

Data File : BF118441.D
Acq On : 2 Jan 2020 17:54
Operator : JU
Sample : K6455-07RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K435-WC-1

Quant Time: Jan 03 02:09:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

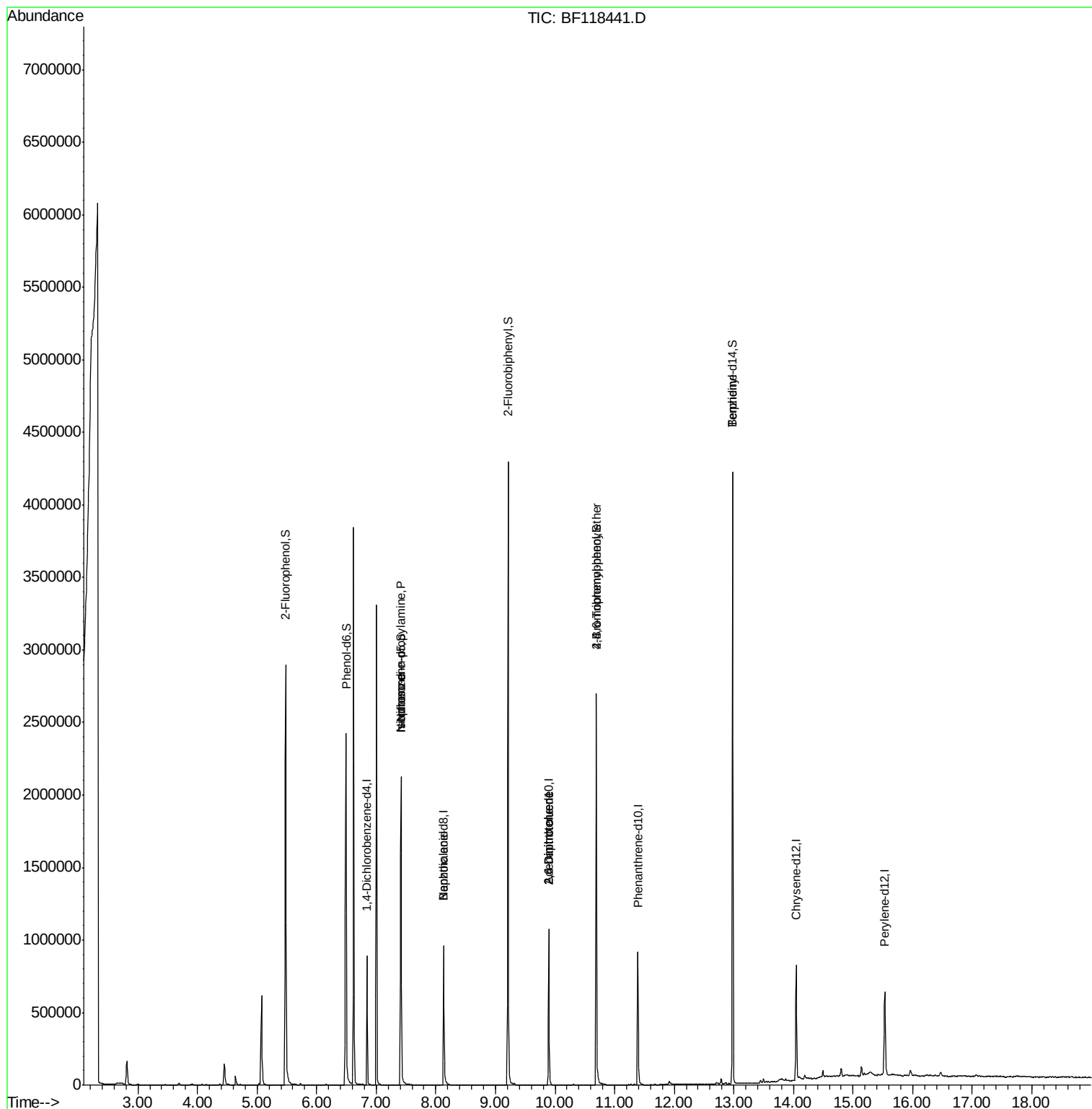
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	126944	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	488597	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	243551	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	422371	20.00	ng	0.00
76) Chrysene-d12	14.04	240	266923	20.00	ng	0.00
87) Perylene-d12	15.53	264	278546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	878886	118.18	ng	0.02
7) Phenol-d6	6.49	99	982794	106.53	ng	0.00
23) Nitrobenzene-d5	7.42	82	709864	83.10	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	359729	119.60	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1413445	88.59	ng	-0.01
79) Terphenyl-d14	12.98	244	1413923	87.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	96630	17.003	ng	# 74
25) Isophorone	7.42	82	709860	47.680	ng	# 62
32) Benzoic acid	8.13	122	113	5.696	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	32116	8.148	ng	# 25
57) 2,4-Dinitrotoluene	9.89	165	32116	6.098	ng	# 29
67) 4-Bromophenyl-phenylether	10.69	248	21889	4.428	ng	# 1
77) Benzidine	12.98	184	18932	2.589	ng	# 93

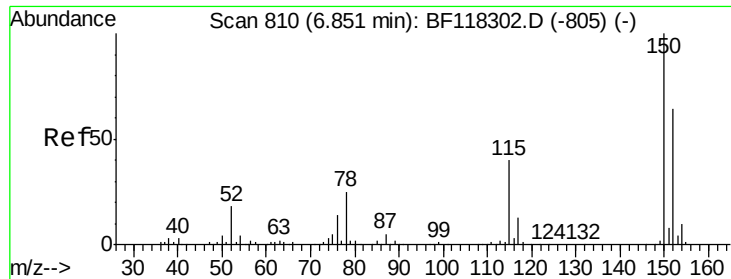
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration



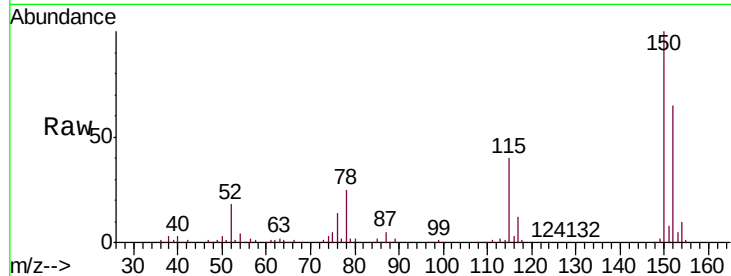


#1

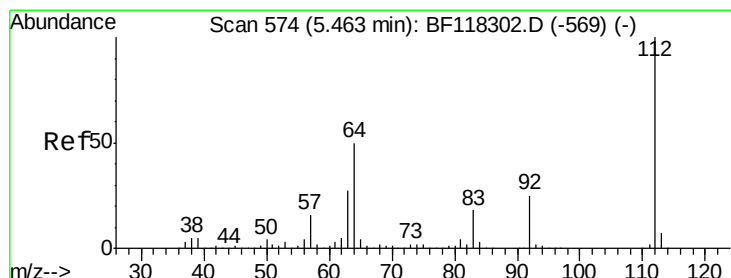
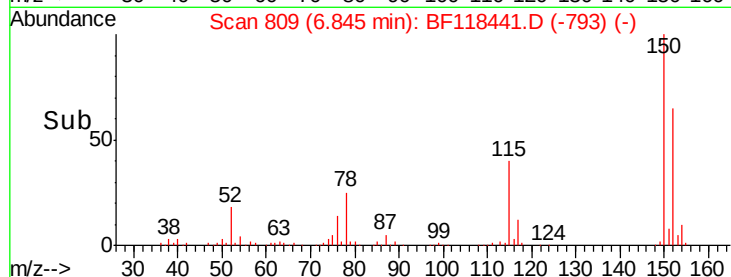
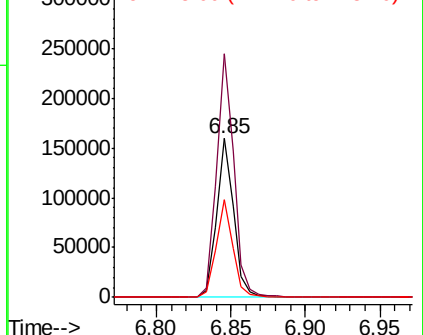
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118441.D
Acq: 2 Jan 2020 17:54

Instrument :
BNA_F
ClientSampleId :
K435-WC-1

Tgt Ion:152 Resp: 126944
Ion Ratio Lower Upper
152 100
150 153.3 125.4 188.2
115 61.6 50.2 75.4



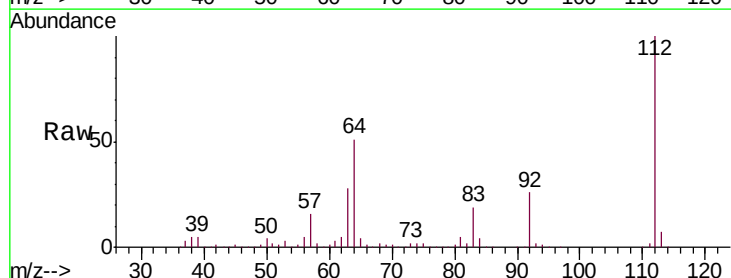
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



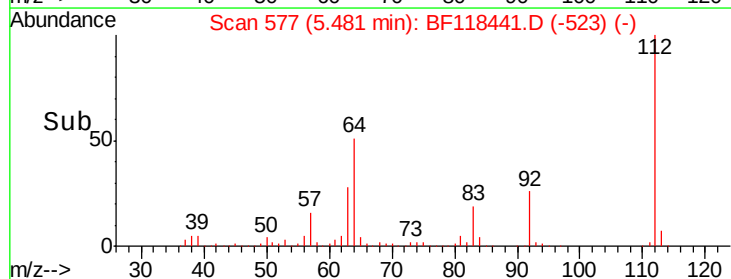
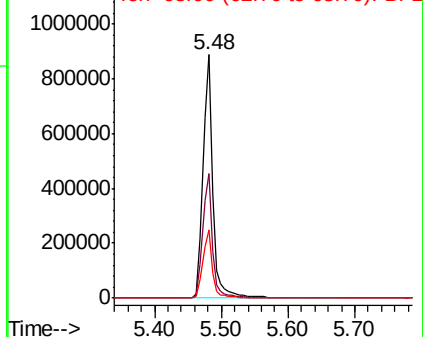
#5

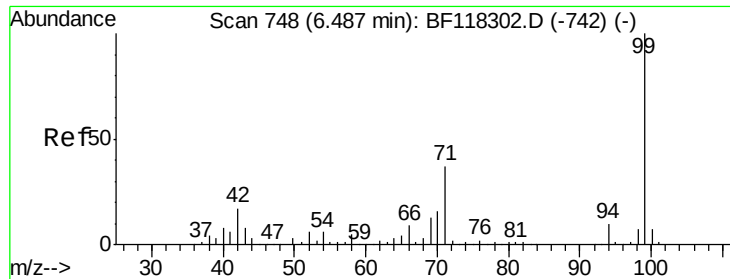
2-Fluorophenol
Concen: 118.182 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.02 min
Lab File: BF118441.D
Acq: 2 Jan 2020 17:54

Tgt Ion:112 Resp: 878886
Ion Ratio Lower Upper
112 100
64 51.1 39.7 59.5
63 27.9 21.7 32.5



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: 106.531 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118441.D

Acq: 2 Jan 2020 17:54

Instrument :

BNA_F

ClientSampleId :

K435-WC-1

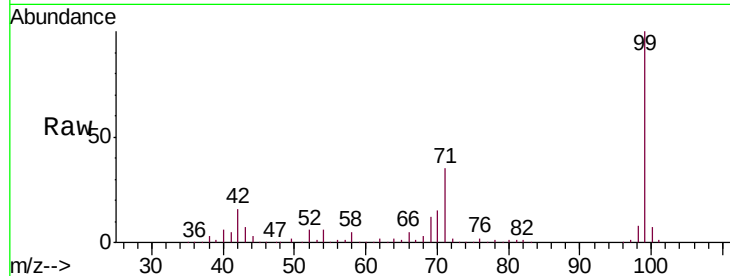
Tgt Ion: 99 Resp: 982794

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

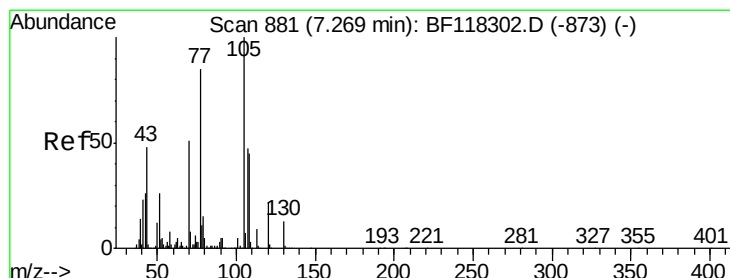
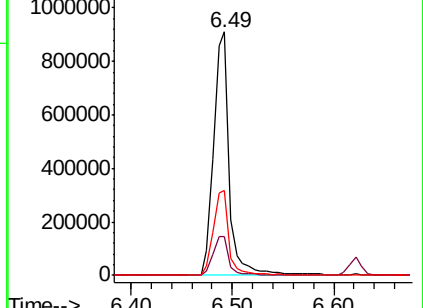
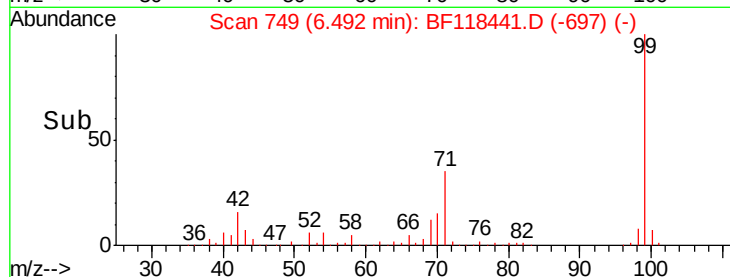
71 35.0 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 17.003 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118441.D

