

51 53.3 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 14.88 ng

RT: 2.42 min Scan# 124

Delta R.T. 0.03 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

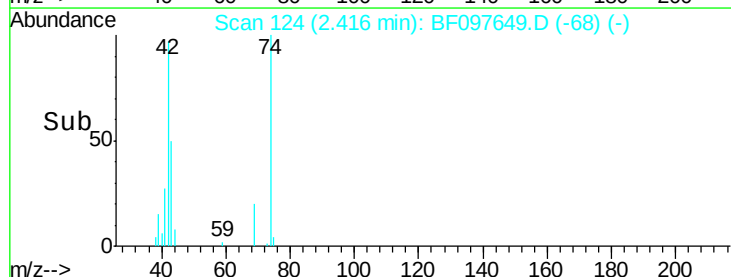
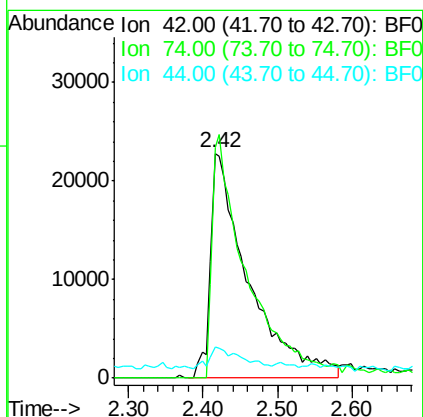
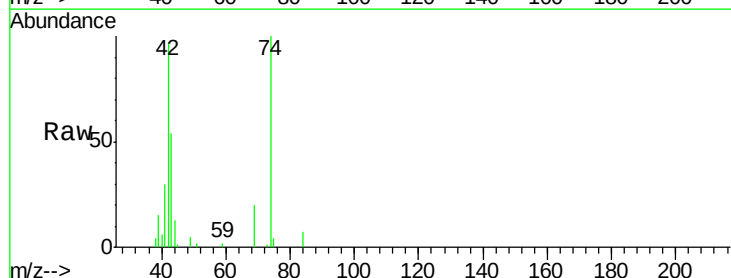
Tgt Ion: 42 Resp: 80903

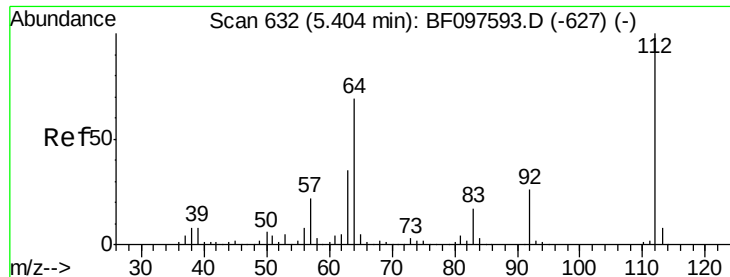
Ion Ratio Lower Upper

42 100

74 103.0 103.9 155.9#

44 13.8 5.7 8.5#





#5

2-Fluorophenol

Concen: 71.57 ng

RT: 5.45 min Scan# 640

Delta R.T. 0.05 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

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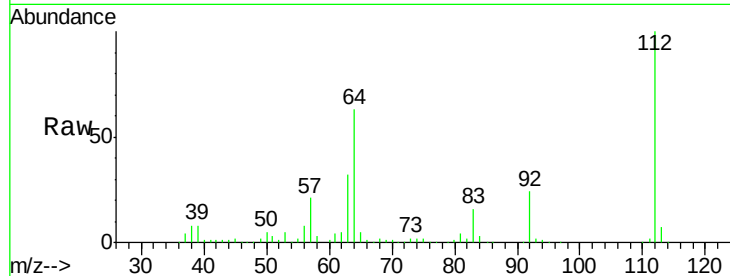
Tot Ion:112 Resp: 529786

Ion Ratio Lower Upper

112 100

64 63.0 46.0 69.0

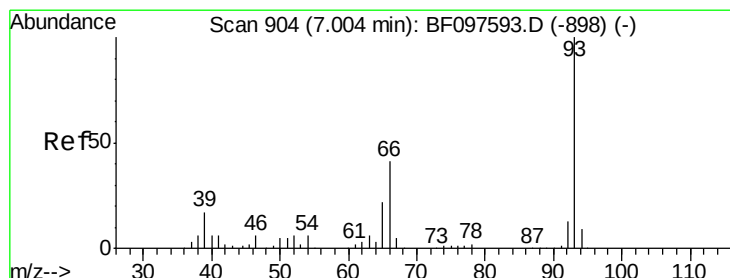
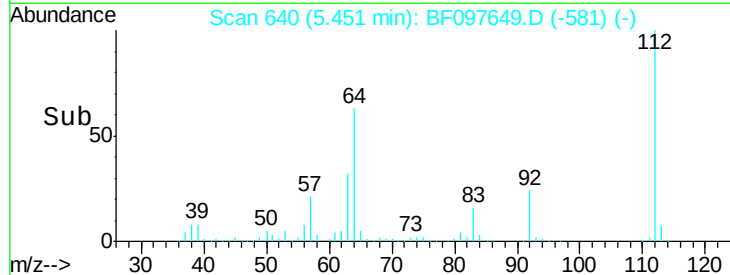
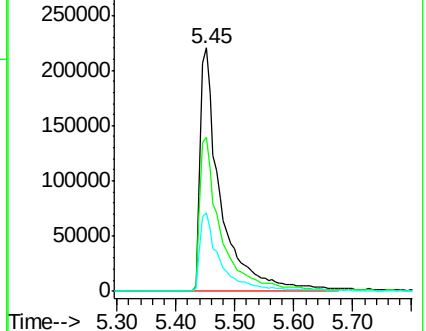
63 32.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 5.74 ng

RT: 7.02 min Scan# 907

Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

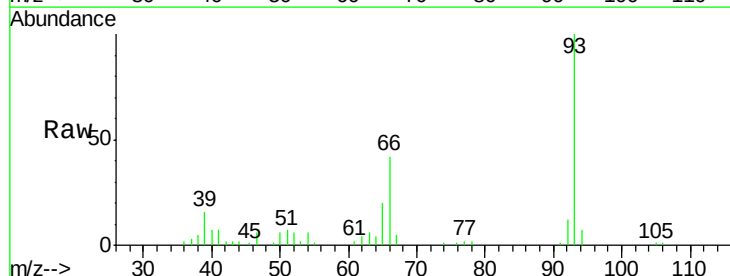
Tgt Ion: 93 Resp: 75726

Ion Ratio Lower Upper

93 100

66 42.0 32.9 49.3

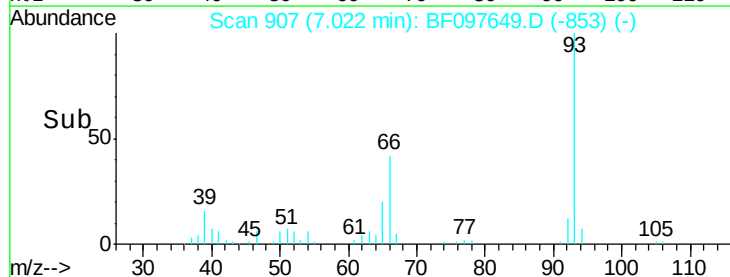
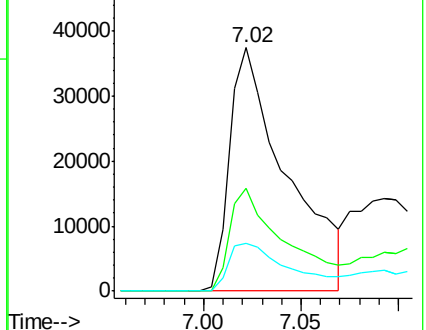
65 19.7 16.0 24.0

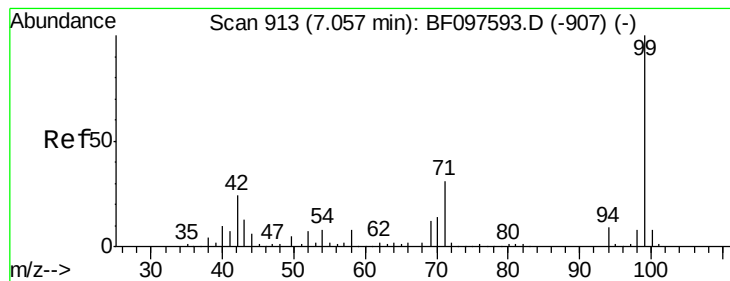


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 37.97 ng

RT: 7.12 min Scan# 923

Delta R.T. 0.06 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

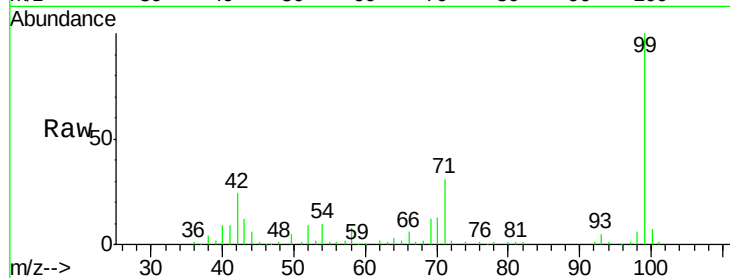
BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 348706

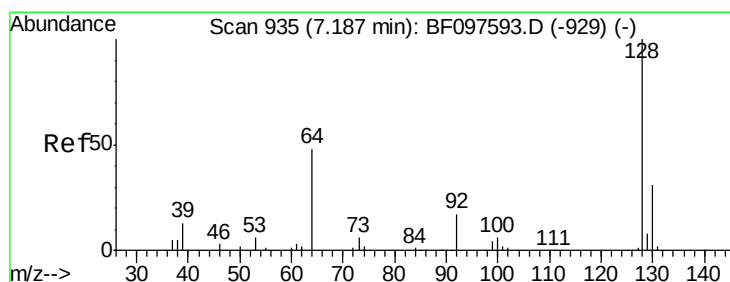
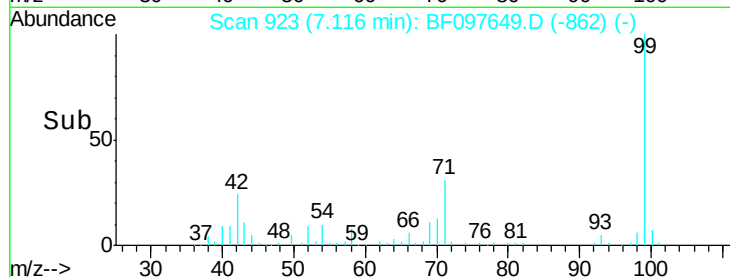
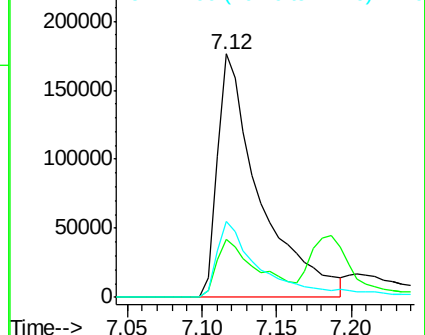
Ion	Ratio	Lower	Upper
99	100		
42	24.0	13.5	20.3#
71	31.0	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 35.29 ng

RT: 7.21 min Scan# 939

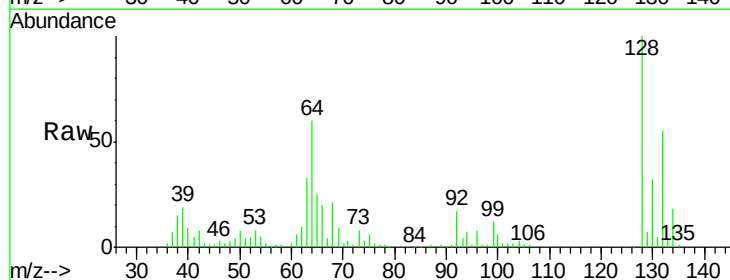
Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion: 128 Resp: 299439

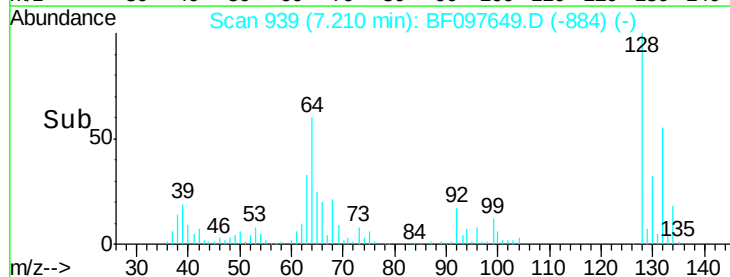
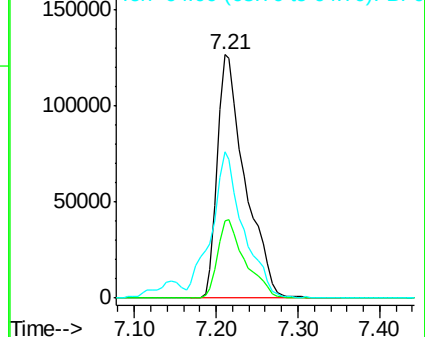
Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.9	52.9
64	60.2	28.4	68.4

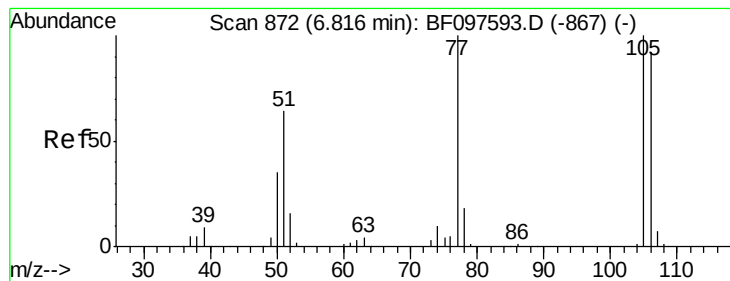


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 28.26 ng

RT: 6.82 min Scan# 872

Delta R.T. -0.00 min

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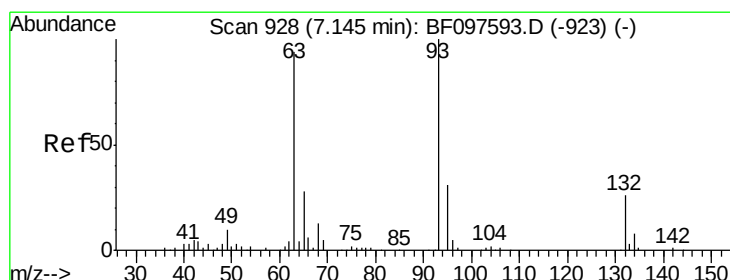
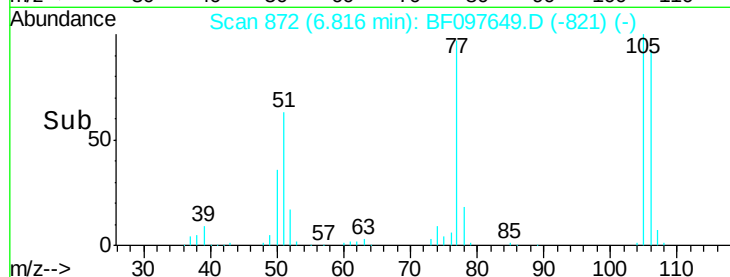
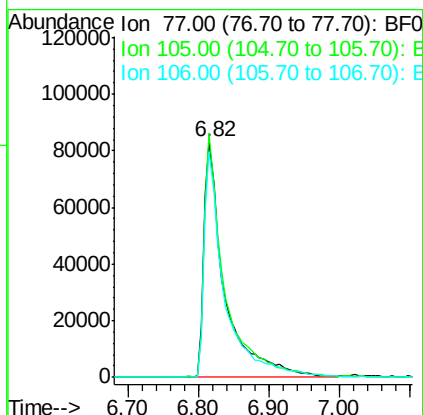
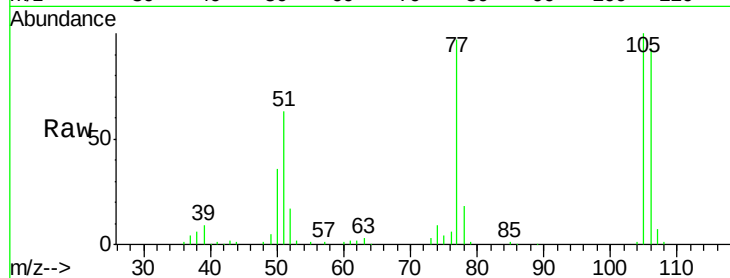
Tot Ion: 77 Resp: 171097

Ion Ratio Lower Upper

77 100

105 103.6 83.8 123.8

106 96.3 79.1 119.1



#11

bis(2-Chloroethyl)ether

Concen: 40.85 ng

RT: 7.15 min Scan# 929

Delta R.T. 0.01 min

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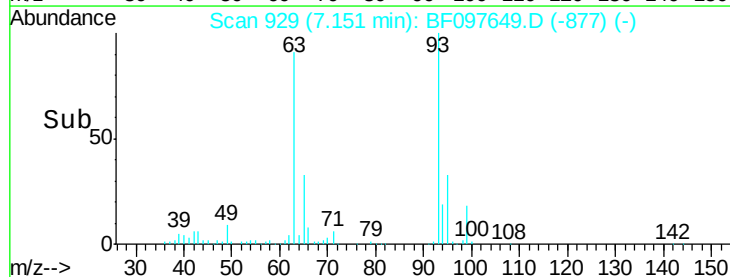
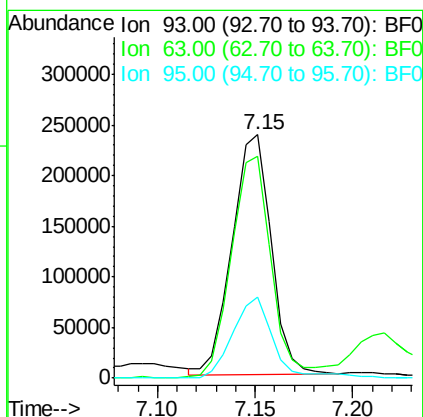
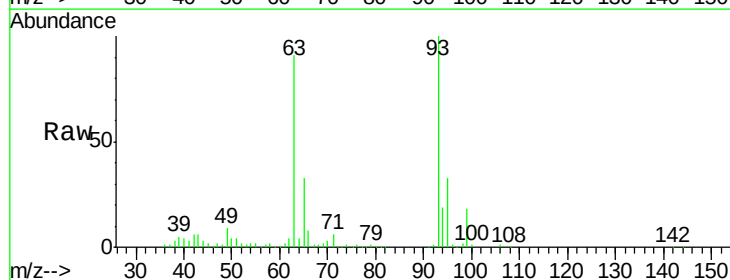
Tgt Ion: 93 Resp: 329471

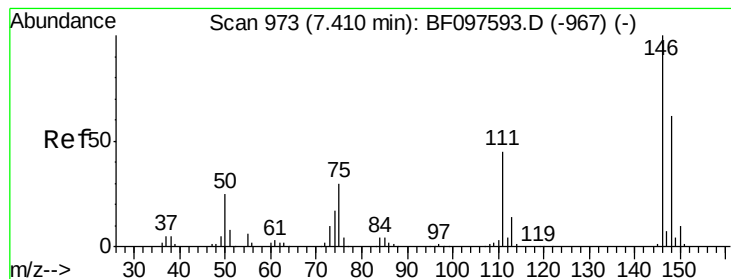
Ion Ratio Lower Upper

93 100

63 91.1 59.2 99.2

95 33.2 12.8 52.8





#12

1,3-Dichlorobenzene

Concen: 33.40 ng

RT: 7.40 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

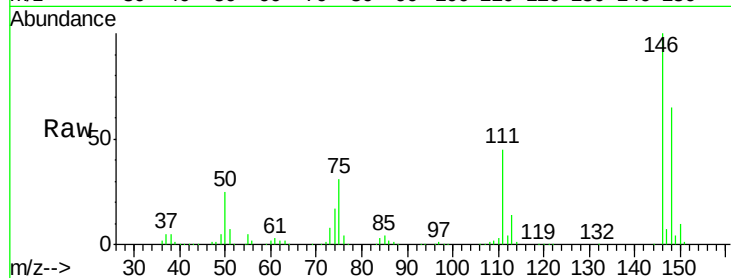
Tot Ion:146 Resp: 317399

Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.6

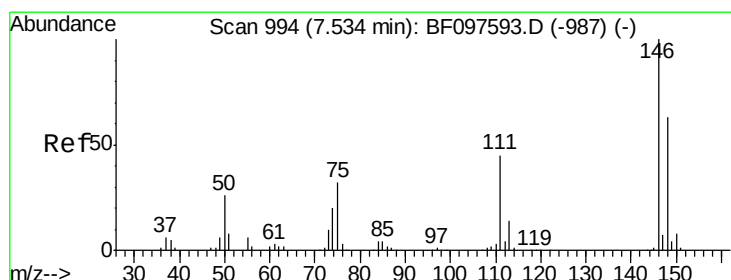
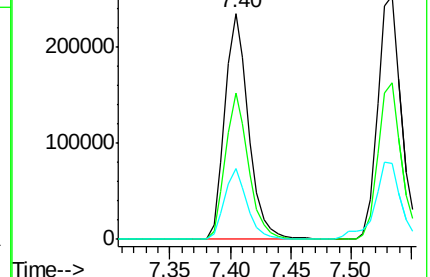
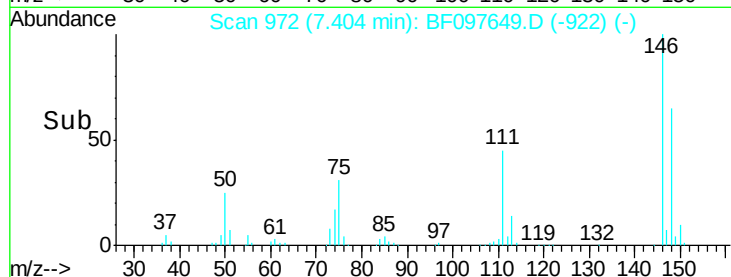
75 31.4 23.1 34.7



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 36.57 ng

RT: 7.53 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

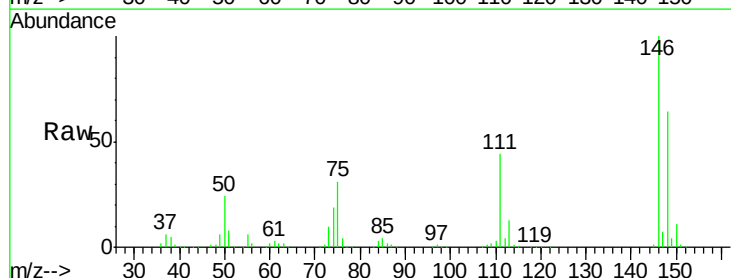
Tgt Ion:146 Resp: 353748

Ion Ratio Lower Upper

146 100

148 64.2 52.2 78.2

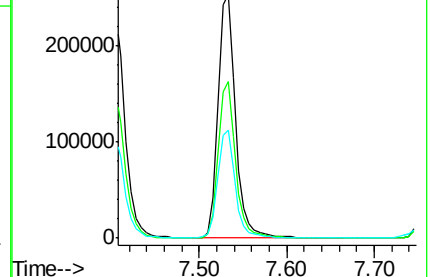
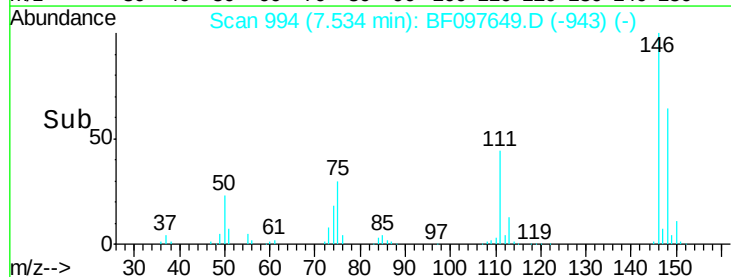
111 44.1 30.3 45.5

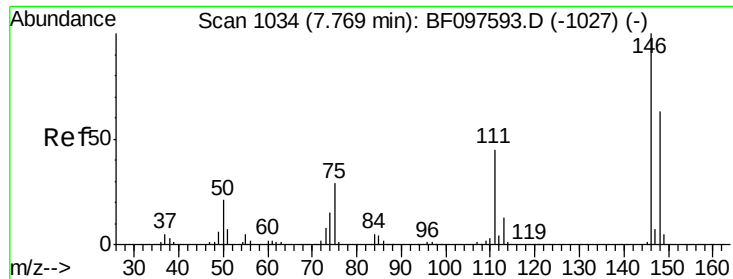


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

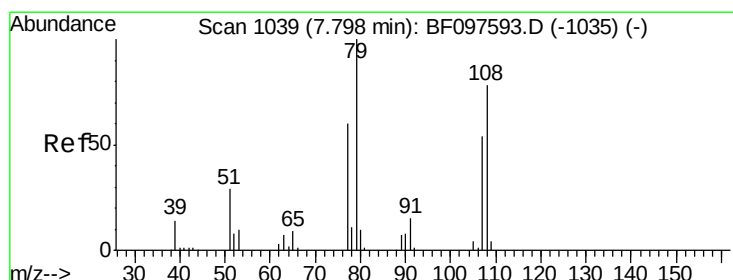
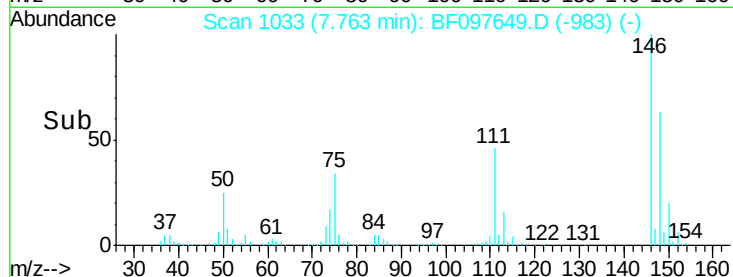
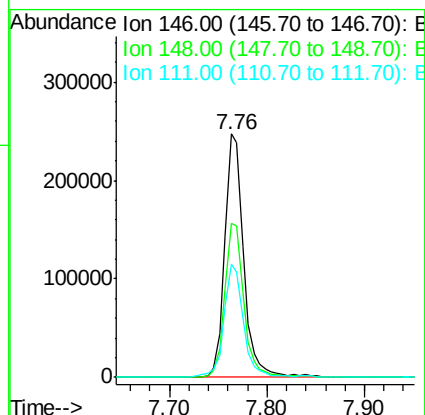
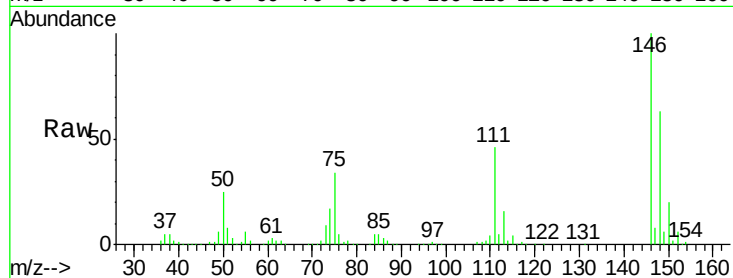




#14
 1,2-Dichlorobenzene
 Concen: 37.78 ng
 RT: 7.76 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

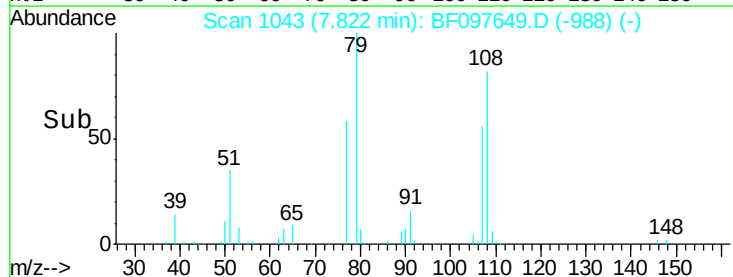
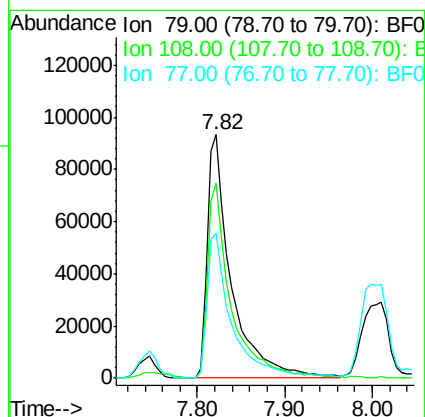
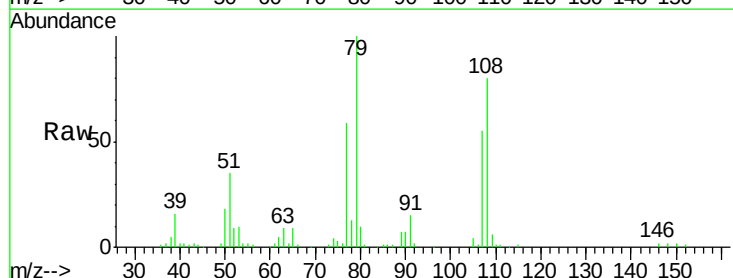
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

