

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091118\
 Data File : BF108947.D
 Acq On : 11 Sep 2018 20:38
 Operator : JU/SJ
 Sample : J4724-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-SUT-4USTS-SB

Quant Time: Sep 12 03:36:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	74697	20.00	ng	0.06
21) Naphthalene-d8	8.05	136	384253	20.00	ng	0.04
38) Acenaphthene-d10	9.77	164	265314	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	450510	20.00	ng	0.00
75) Chrysene-d12	13.87	240	365004	20.00	ng	0.00
86) Perylene-d12	15.28	264	427360	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	353147	78.32	ng	0.01
7) Phenol-d6	6.45	99	45244	7.80	ng	0.08
23) Nitrobenzene-d5	7.34	82	262804	42.80	ng	0.04
41) 2,4,6-Tribromophenol	10.55	330	114234	45.10	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	649834	41.78	ng	0.00
78) Terphenyl-d14	12.82	244	520258	33.24	ng	0.00

Target Compounds

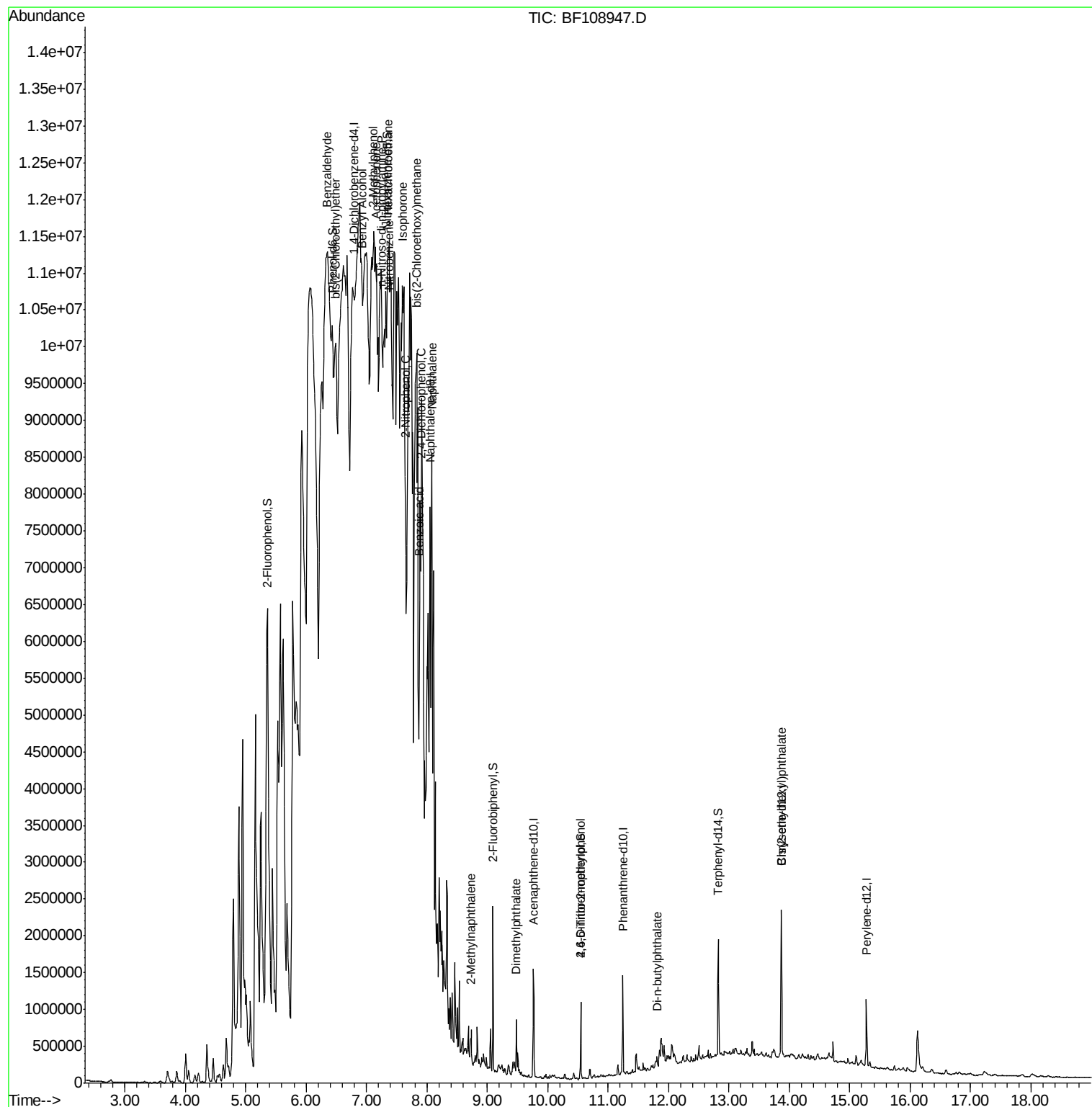
						Qvalue
9) Benzaldehyde	6.35	77	562772	136.739	ng	# 1
11) bis(2-Chloroethyl)ether	6.48	93	34571	6.495	ng	# 1
15) Benzyl Alcohol	6.94	79	76049	17.081	ng	# 52
17) 2-Methylphenol	7.11	107	51955	12.318	ng	# 1
18) Hexachloroethane	7.35	117	725040	353.057	ng	# 1
19) n-Nitroso-di-n-propylamine	7.26	70	424650	105.305	ng	# 63
22) Acetophenone	7.16	105	2237688	256.596	ng	# 82
24) Nitrobenzene	7.37	77	194317	29.495	ng	# 37
25) Isophorone	7.60	82	59262	4.839	ng	# 35
26) 2-Nitrophenol	7.65	139	33101	12.753	ng	# 1
28) bis(2-Chloroethoxy)methane	7.83	93	81846	9.995	ng	# 1
29) 2,4-Dichlorophenol	7.90	162	37288	6.861	ng	# 14
31) Naphthalene	8.08	128	2297606	132.904	ng	# 95
32) Benzoic acid	7.87	122	36940	14.837	ng	# 1
37) 2-Methylnaphthalene	8.74	142	114482	10.024	ng	97
49) Dimethylphthalate	9.48	163	247803	13.354	ng	99
64) 4,6-Dinitro-2-methylphenol	10.55	198	143	6.938	ng	# 1
73) Di-n-butylphthalate	11.81	149	61566	2.556	ng	100
83) Bis(2-ethylhexyl)phthalate	13.87	149	328063	20.640	ng	100

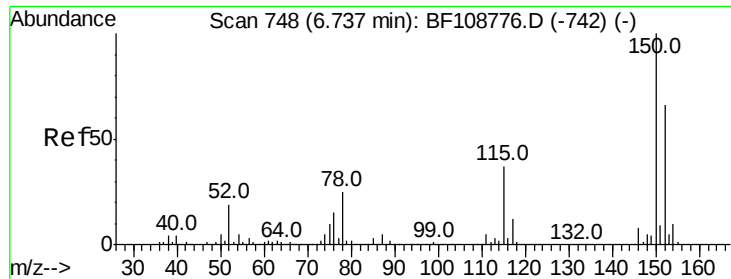
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 759

Delta R.T. 0.06 min

Lab File: BF108947.D

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Instrument :

BNA_F

ClientSampleId :

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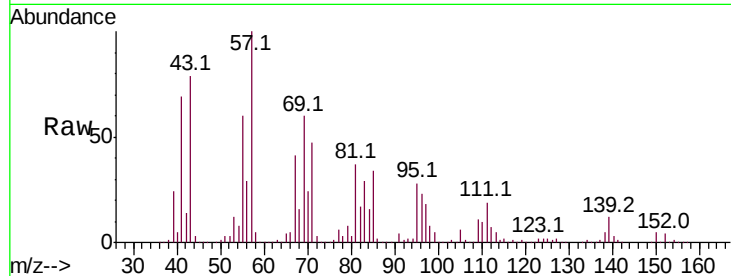
Tot Ion:152 Resp: 74697

Ion Ratio Lower Upper

152 100

150 131.5 124.6 186.8

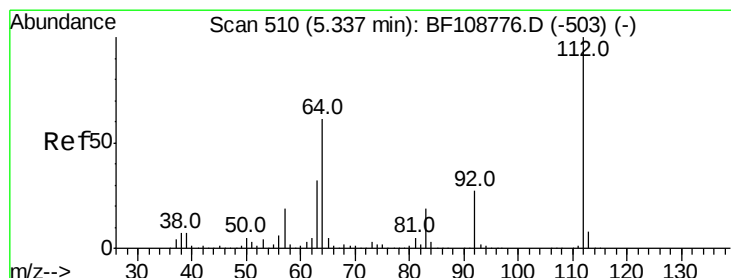
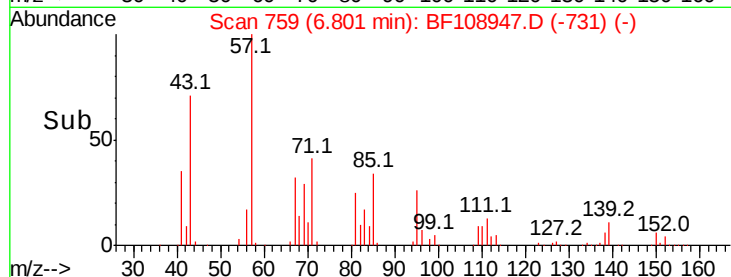
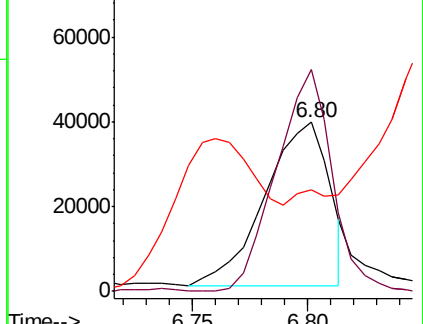
115 60.3 50.1 75.1



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



#5

2-Fluorophenol

Concen: 78.323 ng

RT: 5.35 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

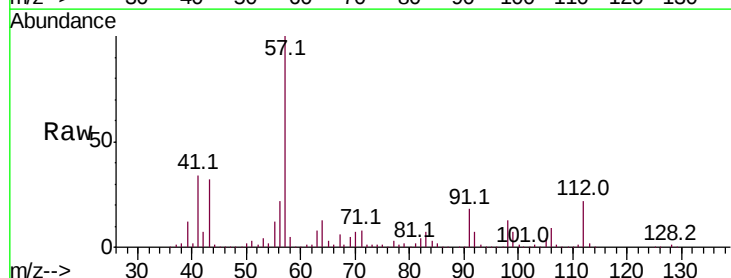
Tgt Ion:112 Resp: 353147

Ion Ratio Lower Upper

112 100

64 60.3 47.9 71.9

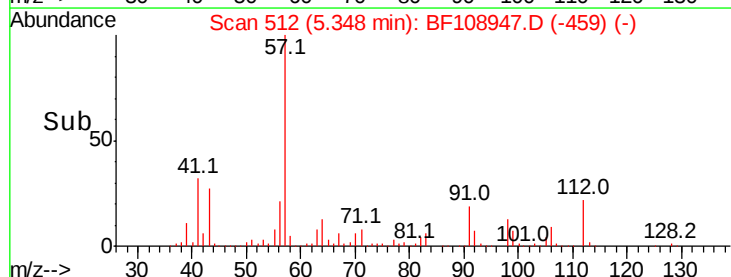
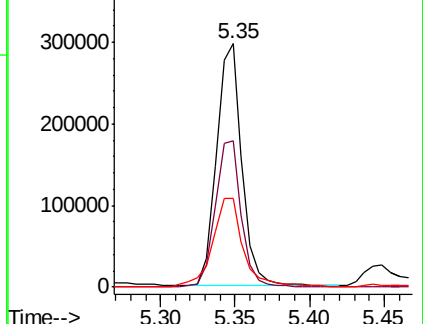
63 36.7 23.7 35.5#