Acq: 2 Jan 2020 17:54

Tgt Ion: 70 Resp: 96630

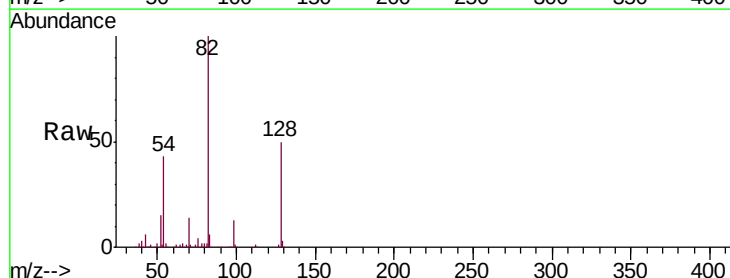
Ion Ratio Lower Upper

70 100

42 40.7 41.1 61.7#

101 0.0 8.3 12.5#

130 2.1 20.1 30.1#

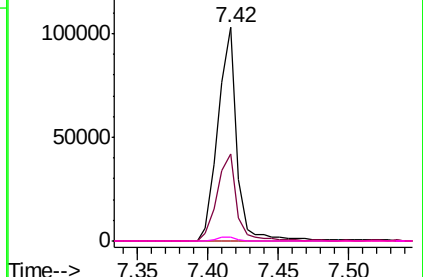
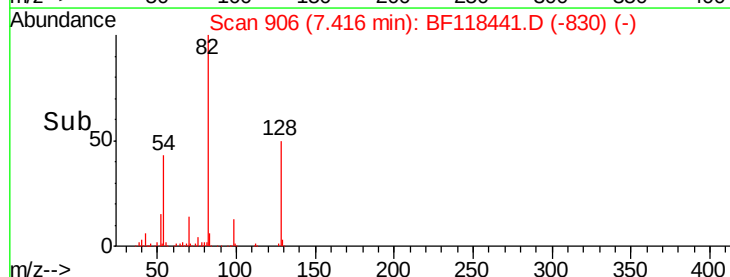


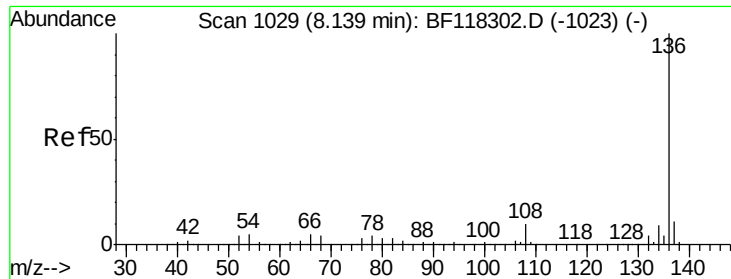
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

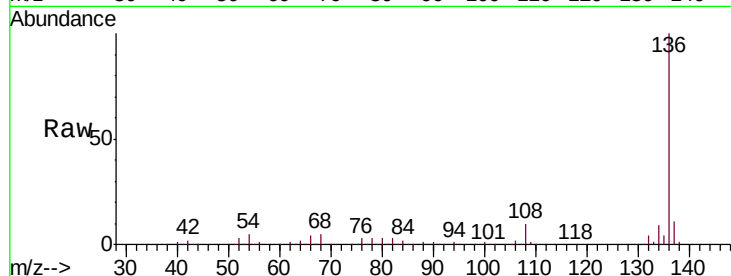




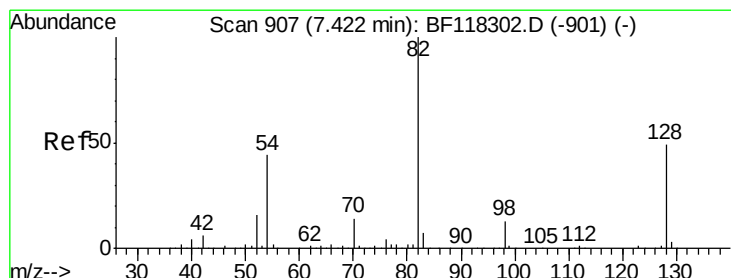
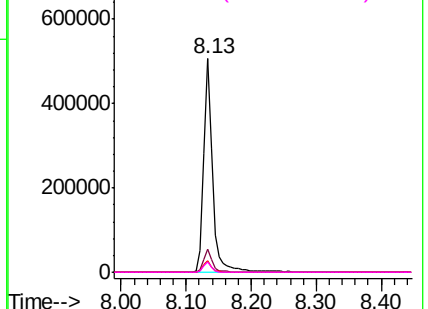
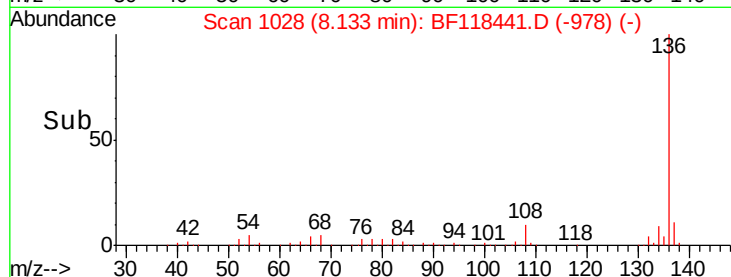
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118441.D
Acq: 2 Jan 2020 17:54

Instrument :
BNA_F
ClientSampleId :
K435-WC-1

Tgt Ion:	136	Resp:	488597
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.2	4.2	6.4
68	4.7	3.5	5.3

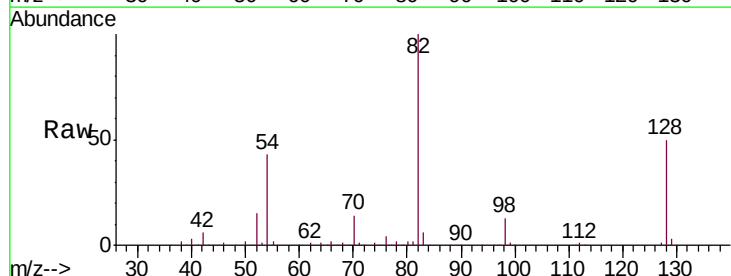


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

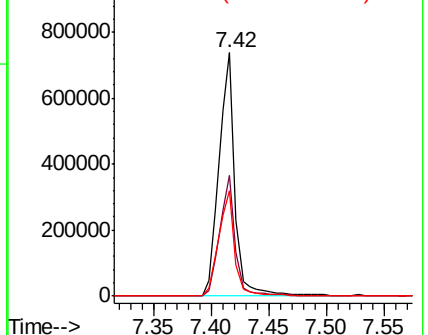
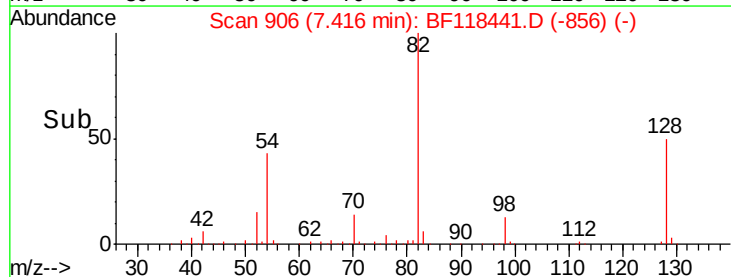