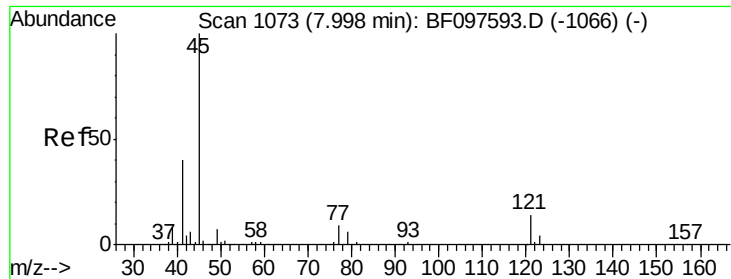
Tot Ion:146 Resp: 333518
 Ion Ratio Lower Upper
 146 100
 148 63.2 50.4 75.6
 111 46.5 38.2 57.4



#15
 Benzyl Alcohol
 Concen: 27.89 ng
 RT: 7.82 min Scan# 1043
 Delta R.T. 0.02 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion: 79 Resp: 176986
 Ion Ratio Lower Upper
 79 100
 108 80.1 63.4 95.0
 77 59.4 49.2 73.8

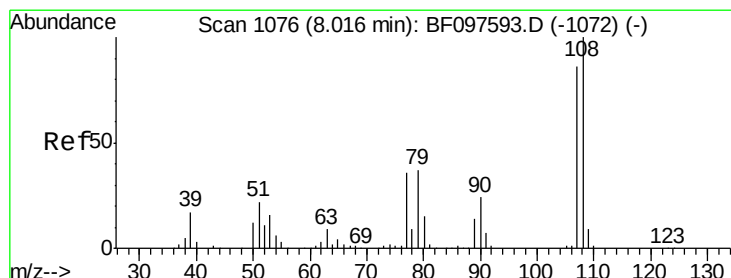
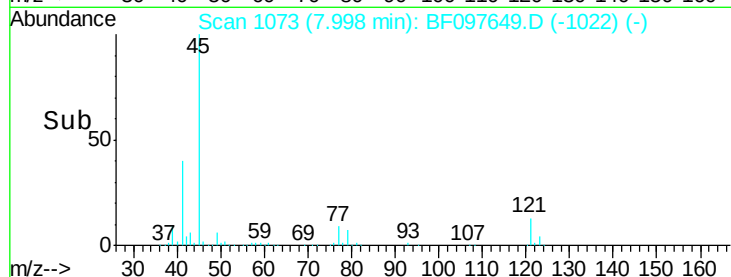
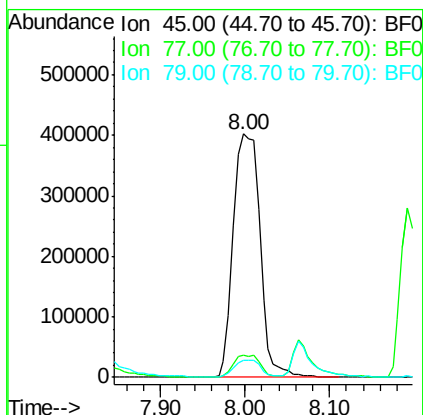
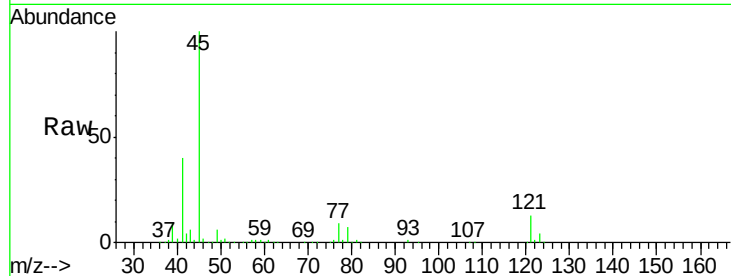




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 48.38 ng
RT: 8.00 min Scan# 1073
Delta R.T. 0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

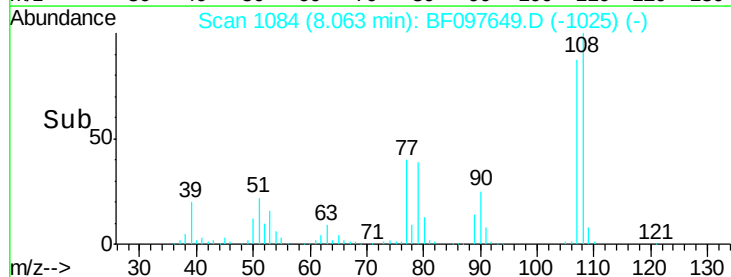
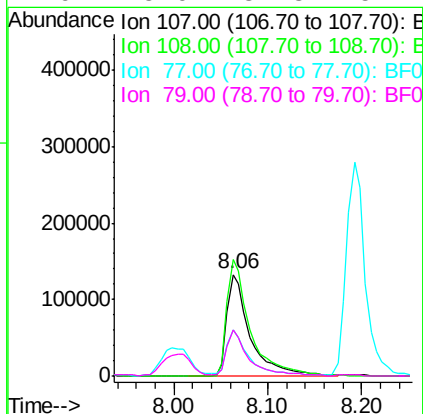
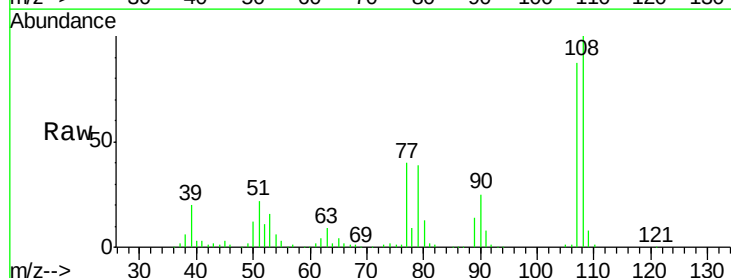
Instrument :
BNA_F
ClientSampled :
VE-4-11MSD

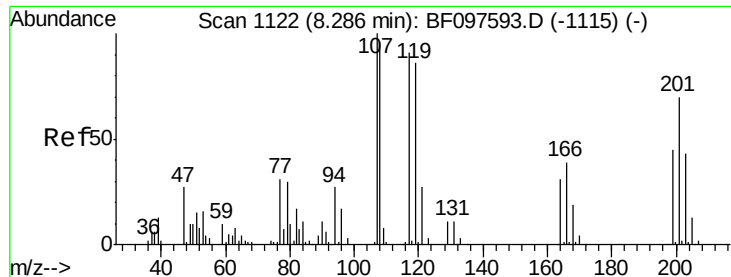
Tot Ion: 45 Resp: 876019
Ion Ratio Lower Upper
45 100
77 9.0 0.0 33.2
79 6.9 0.0 30.0



#17
2-Methylphenol
Concen: 34.63 ng
RT: 8.06 min Scan# 1084
Delta R.T. 0.05 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion: 107 Resp: 227741
Ion Ratio Lower Upper
107 100
108 114.9 93.4 140.0
77 46.0 35.8 53.6
79 45.0 34.8 52.2

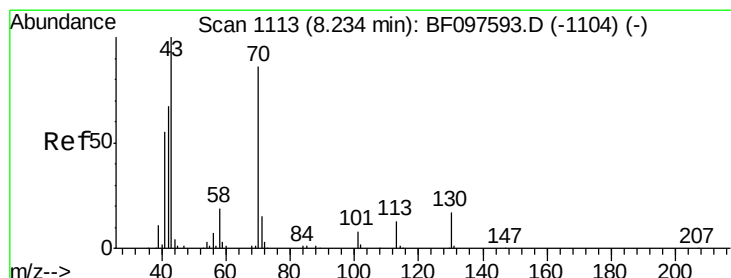
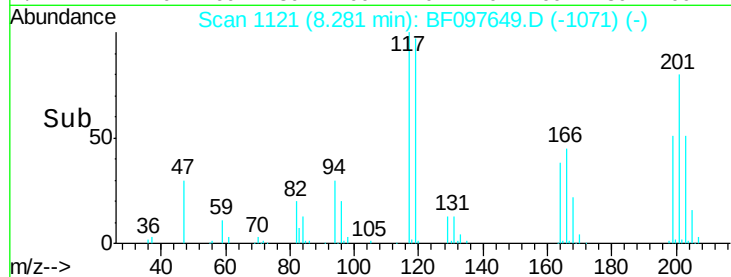
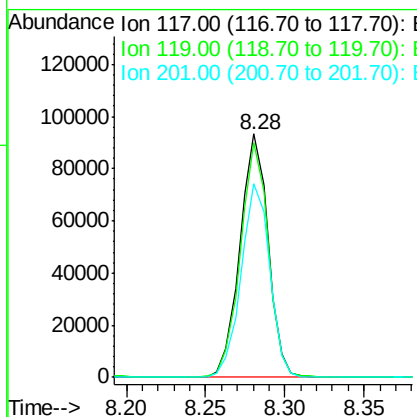
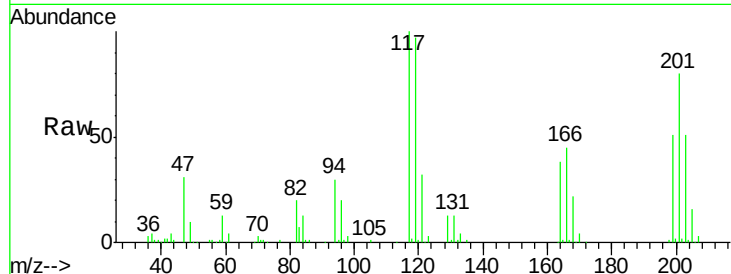




#18
Hexachloroethane
Concen: 34.81 ng
RT: 8.28 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

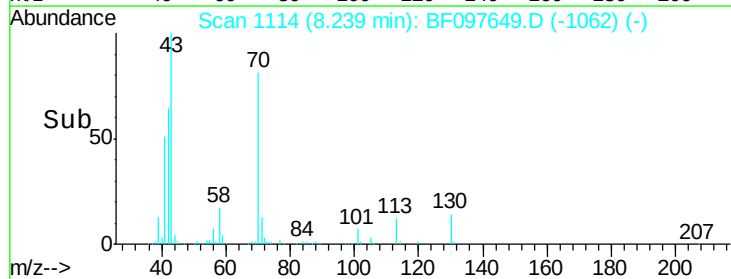
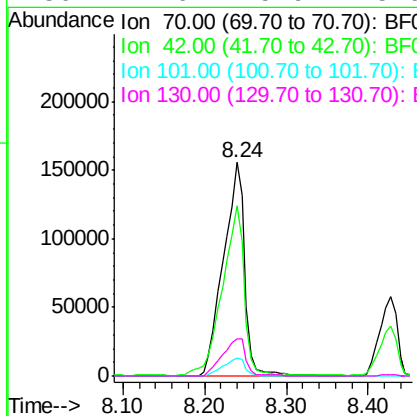
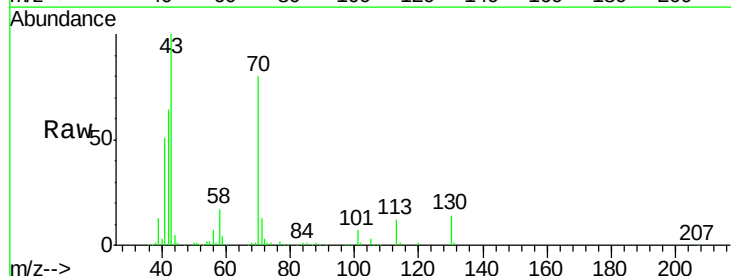
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

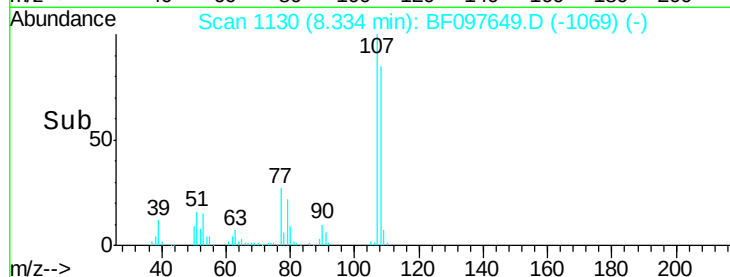
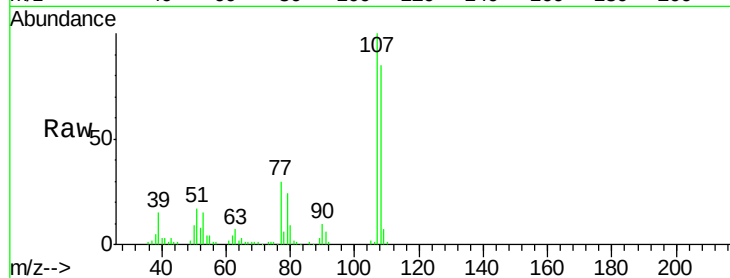
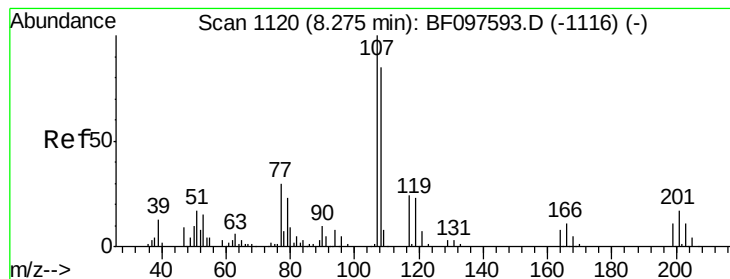
Tot Ion: 117 Resp: 115198
Ion Ratio Lower Upper
117 100
119 96.6 77.4 116.0
201 79.7 94.6 141.8#



#19
n-Nitroso-di-n-propylamine
Concen: 44.23 ng
RT: 8.24 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion: 70 Resp: 282500
Ion Ratio Lower Upper
70 100
42 79.7 47.2 70.8#
101 8.7 7.2 10.8
130 17.6 15.9 23.9





#20

3+4-Methylphenols

Concen: 29.61 ng

RT: 8.33 min Scan# 1130

Delta R.T. 0.06 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

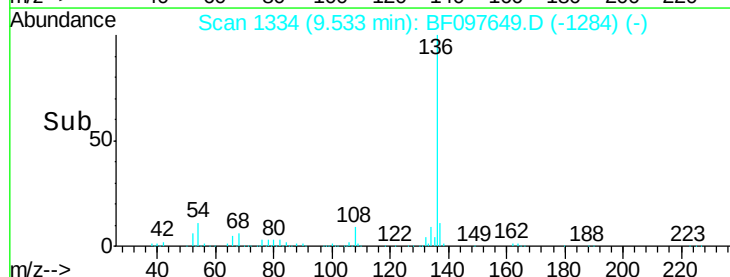
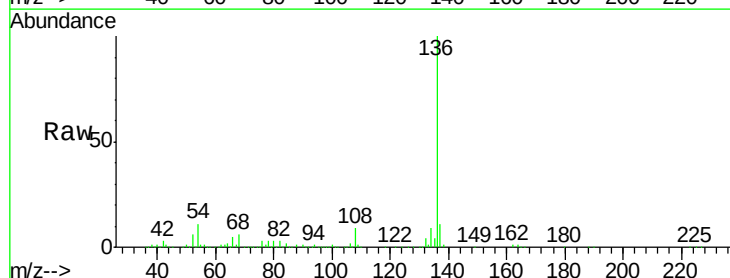
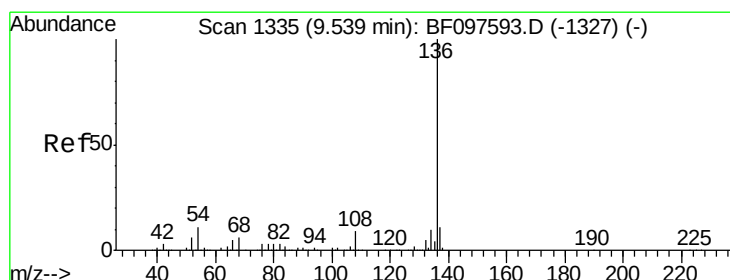
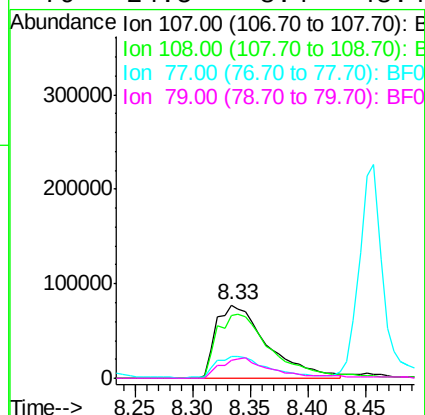
Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion:	107	Resp:	238507
Ion Ratio	Lower	Upper	
107	100		
108	85.2	71.0	111.0
77	29.7	90.5	130.5#
79	24.5	8.4	48.4



#21

Naphthalene-d8

Concen: 20.00 ng

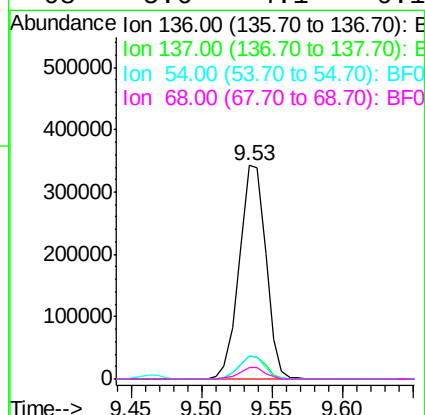
RT: 9.53 min Scan# 1334

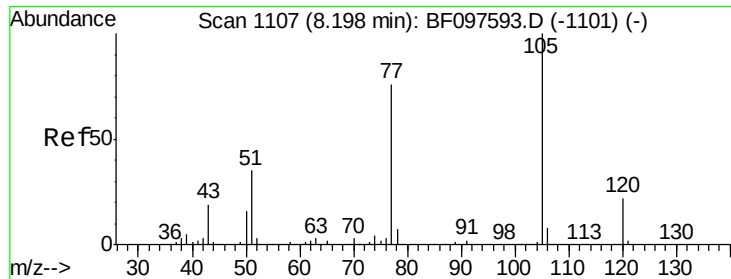
Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	136	Resp:	451928
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	10.9	4.9	7.3#
68	5.6	4.1	6.1





#22

Acetophenone

Concen: 47.59 ng

RT: 8.19 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion:105 Resp: 508053

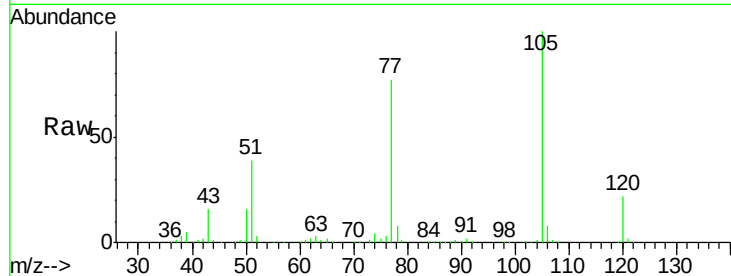
Ion Ratio Lower Upper

105 100

71 0.1 2.8 4.2#

51 38.9 30.7 46.1

120 21.9 17.4 26.0

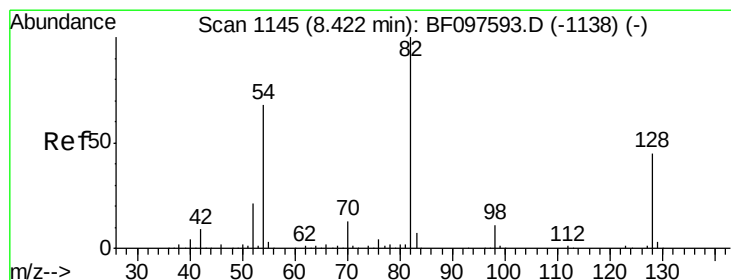
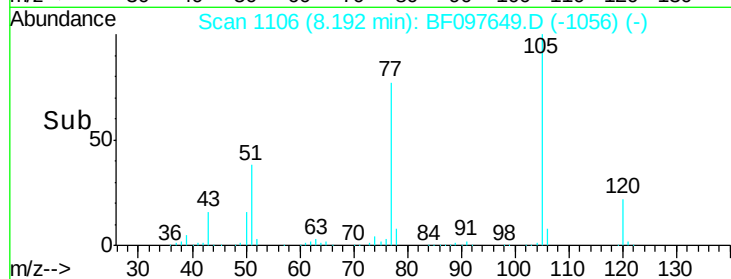
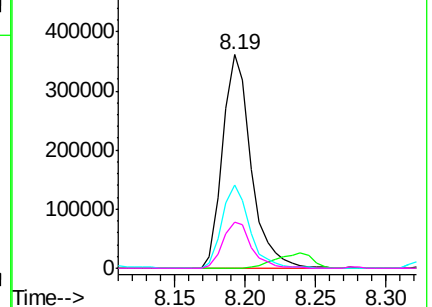


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 88.11 ng

RT: 8.43 min Scan# 1146

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

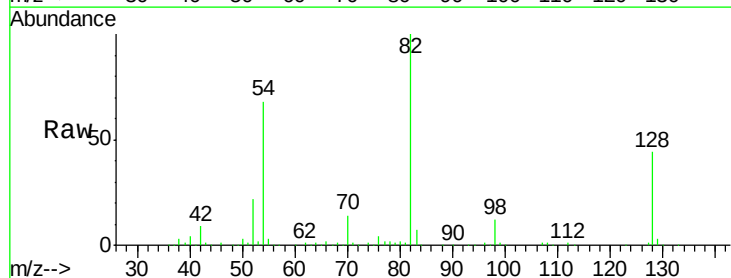
Tgt Ion: 82 Resp: 635060

Ion Ratio Lower Upper

82 100

128 43.6 34.0 51.0

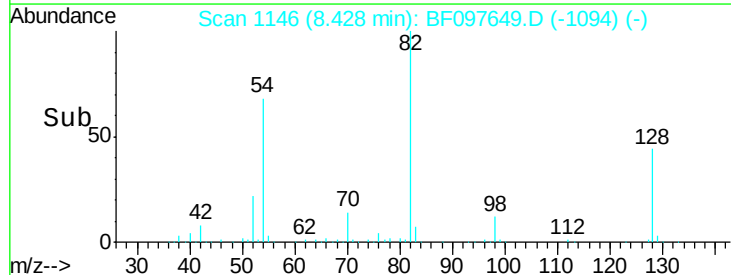
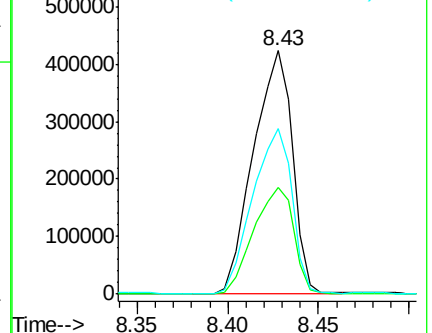
54 67.8 42.2 63.2#

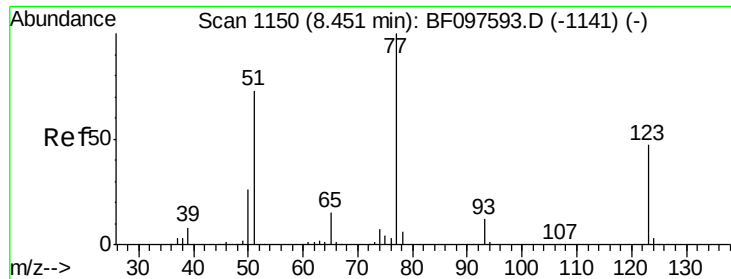


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

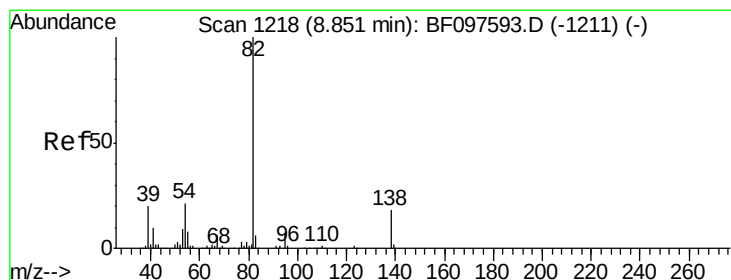
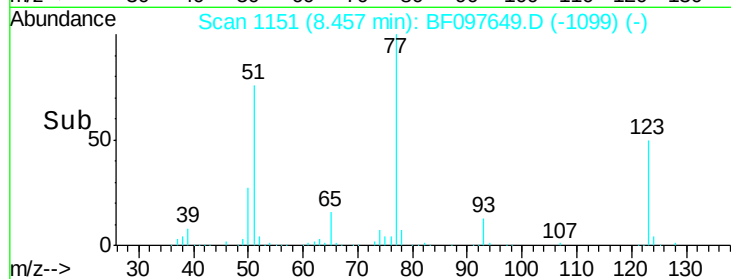
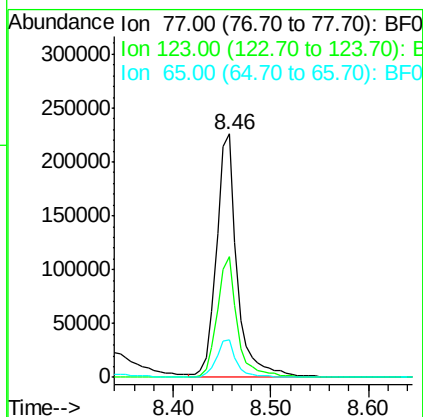
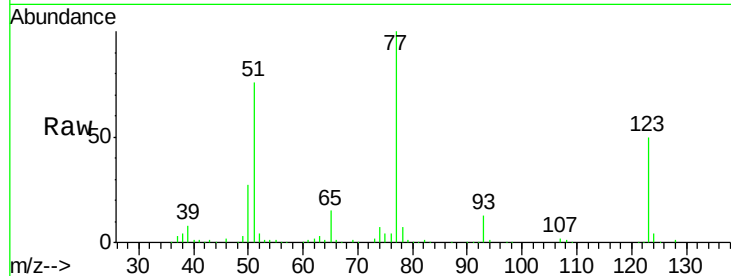




#24
 Nitrobenzene
 Concen: 41.97 ng
 RT: 8.46 min Scan# 1151
 Delta R.T. 0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

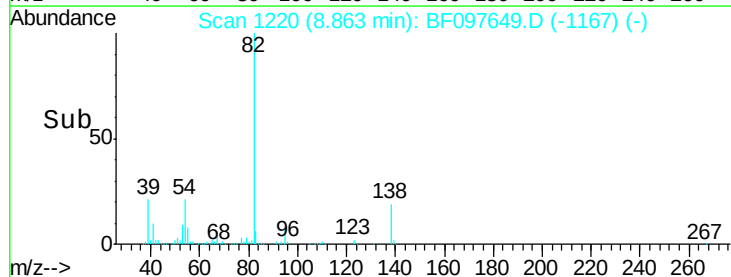
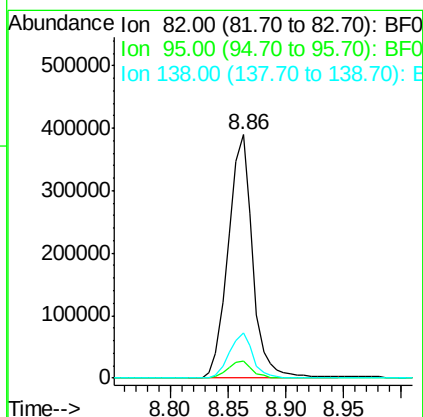
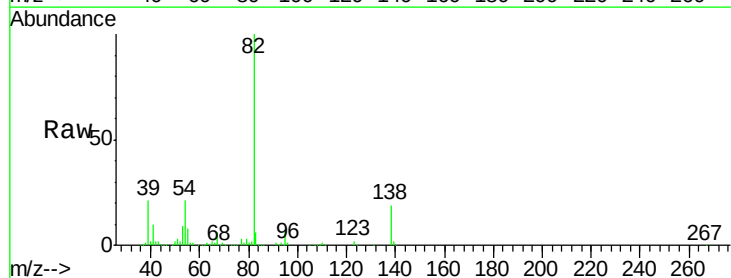
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

