

Data File : BF118645.D
Acq On : 21 Jan 2020 21:12
Operator : CG/JU
Sample : L1181-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMP

Quant Time: Jan 22 04:20:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	402300	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1473152	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	850975	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1644892	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	1316776	20.00	ng	-0.01
87) Perylene-d12	15.50	264	1098957	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	2737837	126.39	ng	0.02
7) Phenol-d6	6.51	99	3278320	116.44	ng	0.00
23) Nitrobenzene-d5	7.44	82	2453473	93.16	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	1506263	153.03	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	4334227	83.71	ng	0.00
79) Terphenyl-d14	12.99	244	5786172	95.84	ng	0.00

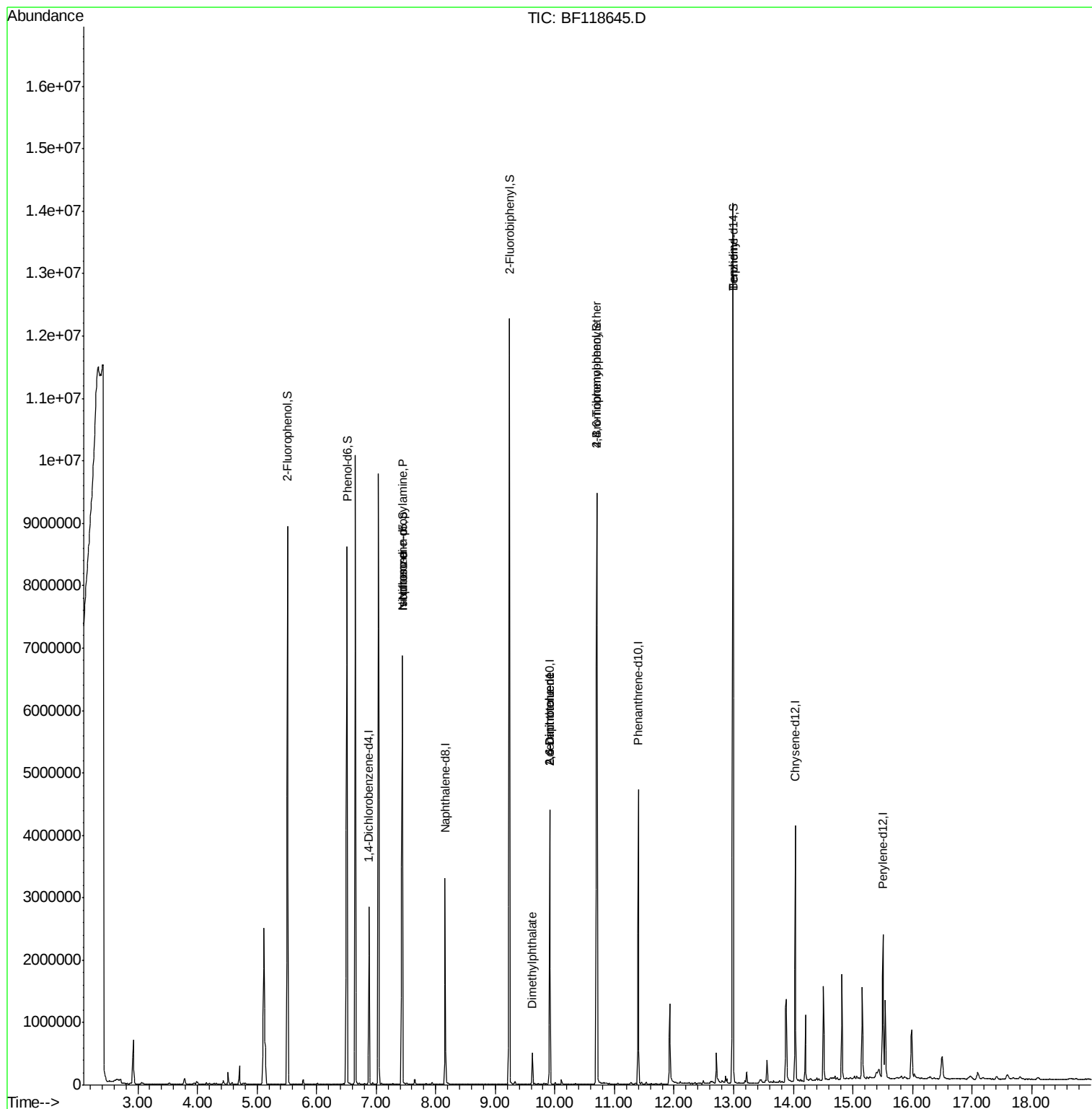
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	349443	18.382	ng	# 75
25) Isophorone	7.44	82	2453448	51.073	ng	# 64
50) Dimethylphthalate	9.62	163	200024	3.608	ng	97
51) 2,6-Dinitrotoluene	9.92	165	112710	9.079	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	112710	7.202	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	96607	4.754	ng	# 1
77) Benzidine	12.99	184	82901	2.356	ng	# 94

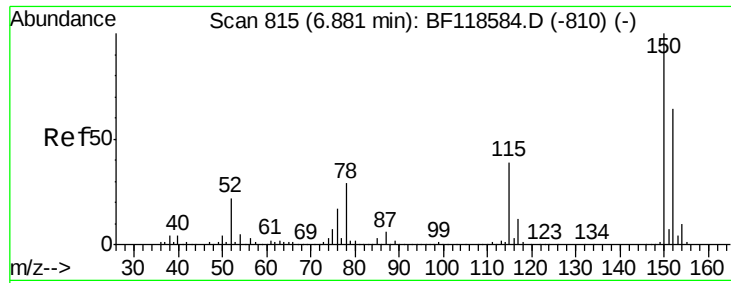
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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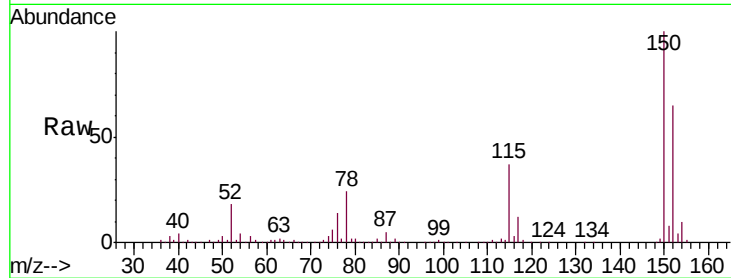