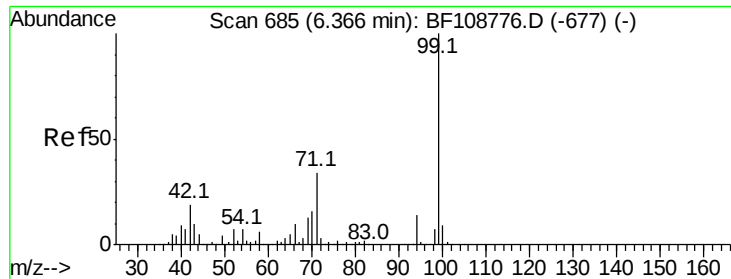


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 7.799 ng

RT: 6.45 min Scan# 699

Delta R.T. 0.08 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

Instrument :

BNA_F

ClientSampleId :

EP1-SUT-4USTS-SB

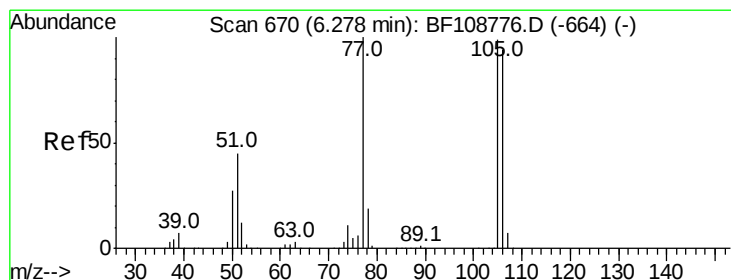
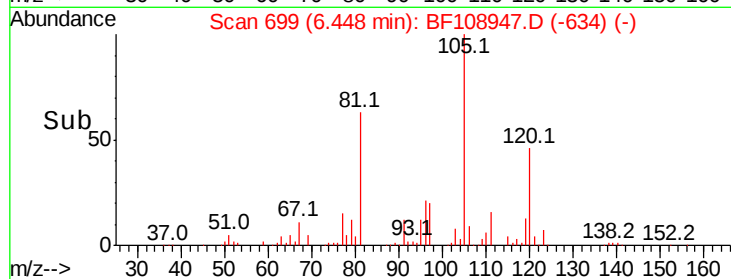
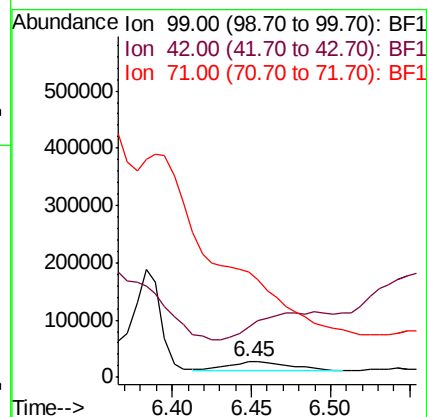
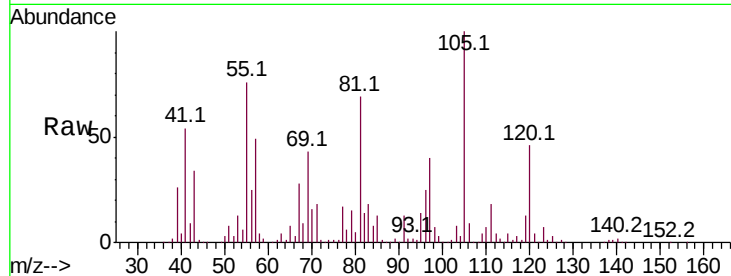
Tot Ion: 99 Resp: 45244

Ion Ratio Lower Upper

99 100

42 323.1 14.5 21.7#

71 670.1 25.4 38.0#



#9

Benzaldehyde

Concen: 136.739 ng

RT: 6.35 min Scan# 682

Delta R.T. 0.07 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

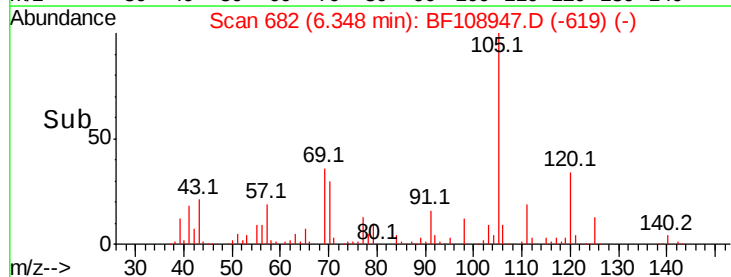
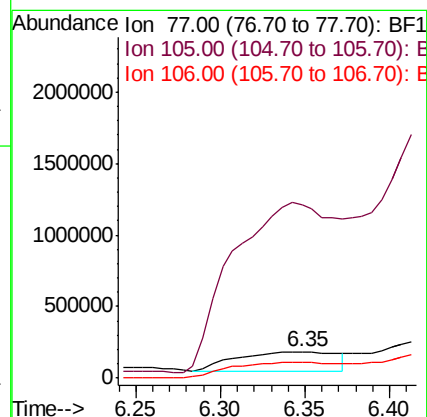
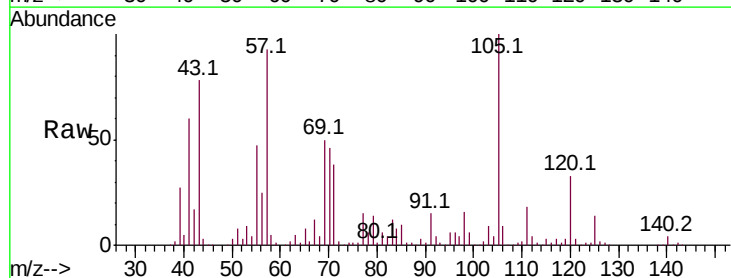
Tgt Ion: 77 Resp: 562772

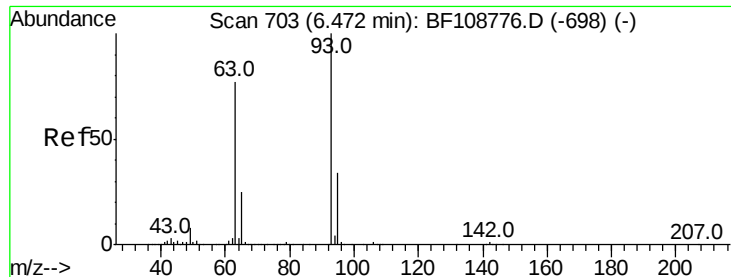
Ion Ratio Lower Upper

77 100

105 656.7 81.1 121.1#

106 59.5 74.5 114.5#

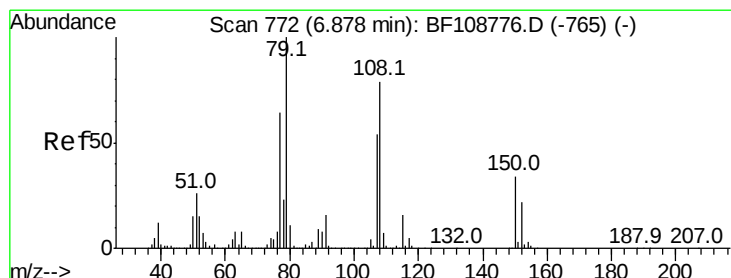
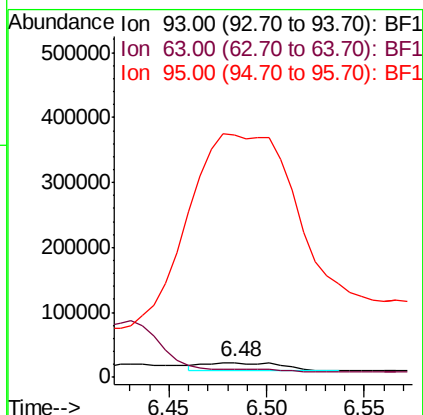
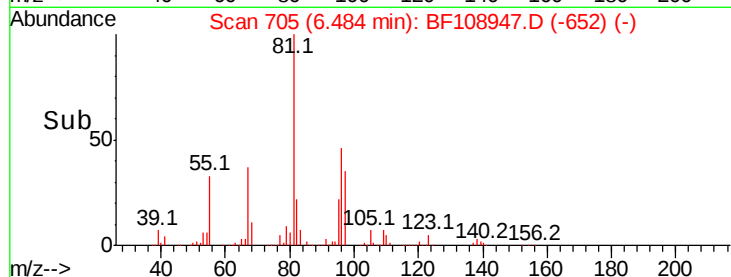
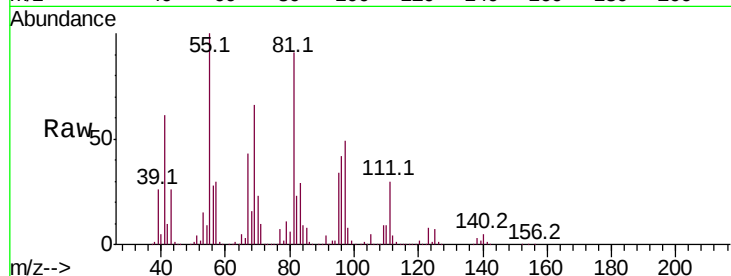




#11
bis(2-Chloroethyl)ether
Concen: 6.495 ng
RT: 6.48 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

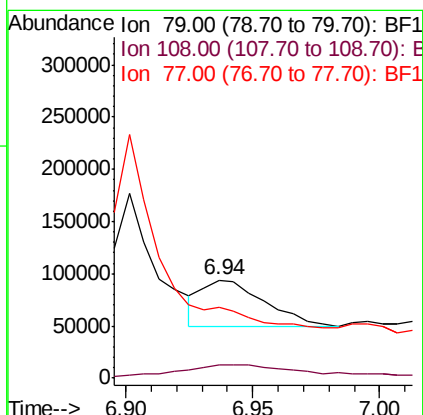
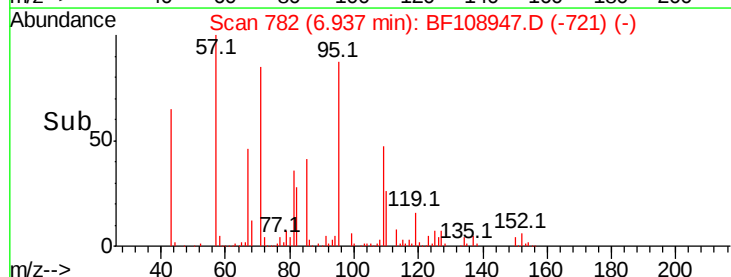
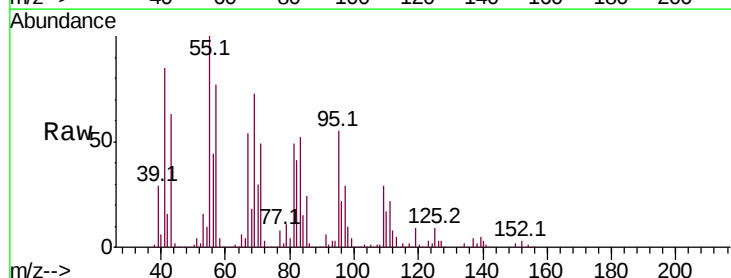
Instrument :
BNA_F
ClientSampleId :
EP1-SUT-4USTS-SB