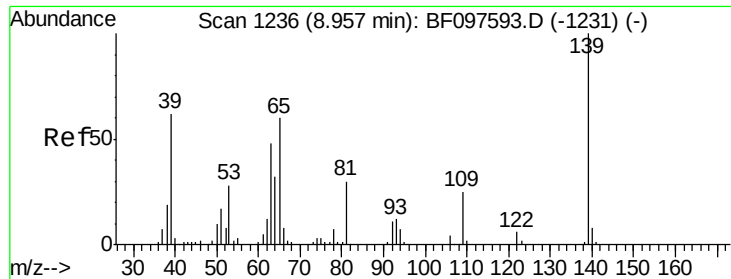
Tot Ion	77	Resp	329610
Ion Ratio	Lower	Upper	
77	100		
123	49.8	35.8	53.8
65	15.5	10.6	15.8



#25
 Isophorone
 Concen: 43.07 ng
 RT: 8.86 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion	82	Resp	571782
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.3	7.9
138	18.6	13.1	19.7

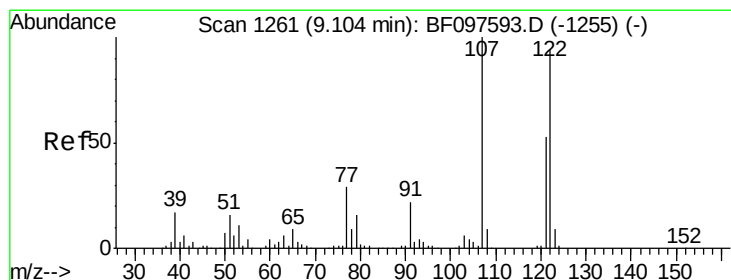
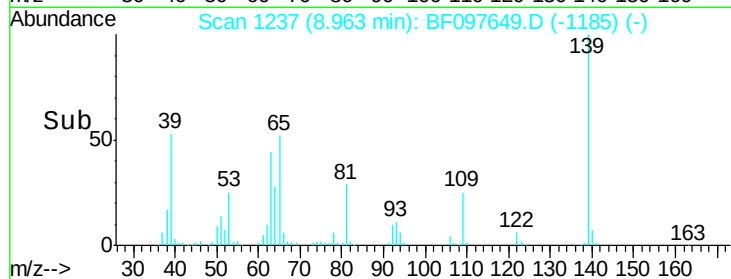
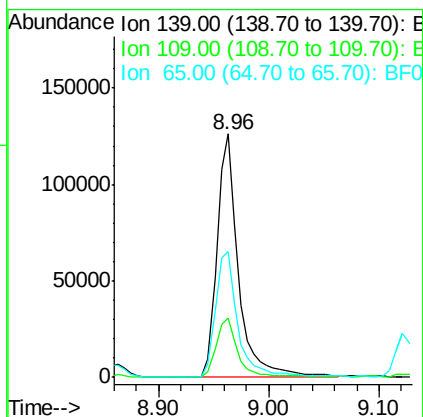
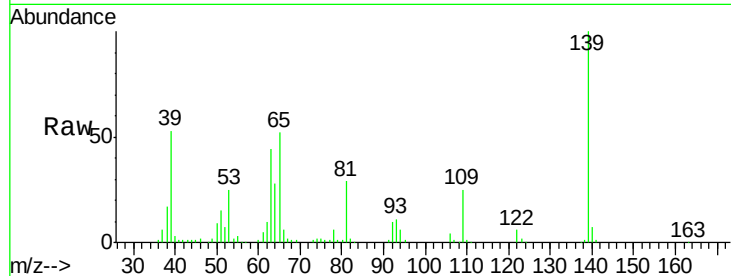




#26
2-Nitrophenol
Concen: 42.92 ng
RT: 8.96 min Scan# 1237
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

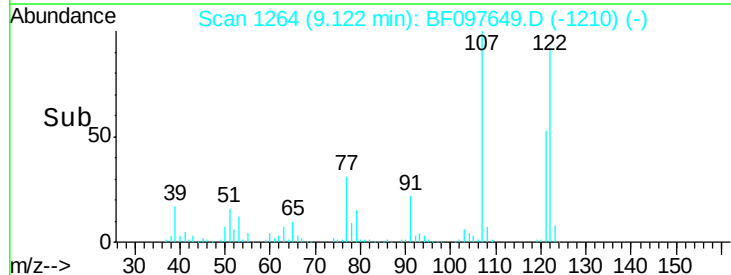
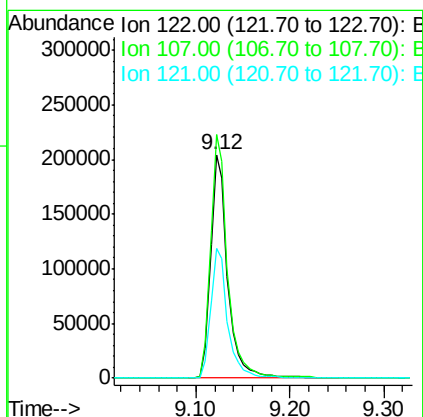
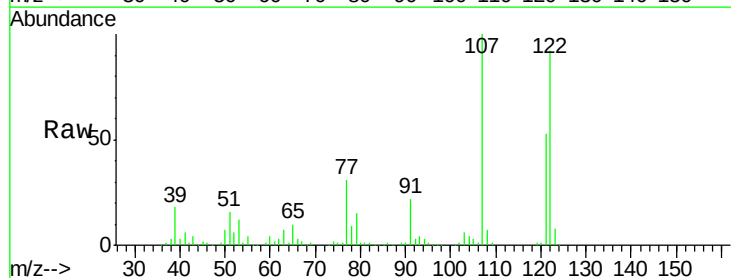
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

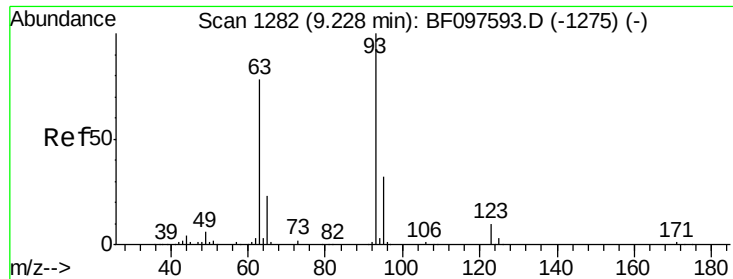
Tot Ion	Ratio	Lower	Upper
139	100		
109	24.6	21.0	31.6
65	51.7	33.0	49.6



#27
2,4-Dimethylphenol
Concen: 39.48 ng
RT: 9.12 min Scan# 1264
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
122	100		
107	109.0	89.2	133.8
121	58.3	45.2	67.8

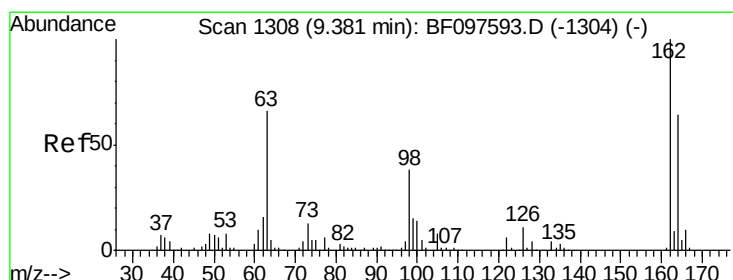
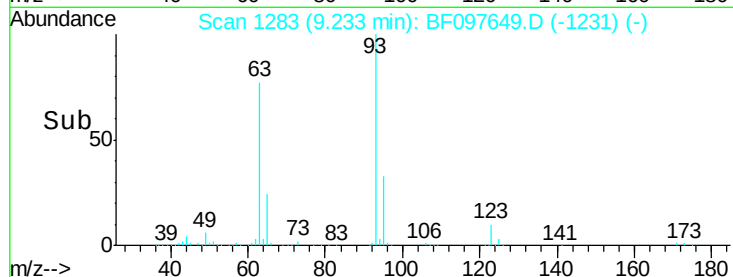
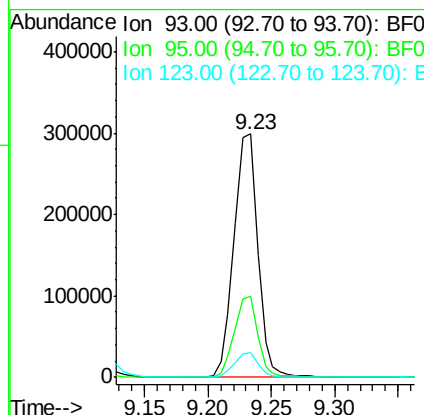
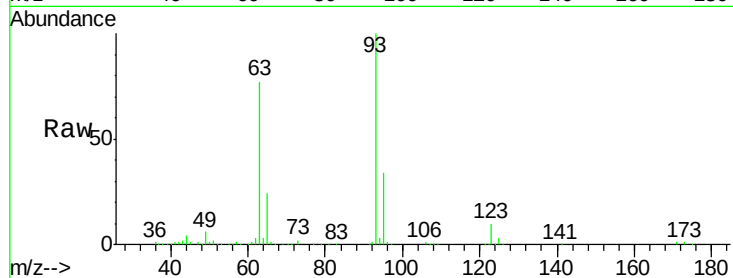




#28
bis(2-Chloroethoxy)methane
Concen: 40.76 ng
RT: 9.23 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

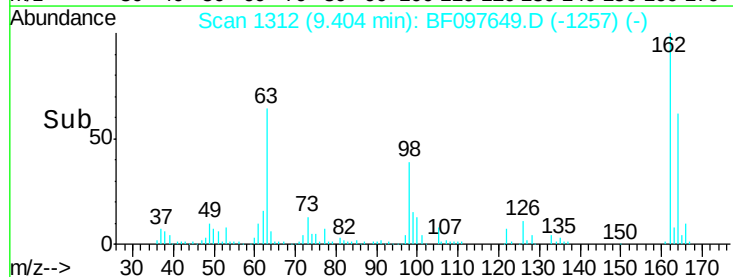
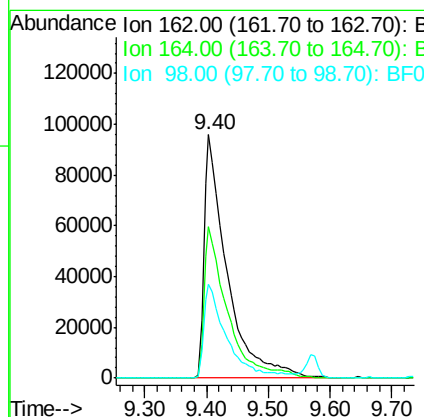
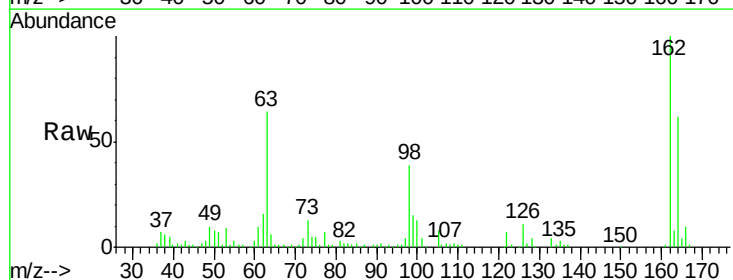
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

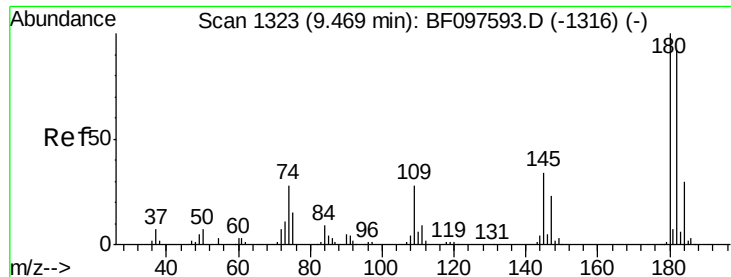
Tot Ion	93	Resp	390987
Ion Ratio	Lower	Upper	
93	100		
95	33.5	26.5	39.7
123	10.4	9.0	13.4



#29
2,4-Dichlorophenol
Concen: 42.26 ng
RT: 9.40 min Scan# 1312
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	162	Resp	246866
Ion Ratio	Lower	Upper	
162	100		
164	62.1	44.6	84.6
98	38.8	14.8	54.8

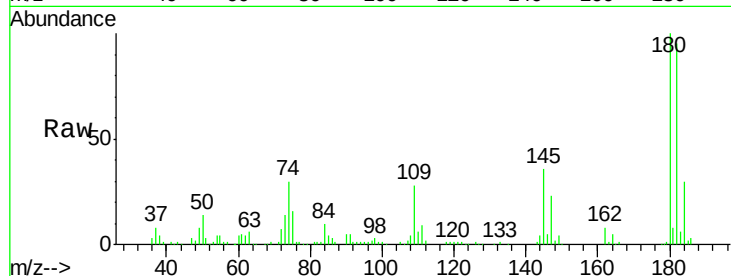




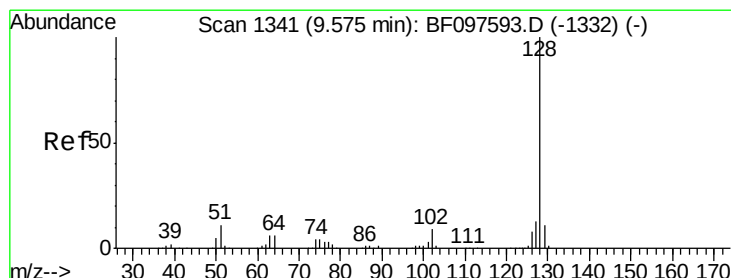
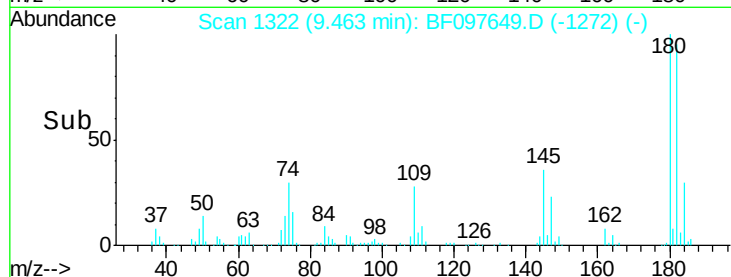
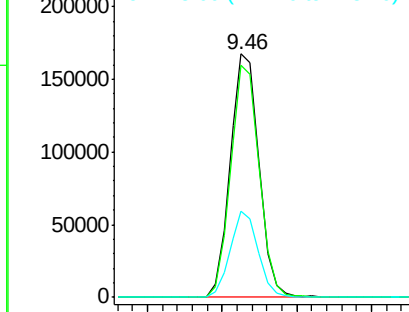
#30
 1,2,4-Trichlorobenzene
 Concen: 39.07 ng
 RT: 9.46 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion:180 Resp: 226278
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.8 113.6
 145 35.6 25.3 37.9

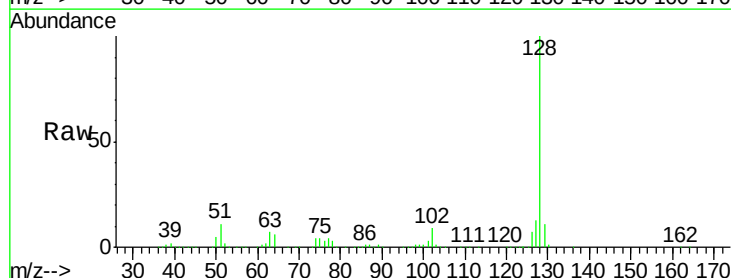


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

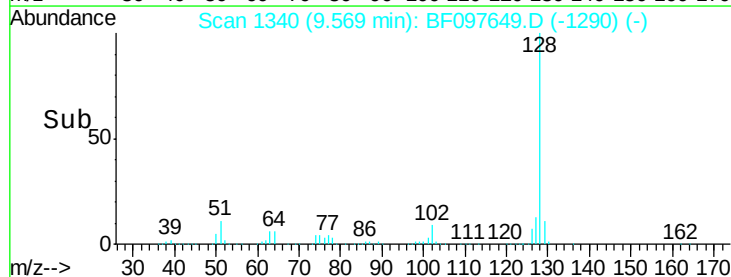
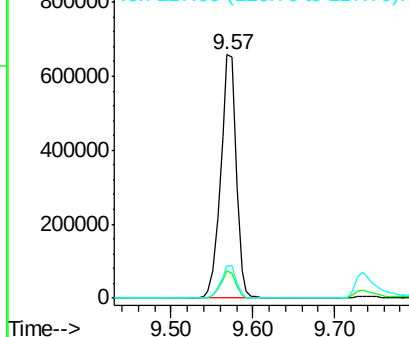


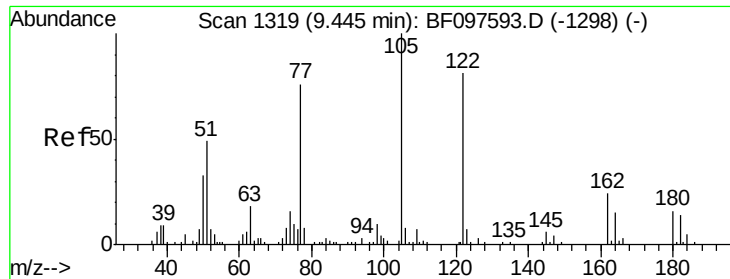
#31
 Naphthalene
 Concen: 38.61 ng
 RT: 9.57 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion:128 Resp: 874016
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.0 13.6
 127 13.1 10.8 16.2



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

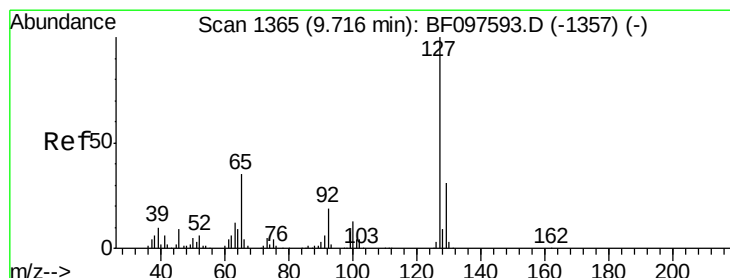
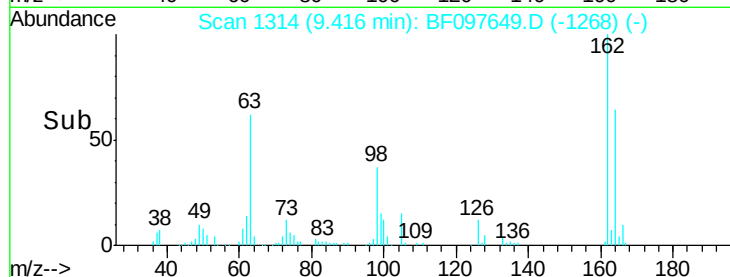
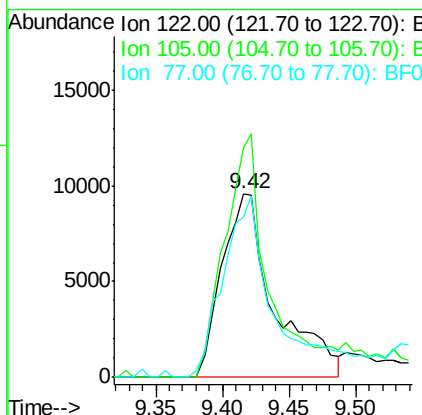
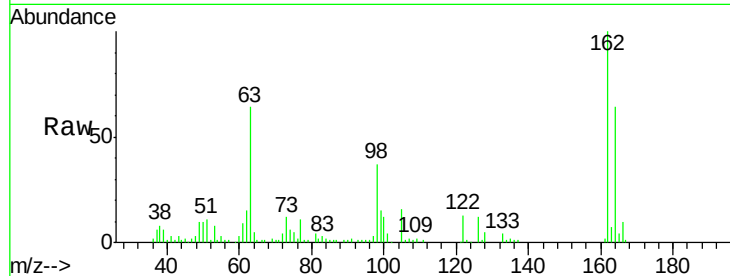




#32
Benzoic acid
Concen: 7.37 ng
RT: 9.42 min Scan# 1314
Delta R.T. -0.03 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

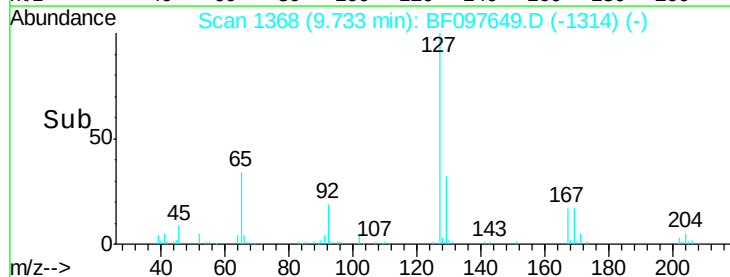
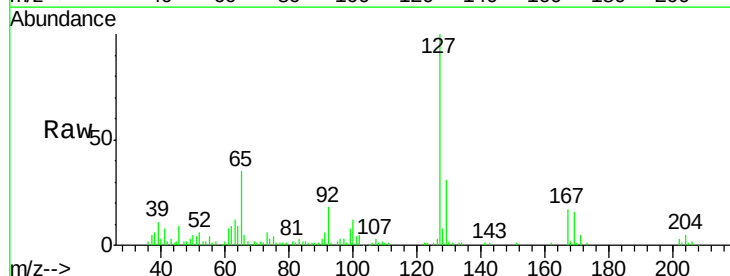
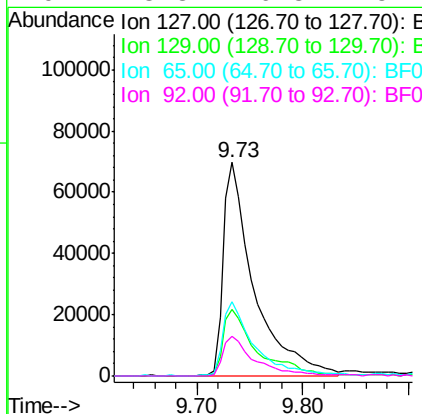
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

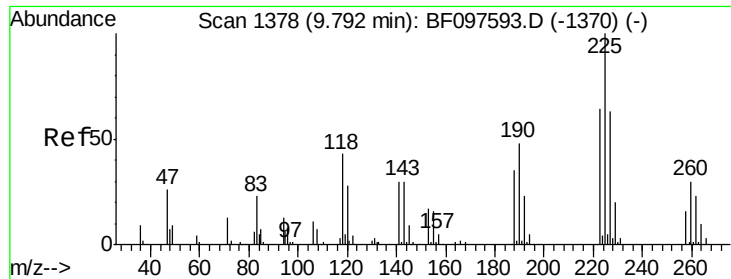
Tot Ion:122 Resp: 26296
Ion Ratio Lower Upper
122 100
105 125.1 103.3 143.3
77 87.5 73.7 113.7



#33
4-Chloroaniline
Concen: 15.13 ng
RT: 9.73 min Scan# 1368
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:127 Resp: 141928
Ion Ratio Lower Upper
127 100
129 31.3 26.2 39.2
65 34.6 27.8 41.8
92 18.3 16.8 25.2





#34

Hexachlorobutadiene

Concen: 36.32 ng

RT: 9.79 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

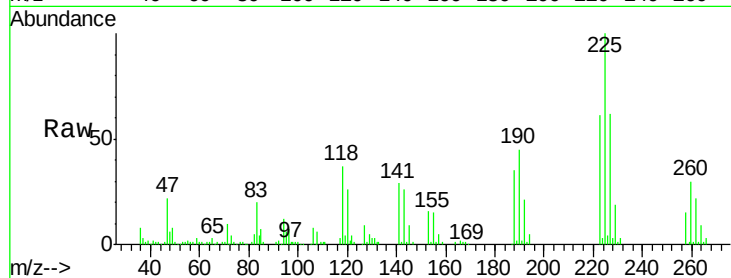
Tot Ion:225 Resp: 114909

Ion Ratio Lower Upper

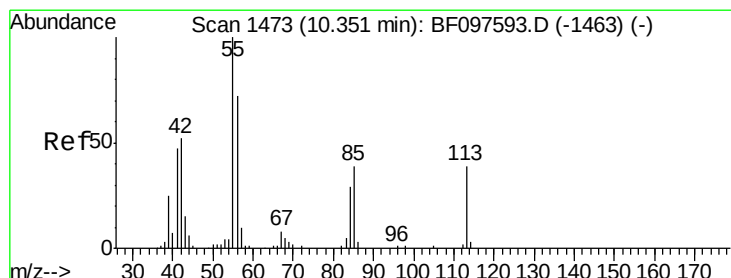
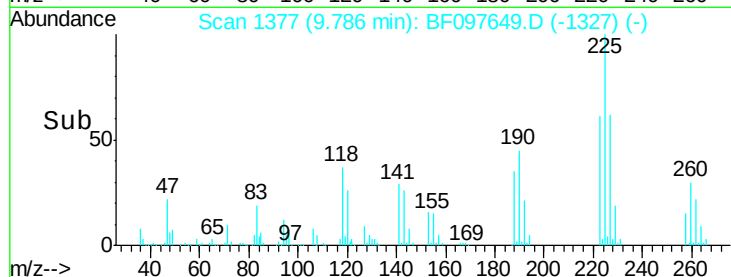
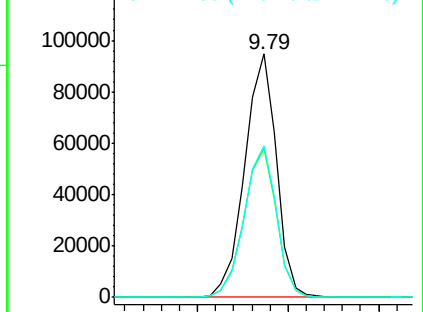
225 100

223 61.4 48.8 73.2

227 62.3 51.1 76.7



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 5.14 ng

RT: 10.42 min Scan# 1485

Delta R.T. 0.07 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

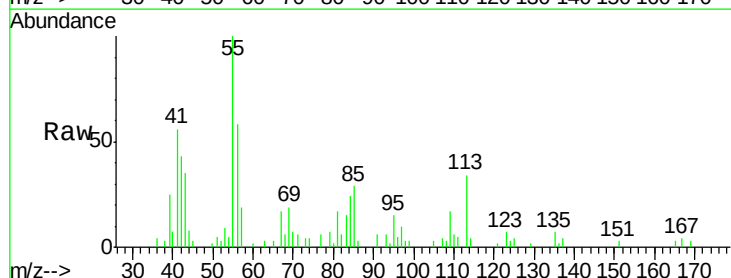
Tgt Ion:113 Resp: 9677

Ion Ratio Lower Upper

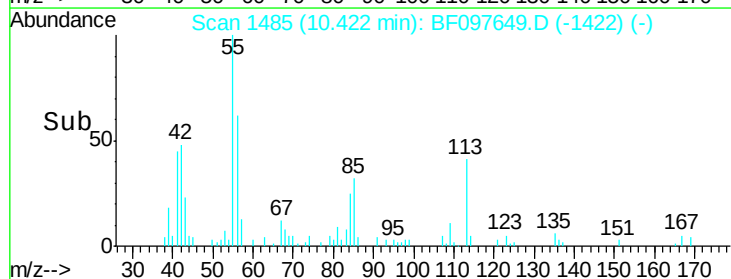
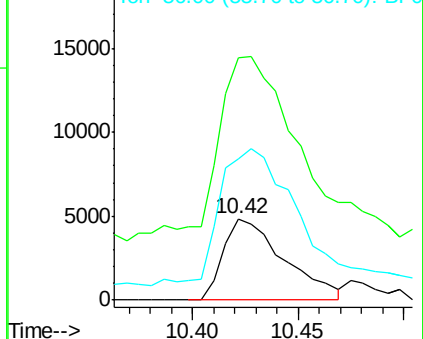
113 100