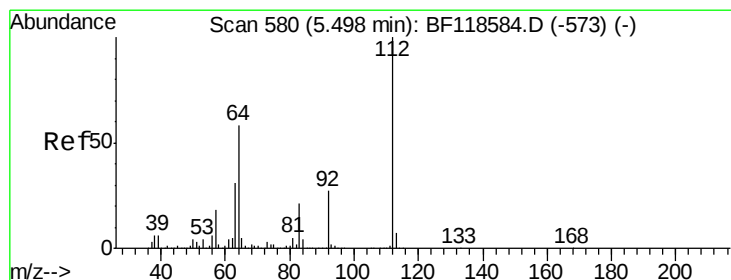
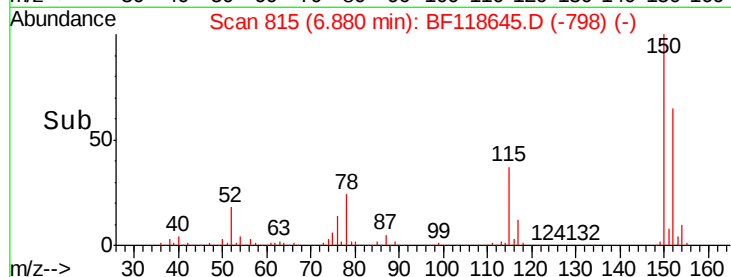
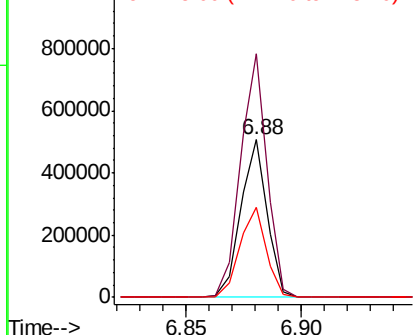
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF118645.D
 Acq: 21 Jan 2020 21:12

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMP

Tgt Ion:152 Resp: 402300
 Ion Ratio Lower Upper
 152 100
 150 154.3 125.6 188.4
 115 57.2 48.4 72.6

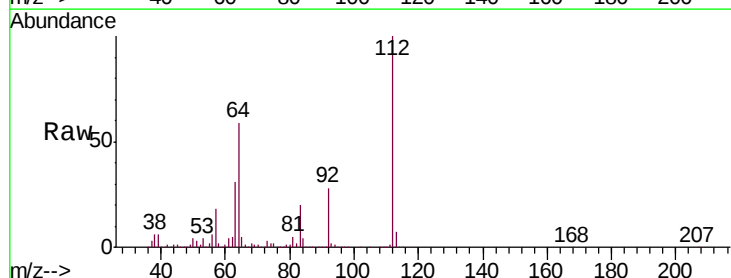


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

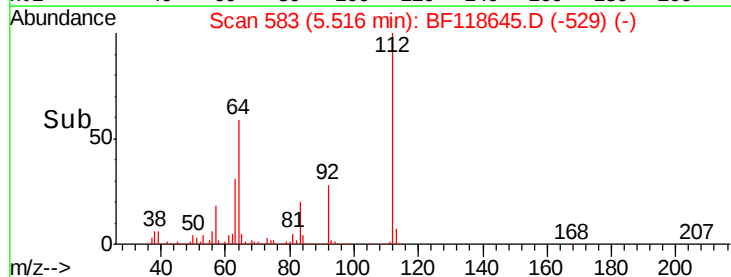
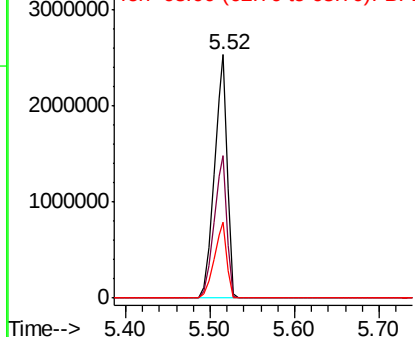


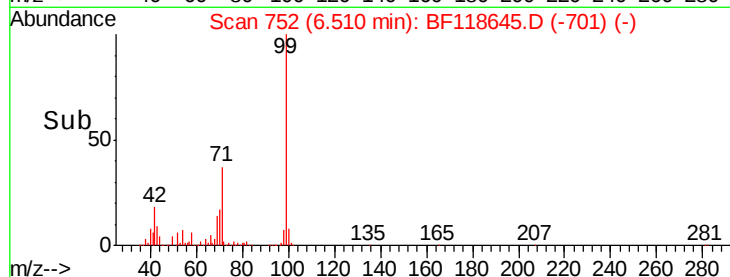
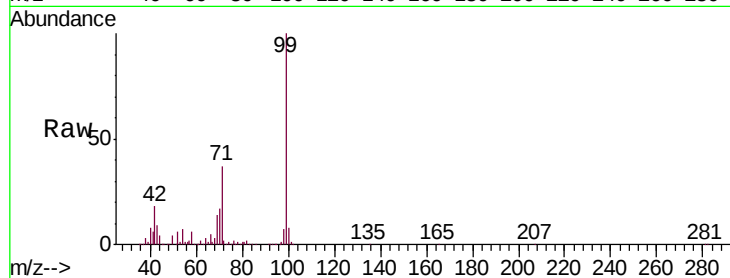
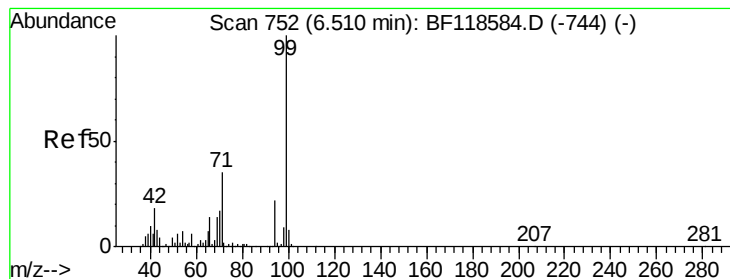
#5
 2-Fluorophenol
 Concen: 126.395 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.02 min
 Lab File: BF118645.D
 Acq: 21 Jan 2020 21:12

Tgt Ion:112 Resp: 2737837
 Ion Ratio Lower Upper
 112 100
 64 58.6 46.6 70.0
 63 31.0 25.1 37.7



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: 116.443 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF118645.D