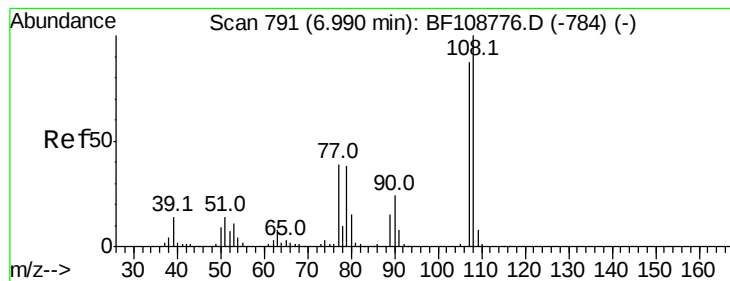
Tot Ion: 93 Resp: 34571
Ion Ratio Lower Upper
93 100
63 54.7 58.6 98.6#
95 1634.0 11.8 51.8#



#15
Benzyl Alcohol
Concen: 17.081 ng
RT: 6.94 min Scan# 782
Delta R.T. 0.06 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

Tgt Ion: 79 Resp: 76049
Ion Ratio Lower Upper
79 100
108 13.5 65.1 97.7#
77 72.0 50.6 75.8





#17

2-Methylphenol

Concen: 12.318 ng

RT: 7.11 min Scan# 811

Delta R.T. 0.12 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

Instrument :

BNA_F

ClientSampleId :

EP1-SUT-4USTS-SB

Tot Ion:107 Resp: 51955

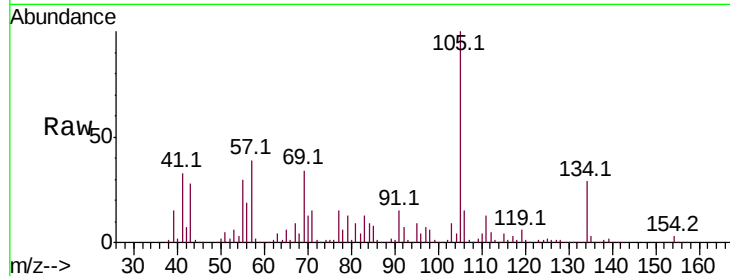
Ion Ratio Lower Upper

107 100

108 13.6 91.7 137.5#

77 1542.4 33.8 50.8#

79 1328.3 33.8 50.8#

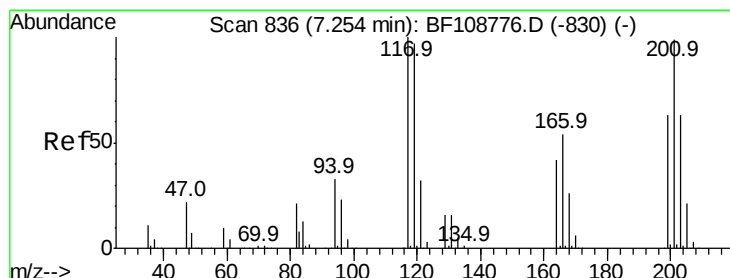
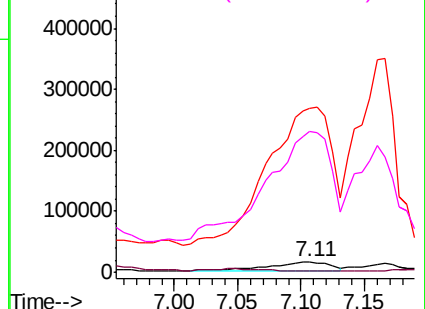
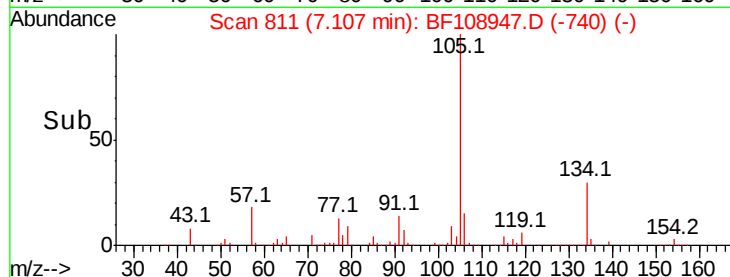


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 353.057 ng

RT: 7.35 min Scan# 852

Delta R.T. 0.09 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

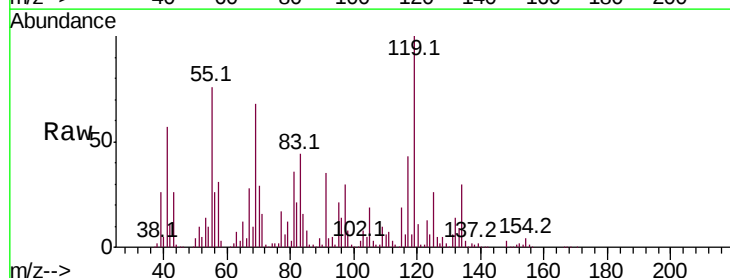
Tgt Ion:117 Resp: 725040

Ion Ratio Lower Upper

117 100

119 233.4 75.8 113.8#

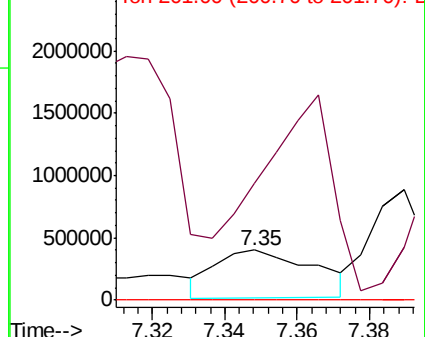
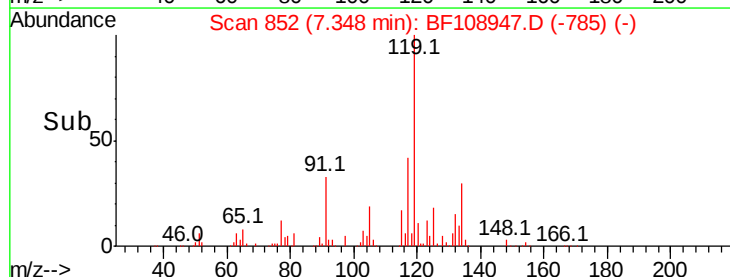
201 0.0 75.7 113.5#

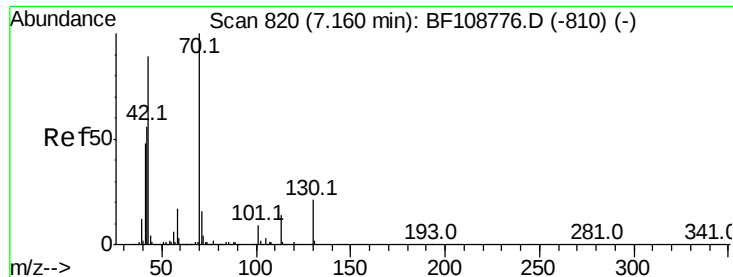


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

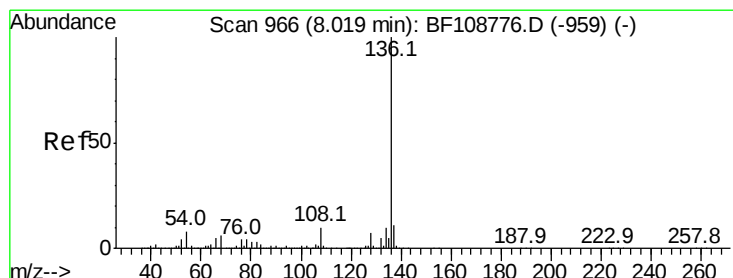
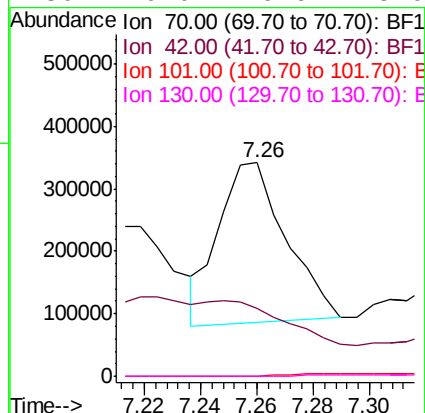
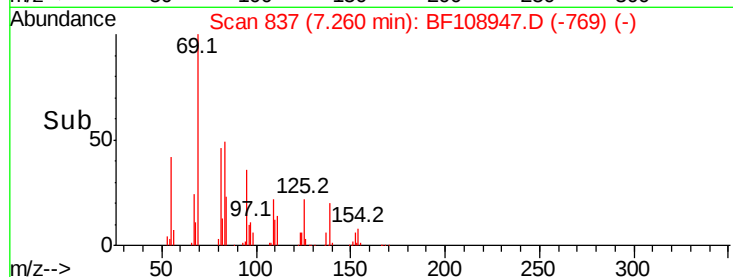
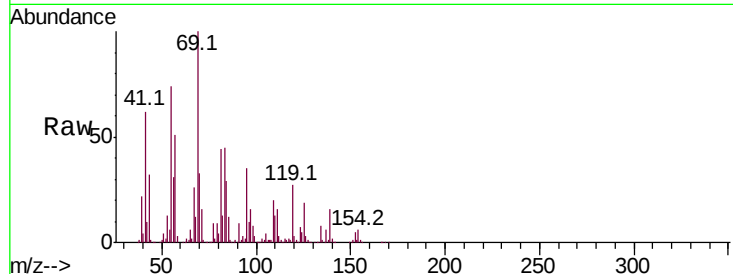




#19
n-Nitroso-di-n-propylamine
Concen: 105.305 ng
RT: 7.26 min Scan# 837
Delta R.T. 0.10 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

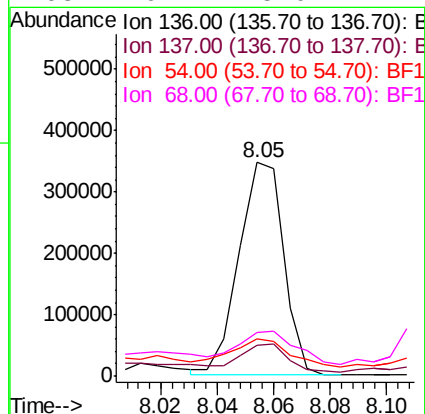
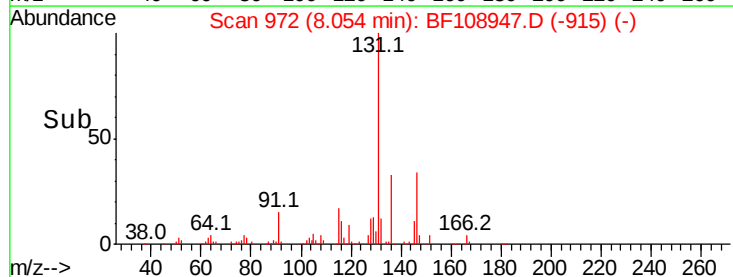
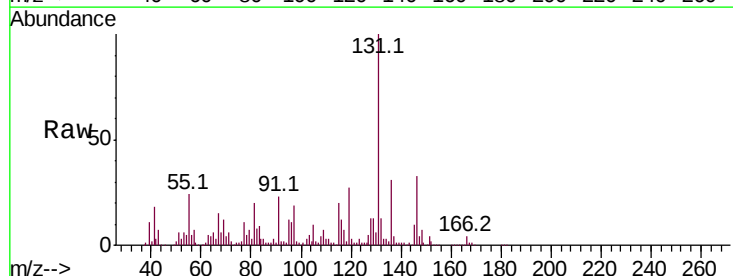
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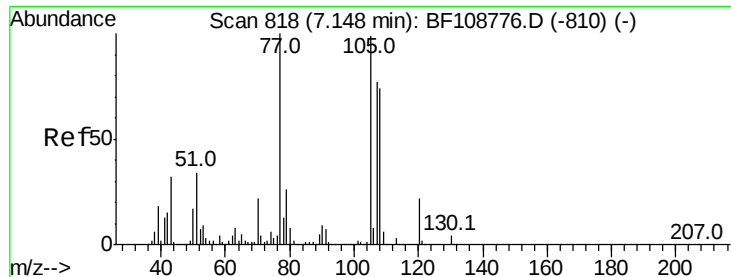
Tot Ion:	70	Resp:	424650
Ion	Ratio	Lower	Upper
70	100		
42	32.0	47.5	71.3#
101	0.2	7.4	11.2#
130	0.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 972
Delta R.T. 0.04 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