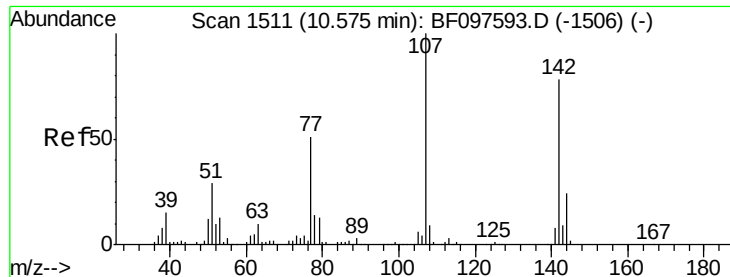
55 298.5 150.2 190.2#

56 174.1 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

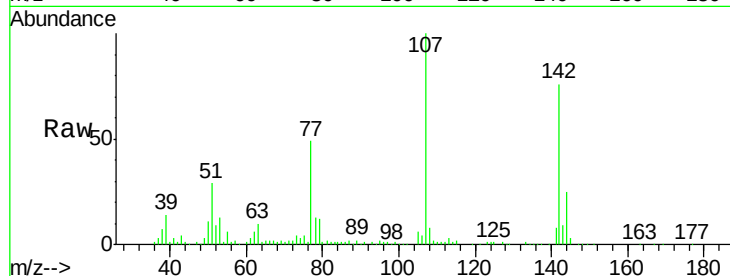




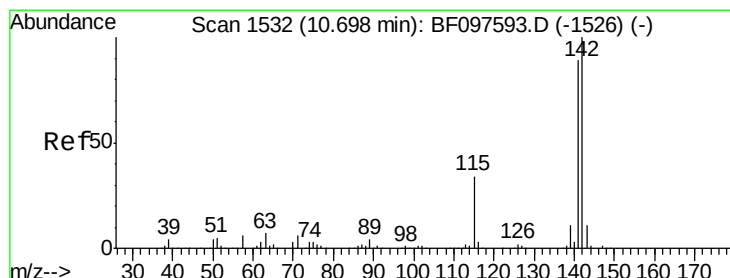
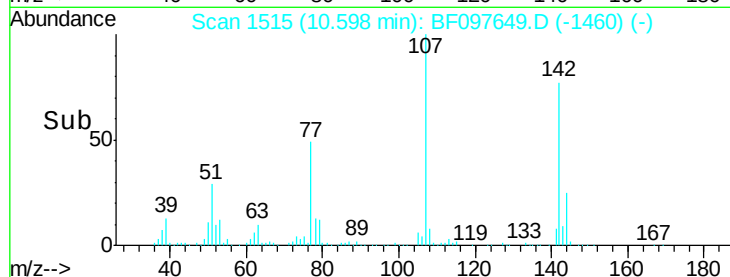
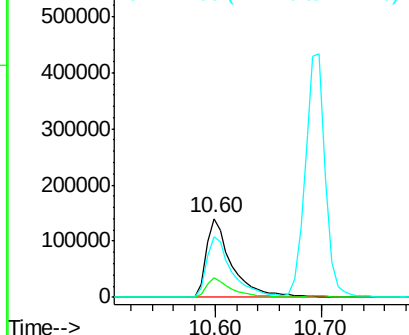
#36
4-Chloro-3-methylphenol
Concen: 35.21 ng
RT: 10.60 min Scan# 1515
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:107 Resp: 231112
Ion Ratio Lower Upper
107 100
144 24.8 24.2 36.4
142 76.4 73.4 110.0

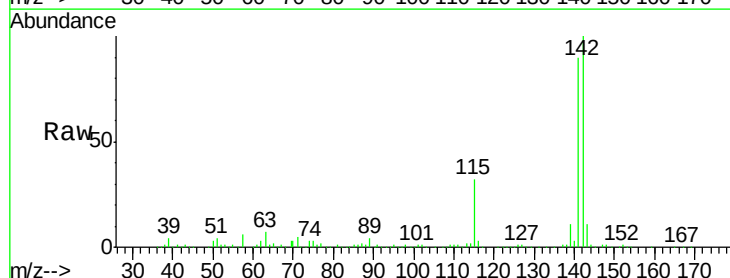


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

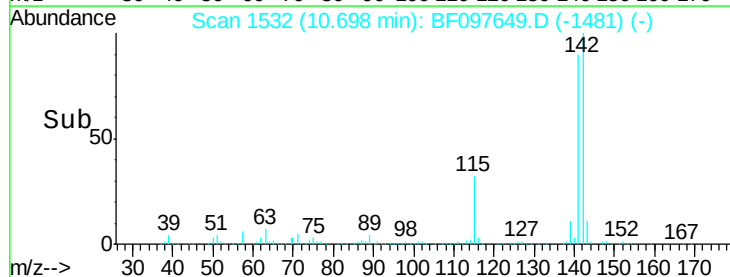
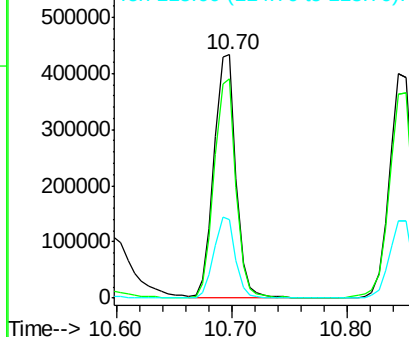


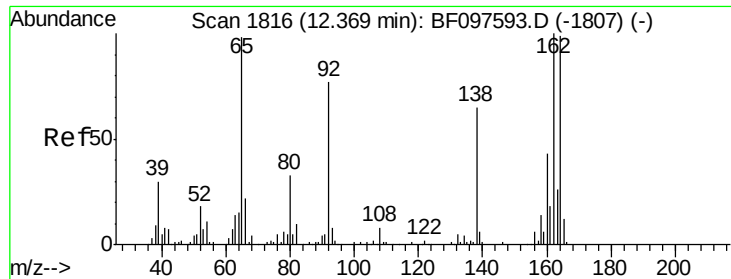
#37
2-Methylnaphthalene
Concen: 40.42 ng
RT: 10.70 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:142 Resp: 575757
Ion Ratio Lower Upper
142 100
141 90.2 71.3 106.9
115 32.3 27.1 40.7



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: 12.36 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

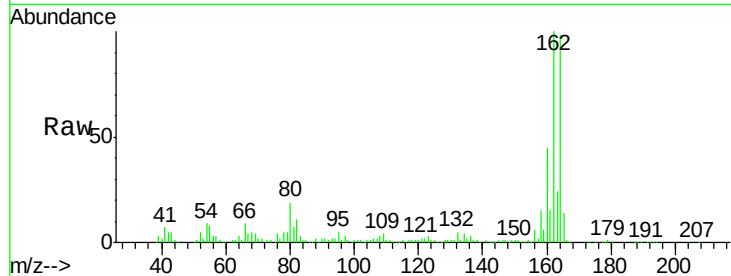
Tot Ion:164 Resp: 176106

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

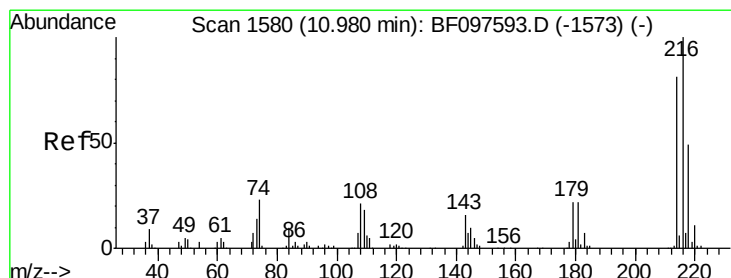
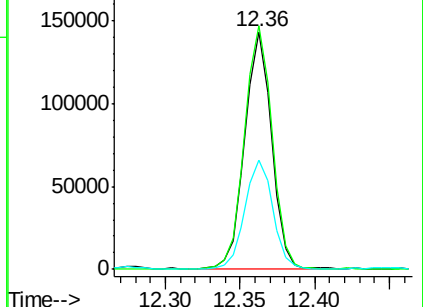
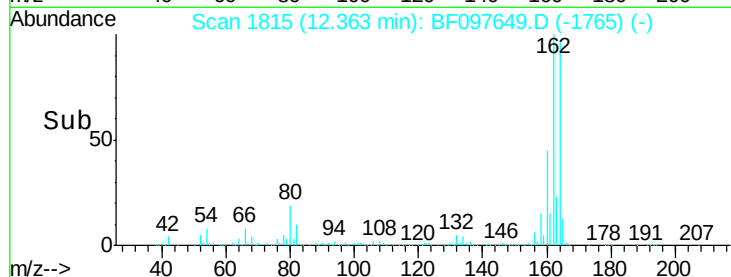
160 46.1 36.2 54.2



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: 41.94 ng

RT: 10.97 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:216 Resp: 209139

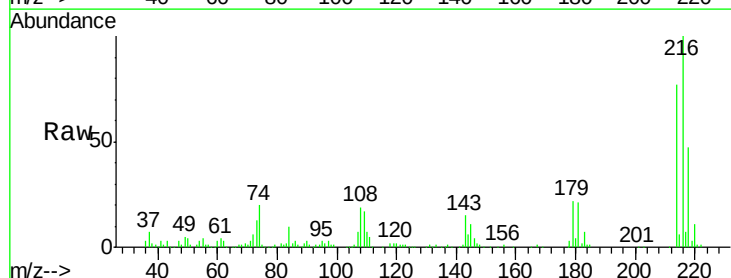
Ion Ratio Lower Upper

216 100

214 78.7 63.4 95.2

179 23.5 17.9 26.9

108 20.1 16.5 24.7

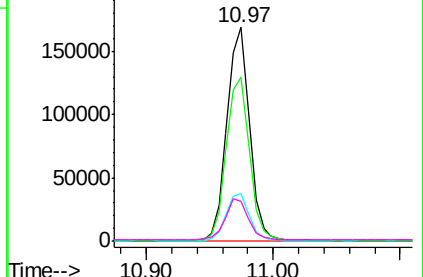
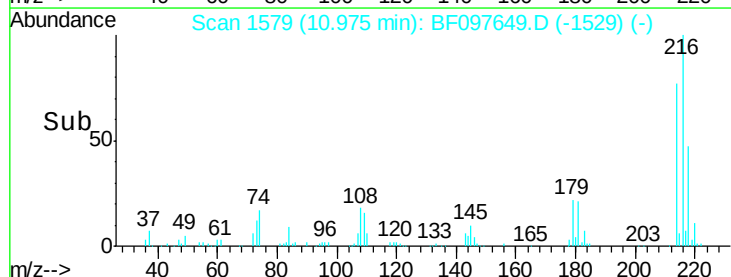


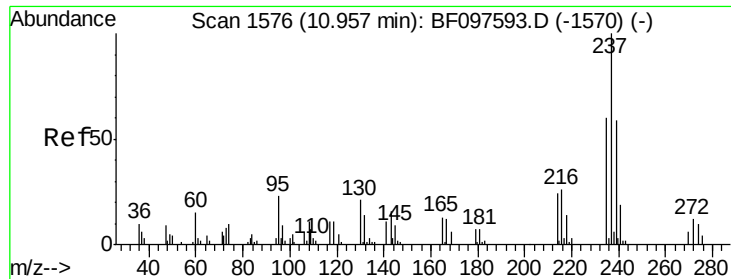
Abundance Ion 216.00 (215.70 to 216.70): E

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

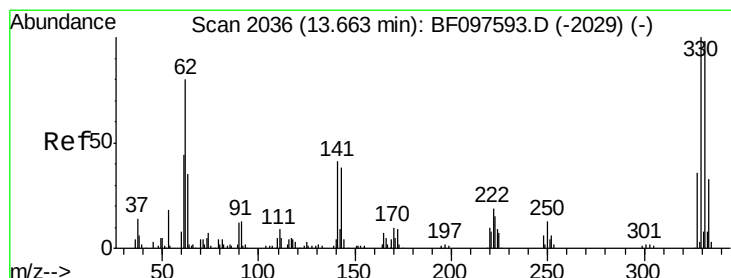
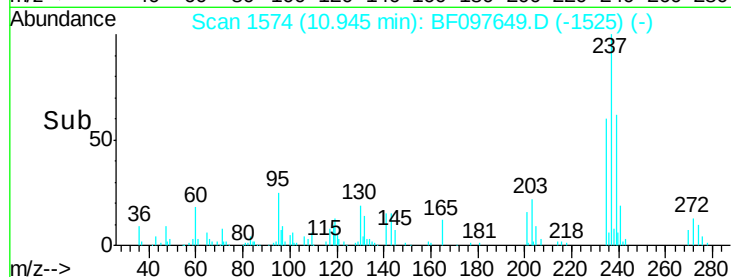
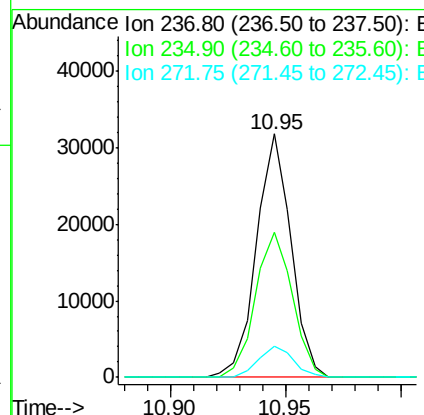
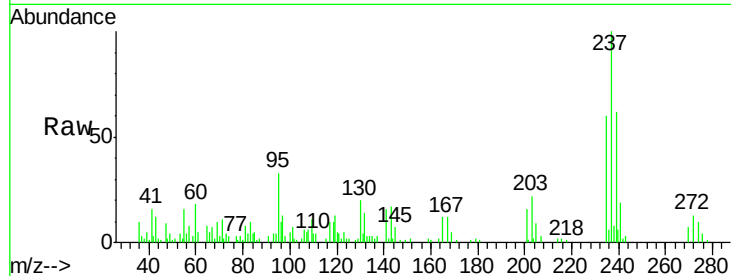




#40
Hexachlorocyclopentadiene
Concen: 45.38 ng
RT: 10.95 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

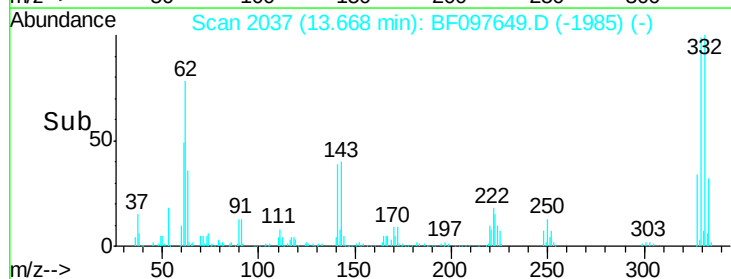
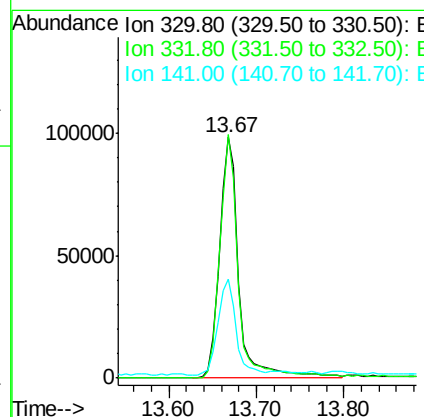
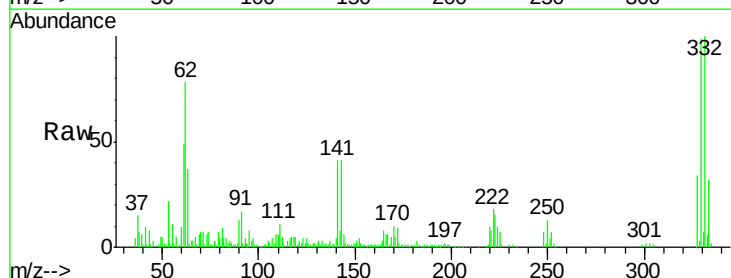
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

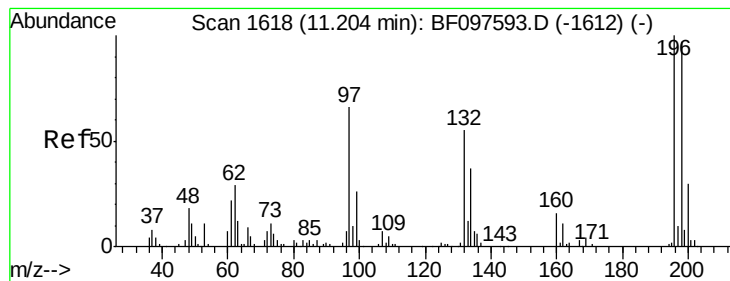
Tot Ion:237 Resp: 33256
Ion Ratio Lower Upper
237 100
235 59.7 42.6 82.6
272 12.6 0.0 31.9



#41
2,4,6-Tribromophenol
Concen: 113.09 ng
RT: 13.67 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:330 Resp: 151401
Ion Ratio Lower Upper
330 100
332 96.8 76.6 115.0
141 37.8 31.4 47.2





#42

2,4,6-Trichlorophenol

Concen: 39.43 ng

RT: 11.21 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

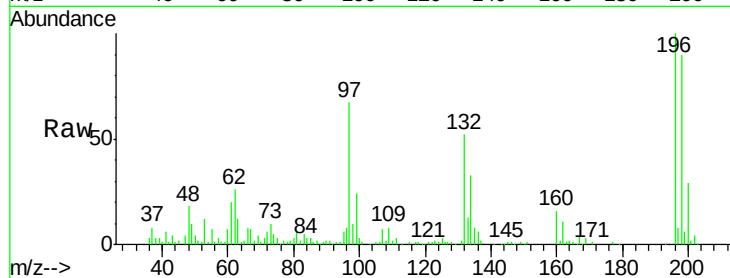
Tot Ion:196 Resp: 129543

Ion Ratio Lower Upper

196 100

198 89.8 74.2 111.4

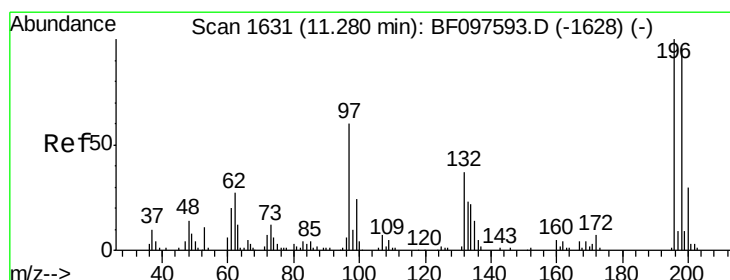
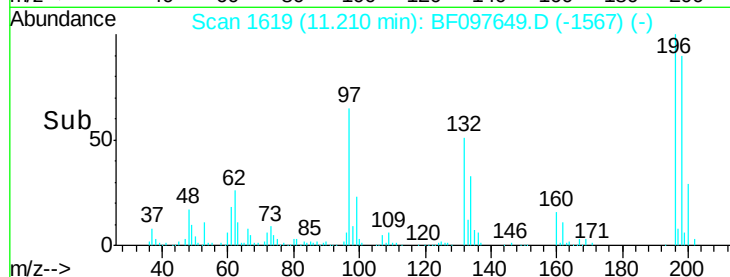
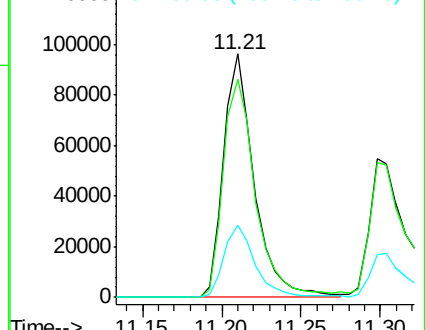
200 29.4 24.0 36.0



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 35.90 ng

RT: 11.30 min Scan# 1634

Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:196 Resp: 111393

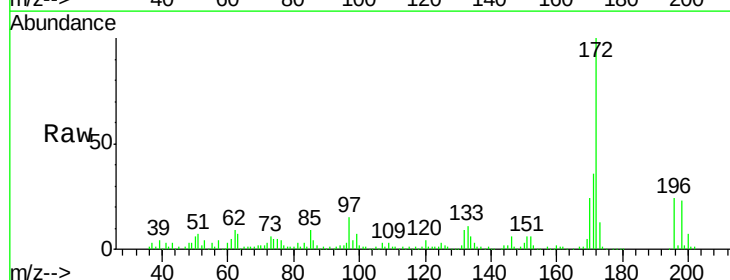
Ion Ratio Lower Upper

196 100

198 97.2 75.7 113.5

97 63.2 47.7 71.5

132 37.8 28.0 42.0

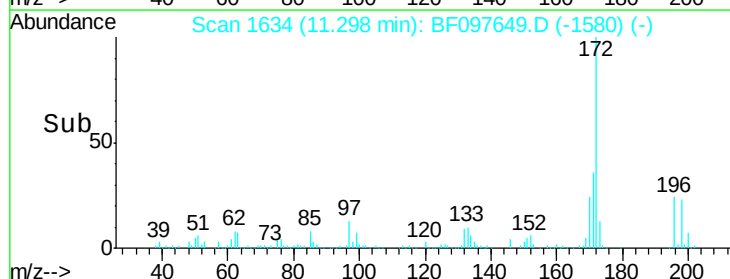
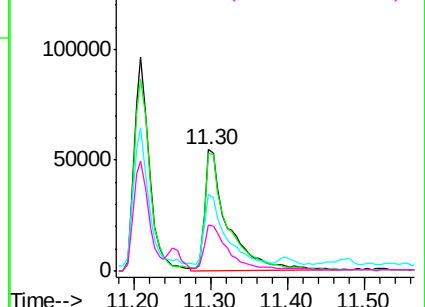


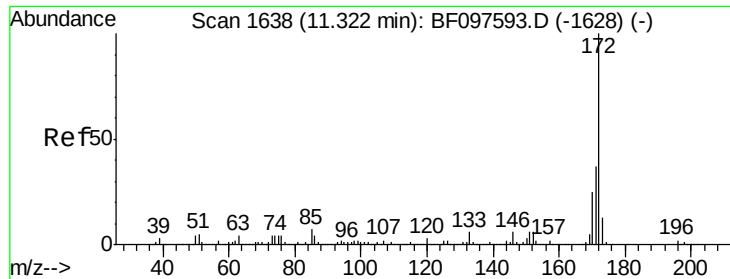
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E

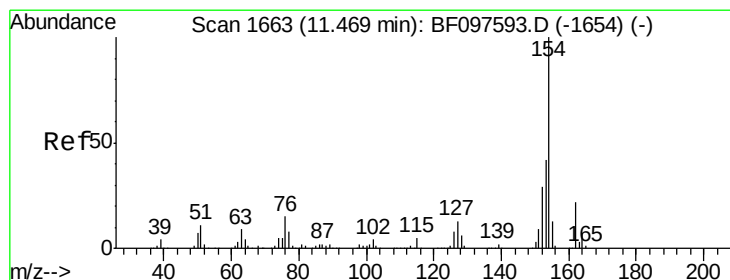
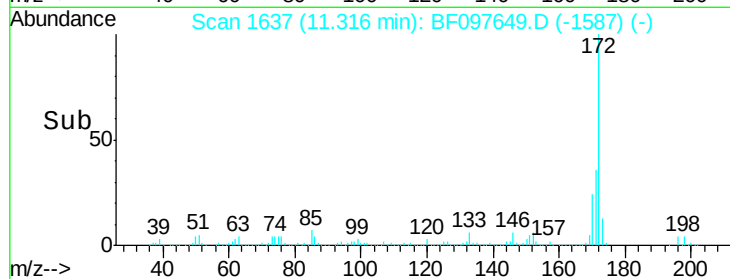
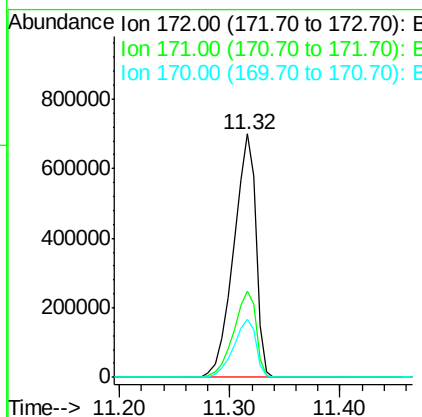
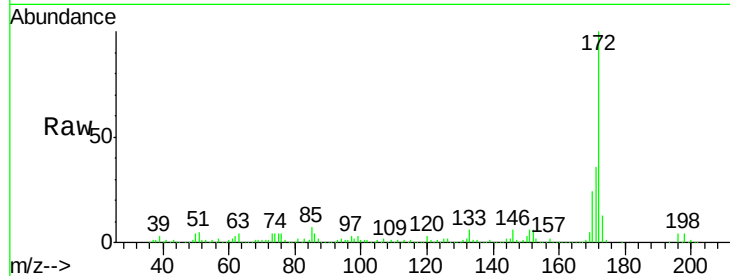




#44
2-Fluorobiphenyl
Concen: 84.68 ng
RT: 11.32 min Scan# 1637
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

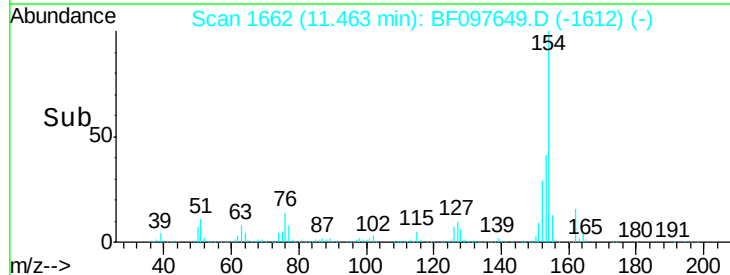
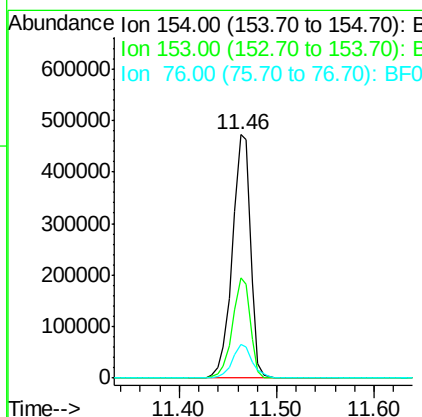
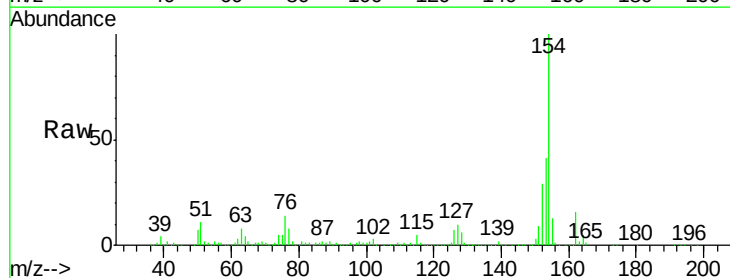
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

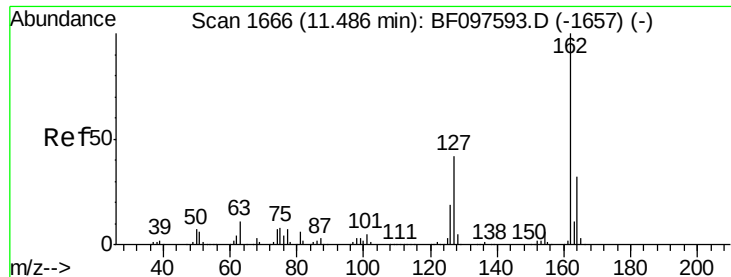
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.8	19.8	29.8



#45
1,1'-Biphenyl
Concen: 40.47 ng
RT: 11.46 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.2	61.2
76	14.0	0.0	29.9

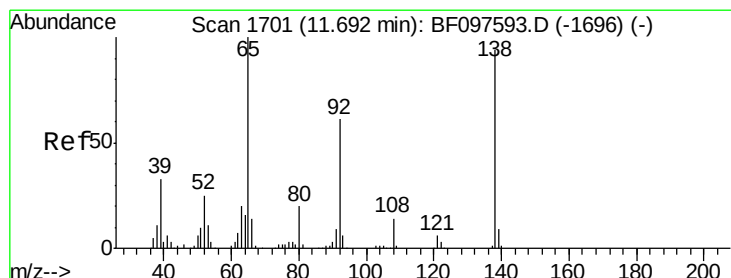
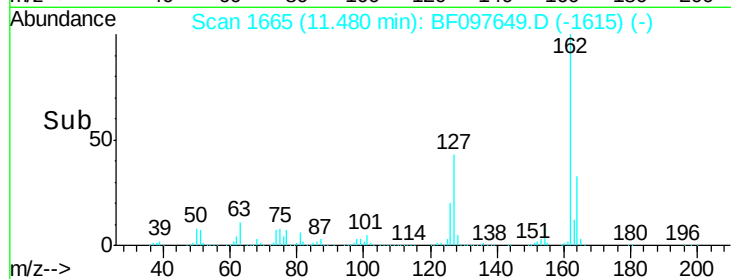
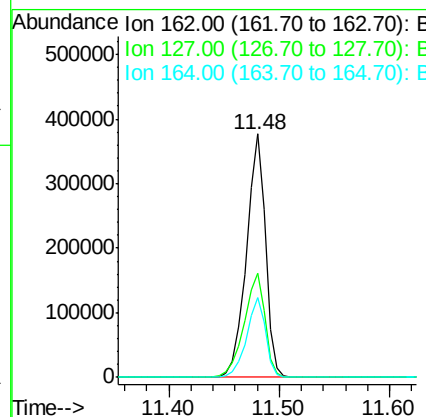
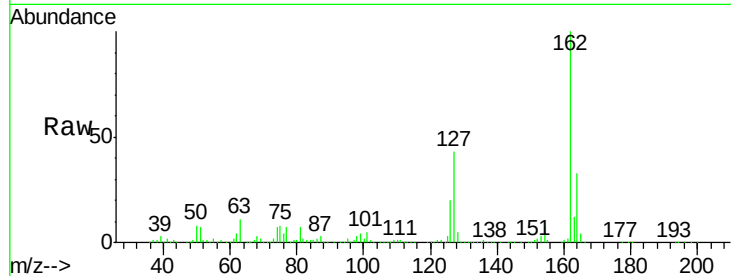