Acq: 21 Jan 2020 21:12

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMP

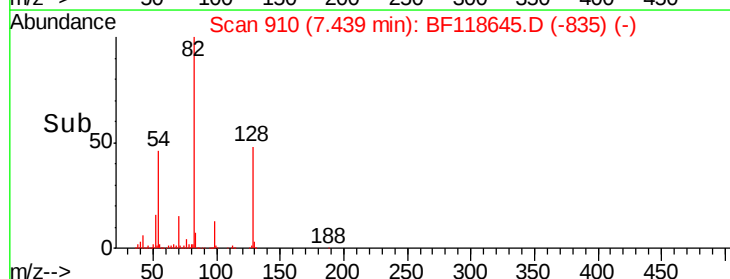
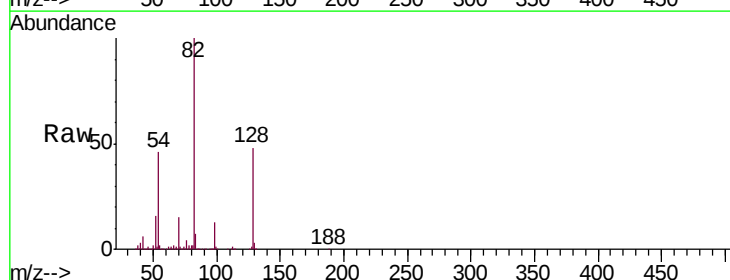
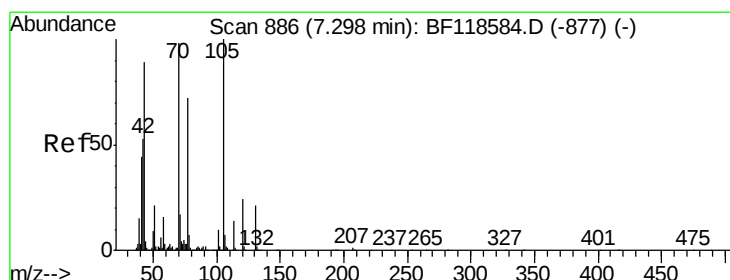
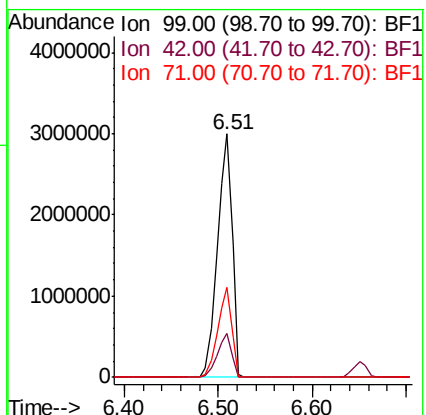
Tgt Ion: 99 Resp: 3278320

Ion Ratio Lower Upper

99 100

42 18.2 14.2 21.2

71 37.1 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 18.382 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF118645.D

Acq: 21 Jan 2020 21:12

Tgt Ion: 70 Resp: 349443

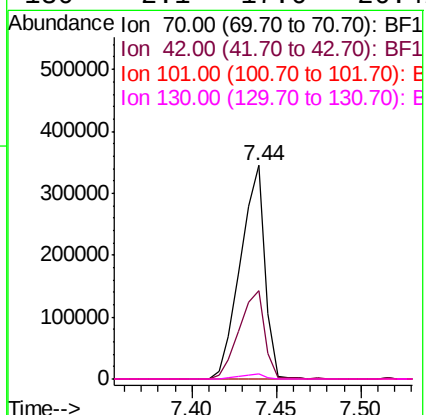
Ion Ratio Lower Upper

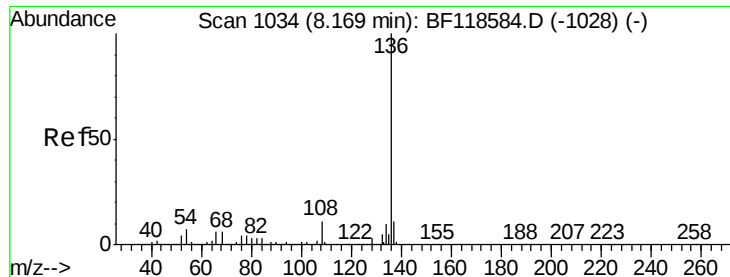
70 100

42 41.7 43.4 65.0#

101 0.0 8.1 12.1#

130 2.1 17.6 26.4#

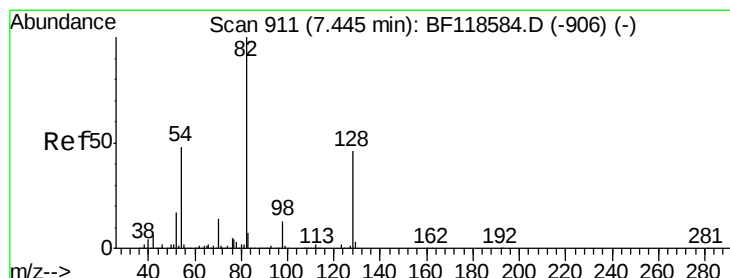
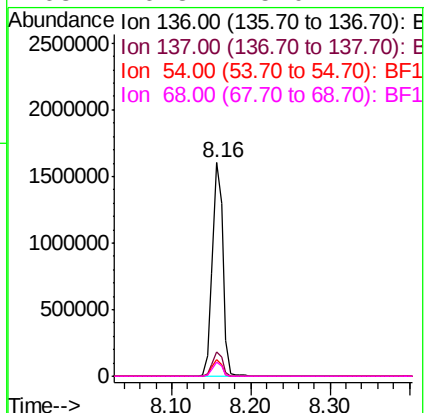
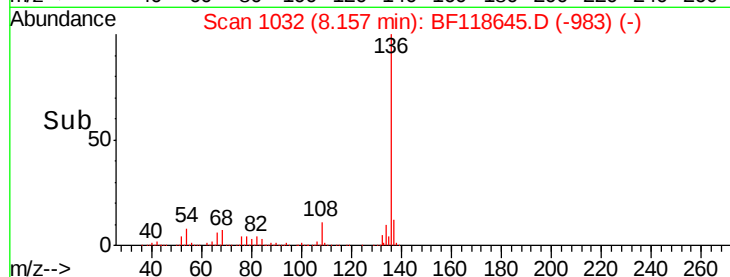
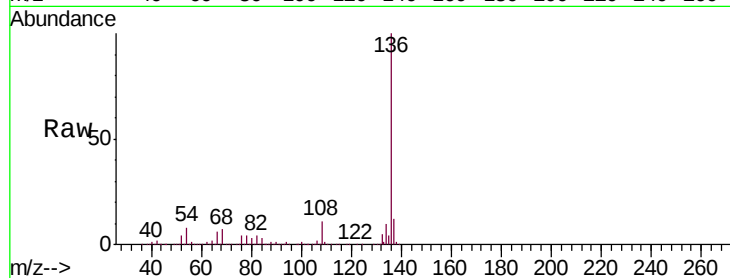




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118645.D
Acq: 21 Jan 2020 21:12