Tgt Ion:	136	Resp:	384253
Ion	Ratio	Lower	Upper
136	100		
137	14.2	8.9	13.3#
54	17.4	6.6	9.8#
68	20.2	5.0	7.4#





#22

Acetophenone

Concen: 256.596 ng

RT: 7.16 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

Instrument :

BNA_F

ClientSampleId :

EP1-SUT-4USTS-SB

Tot Ion:105 Resp: 2237688

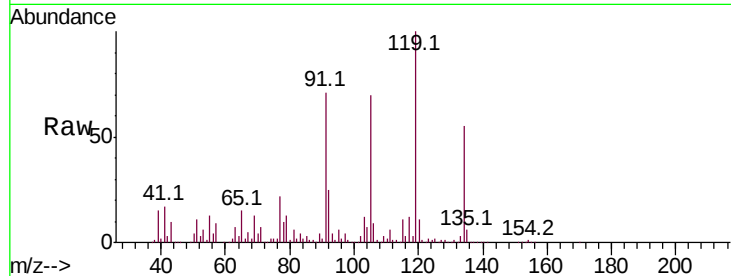
Ion Ratio Lower Upper

105 100

71 10.2 4.4 6.6#

51 15.2 22.3 33.5#

120 15.5 16.9 25.3#

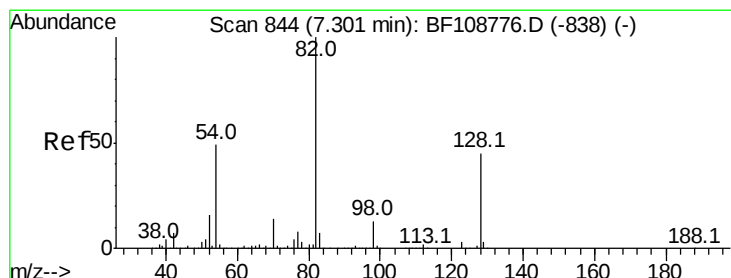
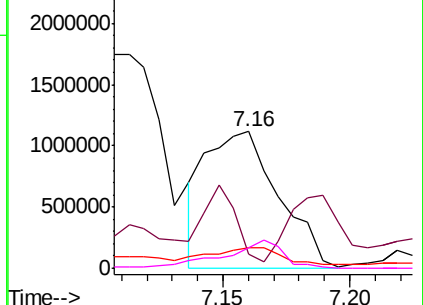
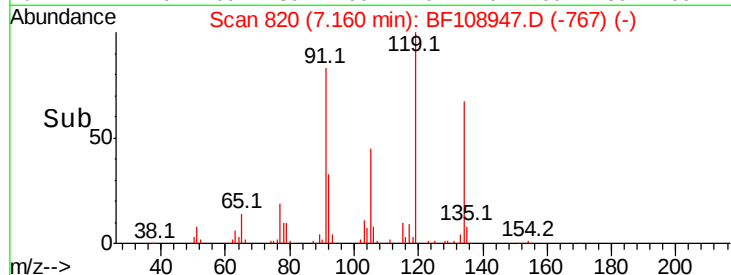


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 42.801 ng

RT: 7.34 min Scan# 851

Delta R.T. 0.04 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

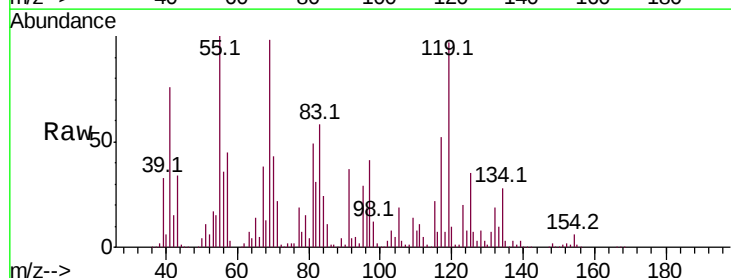
Tgt Ion: 82 Resp: 262804

Ion Ratio Lower Upper

82 100

128 25.8 36.1 54.1#

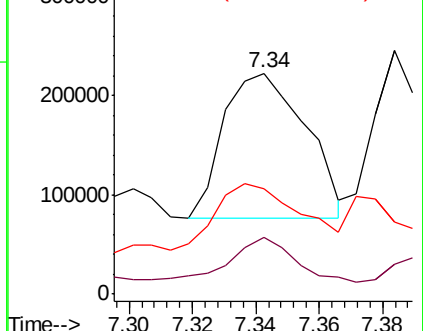
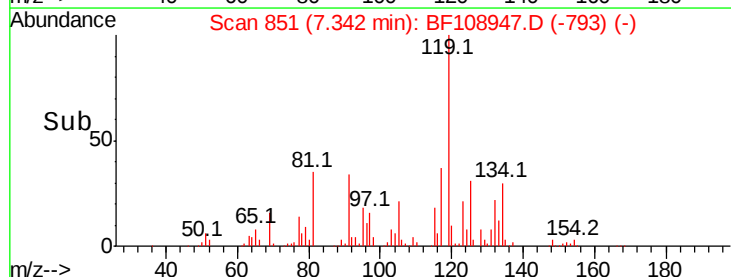
54 47.6 41.4 62.2

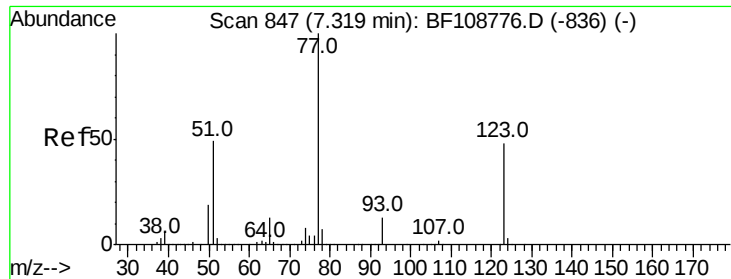


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

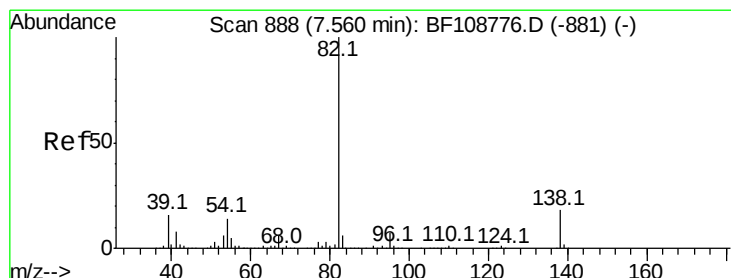
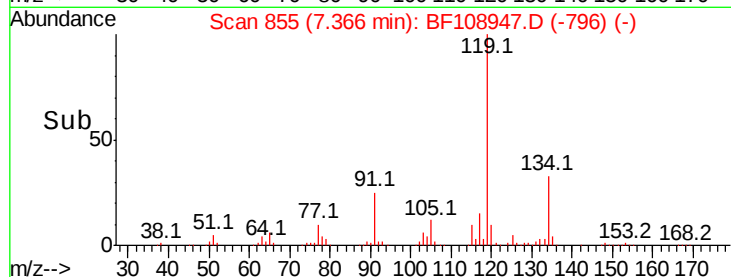
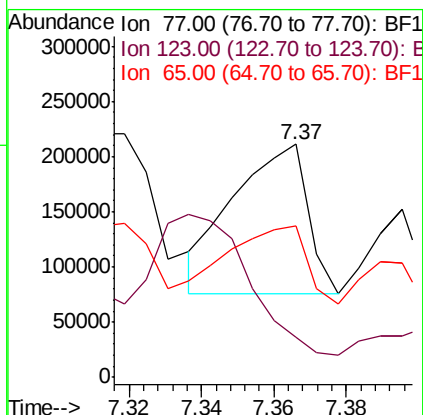
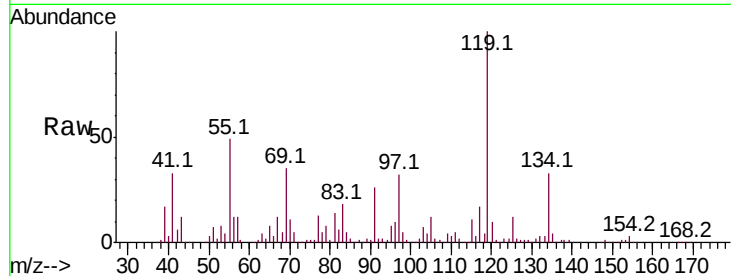




#24
Nitrobenzene
Concen: 29.495 ng
RT: 7.37 min Scan# 855
Delta R.T. 0.05 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

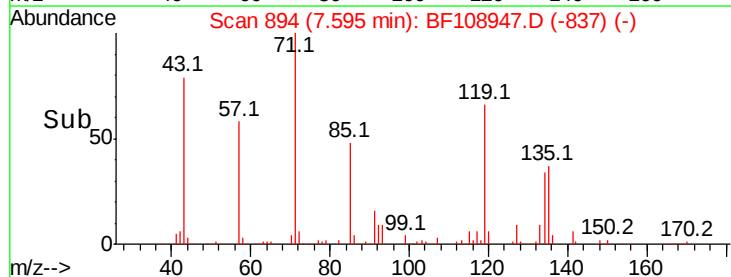
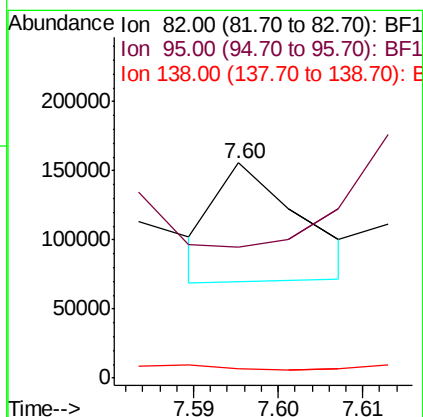
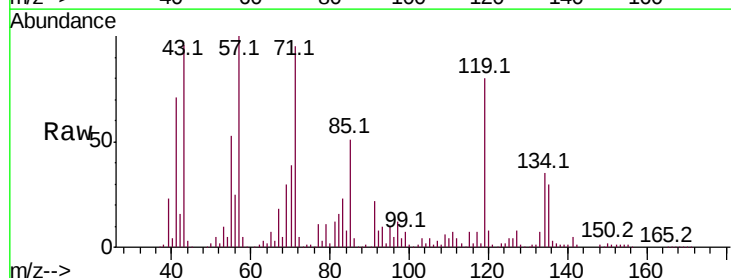
Instrument :
BNA_F
ClientSampleId :
EP1-SUT-4USTS-SB