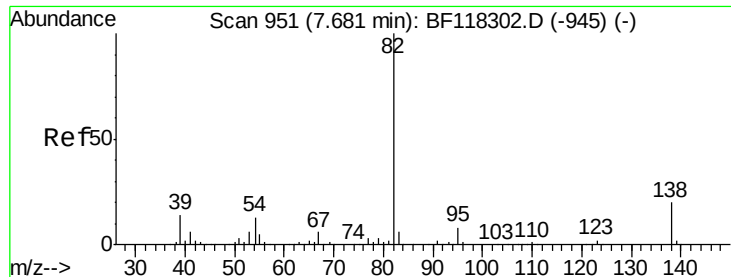
#23
Nitrobenzene-d5
Concen: 83.096 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118441.D
Acq: 2 Jan 2020 17:54

Tgt Ion:	82	Resp:	709864
Ion	Ratio	Lower	Upper
82	100		
128	49.7	39.6	59.4
54	43.3	34.9	52.3



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





#25

Isophorone

Concen: 47.680 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118441.D

Acq: 2 Jan 2020 17:54

Instrument :

BNA_F

ClientSampleId :

K435-WC-1

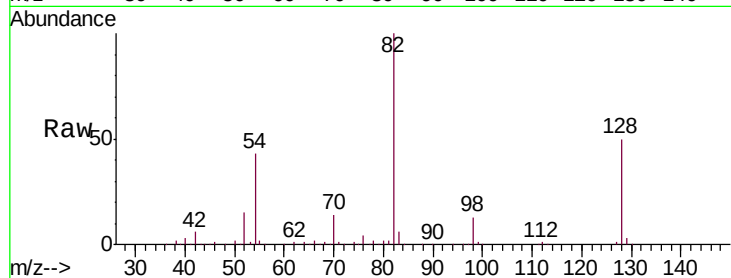
Tgt Ion: 82 Resp: 709860

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

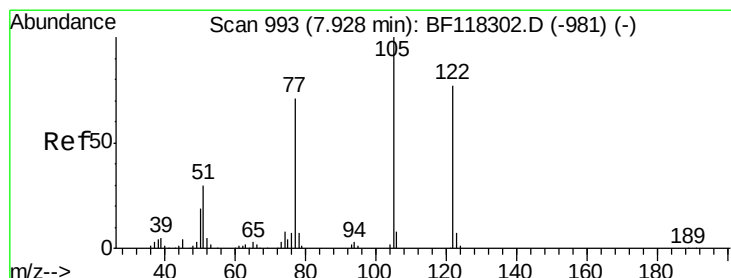
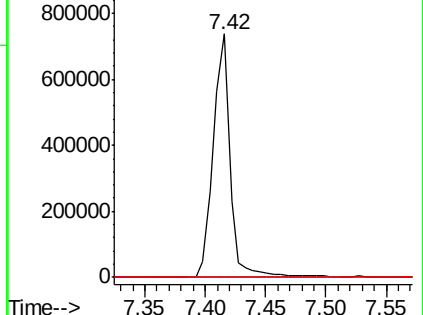
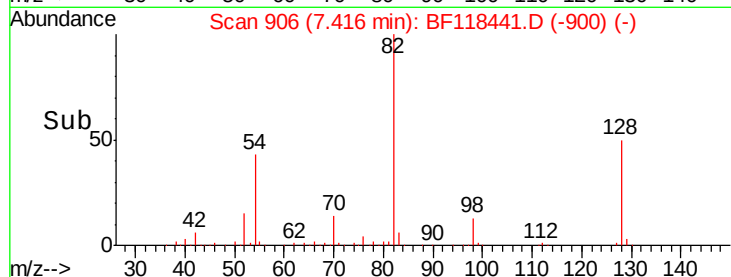
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 5.696 ng

RT: 8.13 min Scan# 1027

Delta R.T. 0.20 min

Lab File: BF118441.D

Acq: 2 Jan 2020 17:54

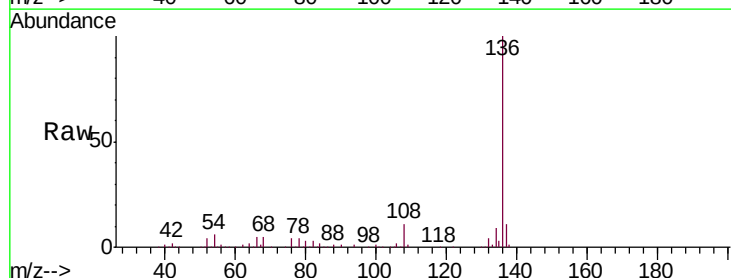
Tgt Ion: 122 Resp: 113

Ion Ratio Lower Upper

122 100

105 119.1 106.8 146.8

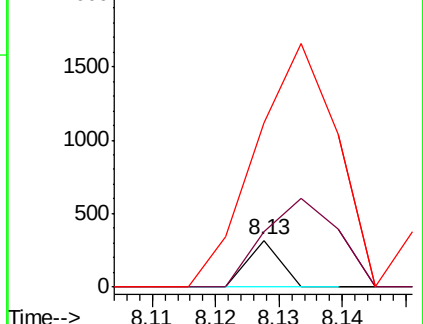
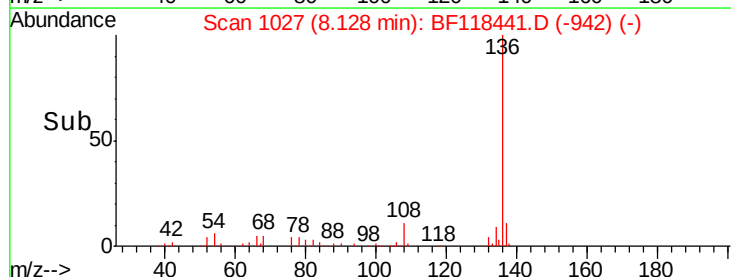
77 349.8 70.4 110.4#