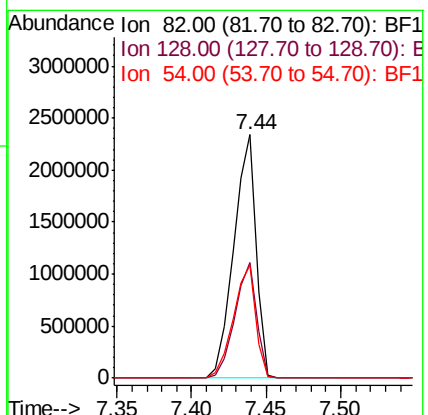
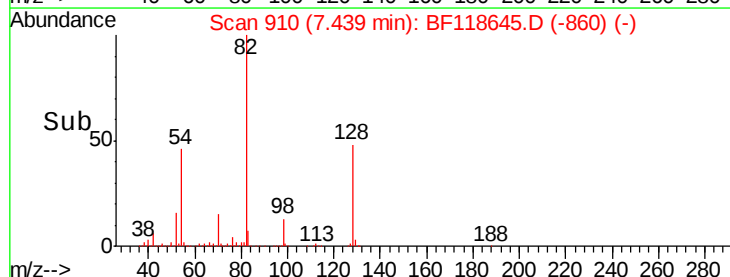
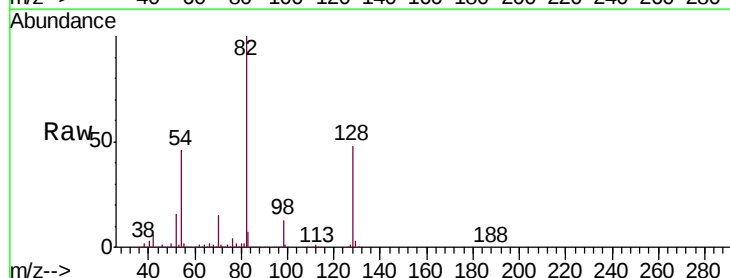
Instrument :
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Tgt Ion:	136	Resp:	1473152
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.9	5.8	8.6
68	6.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 93.156 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118645.D
Acq: 21 Jan 2020 21:12

Tgt Ion:	82	Resp:	2453473
Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.6	54.8
54	46.3	38.0	57.0





#25

Isophorone

Concen: 51.073 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118645.D

Acq: 21 Jan 2020 21:12

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMP

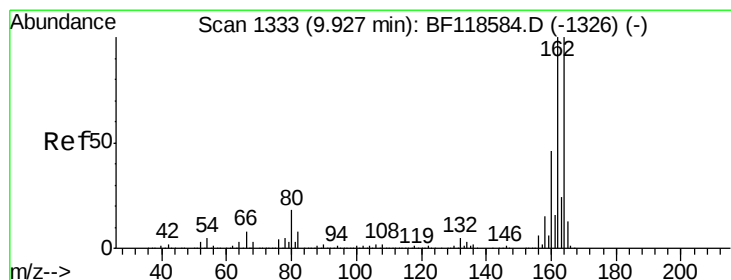
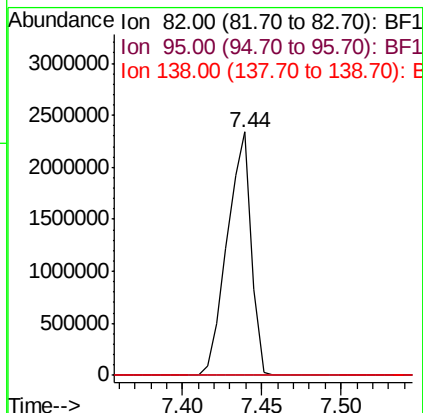
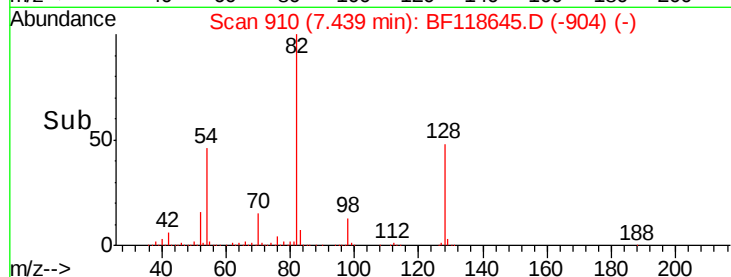
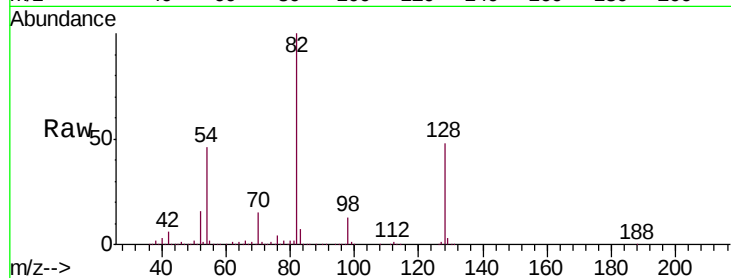
Tgt Ion: 82 Resp: 2453448

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 15.3 22.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118645.D

Acq: 21 Jan 2020 21:12

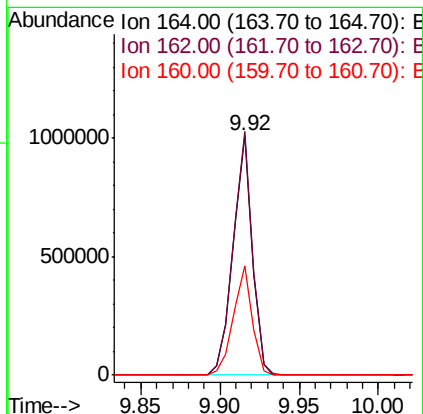
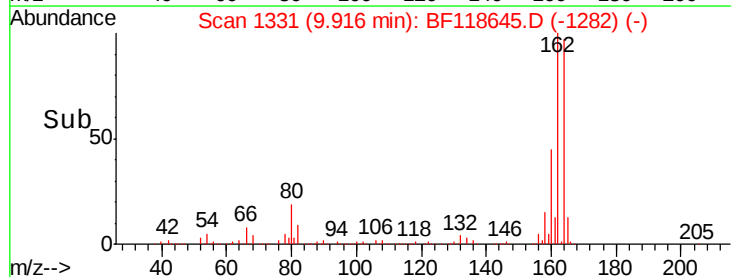
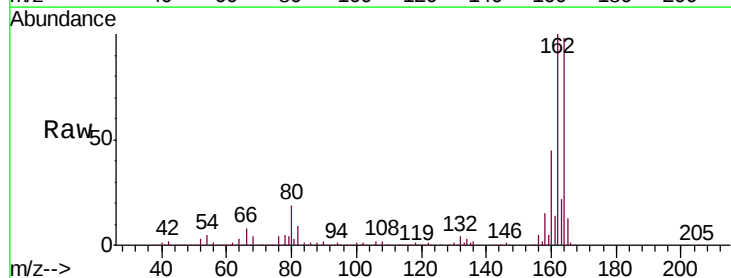
Tgt Ion: 164 Resp: 850975