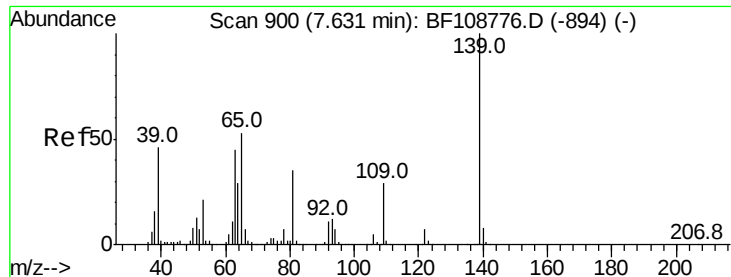
Tot Ion: 77 Resp: 194317
Ion Ratio Lower Upper
77 100
123 17.2 37.9 56.9#
65 65.0 11.0 16.4#



#25
Isophorone
Concen: 4.839 ng
RT: 7.60 min Scan# 894
Delta R.T. 0.04 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

Tgt Ion: 82 Resp: 59262
Ion Ratio Lower Upper
82 100
95 60.8 5.2 7.8#
138 4.3 14.9 22.3#

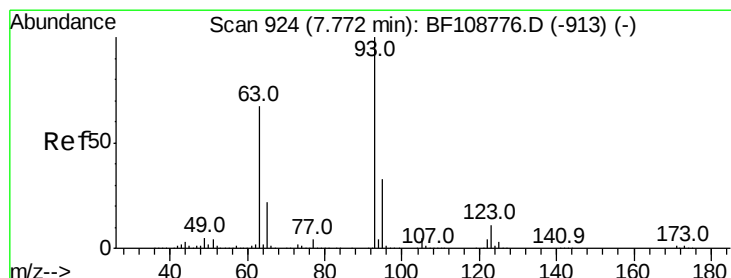
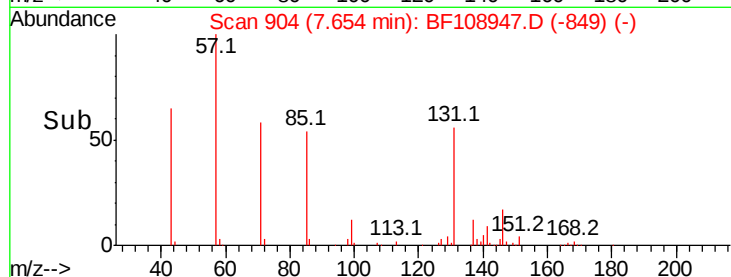
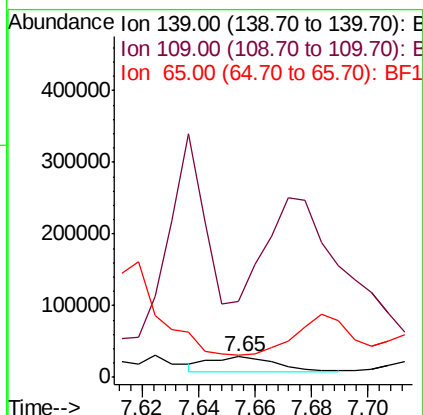
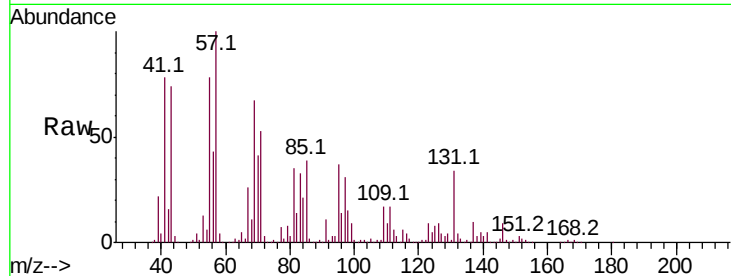




#26
2-Nitrophenol
Concen: 12.753 ng
RT: 7.65 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

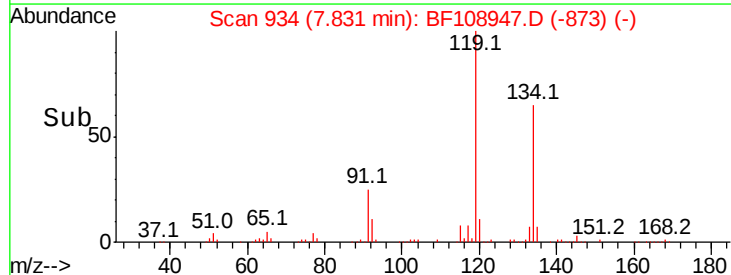
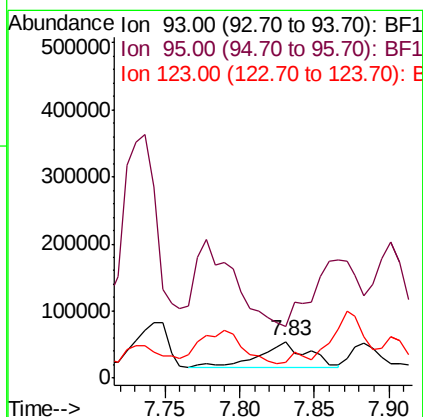
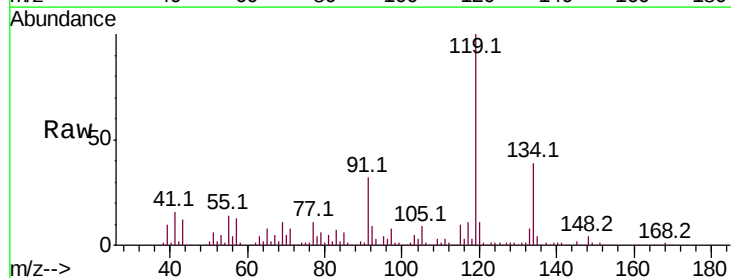
Instrument :
BNA_F
ClientSampleId :
EP1-SUT-4USTS-SB

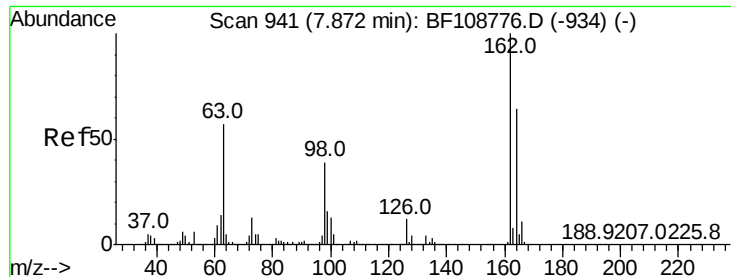
Tot Ion:139 Resp: 33101
Ion Ratio Lower Upper
139 100
109 369.6 22.7 34.1#
65 107.6 40.5 60.7#



#28
bis(2-Chloroethoxy)methane
Concen: 9.995 ng
RT: 7.83 min Scan# 934
Delta R.T. 0.06 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

Tgt Ion: 93 Resp: 81846
Ion Ratio Lower Upper
93 100
95 142.5 26.3 39.5#
123 44.5 9.8 14.6#

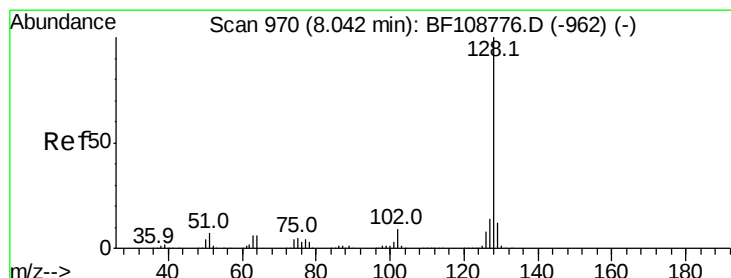
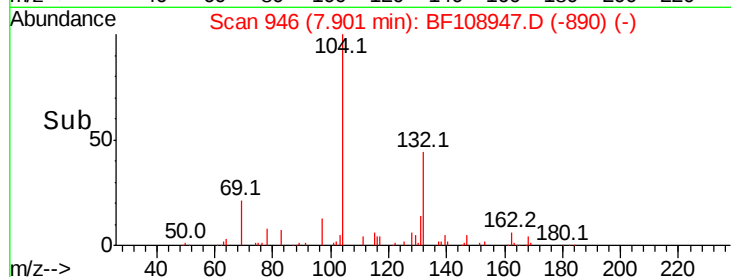
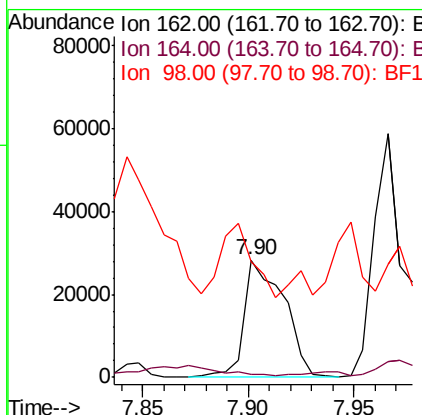
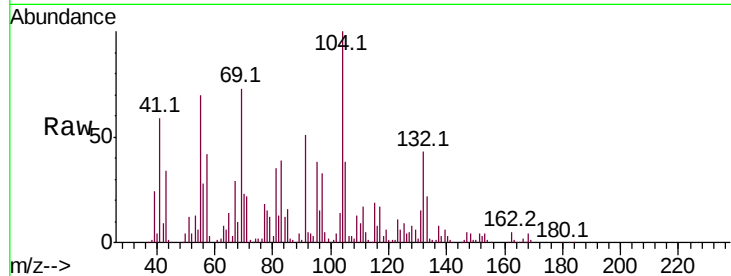




#29
2,4-Dichlorophenol
Concen: 6.861 ng
RT: 7.90 min Scan# 946
Delta R.T. 0.03 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

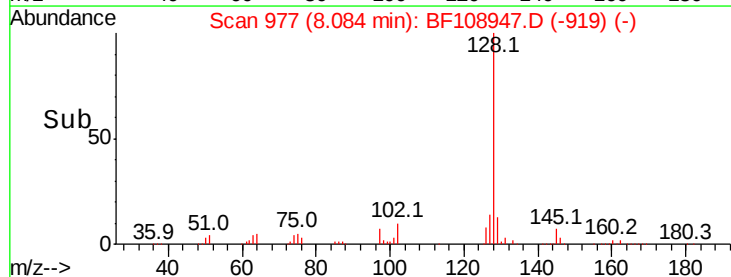
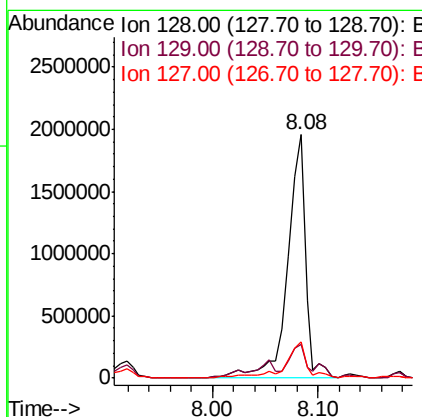
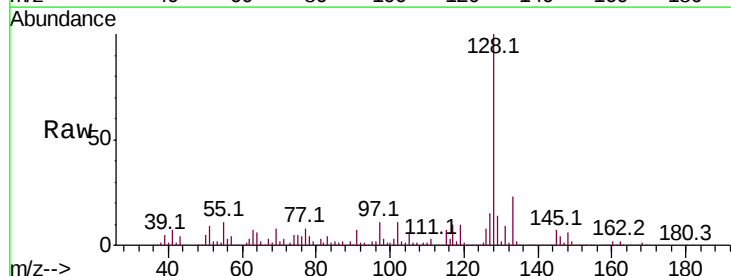
Instrument :
BNA_F
ClientSampleId :
EP1-SUT-4USTS-SB