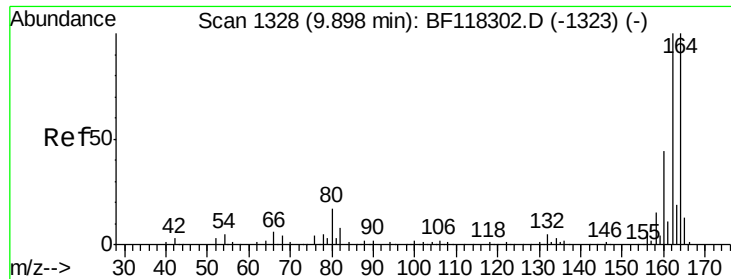


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF118441.D

Acq: 2 Jan 2020 17:54

Instrument :

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ClientSampleId :

K435-WC-1

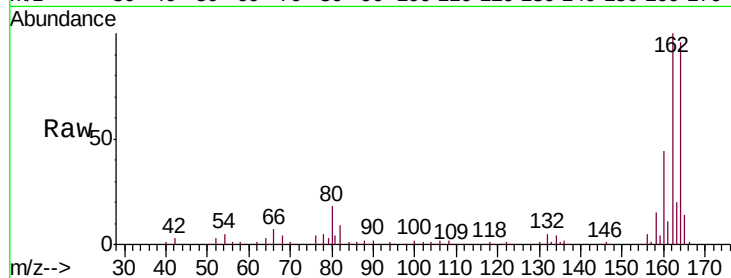
Tgt Ion:164 Resp: 243551

Ion Ratio Lower Upper

164 100

162 103.9 80.0 120.0

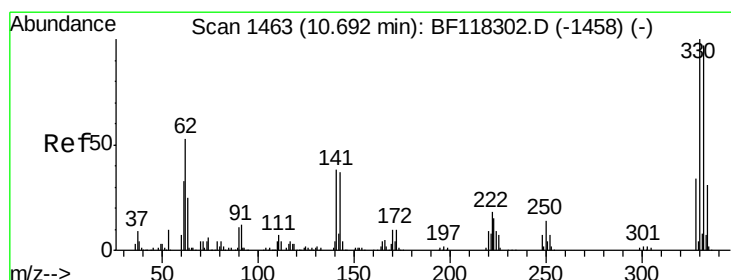
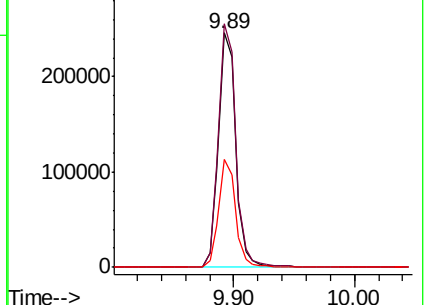
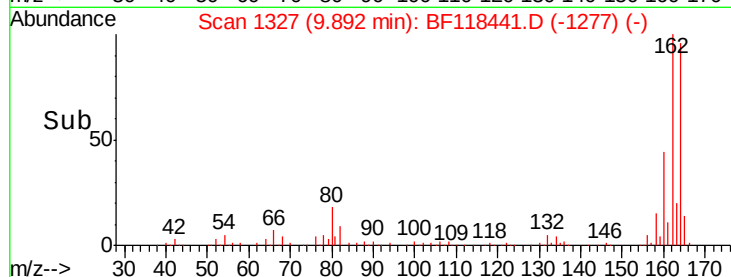
160 46.0 34.8 52.2



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



#42

2,4,6-Tribromophenol

Concen: 119.604 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BF118441.D

Acq: 2 Jan 2020 17:54

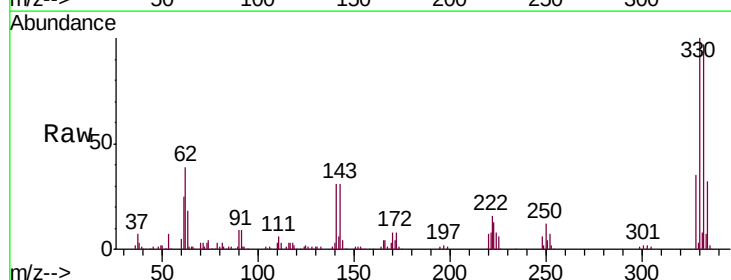
Tgt Ion:330 Resp: 359729

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

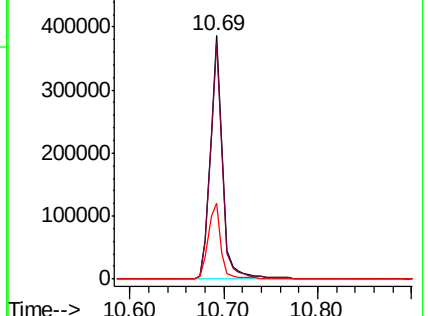
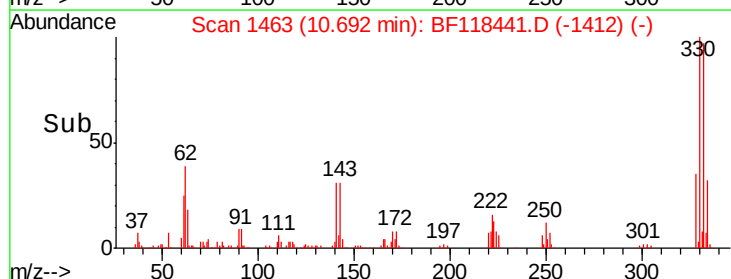
141 32.5 26.0 39.0