#46
2-Chloronaphthalene
Concen: 39.58 ng
RT: 11.48 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

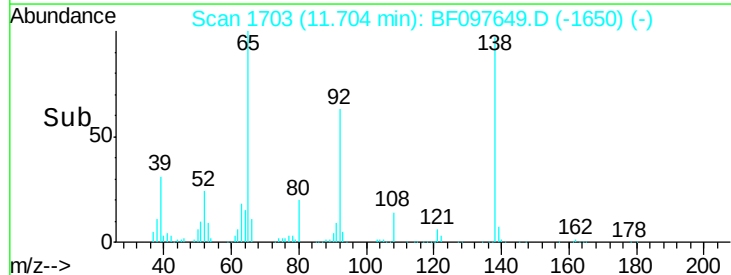
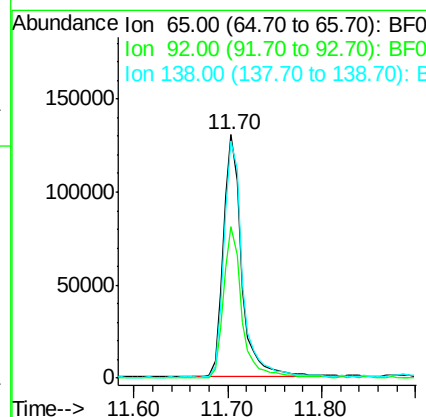
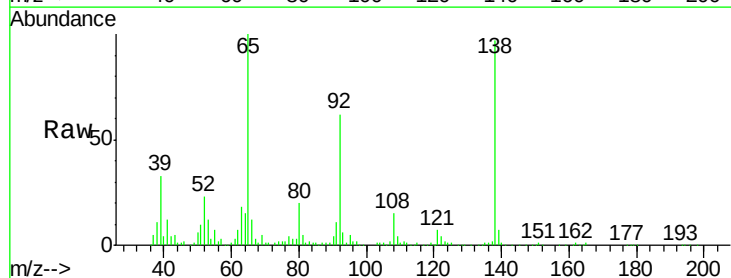
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

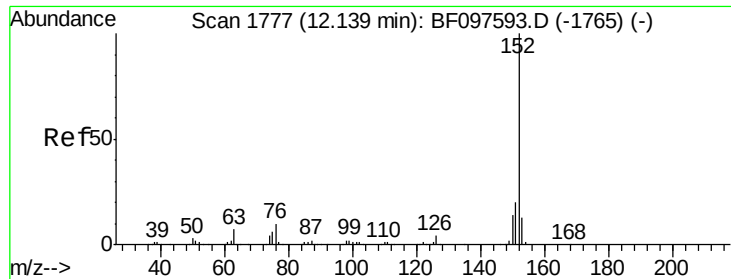
Tot Ion	Ratio	Lower	Upper
162	100		
127	42.8	28.3	42.5#
164	32.8	27.0	40.4



#47
2-Nitroaniline
Concen: 38.96 ng
RT: 11.70 min Scan# 1703
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.4	53.9	80.9
138	97.4	78.8	118.2





#48

Acenaphthylene

Concen: 38.80 ng

RT: 12.13 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

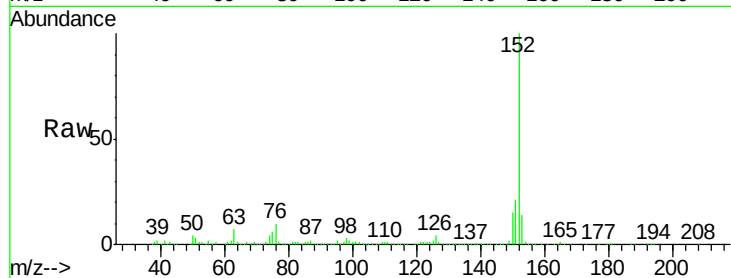
Tot Ion:152 Resp: 715478

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

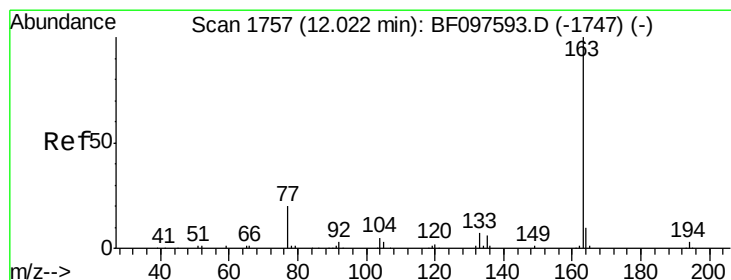
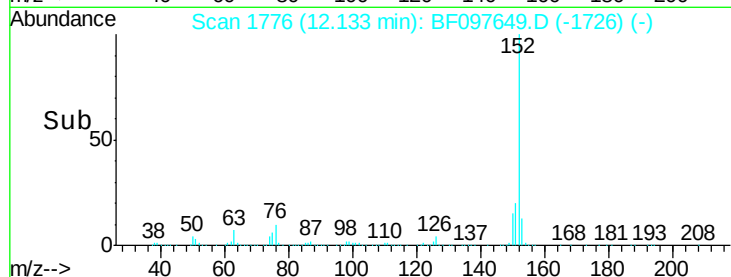
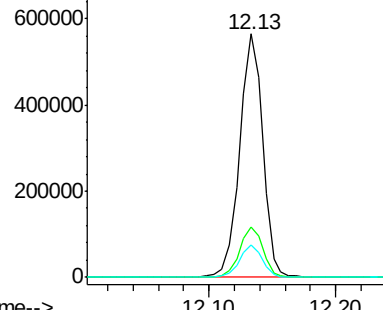
153 13.6 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 44.97 ng

RT: 12.02 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

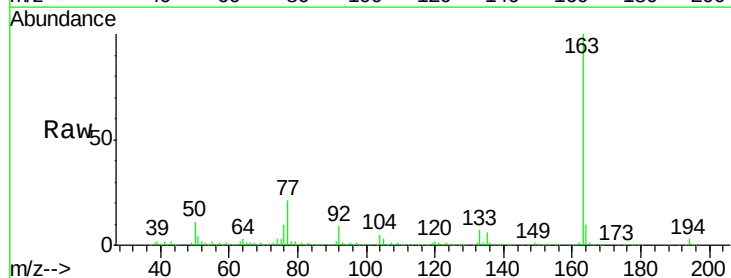
Tgt Ion:163 Resp: 610304

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

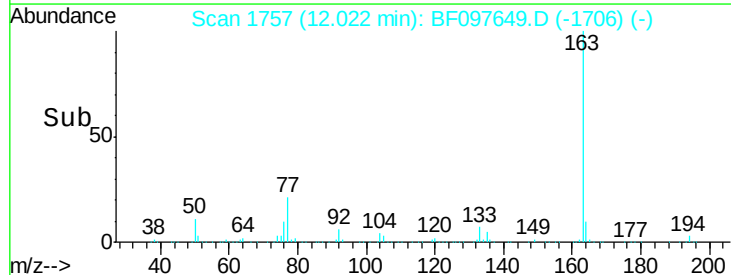
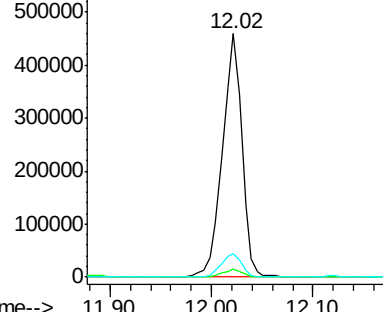
164 9.7 8.4 12.6

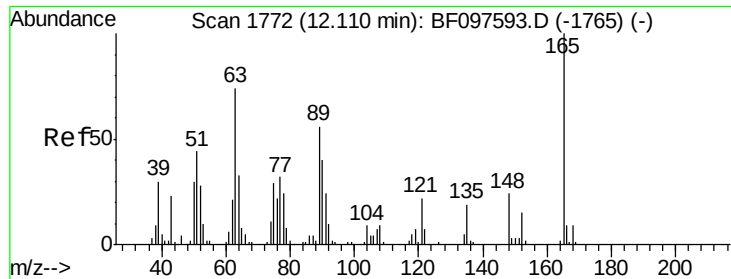


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

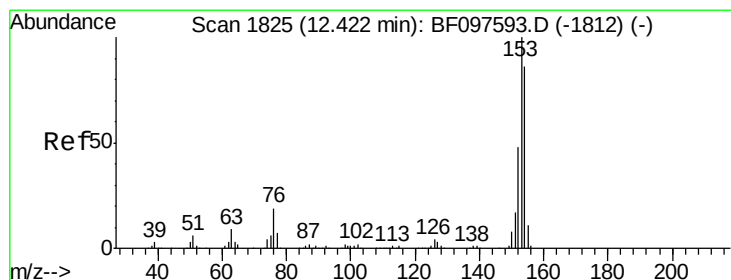
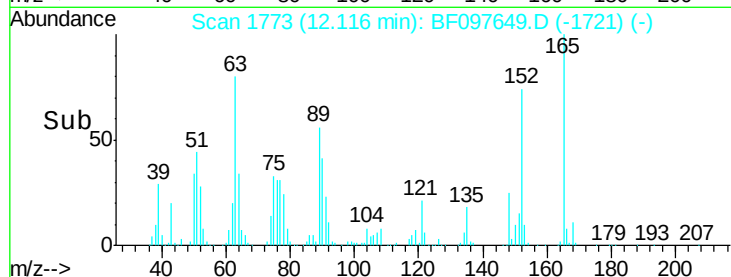
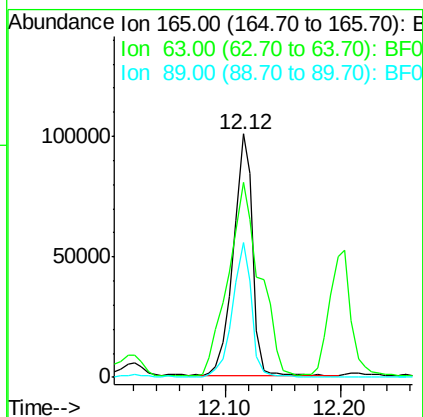
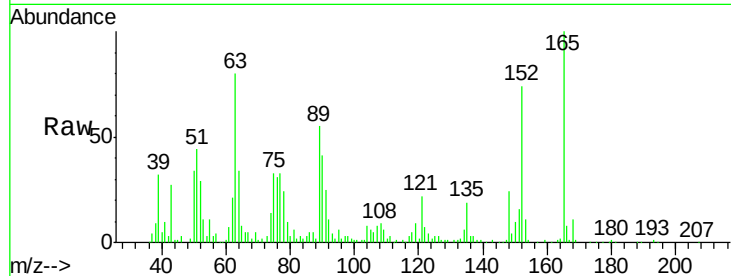




#50
 2,6-Dinitrotoluene
 Concen: 41.14 ng
 RT: 12.12 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

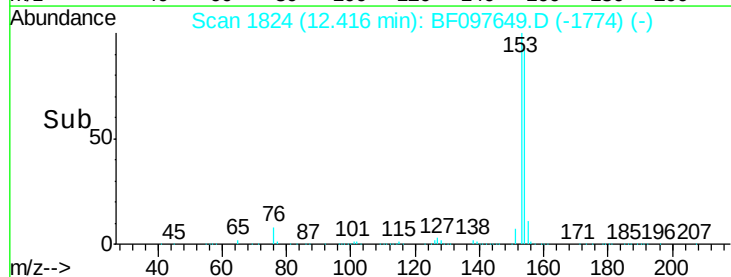
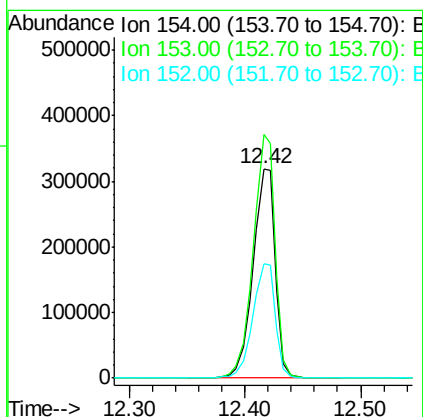
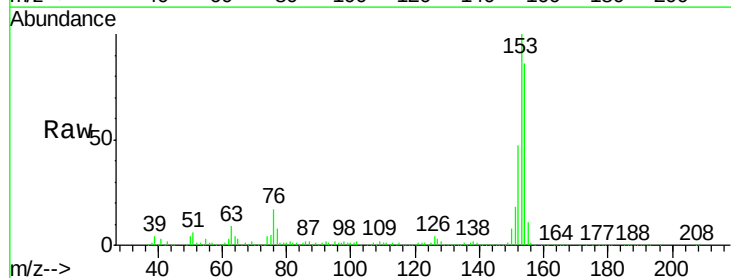
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

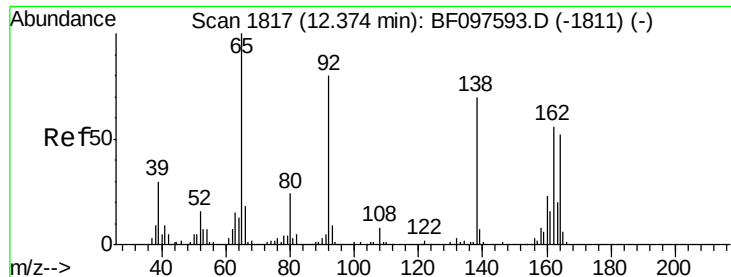
Tot Ion:165 Resp: 115314
 Ion Ratio Lower Upper
 165 100
 63 80.0 34.3 51.5#
 89 55.5 37.1 55.7



#51
 Acenaphthene
 Concen: 38.77 ng
 RT: 12.42 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion:154 Resp: 428500
 Ion Ratio Lower Upper
 154 100
 153 116.5 90.5 135.7
 152 54.6 43.6 65.4





#52

3-Nitroaniline

Concen: 18.56 ng

RT: 12.39 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

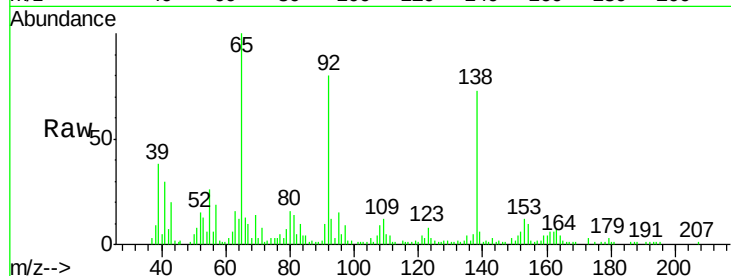
Tot Ion:138 Resp: 68104

Ion Ratio Lower Upper

138 100

108 12.2 9.1 13.7

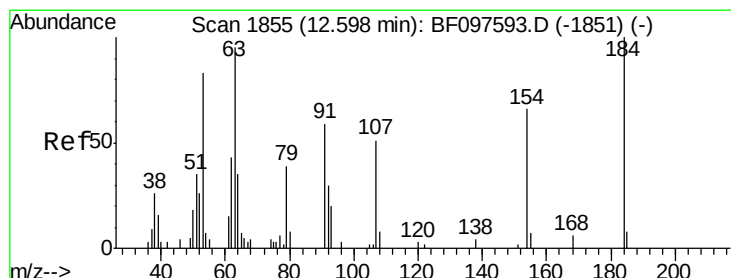
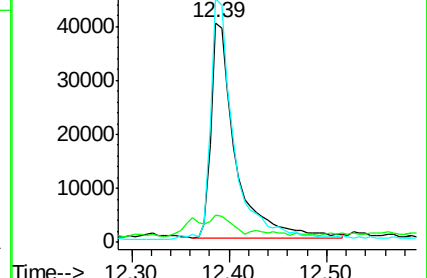
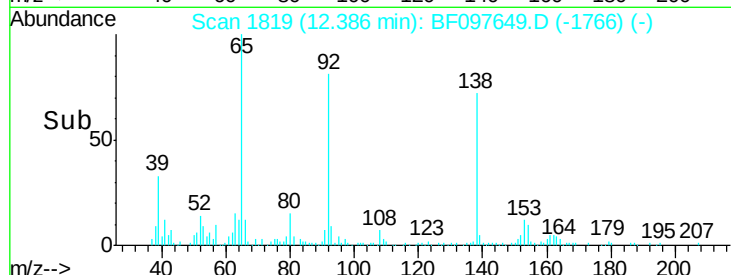
92 110.7 93.8 140.6



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): E



#53

2,4-Dinitrophenol

Concen: 40.30 ng

RT: 12.62 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

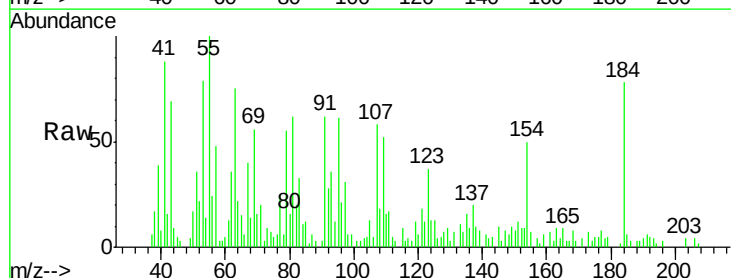
Tgt Ion:184 Resp: 46562

Ion Ratio Lower Upper

184 100

63 95.3 62.7 94.1#

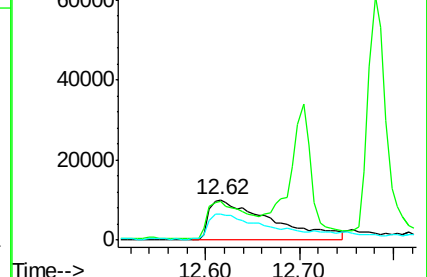
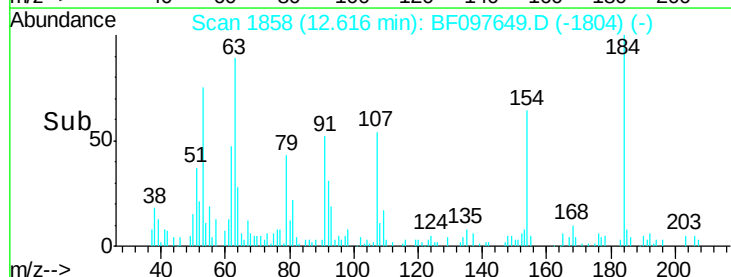
154 64.0 81.1 121.7#

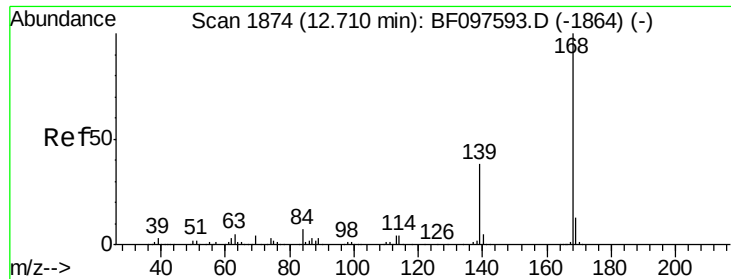


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 154.00 (153.70 to 154.70): E

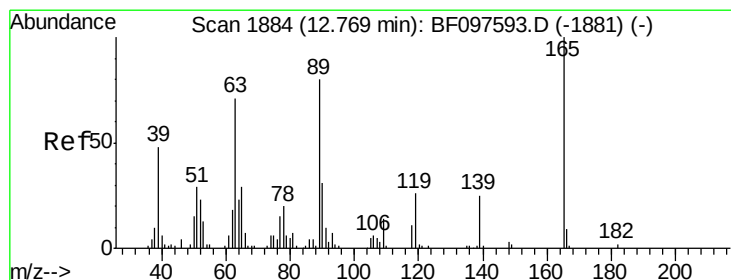
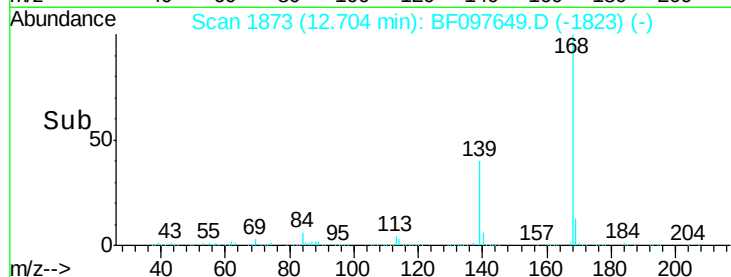
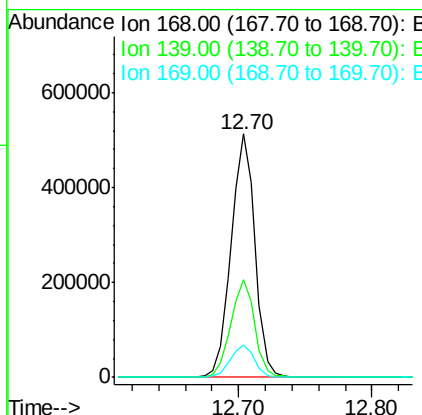
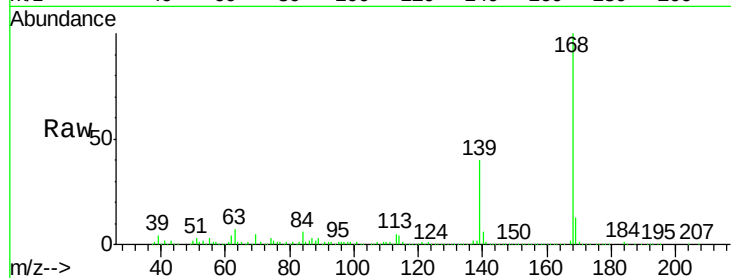




#54
Dibenzofuran
Concen: 41.24 ng
RT: 12.70 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

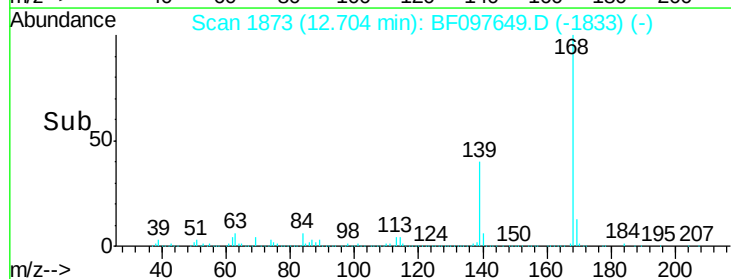
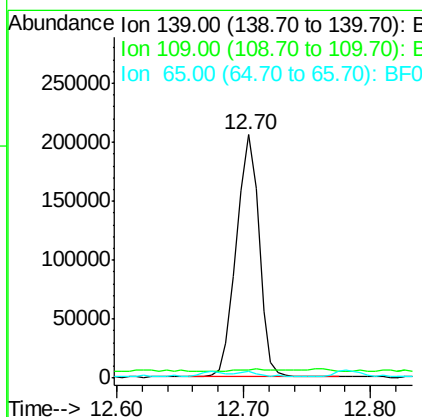
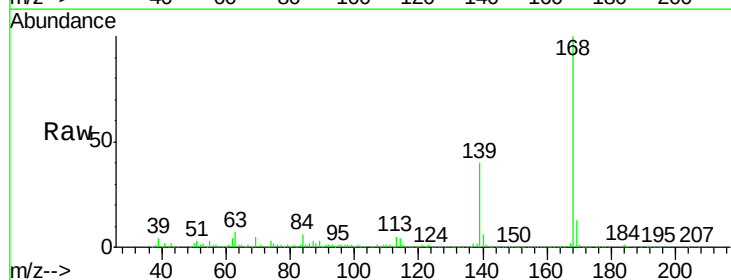
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

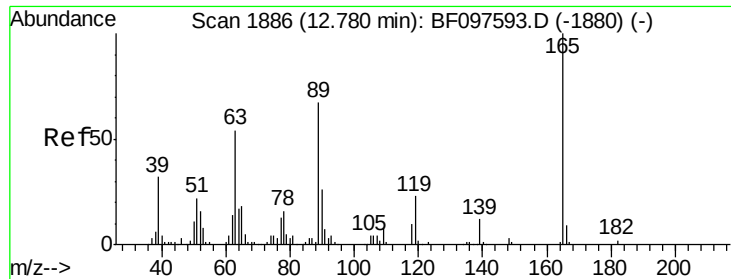
Tot Ion:168 Resp: 638044
Ion Ratio Lower Upper
168 100
139 40.3 30.6 45.8
169 13.2 10.8 16.2



#55
4-Nitrophenol
Concen: 182.61 ng
RT: 12.70 min Scan# 1873
Delta R.T. -0.06 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:139 Resp: 255213
Ion Ratio Lower Upper
139 100
109 3.3 34.1 74.1#
65 2.6 31.4 71.4#

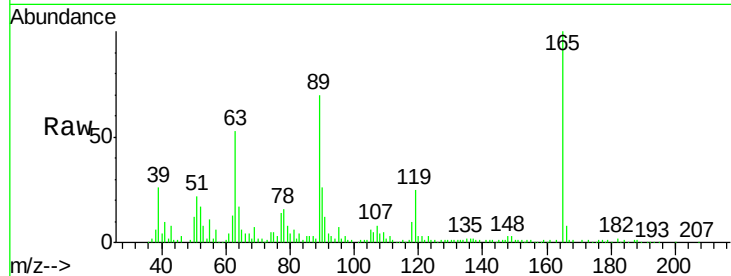




#56
 2,4-Dinitrotoluene
 Concen: 40.88 ng
 RT: 12.78 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion:165	Resp:	152940
Ion Ratio	Lower	Upper
165	100	
63	53.1	25.4 38.0#
89	69.6	46.4 69.6
182	2.0	1.8 2.6

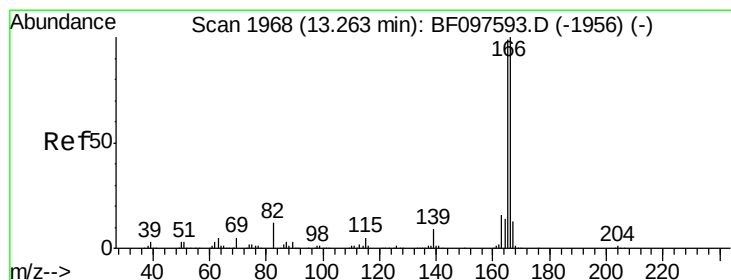
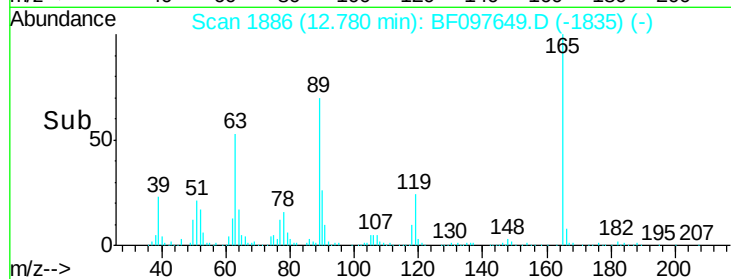
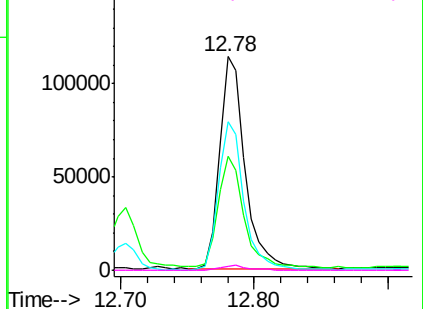


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

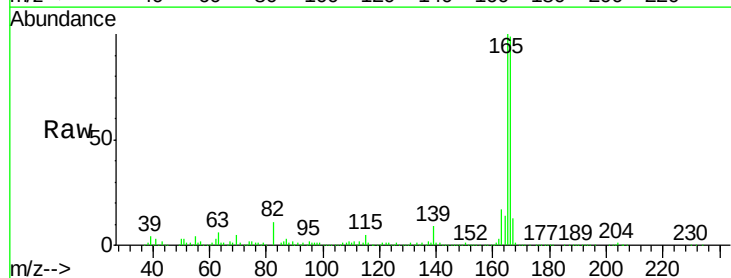
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
 Fluorene
 Concen: 38.60 ng
 RT: 13.26 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