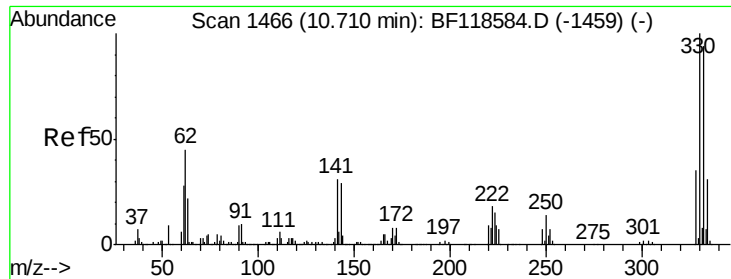
Ion Ratio Lower Upper

164 100

162 101.6 80.4 120.6

160 45.7 36.6 55.0

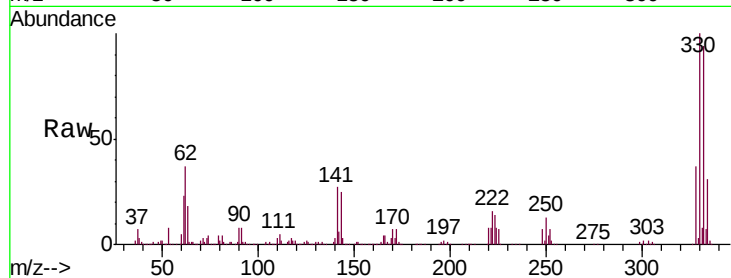




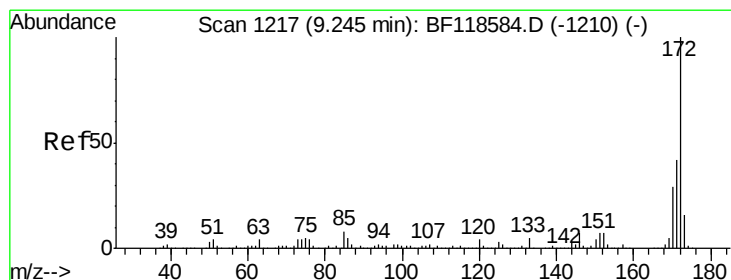
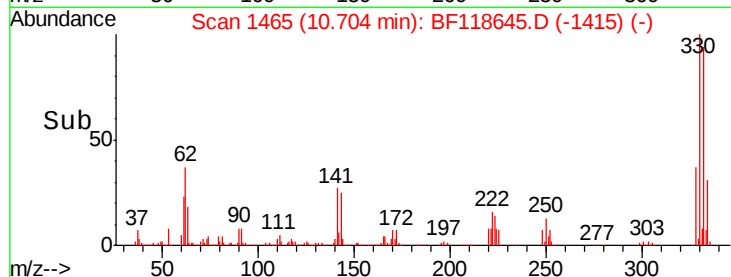
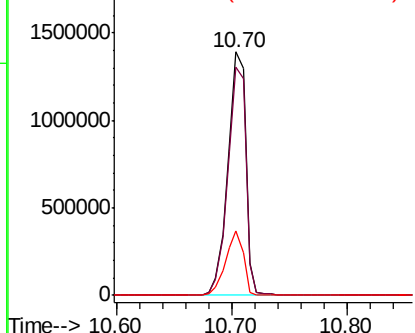
#42
 2,4,6-Tribromophenol
 Concen: 153.035 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118645.D
 Acq: 21 Jan 2020 21:12

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMP

Tgt Ion:330 Resp: 1506263
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.2 114.4
 141 26.4 23.9 35.9

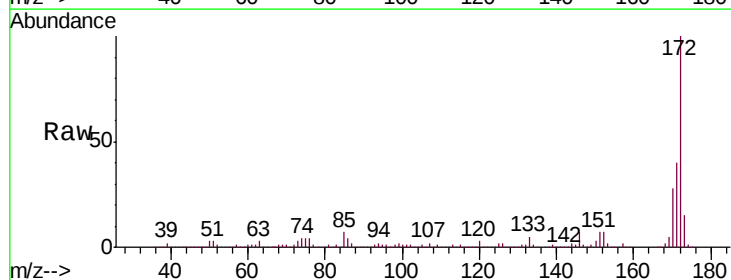


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

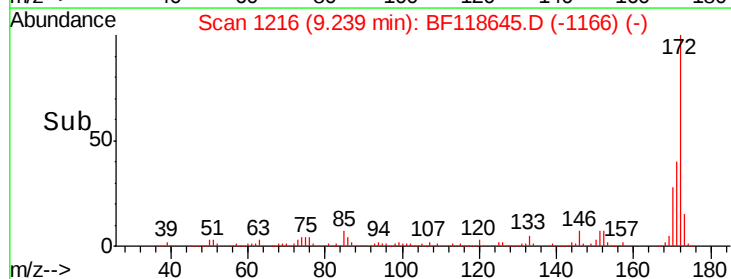
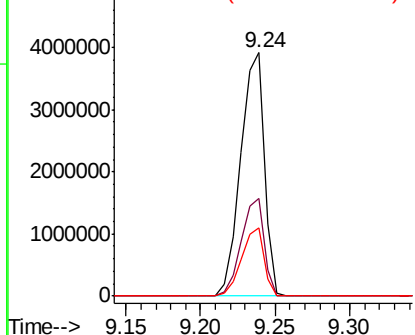


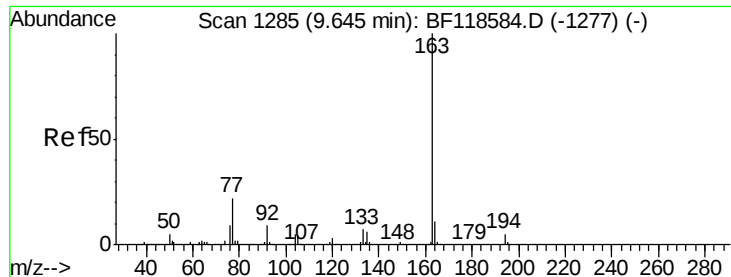
#45
 2-Fluorobiphenyl
 Concen: 83.713 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118645.D
 Acq: 21 Jan 2020 21:12

Tgt Ion:172 Resp: 4334227
 Ion Ratio Lower Upper
 172 100
 171 40.2 33.4 50.2
 170 27.8 23.2 34.8