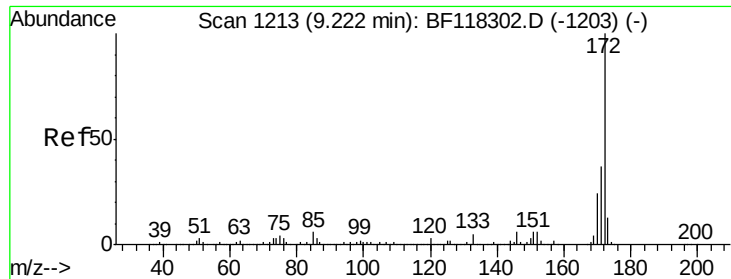


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

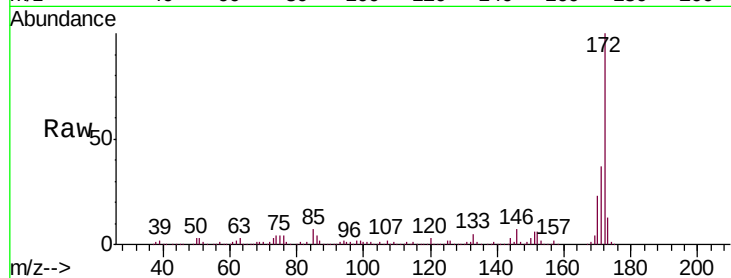




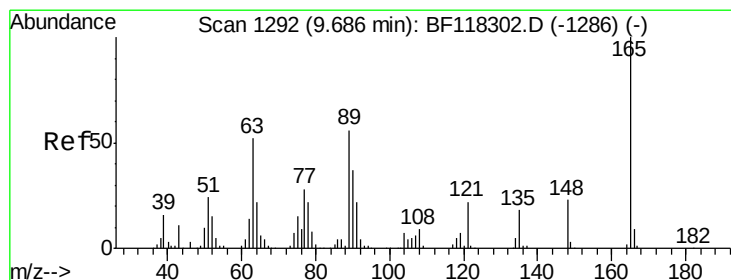
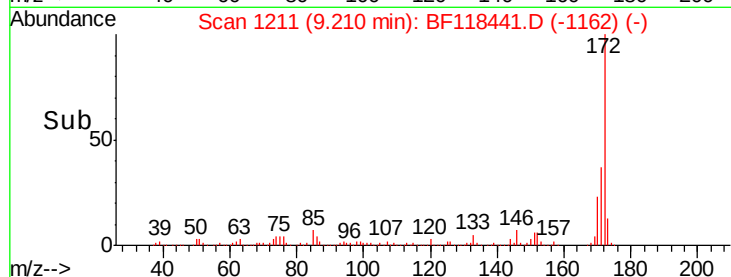
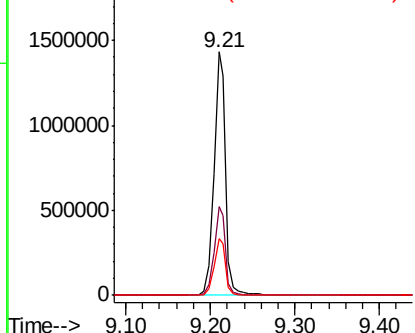
#45
 2-Fluorobiphenyl
 Concen: 88.589 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF118441.D
 Acq: 2 Jan 2020 17:54

Instrument :
 BNA_F
 ClientSampleId :
 K435-WC-1

Tgt Ion:172 Resp: 1413445
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.3 43.9
 170 23.2 19.2 28.8

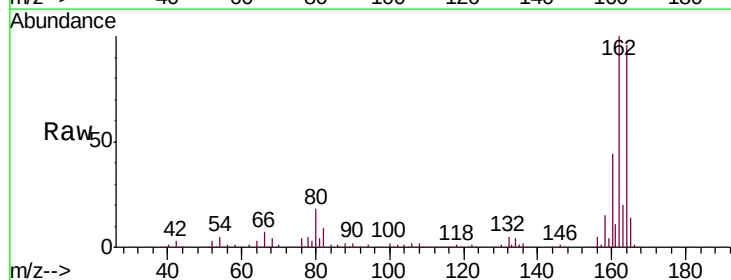


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

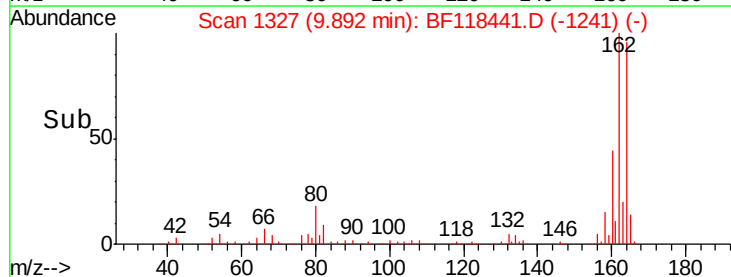
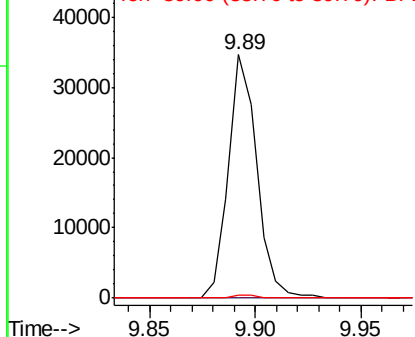


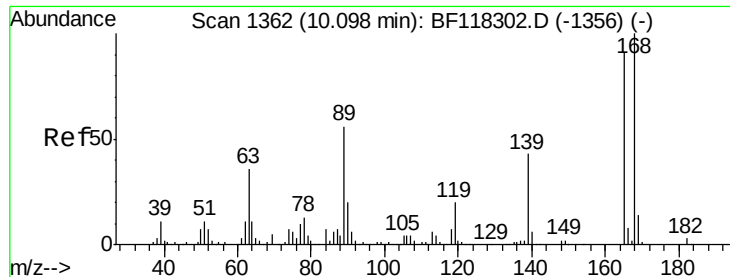
#51
 2,6-Dinitrotoluene
 Concen: 8.148 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF118441.D
 Acq: 2 Jan 2020 17:54

Tgt Ion:165 Resp: 32116
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.2 63.4#
 89 1.1 44.4 66.6#



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

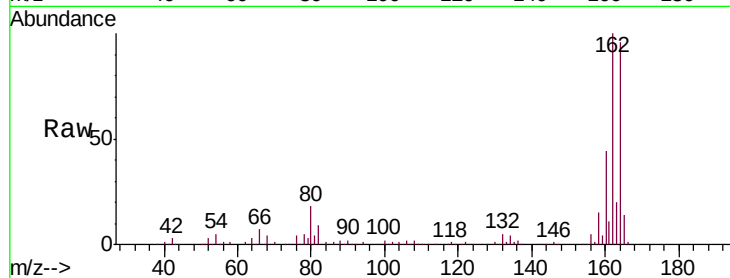




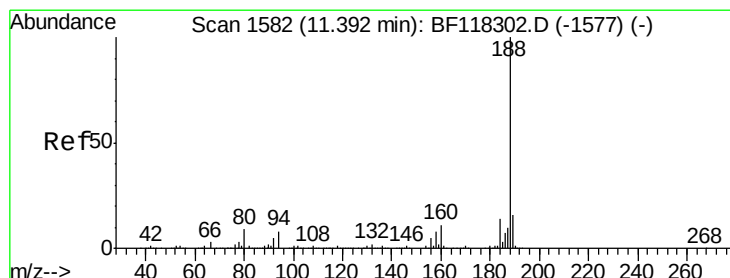
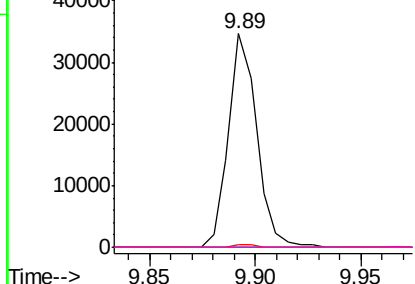
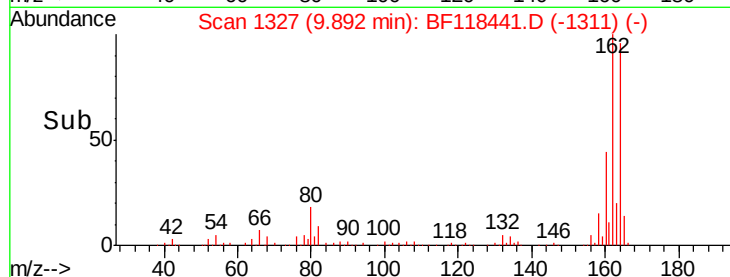
#57
 2,4-Dinitrotoluene
 Concen: 6.098 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.21 min
 Lab File: BF118441.D
 Acq: 2 Jan 2020 17:54