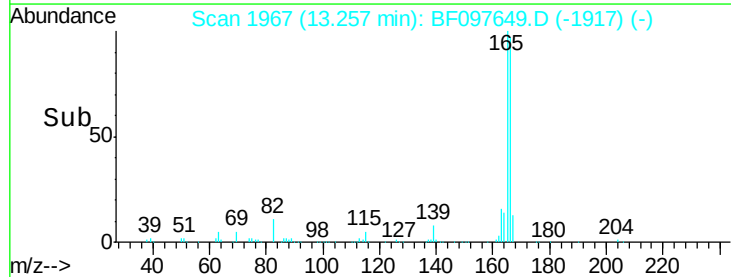
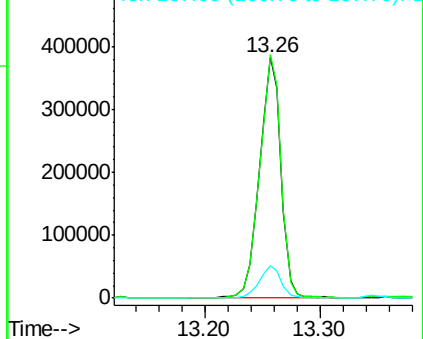
Tgt Ion:166	Resp:	491133
Ion Ratio	Lower	Upper
166	100	
165	101.1	78.8 118.2
167	13.4	10.6 16.0

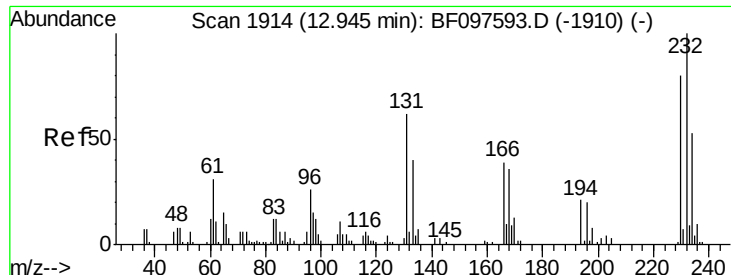


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

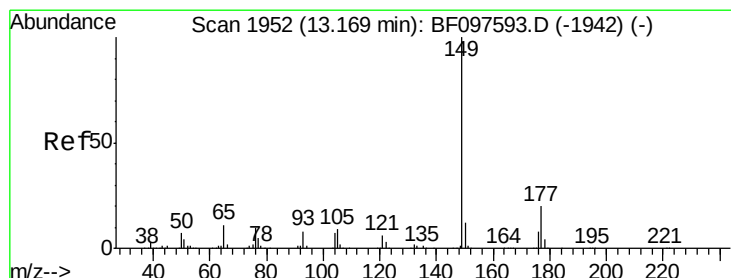
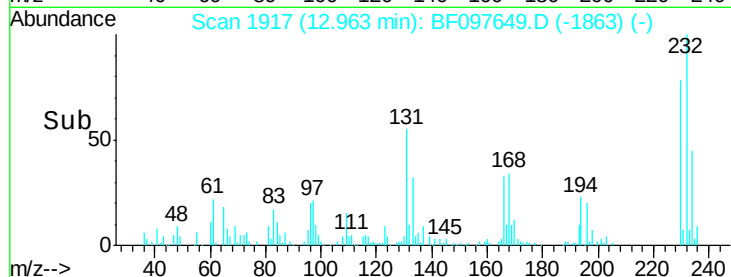
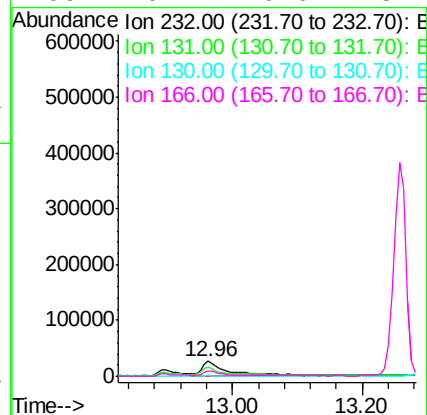
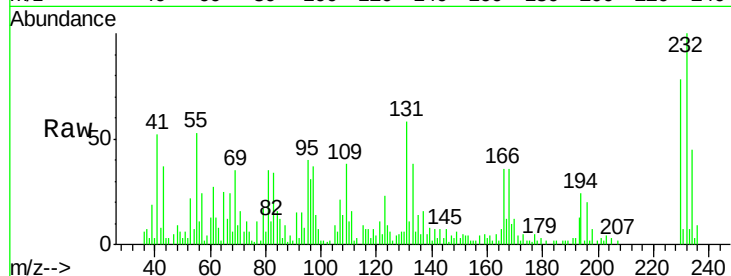




#58
2,3,4,6-Tetrachlorophenol
Concen: 34.71 ng
RT: 12.96 min Scan# 1917
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

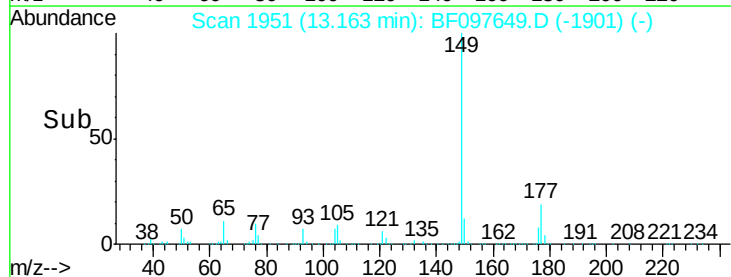
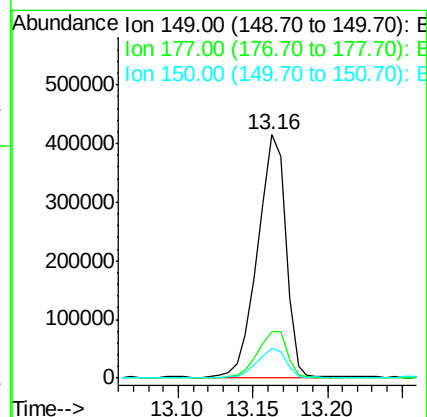
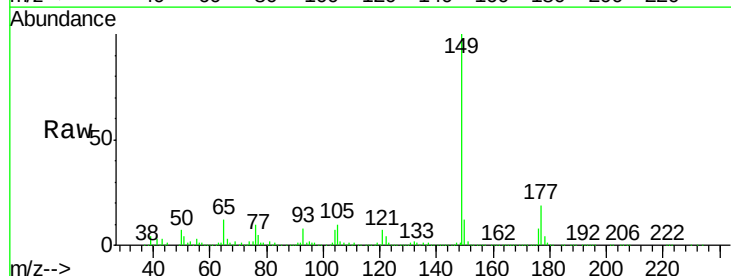
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

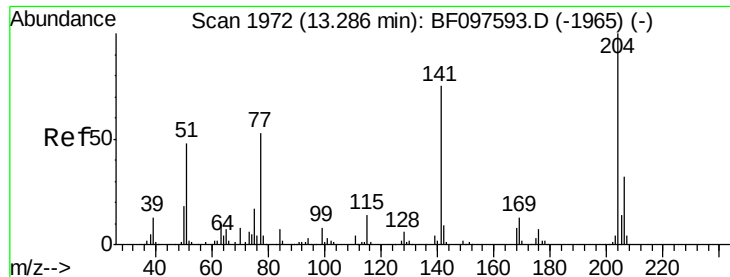
Tot Ion	Ratio	Lower	Upper
232	100		
131	42.8	44.8	67.2#
130	2.1	2.3	3.5#
166	19.2	29.0	43.4#



#59
Diethylphthalate
Concen: 41.78 ng
RT: 13.16 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.3	16.7	25.1
150	12.4	10.2	15.2

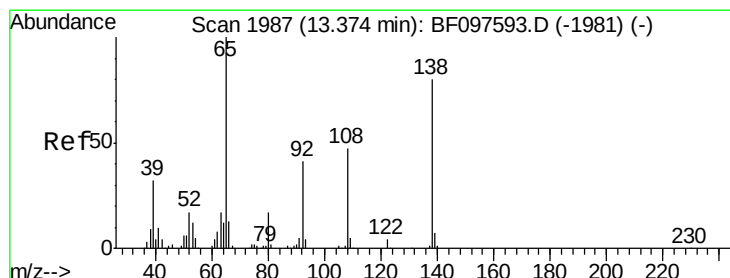
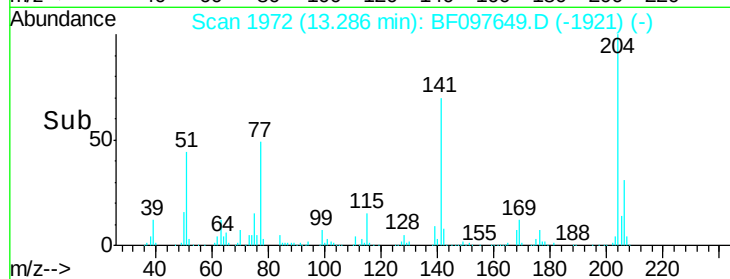
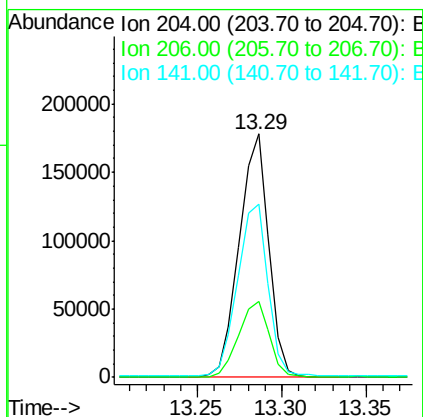
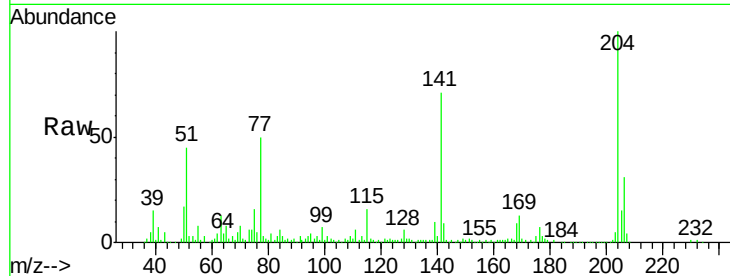




#60
4-Chlorophenyl-phenylether
Concen: 40.05 ng
RT: 13.29 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

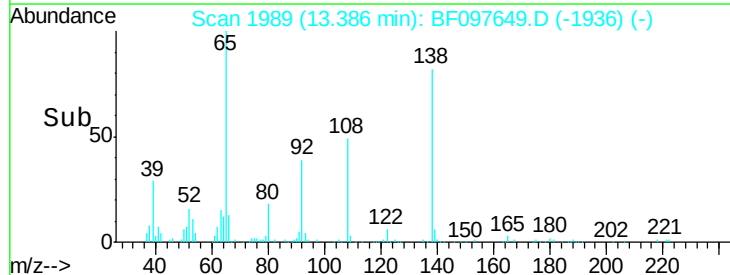
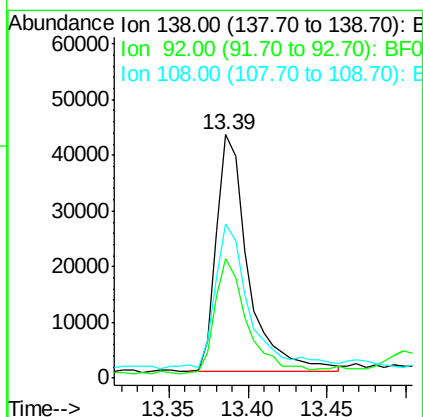
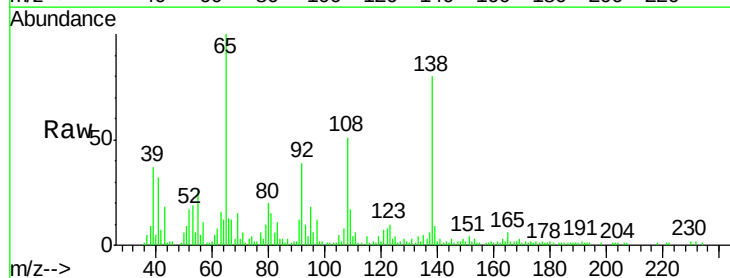
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

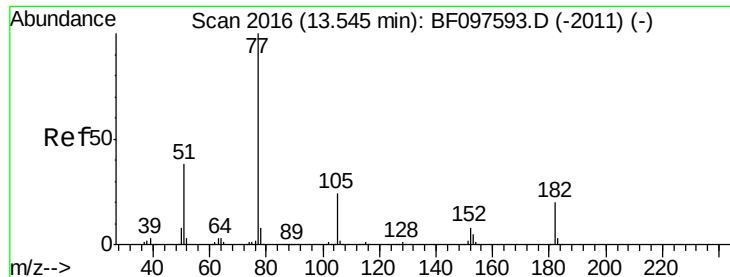
Tot Ion	Ratio	Lower	Upper
204	100		
206	31.3	26.2	39.2
141	71.0	60.8	91.2



#61
4-Nitroaniline
Concen: 17.00 ng
RT: 13.39 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.0	21.8	61.8
108	63.1	42.3	82.3





#62

Azobenzene

Concen: 40.25 ng

RT: 13.54 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion: 77 Resp: 513299

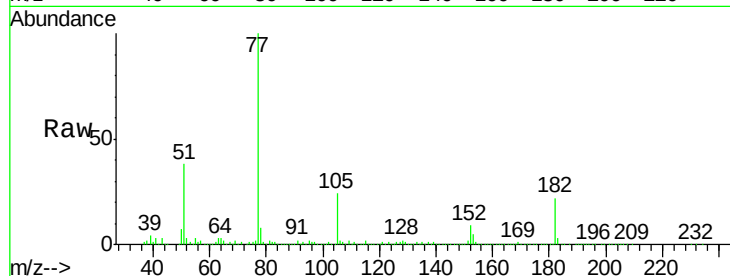
Ion Ratio Lower Upper

77 100

182 21.5 0.1 40.1

105 23.7 3.6 43.6

51 38.3 9.4 49.4

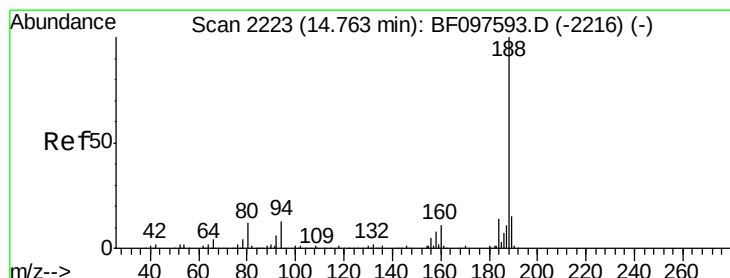
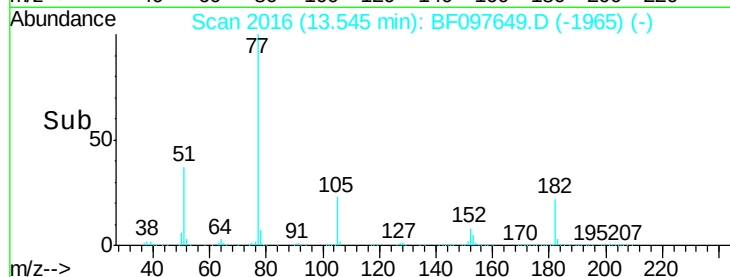
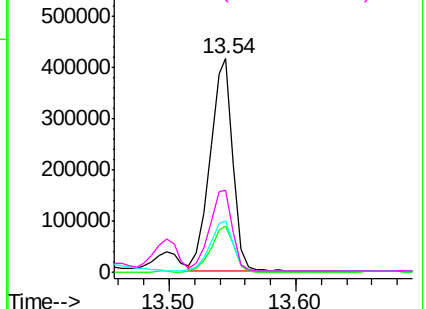


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

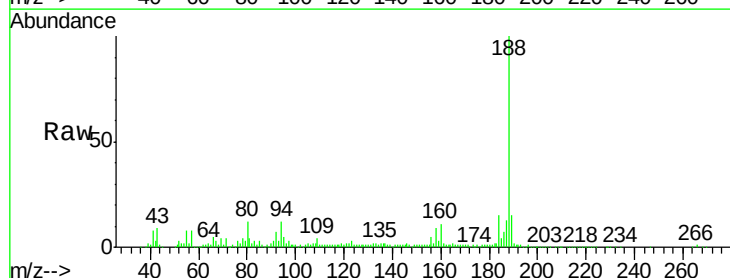
Tgt Ion: 188 Resp: 246338

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

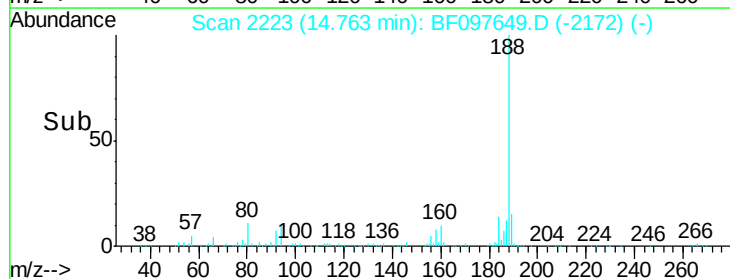
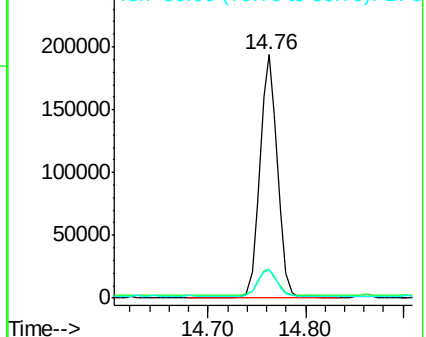
80 11.8 10.2 15.2

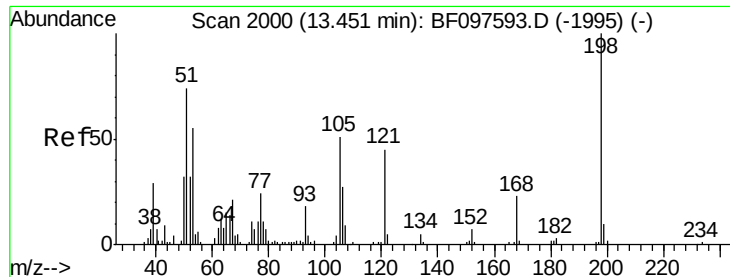


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

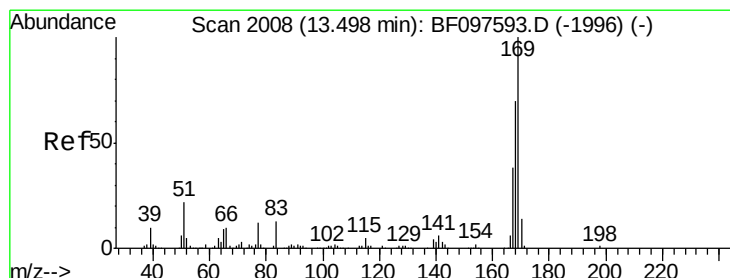
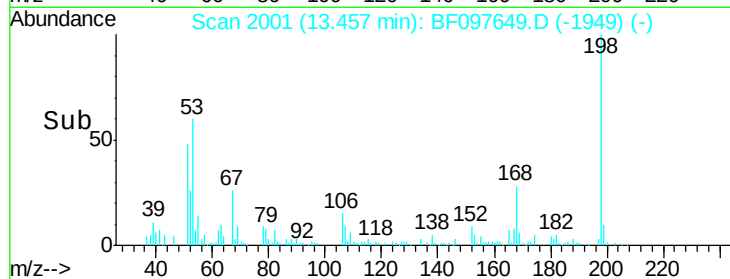
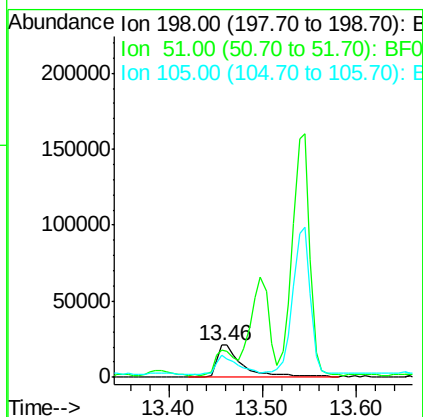
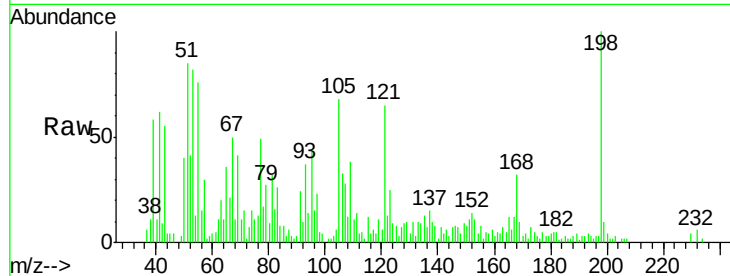




#64
4,6-Dinitro-2-methylphenol
Concen: 27.92 ng
RT: 13.46 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

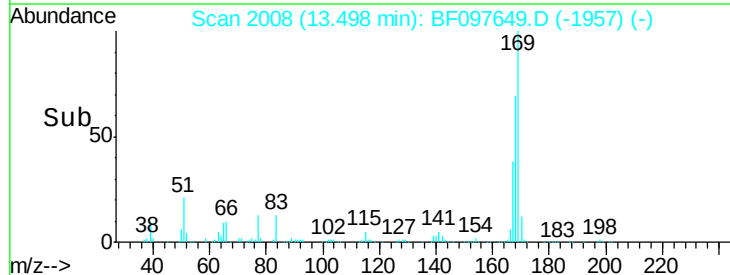
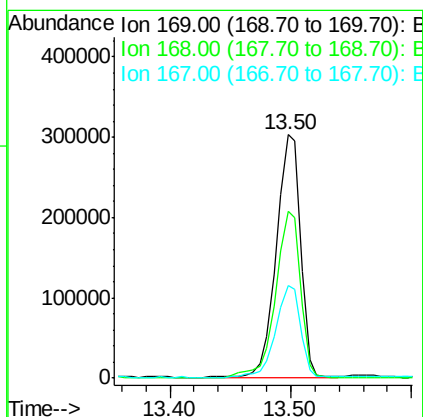
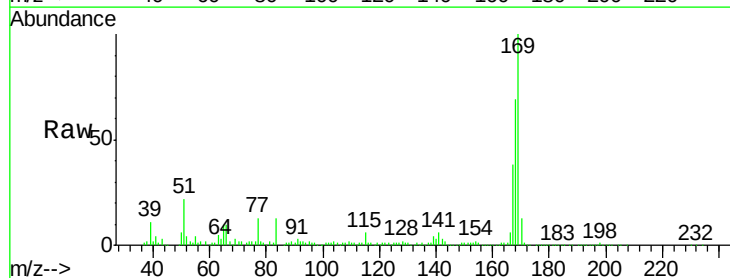
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

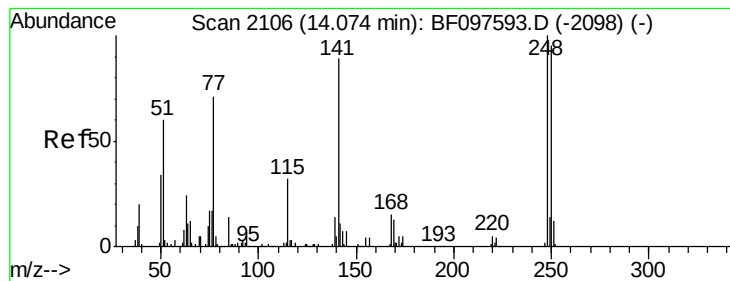
Tot Ion:198 Resp: 41956
Ion Ratio Lower Upper
198 100
51 85.4 53.2 93.2
105 68.2 45.8 85.8



#65
n-Nitrosodiphenylamine
Concen: 46.64 ng
RT: 13.50 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:169 Resp: 424575
Ion Ratio Lower Upper
169 100
168 68.5 53.2 79.8
167 38.2 29.5 44.3





#66

4-Bromophenyl-phenylether

Concen: 46.56 ng

RT: 14.07 min Scan# 2105

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

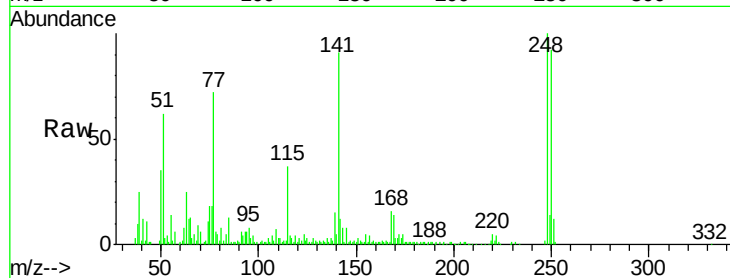
BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion:248 Resp: 118993

Ion	Ratio	Lower	Upper
248	100		
250	92.4	76.8	115.2
141	91.0	68.6	103.0

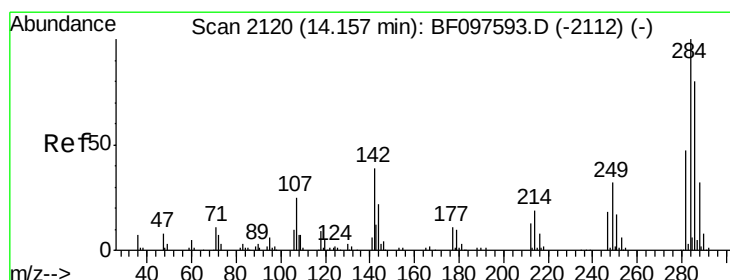
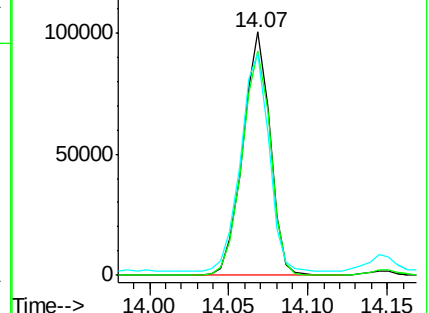
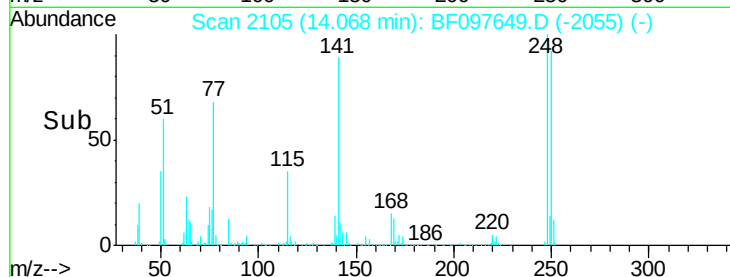


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#67

Hexachlorobenzene

Concen: 43.85 ng

RT: 14.15 min Scan# 2119

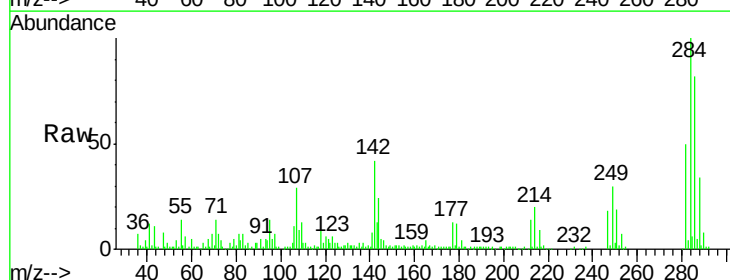
Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:284 Resp: 122088

Ion	Ratio	Lower	Upper
284	100		
142	42.2	22.8	34.2#
249	30.5	24.0	36.0

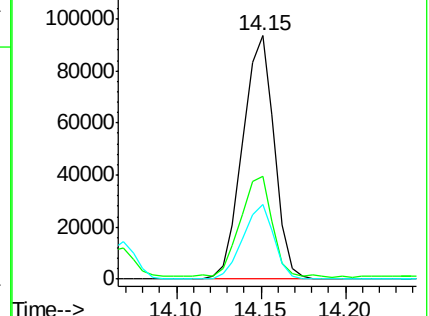
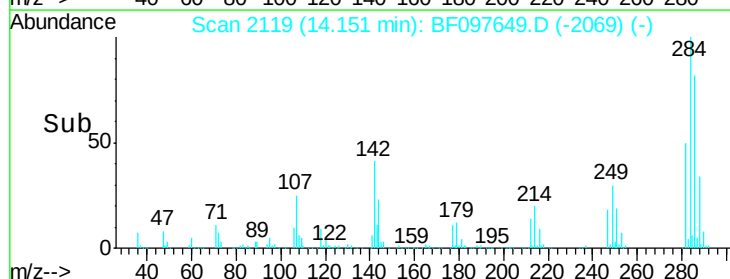