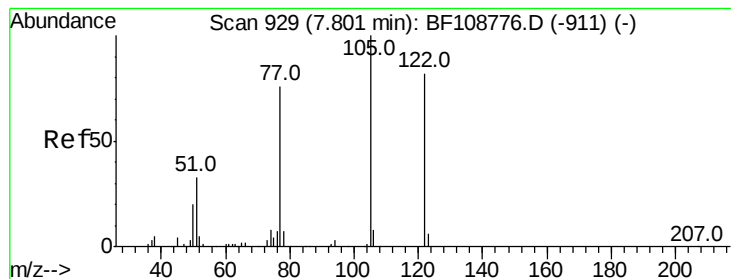
Tot Ion	Ratio	Lower	Upper
162	100		
164	3.0	42.7	82.7#
98	98.7	18.1	58.1#



#31
Naphthalene
Concen: 132.904 ng
RT: 8.08 min Scan# 977
Delta R.T. 0.04 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.8	8.8	13.2#
127	14.7	10.9	16.3





#32

Benzoic acid

Concen: 14.837 ng

RT: 7.87 min Scan# 941

Delta R.T. 0.07 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

Instrument :

BNA_F

ClientSampleId :

EP1-SUT-4USTS-SB

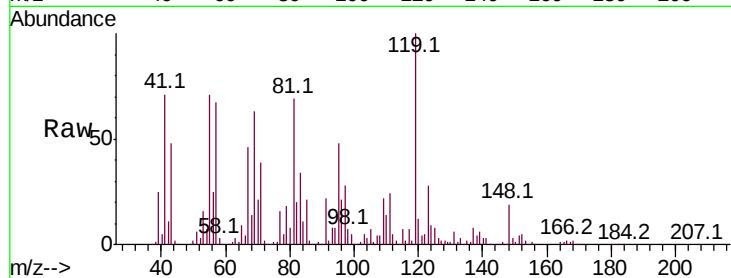
Tot Ion:122 Resp: 36940

Ion Ratio Lower Upper

122 100

105 136.0 101.1 141.1

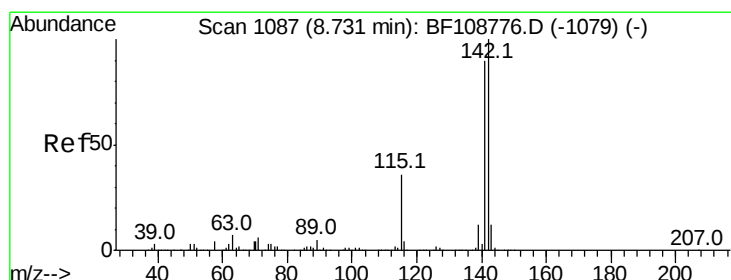
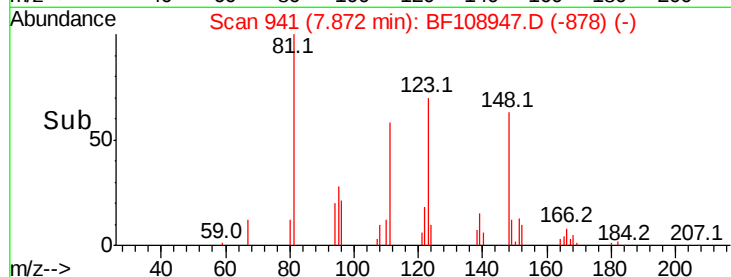
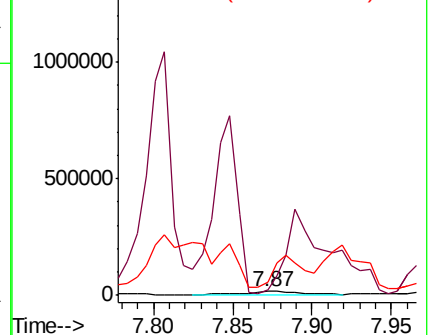
77 333.1 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#37

2-Methylnaphthalene

Concen: 10.024 ng

RT: 8.74 min Scan# 1088

Delta R.T. 0.01 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

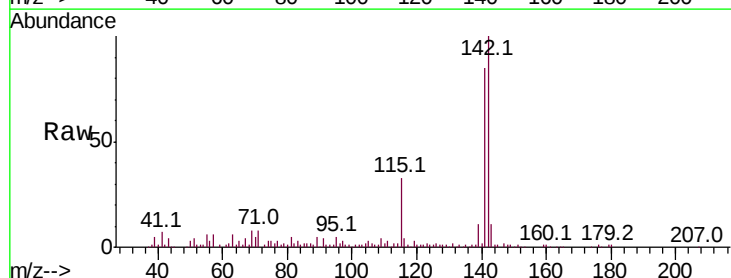
Tgt Ion:142 Resp: 114482

Ion Ratio Lower Upper

142 100

141 85.0 70.8 106.2

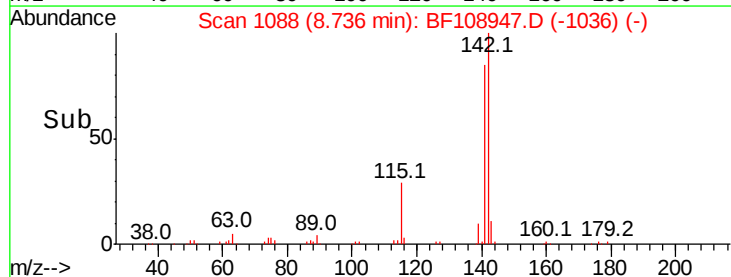
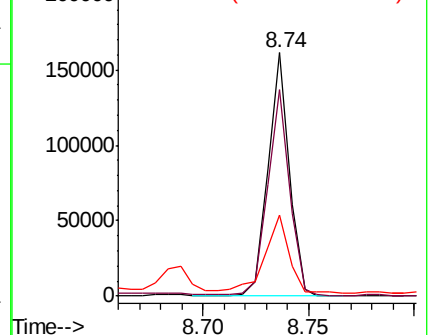
115 33.5 26.1 39.1

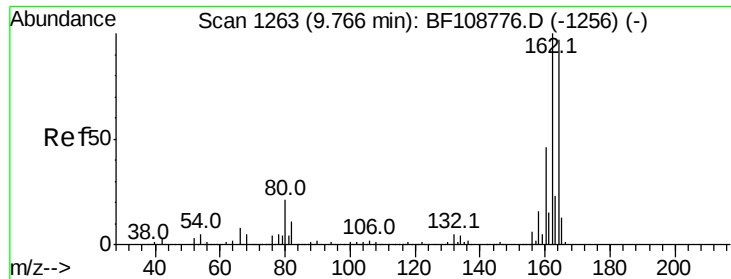


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

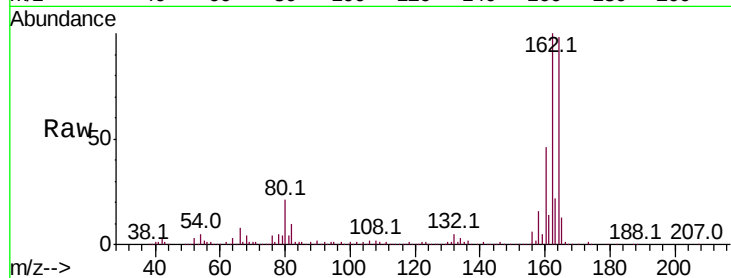




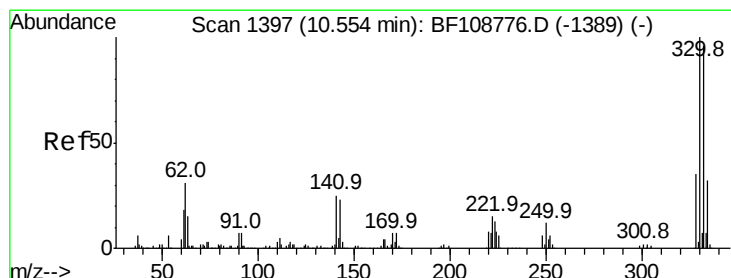
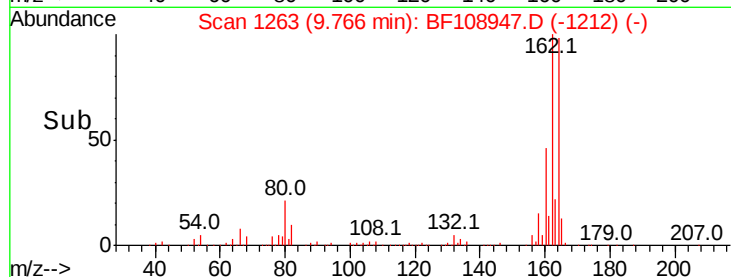
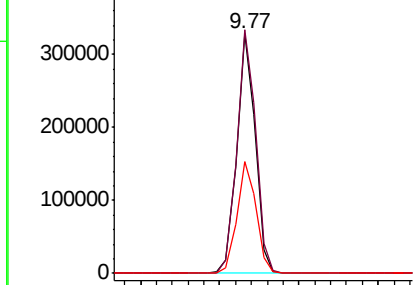
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108947.D
 Acq: 11 Sep 2018 20:38

Instrument :
 BNA_F
 ClientSampleId :
 EP1-SUT-4USTS-SB

Tot Ion:164 Resp: 265314
 Ion Ratio Lower Upper
 164 100
 162 101.7 86.1 129.1
 160 46.5 38.3 57.5

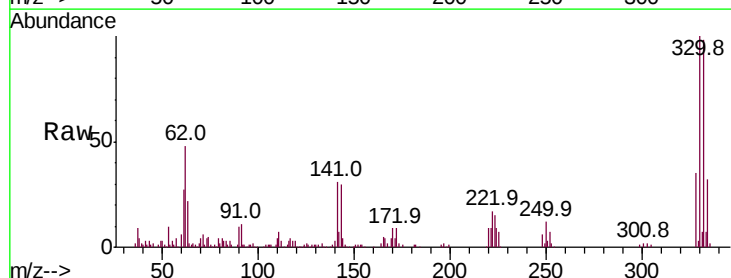


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

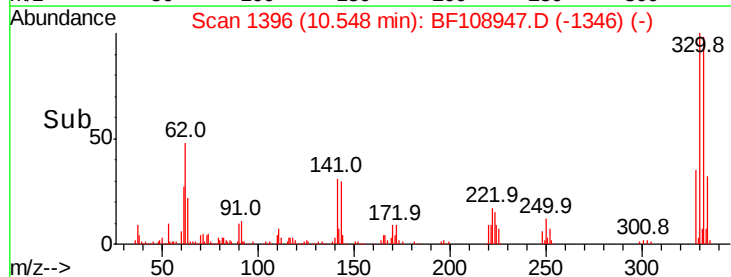
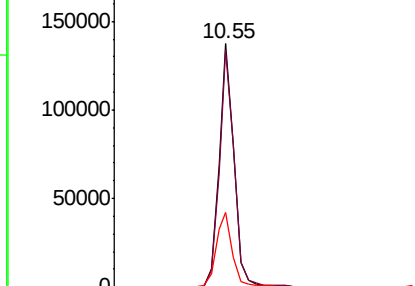