Instrument :
 BNA_F
 ClientSampleId :
 K435-WC-1

Tgt Ion:	165	Resp:	32116
Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	1.1	49.3	73.9#
182	0.0	2.4	3.6#

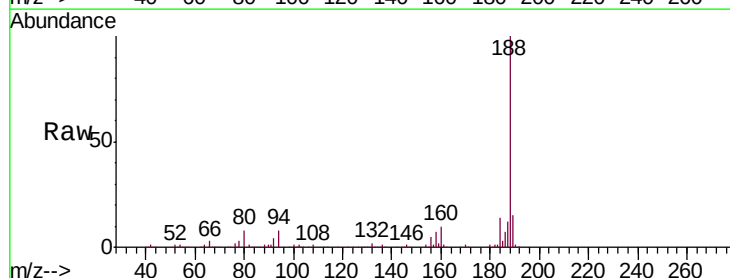


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

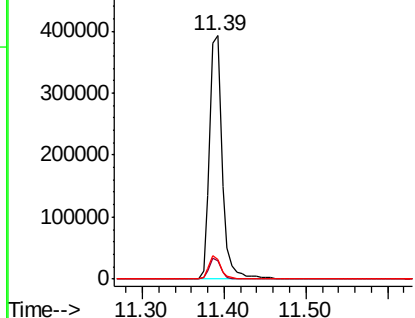
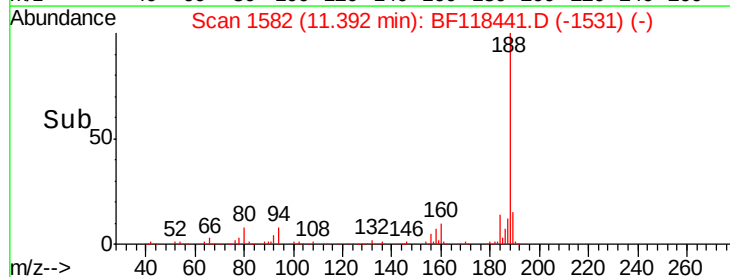


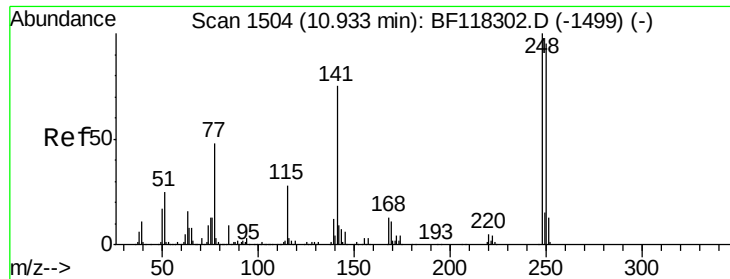
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF118441.D
 Acq: 2 Jan 2020 17:54

Tgt Ion:	188	Resp:	422371
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.3	7.2	10.8



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

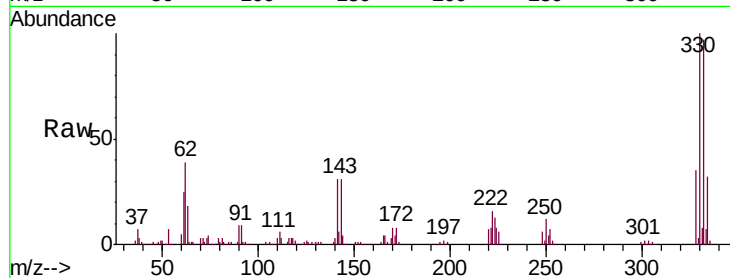




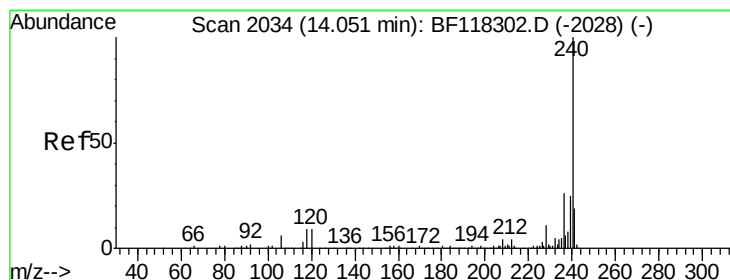
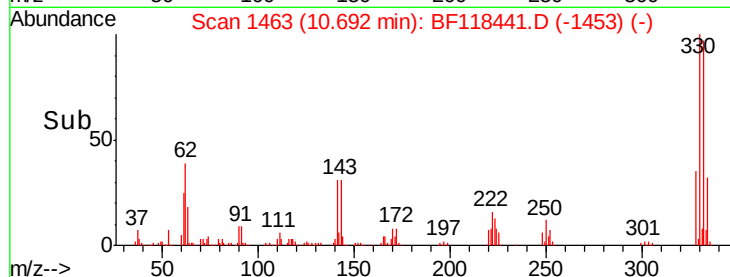
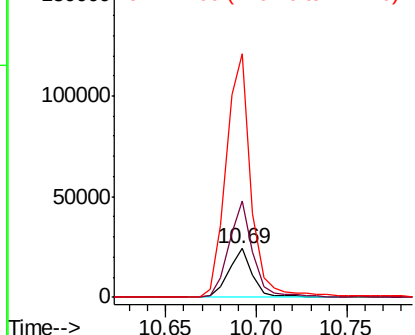
#67
4-Bromophenyl-phenylether
Concen: 4.428 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF118441.D
Acq: 2 Jan 2020 17:54

Instrument :
BNA_F
ClientSampleId :
K435-WC-1

Tgt Ion:248 Resp: 21889
Ion Ratio Lower Upper
248 100
250 198.3 76.4 114.6#
141 502.5 60.2 90.2#