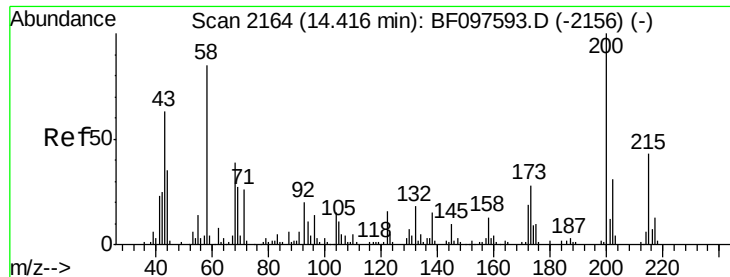
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

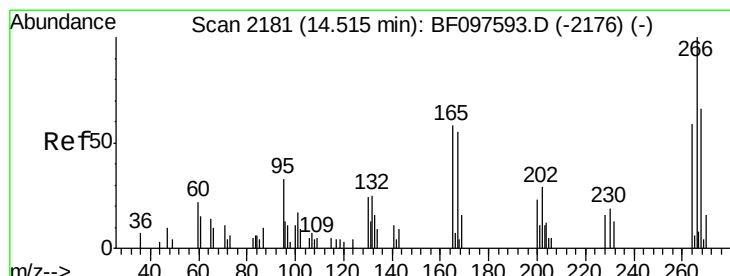
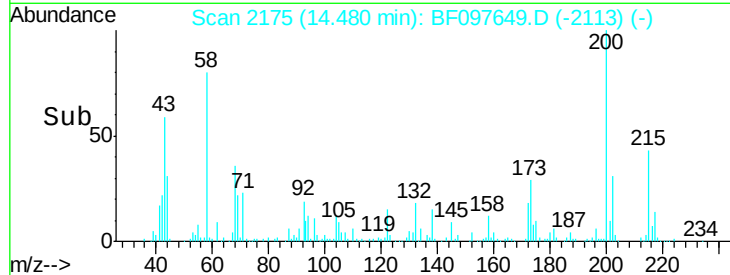
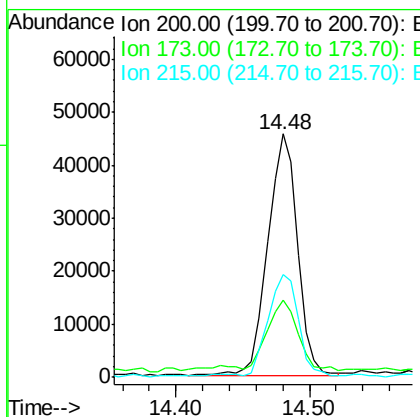
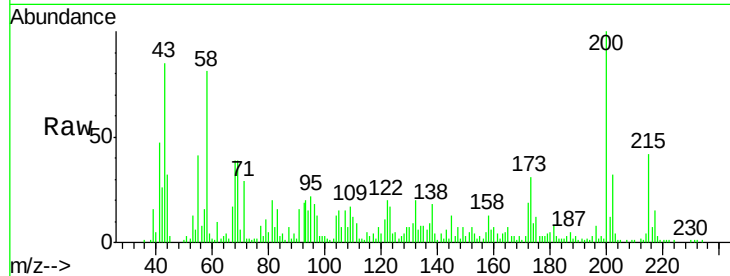




#68
Atrazine
Concen: 30.73 ng
RT: 14.48 min Scan# 2175
Delta R.T. 0.06 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

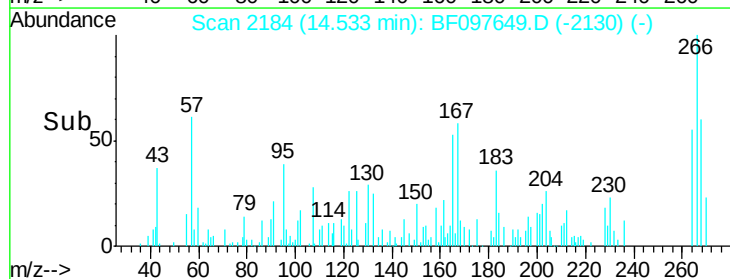
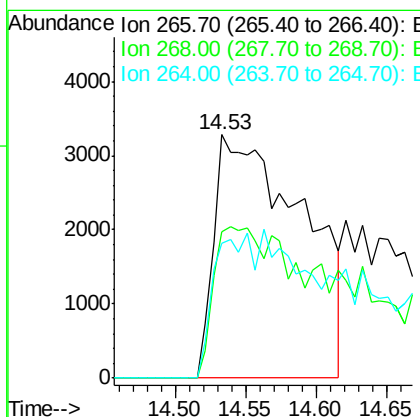
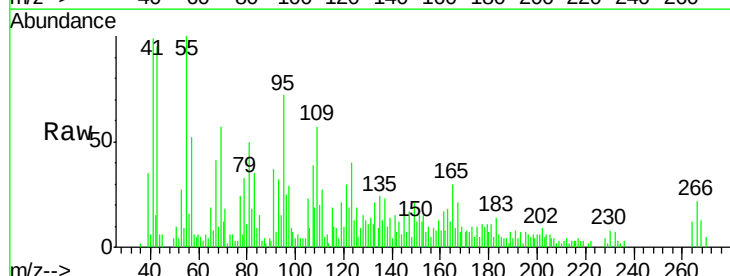
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

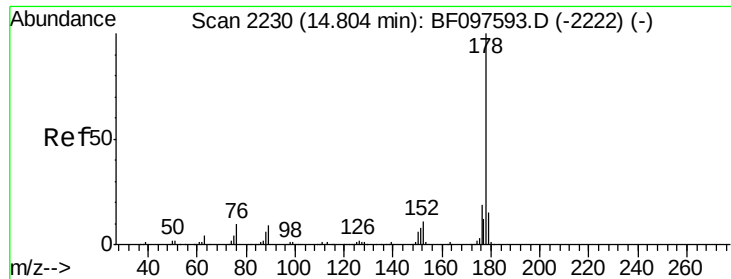
Tot Ion:200 Resp: 70198
Ion Ratio Lower Upper
200 100
173 31.5 6.3 46.3
215 42.0 27.2 67.2



#69
Pentachlorophenol
Concen: 29.11 ng
RT: 14.53 min Scan# 2184
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:266 Resp: 14310
Ion Ratio Lower Upper
266 100
268 60.1 51.1 76.7
264 55.4 51.7 77.5

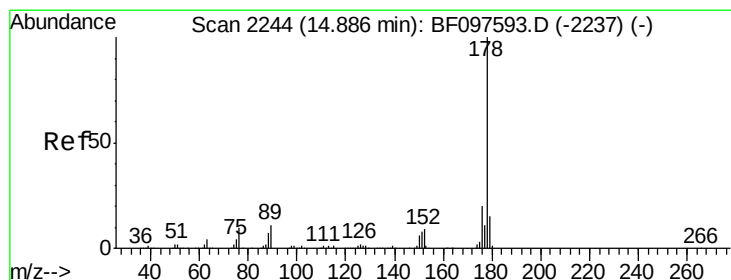
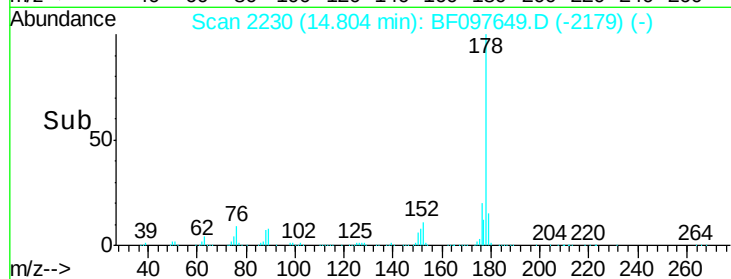
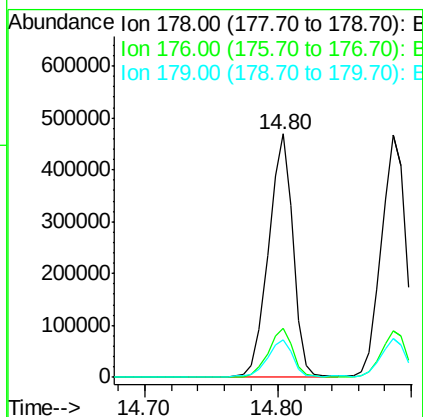
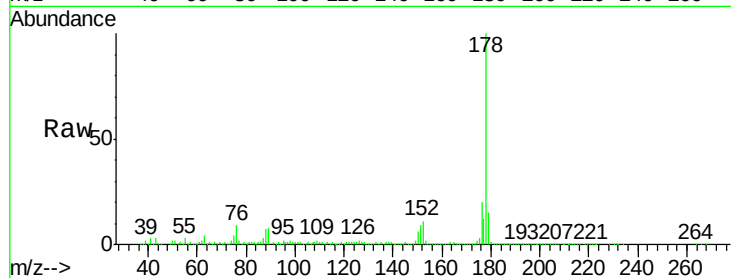




#70
Phenanthrene
Concen: 41.66 ng
RT: 14.80 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

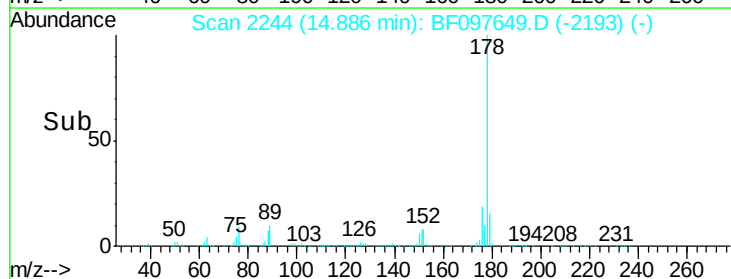
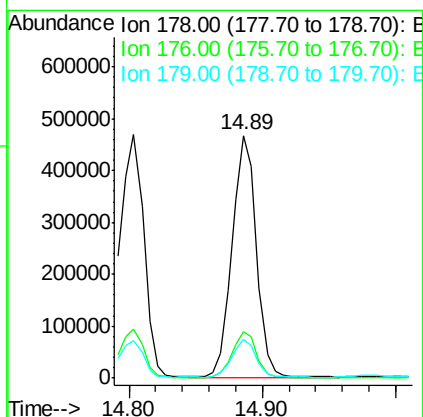
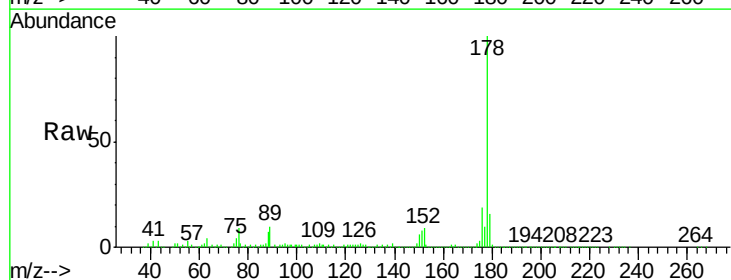
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

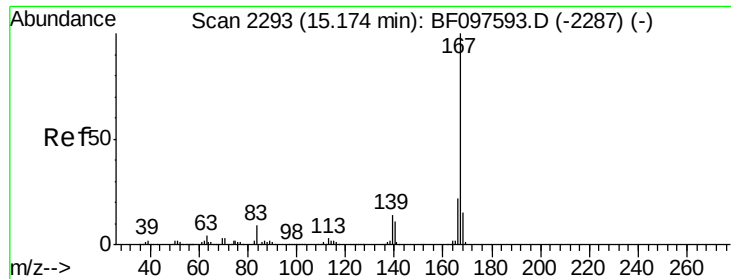
Tot Ion:178 Resp: 591010
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.4 12.6 19.0



#71
Anthracene
Concen: 40.81 ng
RT: 14.89 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:178 Resp: 592407
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 16.1 12.7 19.1





#72

Carbazole

Concen: 37.81 ng

RT: 15.19 min Scan# 2296

Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

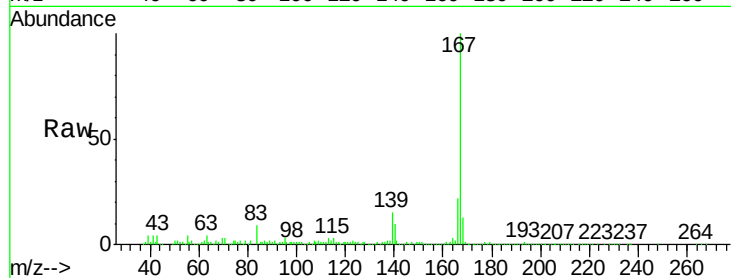
Tot Ion:167 Resp: 522470

Ion Ratio Lower Upper

167 100

166 22.3 18.1 27.1

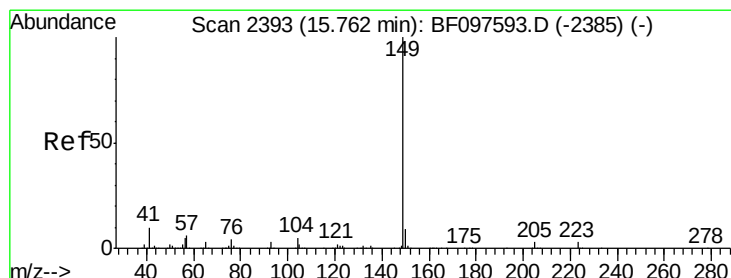
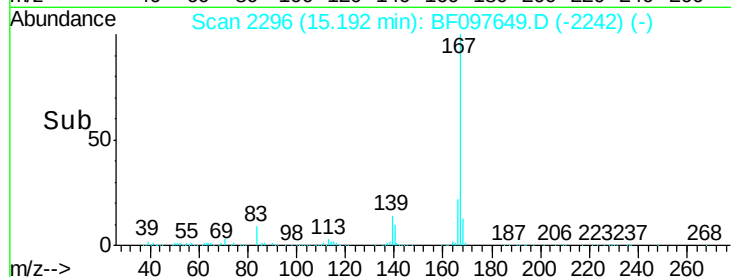
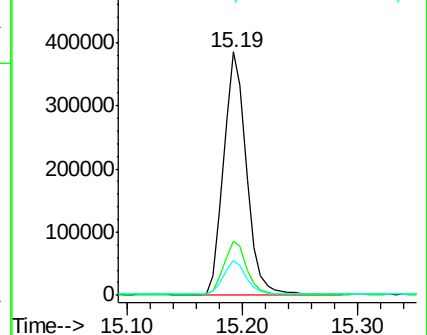
139 14.6 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 44.19 ng

RT: 15.76 min Scan# 2393

Delta R.T. 0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

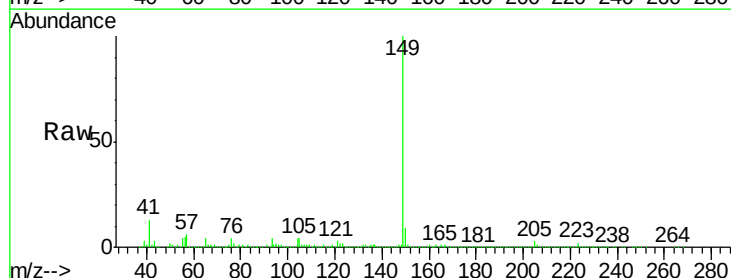
Tgt Ion:149 Resp: 714795

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

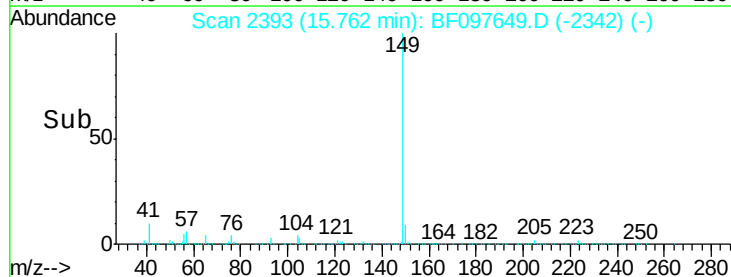
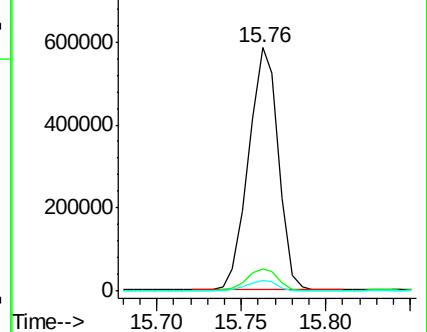
104 4.5 4.0 6.0

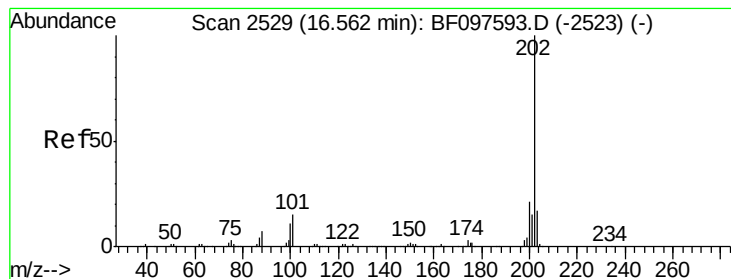


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 37.64 ng

RT: 16.57 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

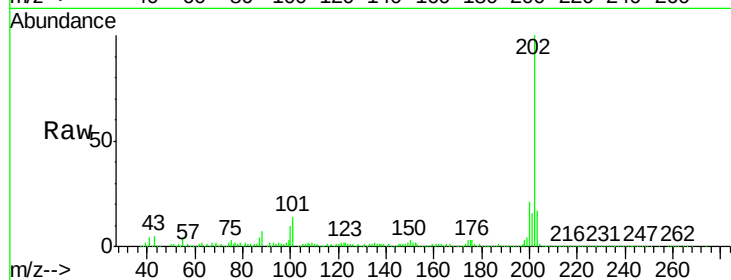
Tot Ion:202 Resp: 482567

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

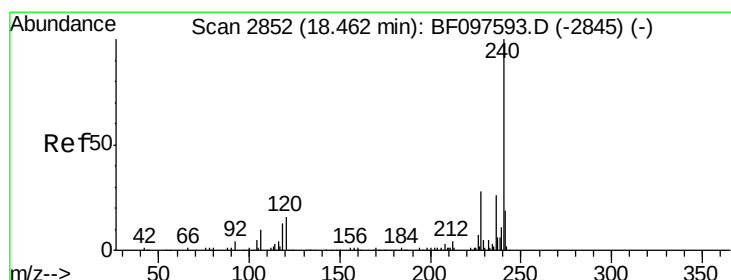
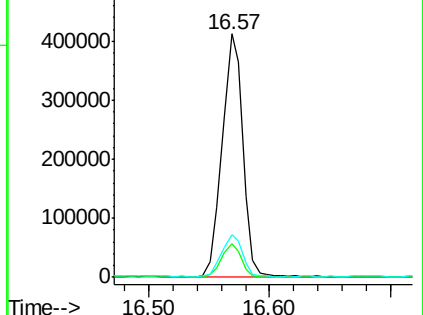
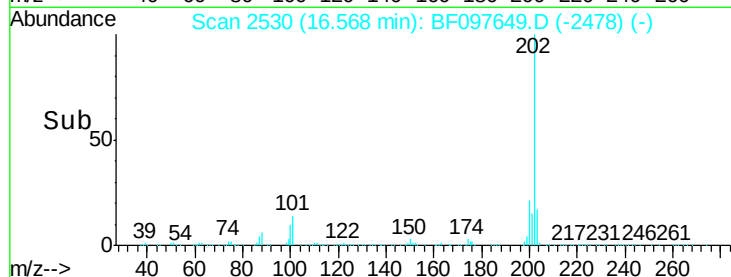
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.47 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

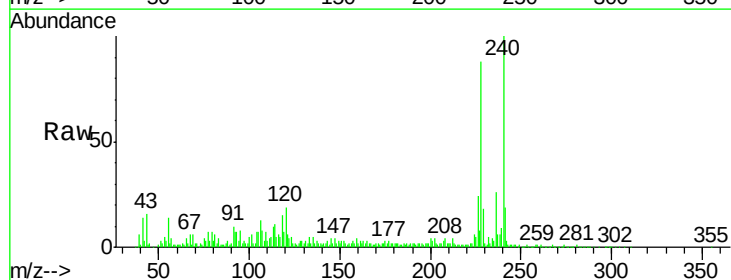
Tgt Ion:240 Resp: 168860

Ion Ratio Lower Upper

240 100

120 19.0 5.8 8.8#

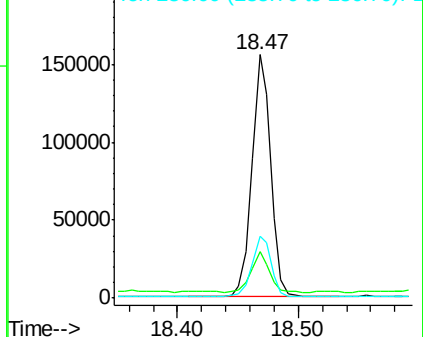
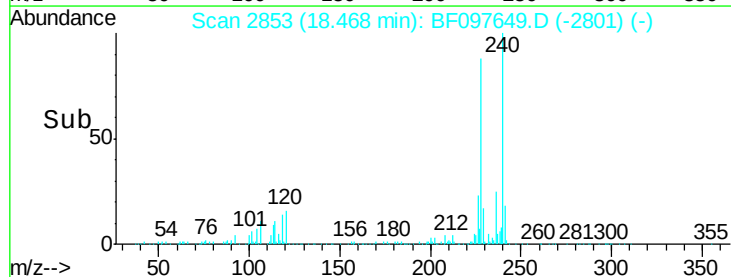
236 25.6 20.5 30.7

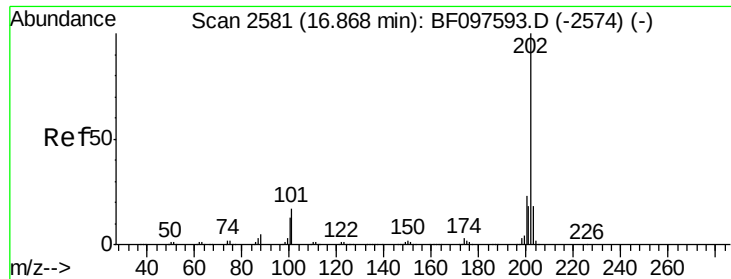


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 37.42 ng

RT: 16.87 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

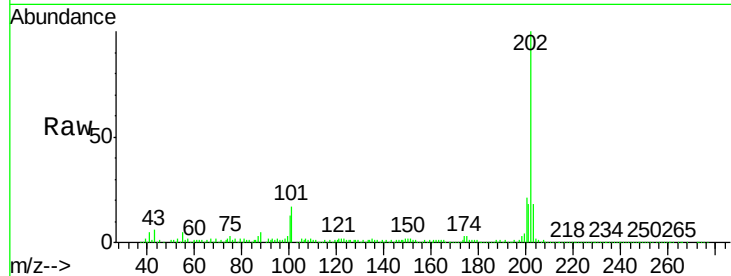
Tot Ion:202 Resp: 522524

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

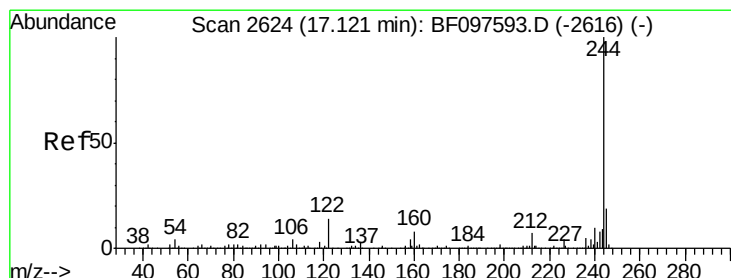
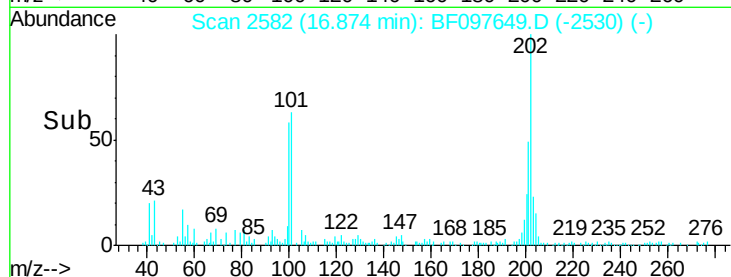
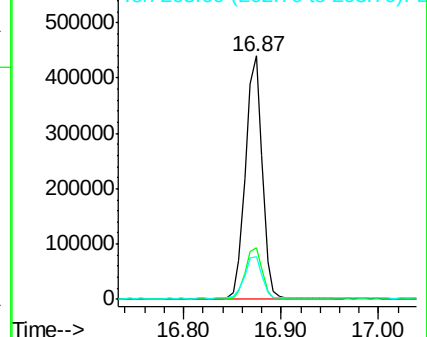
203 17.7 14.4 21.6



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: 62.86 ng

RT: 17.12 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

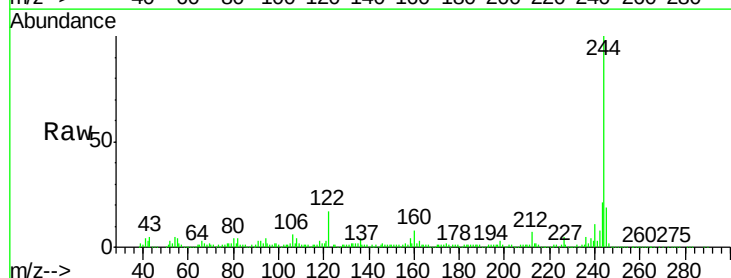
Tgt Ion:244 Resp: 512825

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

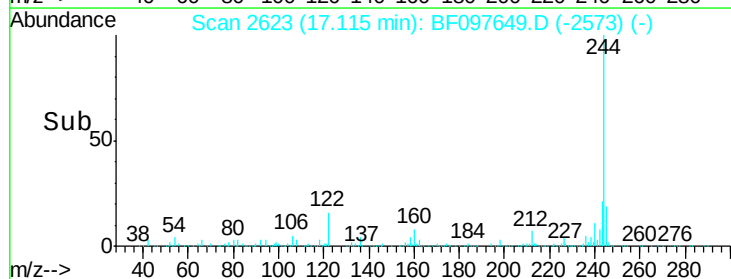
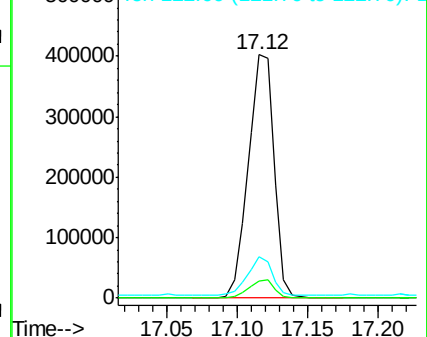
122 17.0 10.3 15.5#

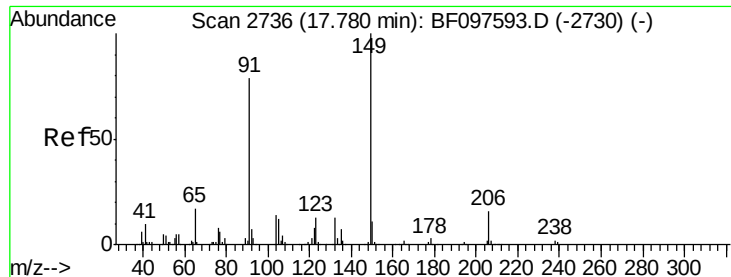


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 45.51 ng

RT: 17.79 min Scan# 2738

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

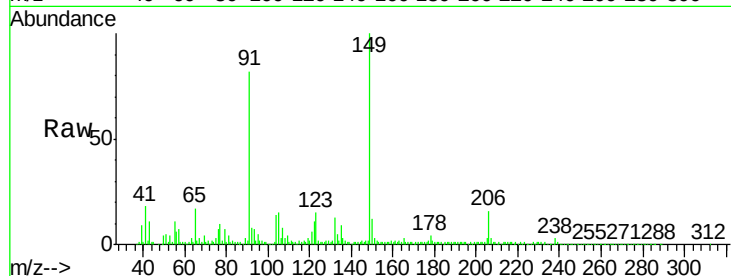
Tot Ion:149 Resp: 265652

Ion Ratio Lower Upper

149 100

91 81.7 45.0 67.4#

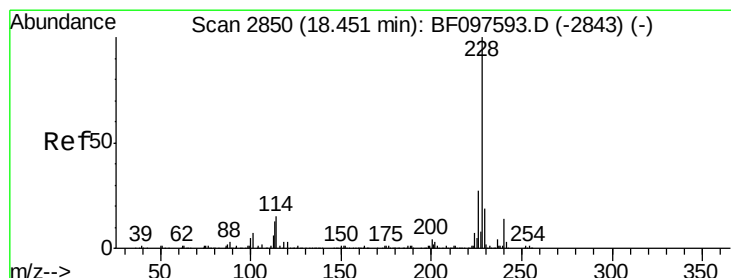
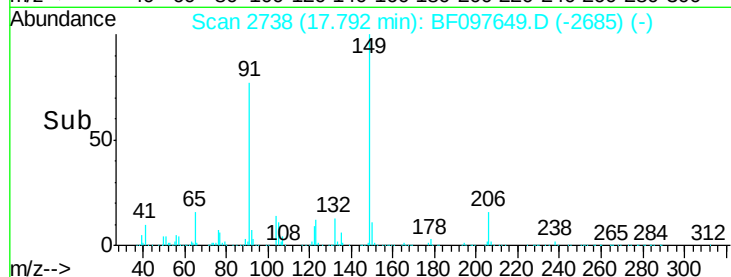
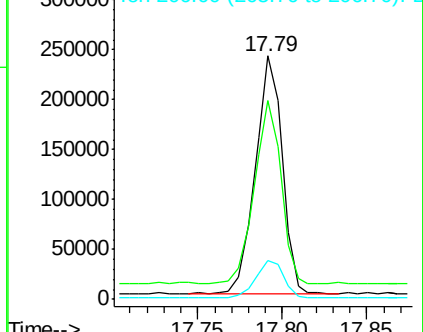
206 16.0 17.0 25.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 43.18 ng