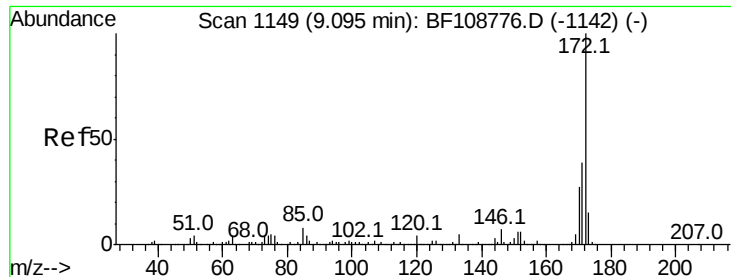
#41
 2,4,6-Tribromophenol
 Concen: 45.102 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108947.D
 Acq: 11 Sep 2018 20:38

Tgt Ion:330 Resp: 114234
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 34.7 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

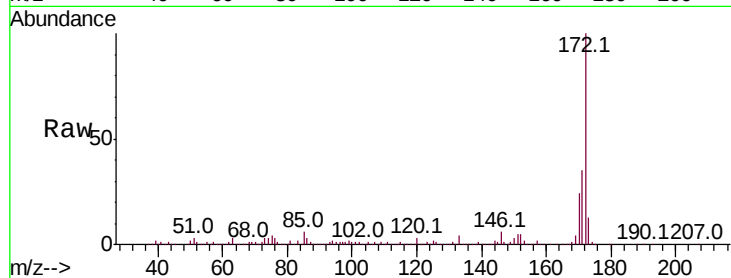




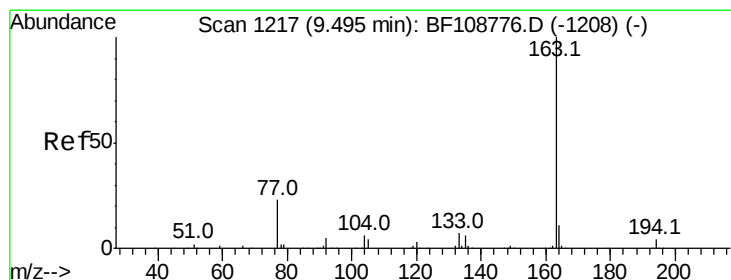
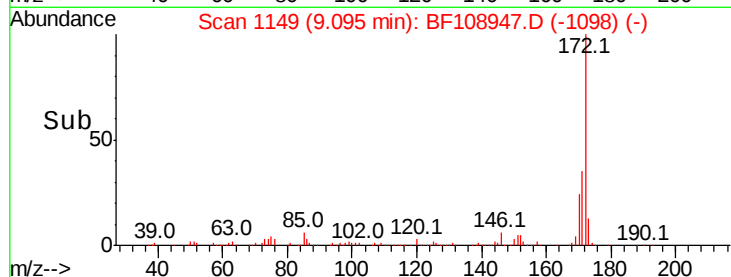
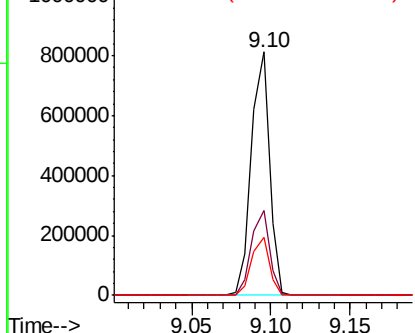
#44
2-Fluorobiphenyl
Concen: 41.785 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

Instrument :
BNA_F
ClientSampleId :
EP1-SUT-4USTS-SB

Tot Ion:172 Resp: 649834
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.9 19.6 29.4

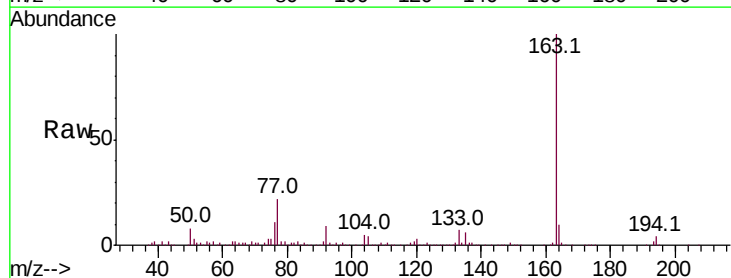


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

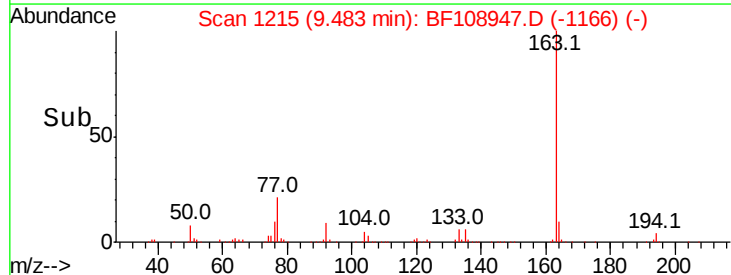
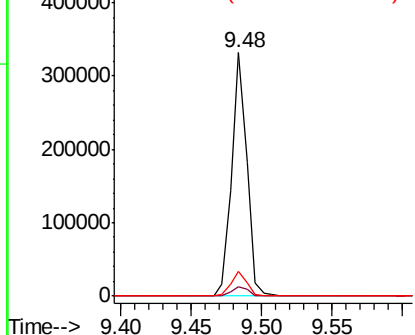


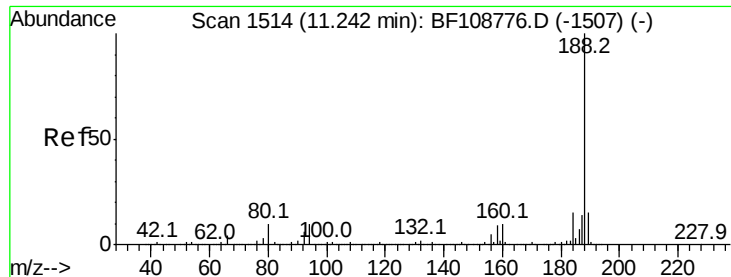
#49
Dimethylphthalate
Concen: 13.354 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

Tgt Ion:163 Resp: 247803
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.9 8.2 12.2



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

Instrument :

BNA_F

ClientSampleId :

EP1-SUT-4USTS-SB

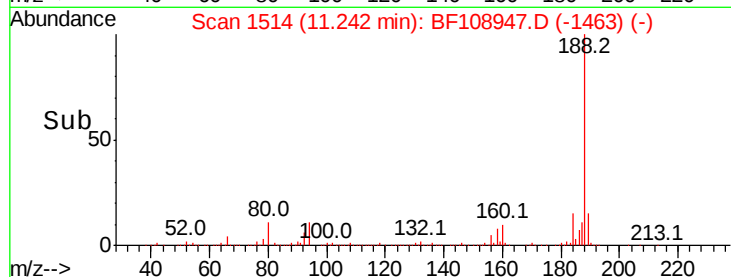
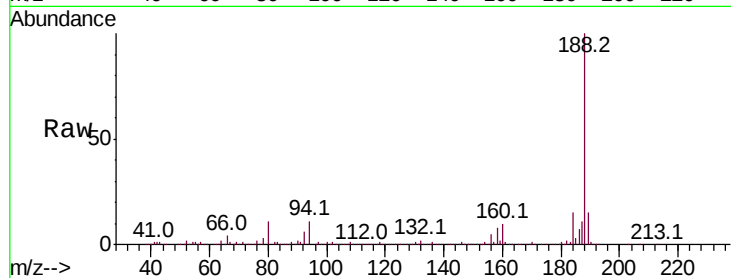
Tot Ion:188 Resp: 450510

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

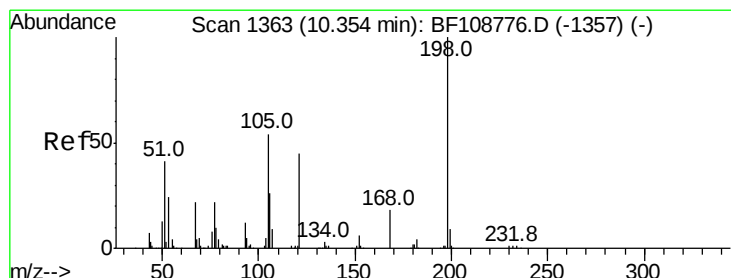
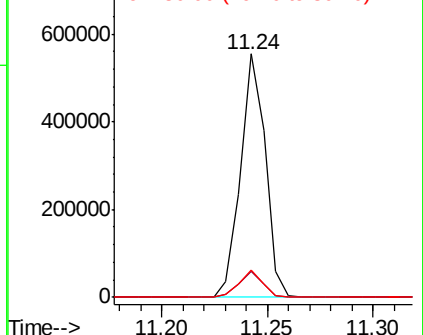
80 11.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 6.938 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.19 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

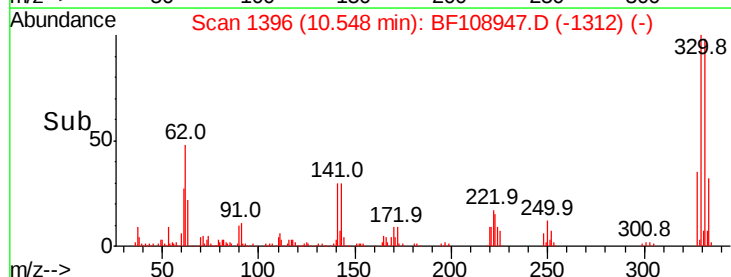
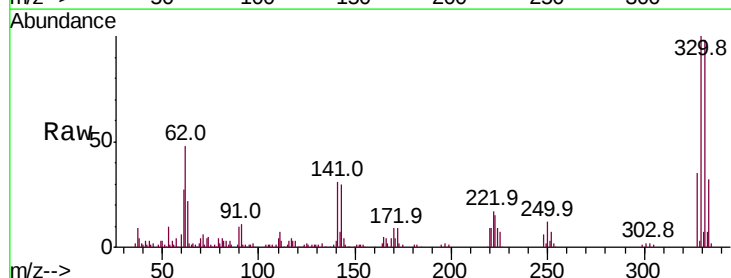
Tgt Ion:198 Resp: 143

Ion Ratio Lower Upper

198 100

51 174.5 37.7 77.7#

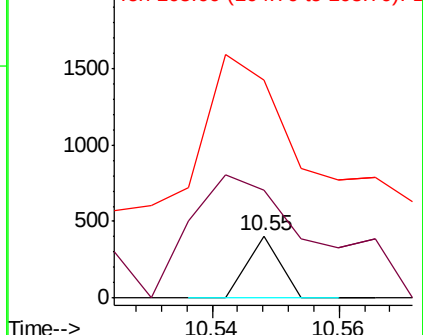
105 352.0 36.3 76.3#

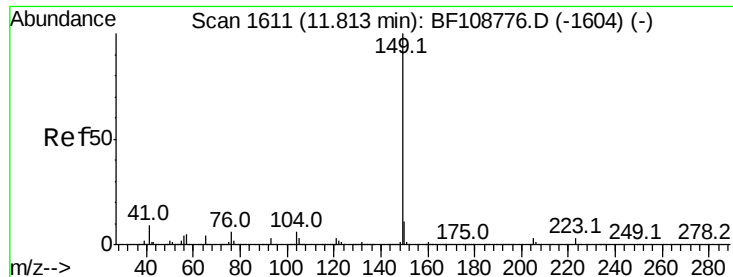


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#73

Di-n-butylphthalate

Concen: 2.556 ng

RT: 11.81 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

Instrument :