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

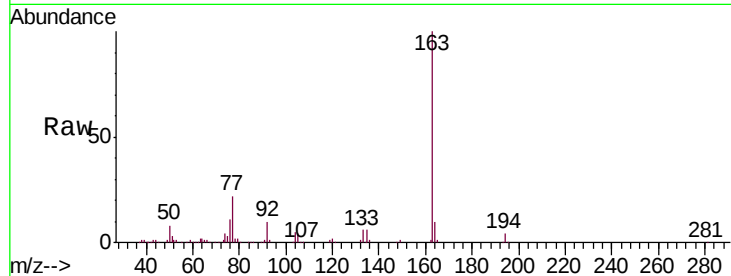




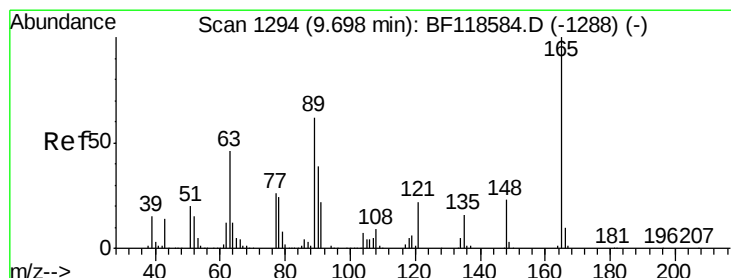
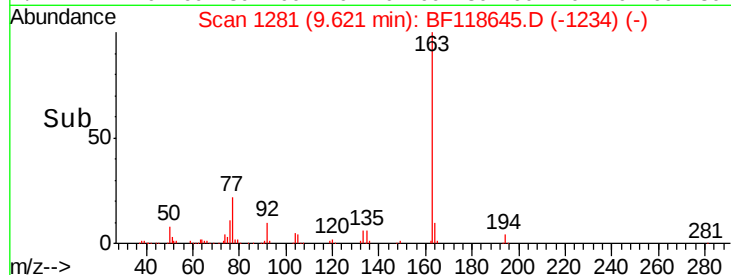
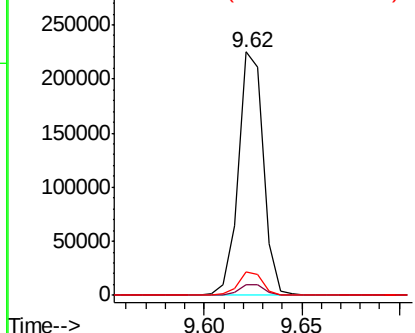
#50
Dimethylphthalate
Concen: 3.608 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118645.D
Acq: 21 Jan 2020 21:12

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMP

Tgt Ion:163 Resp: 200024
Ion Ratio Lower Upper
163 100
194 4.2 3.9 5.9
164 9.9 9.1 13.7

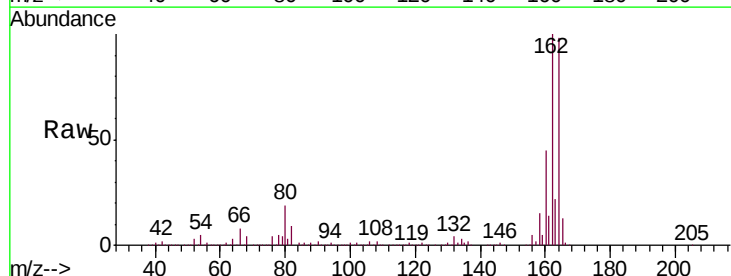


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

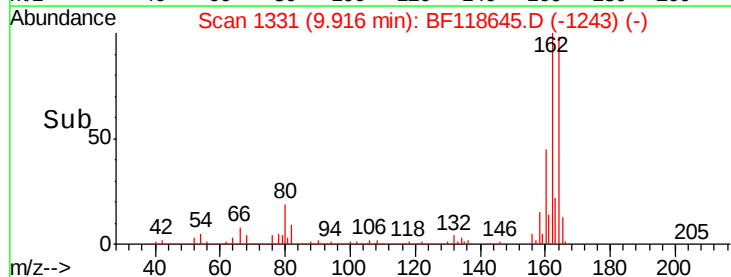
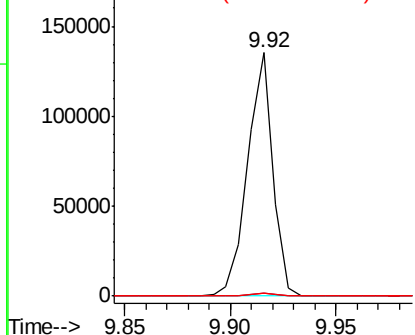


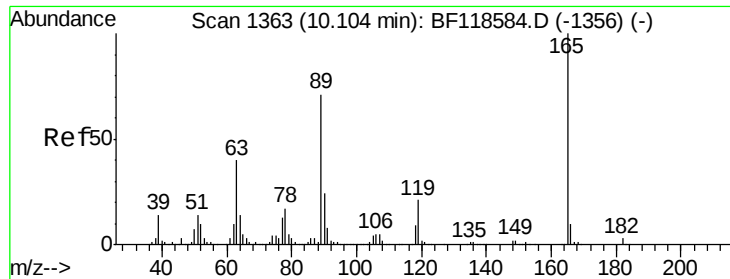
#51
2,6-Dinitrotoluene
Concen: 9.079 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.22 min
Lab File: BF118645.D
Acq: 21 Jan 2020 21:12

Tgt Ion:165 Resp: 112710
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.5 49.8 74.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

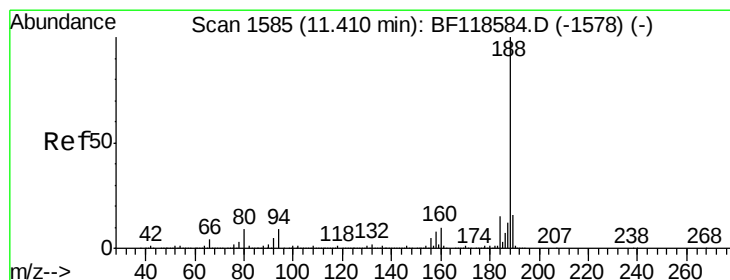
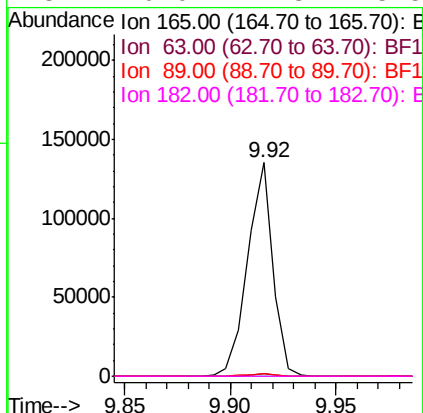
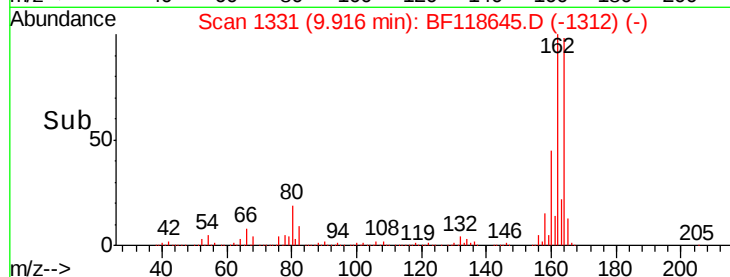
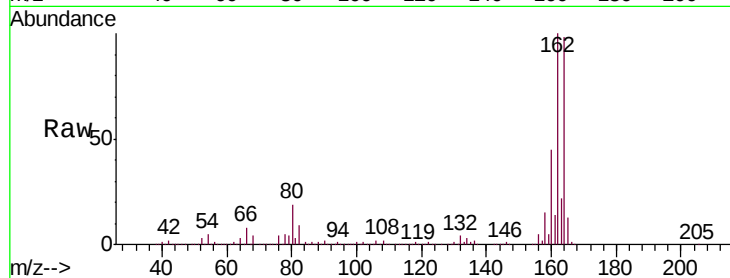