RT: 18.46 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

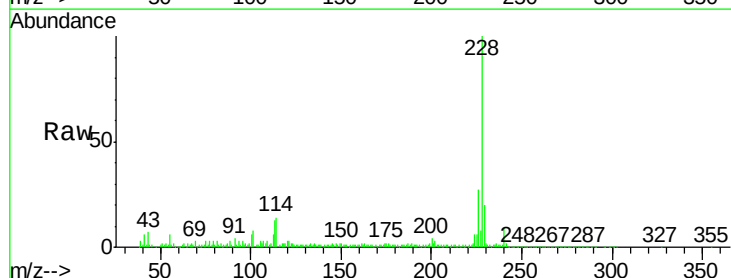
Tgt Ion:228 Resp: 425813

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

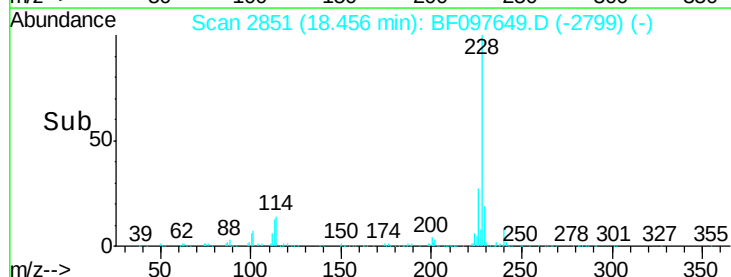
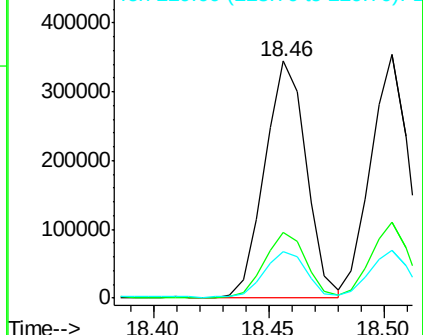
229 19.6 16.3 24.5

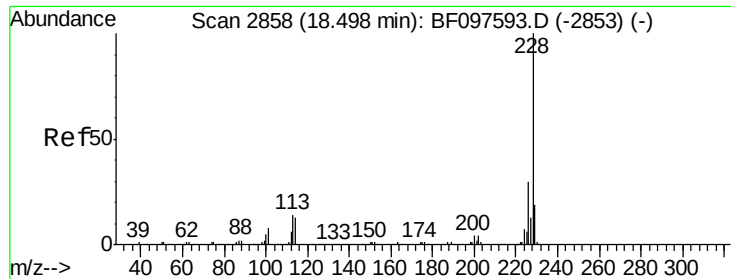


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 41.01 ng

RT: 18.50 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

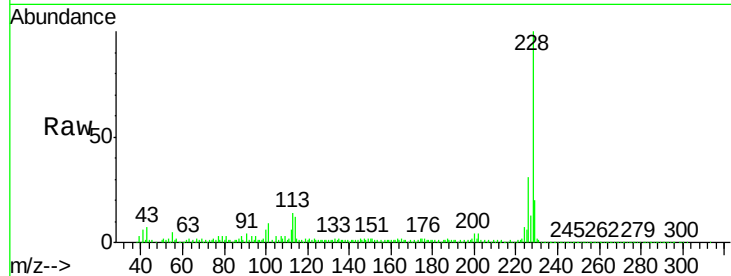
Tot Ion:228 Resp: 402310

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

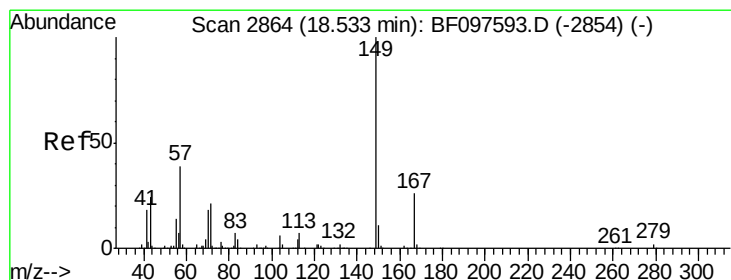
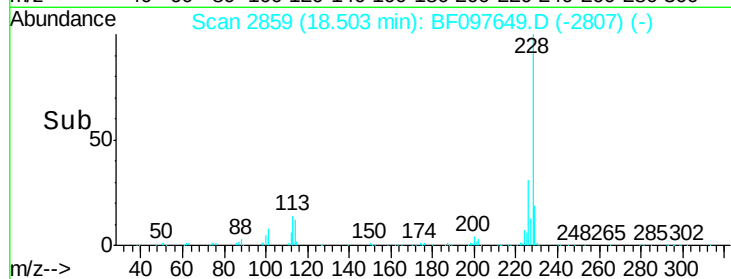
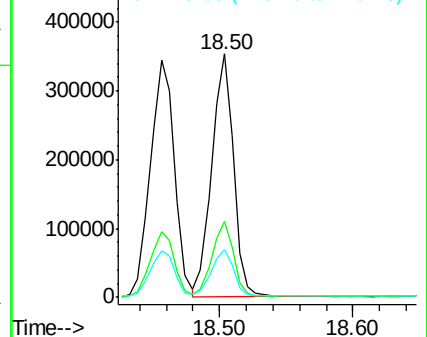
229 19.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 45.69 ng

RT: 18.54 min Scan# 2865

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

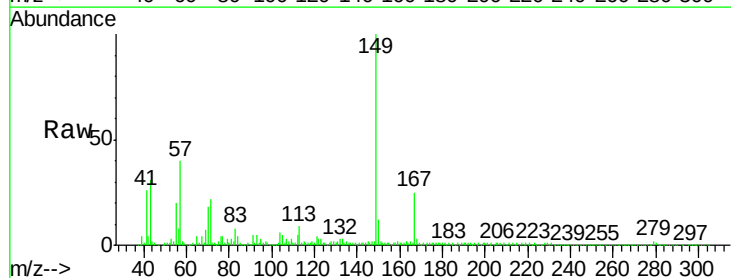
Tgt Ion:149 Resp: 379381

Ion Ratio Lower Upper

149 100

167 25.1 21.0 31.4

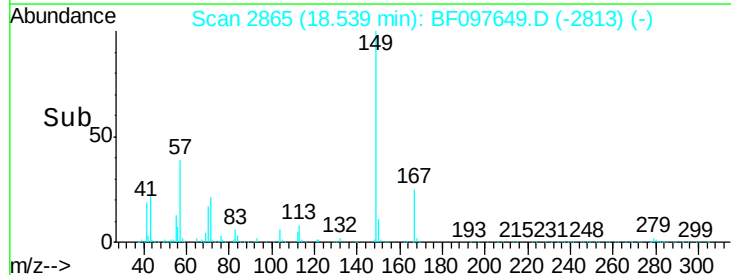
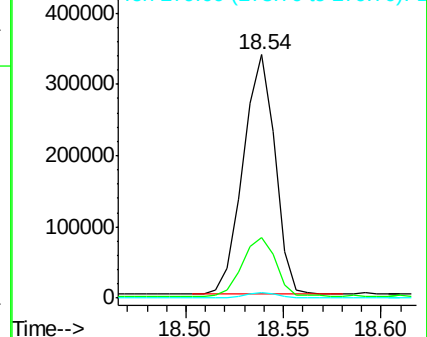
279 2.5 1.9 2.9

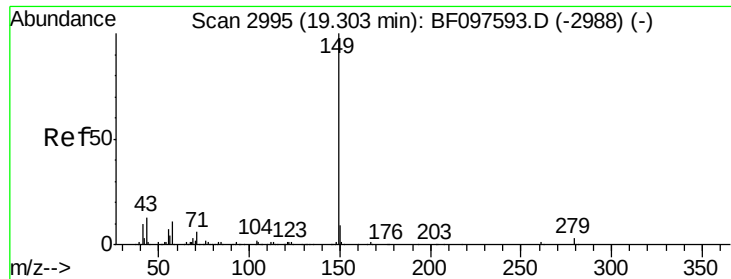


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

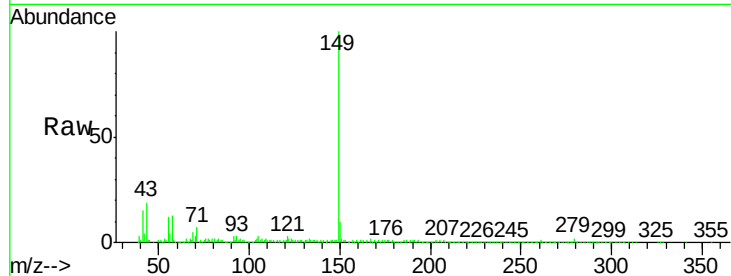




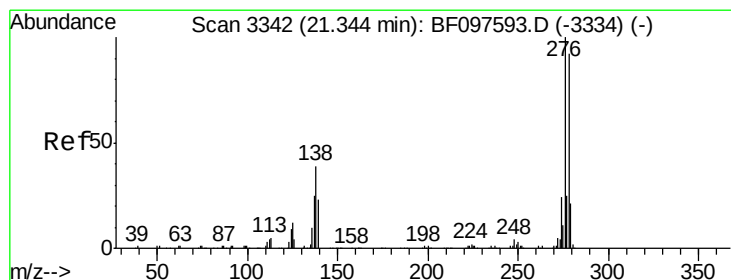
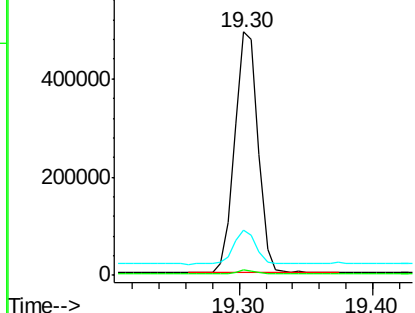
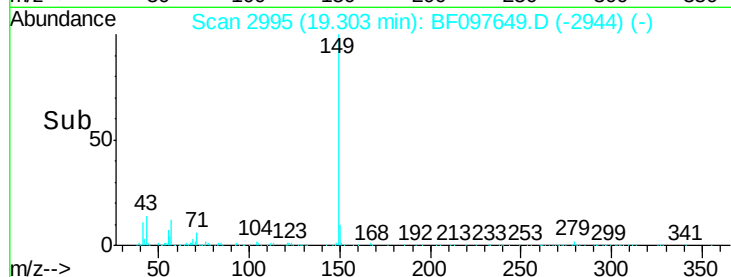
#84
Di-n-octyl phthalate
Concen: 41.40 ng
RT: 19.30 min Scan# 2995
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:149 Resp: 600247
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 13.0 8.5 12.7#

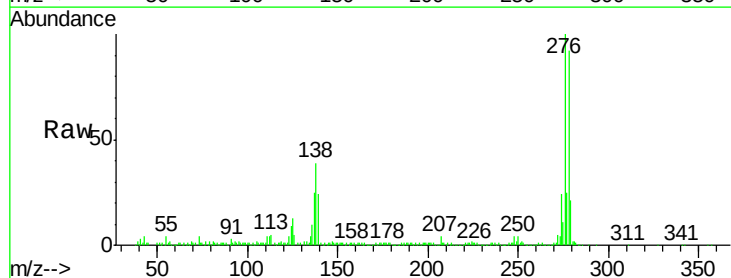


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

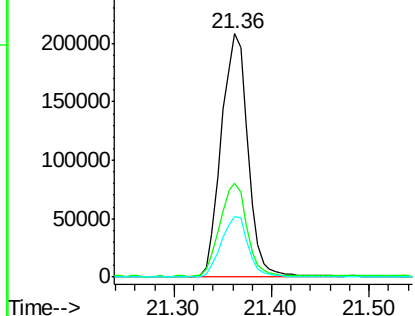
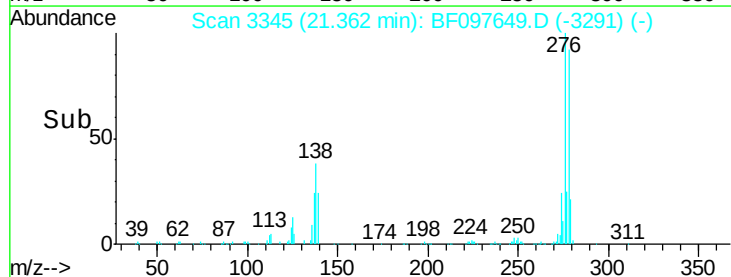


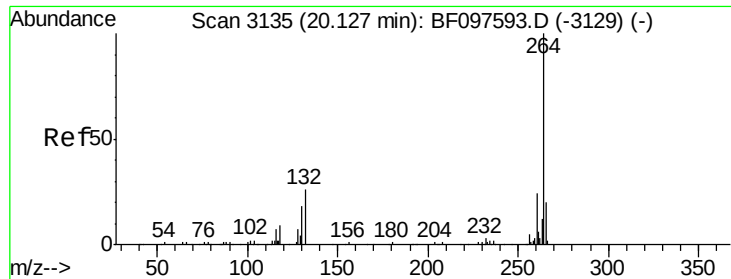
#85
Indeno(1,2,3-cd)pyrene
Concen: 52.06 ng
RT: 21.36 min Scan# 3345
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:276 Resp: 397204
Ion Ratio Lower Upper
276 100
138 38.7 27.8 41.6
277 25.1 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

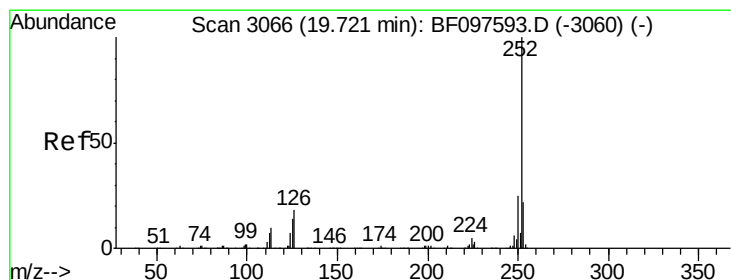
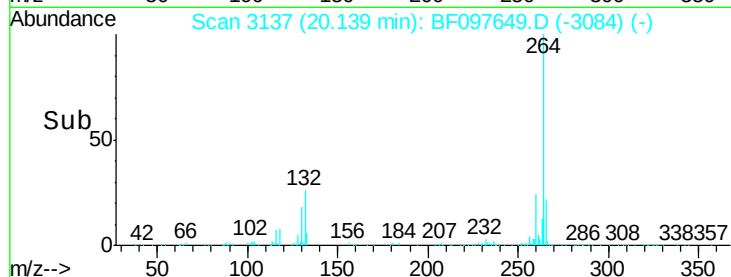
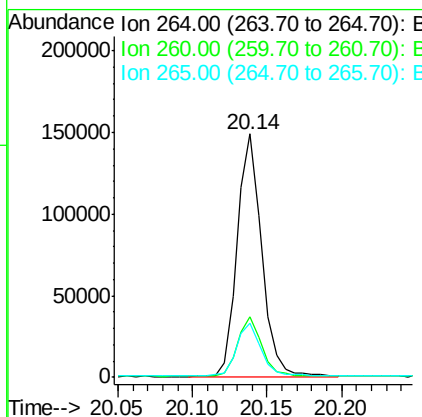
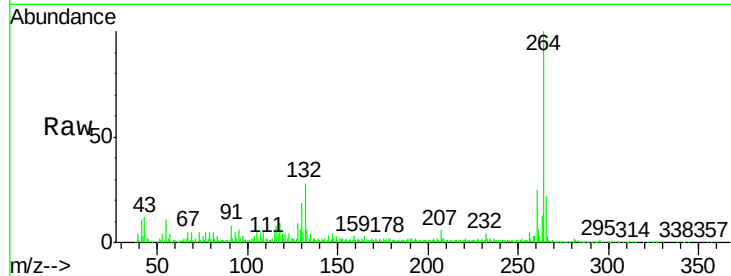




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 3137
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

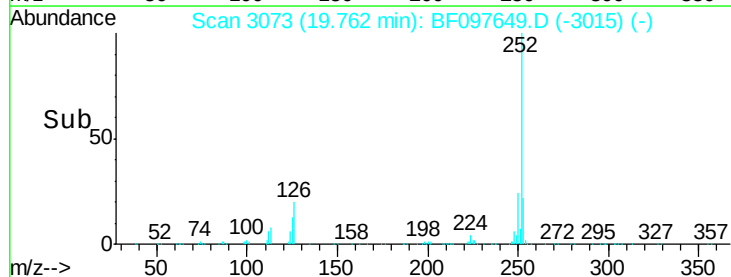
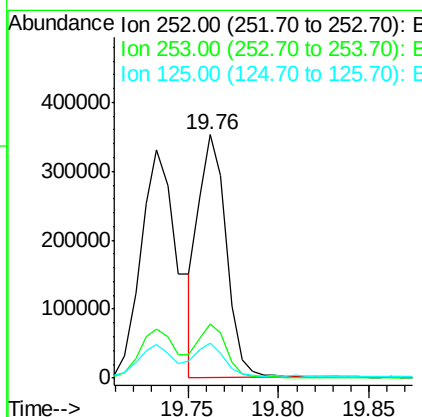
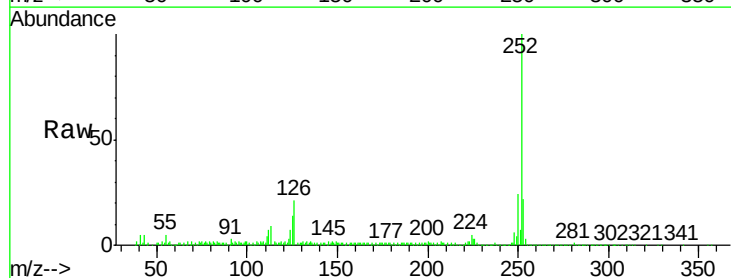
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

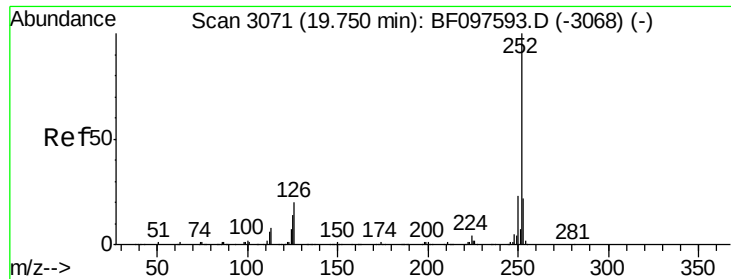
Tot Ion:264 Resp: 170763
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 36.33 ng
RT: 19.76 min Scan# 3073
Delta R.T. 0.04 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:252 Resp: 372491
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 14.2 9.8 14.8

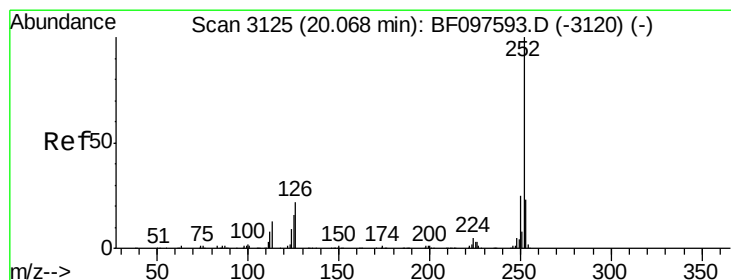
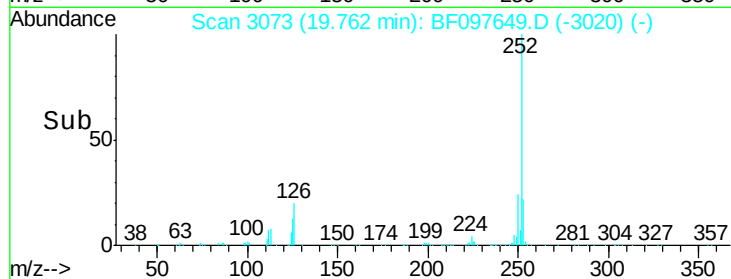
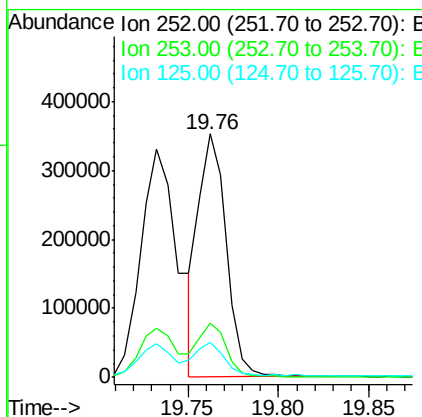
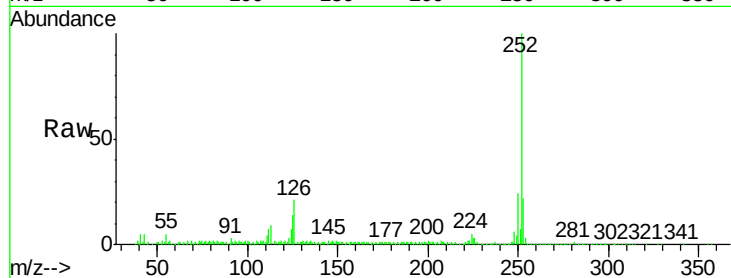




#88
Benzo(k)fluoranthene
Concen: 36.07 ng
RT: 19.76 min Scan# 3073
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

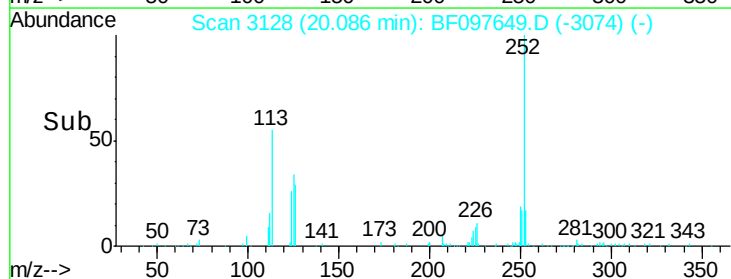
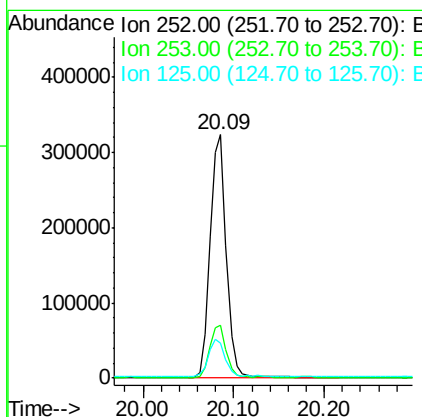
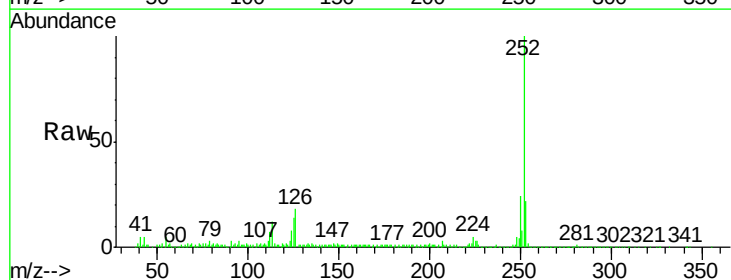
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

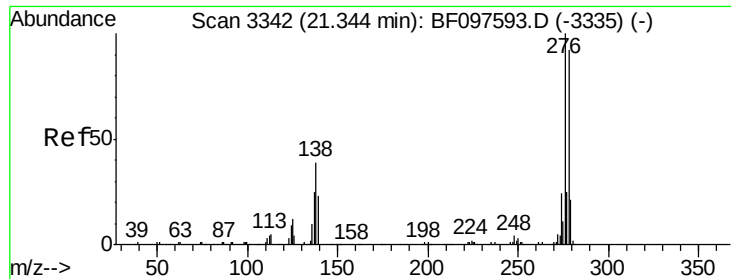
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	14.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 42.80 ng
RT: 20.09 min Scan# 3128
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	14.5	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 49.16 ng

RT: 21.36 min Scan# 3345

Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

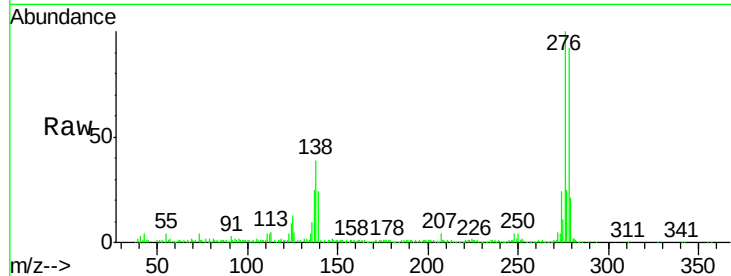
Tot Ion:278 Resp: 331249

Ion Ratio Lower Upper

278 100

139 26.2 16.6 24.8#

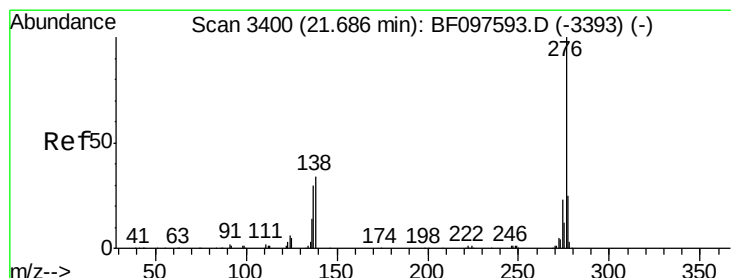
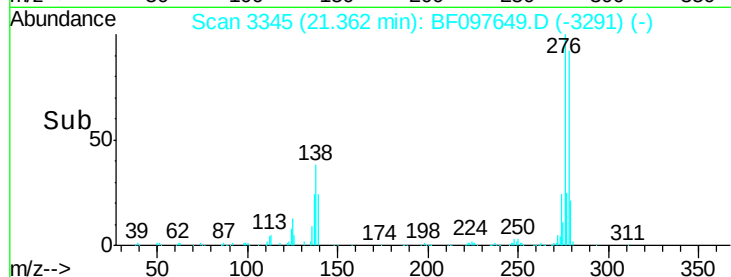
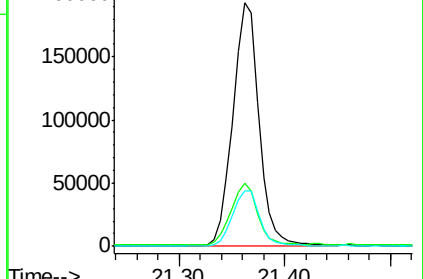
279 22.8 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 46.35 ng

RT: 21.71 min Scan# 3404

Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

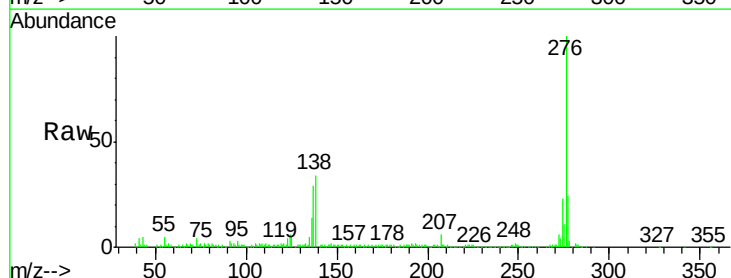
Tgt Ion:276 Resp: 342626

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 33.9 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