BNA_F

ClientSampleId :

EP1-SUT-4USTS-SB

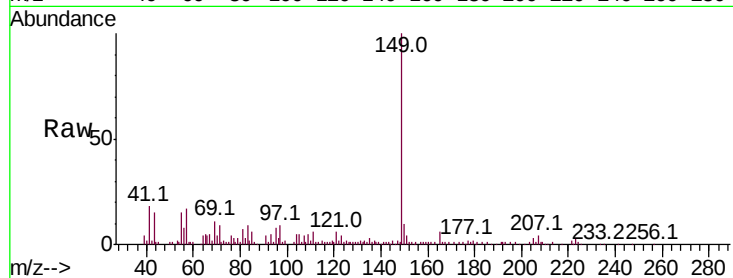
Tot Ion:149 Resp: 61566

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

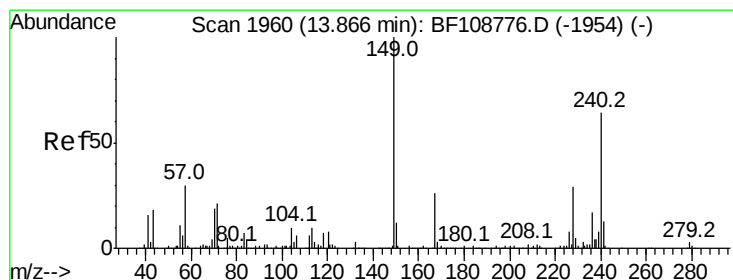
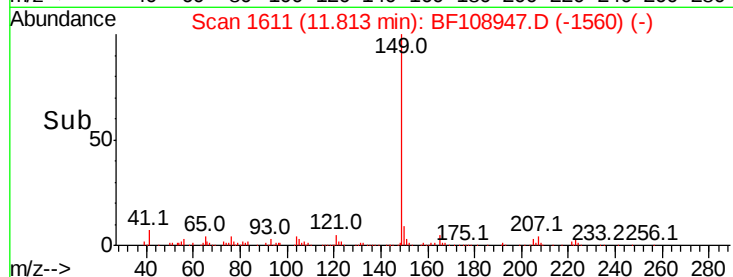
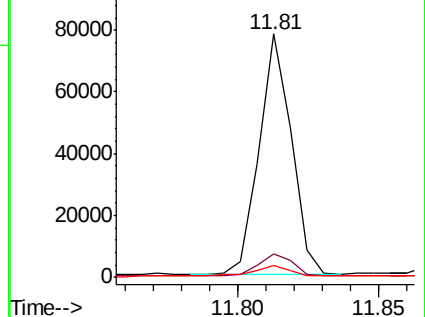
104 4.7 3.8 5.8



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

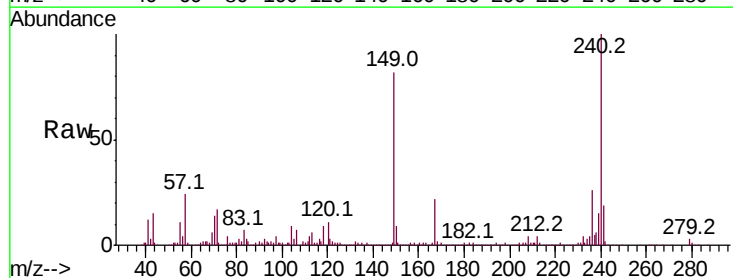
Tgt Ion:240 Resp: 365004

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

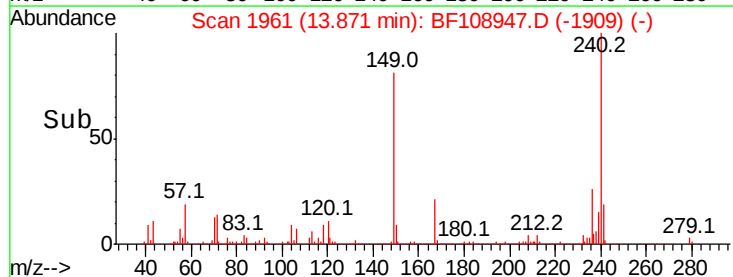
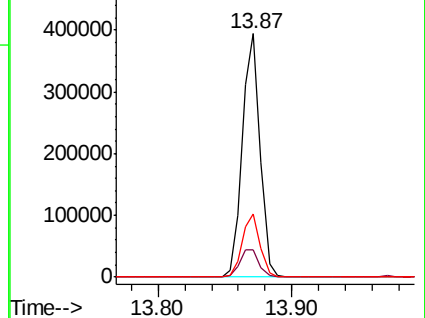
236 26.0 20.7 31.1

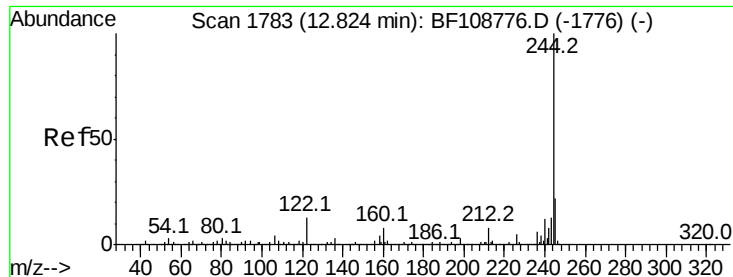


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 33.238 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

Instrument :

BNA_F

ClientSampleId :

EP1-SUT-4USTS-SB

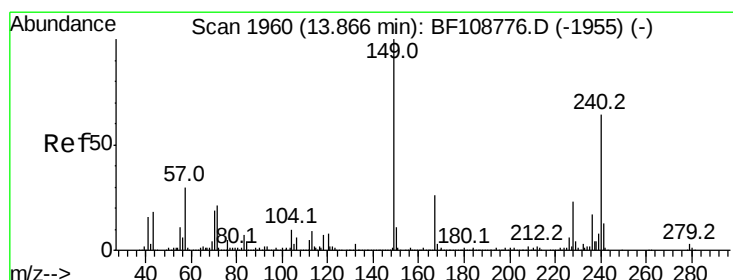
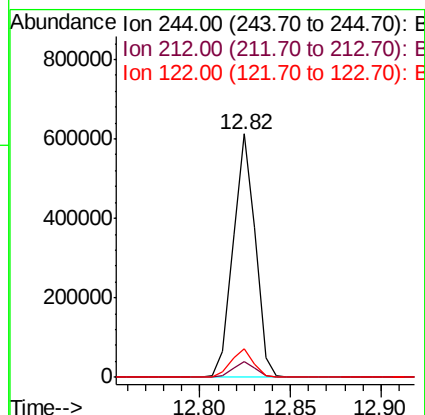
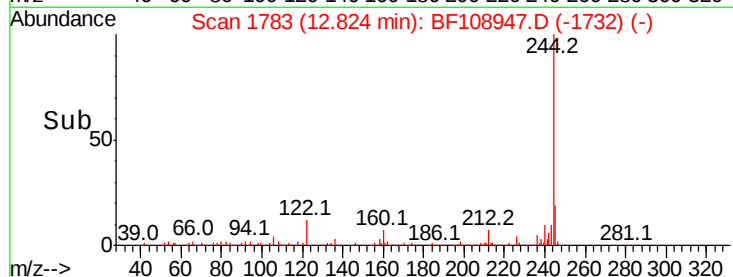
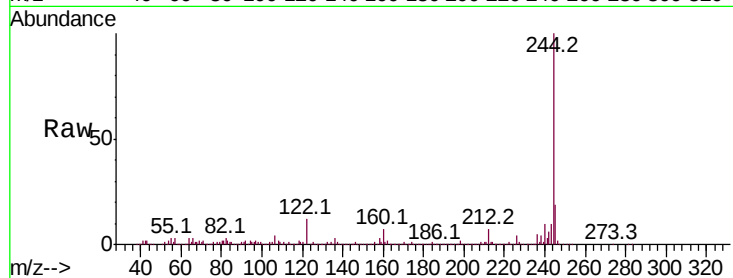
Tot Ion:244 Resp: 520258

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 11.9 11.0 16.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 20.640 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108947.D

Acq: 11 Sep 2018 20:38

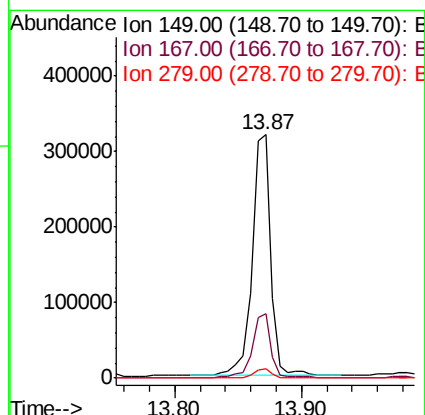
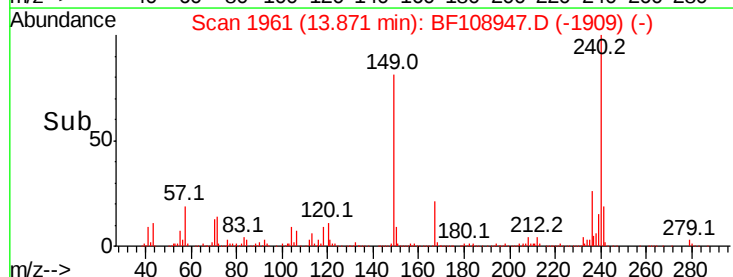
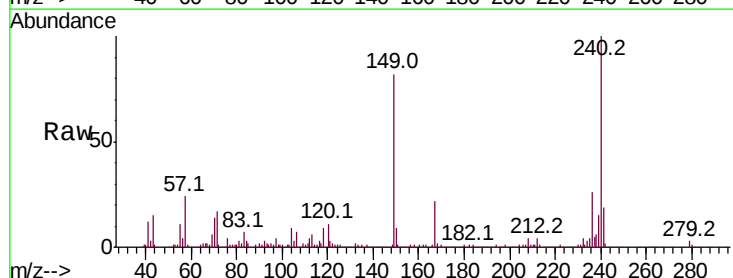
Tgt Ion:149 Resp: 328063

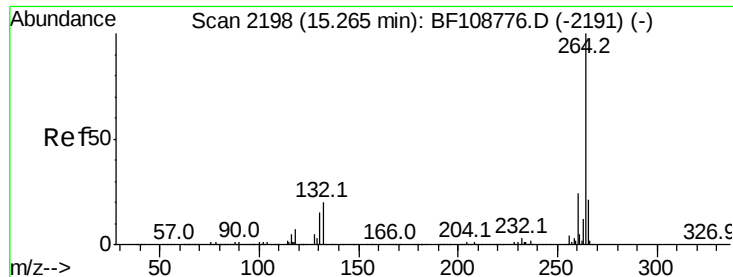
Ion Ratio Lower Upper

149 100

167 26.7 21.3 31.9

279 4.1 3.0 4.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BF108947.D
Acq: 11 Sep 2018 20:38

Instrument :
BNA_F
ClientSampleId :
EP1-SUT-4USTS-SB

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.3	17.5	26.3