#57
 2,4-Dinitrotoluene
 Concen: 7.202 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118645.D
 Acq: 21 Jan 2020 21:12

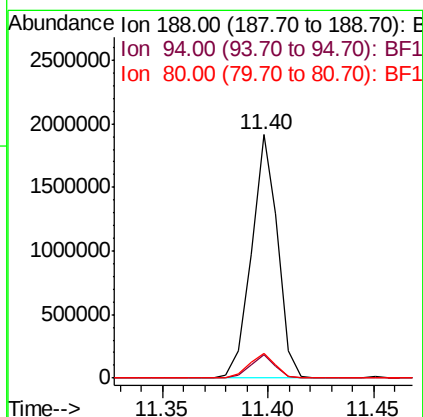
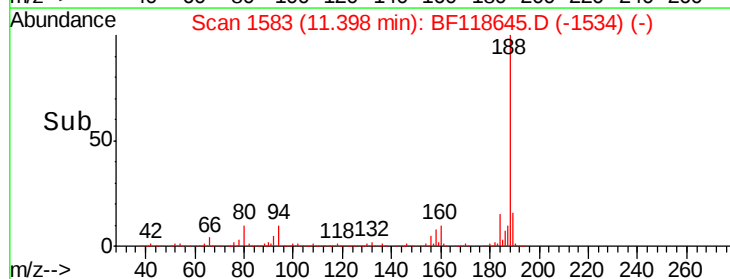
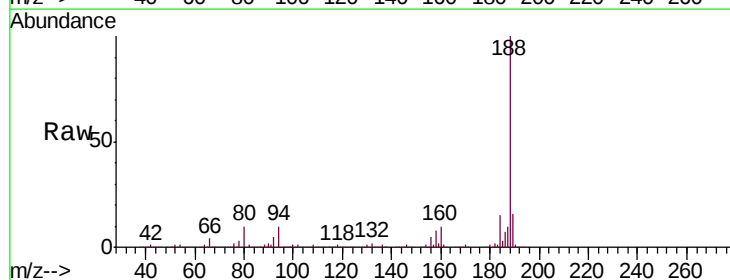
Instrument :
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 93OAK-AVE-COMP

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	32.4	48.6#
89	1.5	56.4	84.6#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118645.D
 Acq: 21 Jan 2020 21:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.1	10.7
80	10.3	7.5	11.3

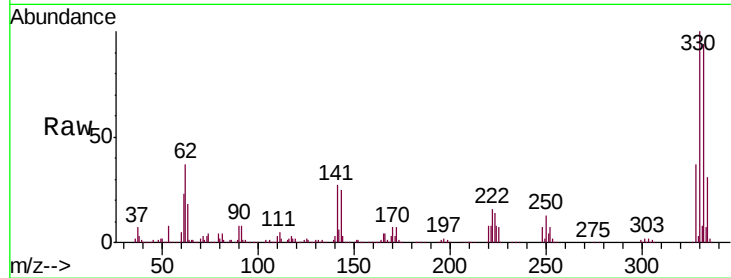




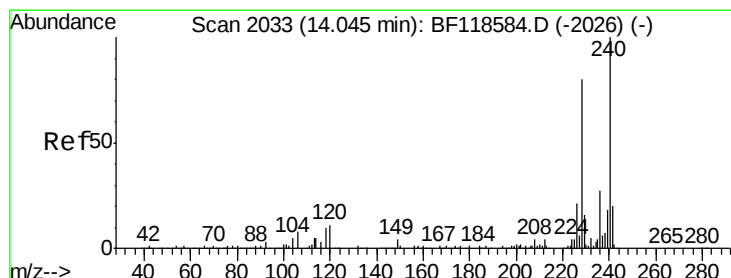
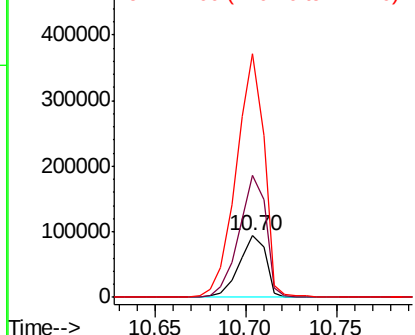
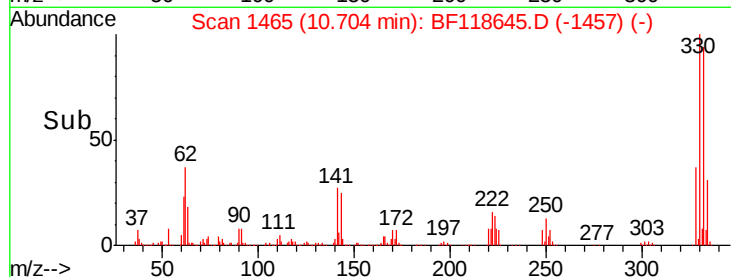
#67
4-Bromophenyl-phenylether
Concen: 4.754 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118645.D
Acq: 21 Jan 2020 21:12

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMP

Tgt Ion:248 Resp: 96607
Ion Ratio Lower Upper
248 100
250 198.6 78.7 118.1#
141 397.2 43.2 64.8#

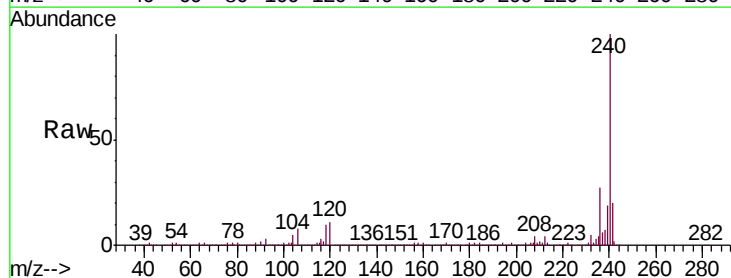


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

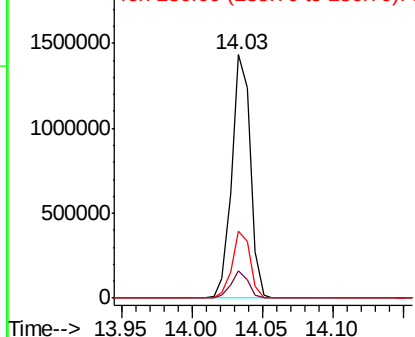
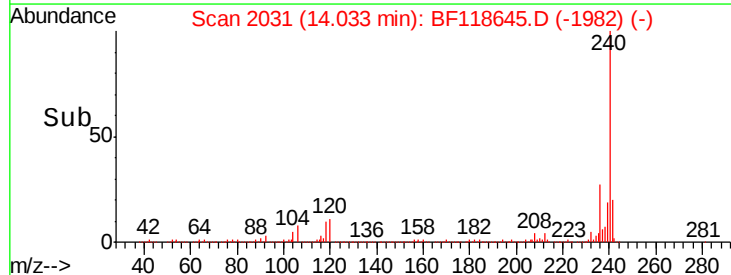


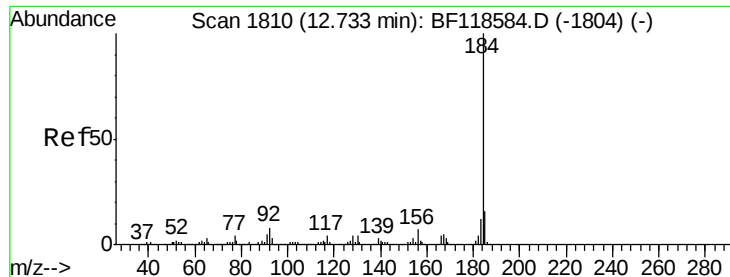
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118645.D
Acq: 21 Jan 2020 21:12

Tgt Ion:240 Resp: 1316776
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 27.2 21.5 32.3



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

Benzidine

Concen: 2.356 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.26 min

Lab File: BF118645.D

Acq: 21 Jan 2020 21:12

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMP

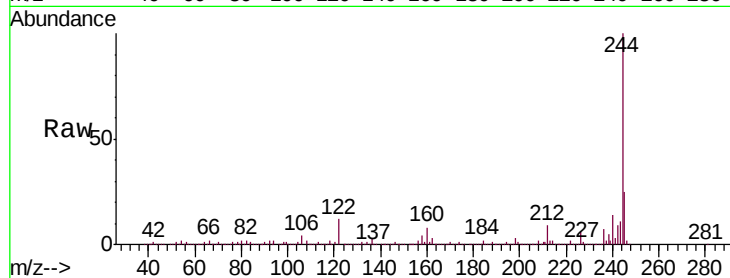
Tgt Ion:184 Resp: 82901

Ion Ratio Lower Upper

184 100

185 15.0 12.9 19.3

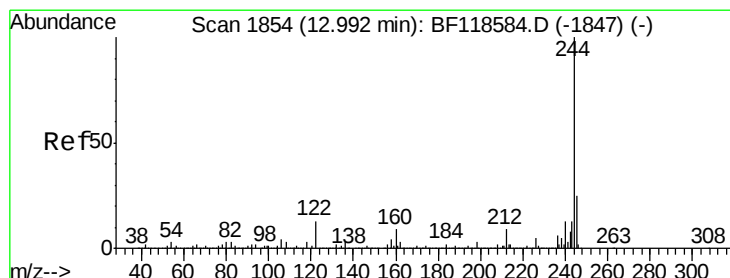
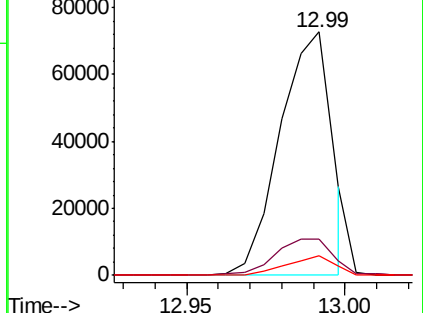
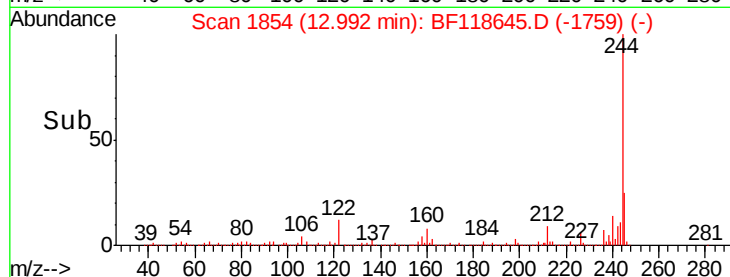
183 8.2 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 95.842 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF118645.D

Acq: 21 Jan 2020 21:12

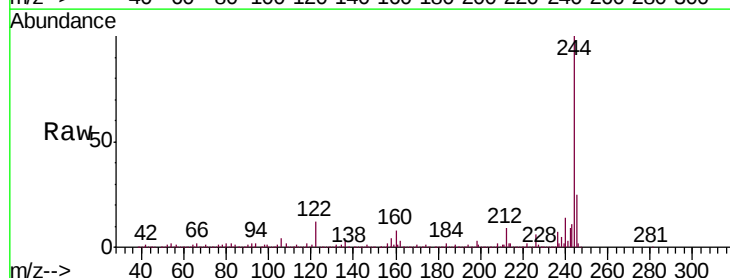
Tgt Ion:244 Resp: 5786172

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.4

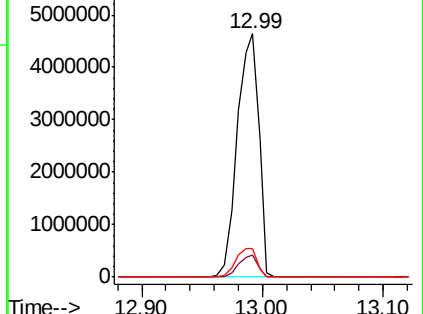
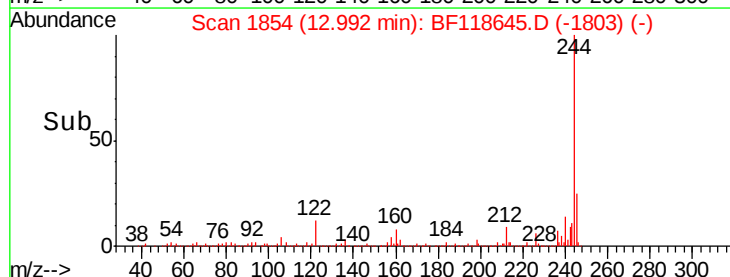
122 11.9 10.7 16.1

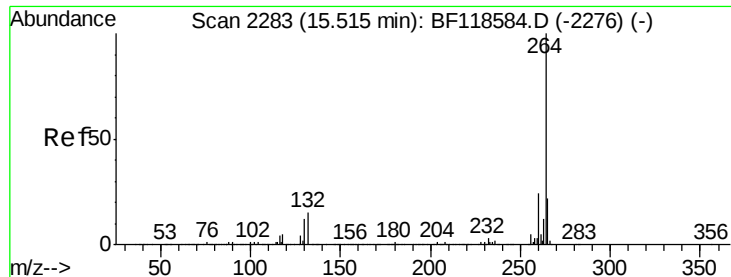


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF118645.D
Acq: 21 Jan 2020 21:12

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMP

Tgt Ion: 264 Resp: 1098957

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.5	17.7	26.5