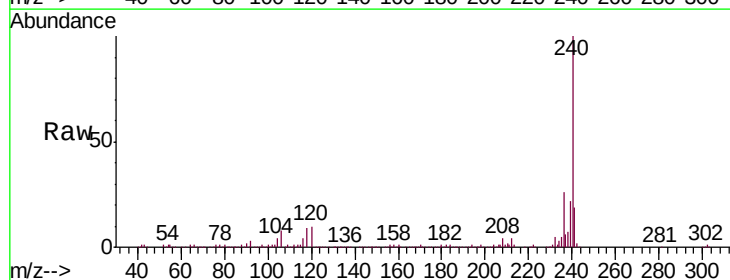


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

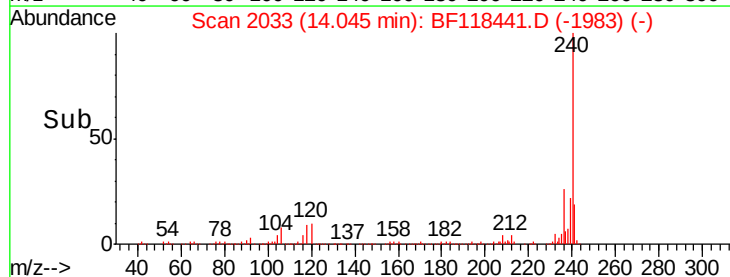
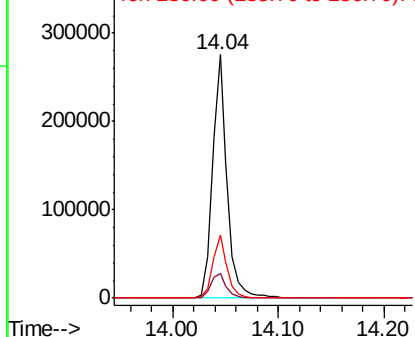


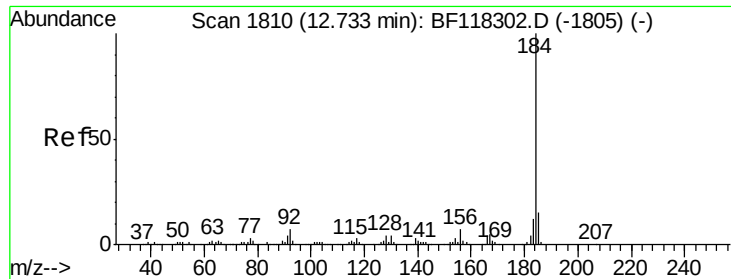
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118441.D
Acq: 2 Jan 2020 17:54

Tgt Ion:240 Resp: 266923
Ion Ratio Lower Upper
240 100
120 10.4 7.1 10.7
236 26.1 21.0 31.6



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: 2.589 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.25 min

Lab File: BF118441.D

Acq: 2 Jan 2020 17:54

Instrument :

BNA_F

ClientSampleId :

K435-WC-1

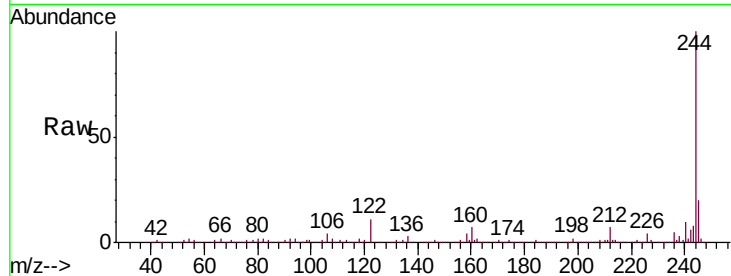
Tgt Ion:184 Resp: 18932

Ion Ratio Lower Upper

184 100

185 15.2 12.3 18.5

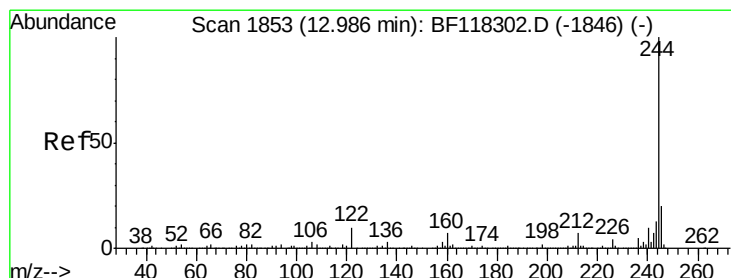
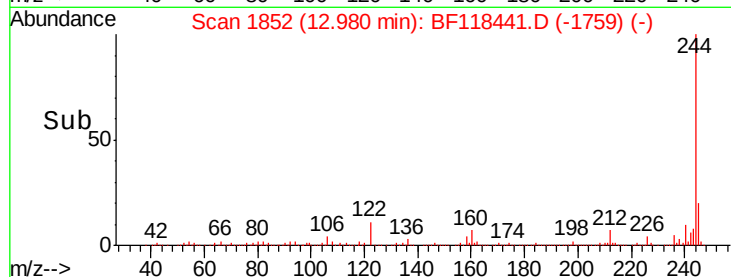
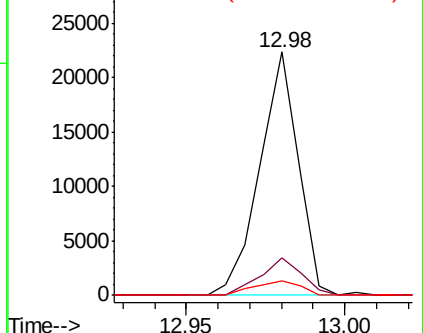
183 6.0 9.4 14.2#



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: 87.881 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118441.D

Acq: 2 Jan 2020 17:54

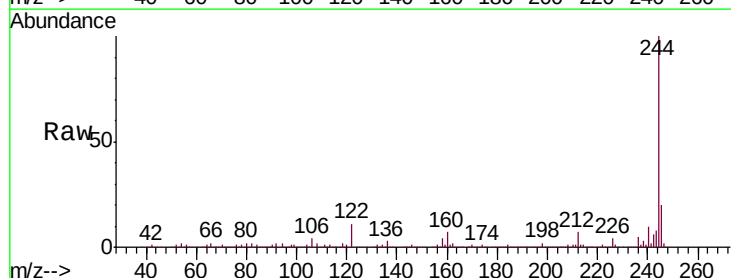
Tgt Ion:244 Resp: 1413923

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

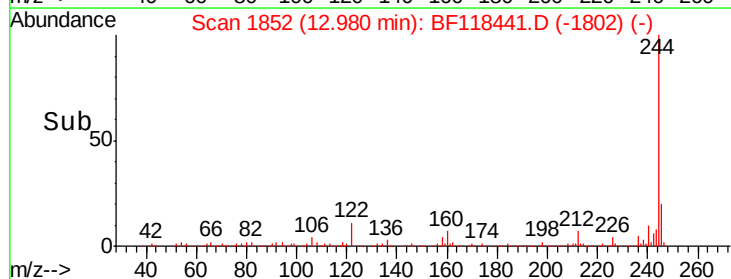
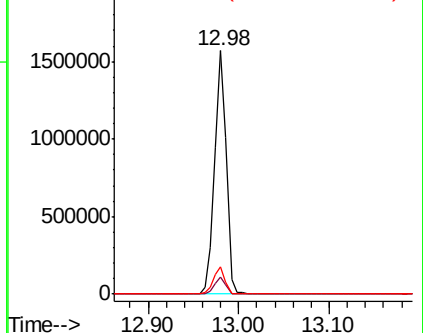
122 11.3 7.8 11.8

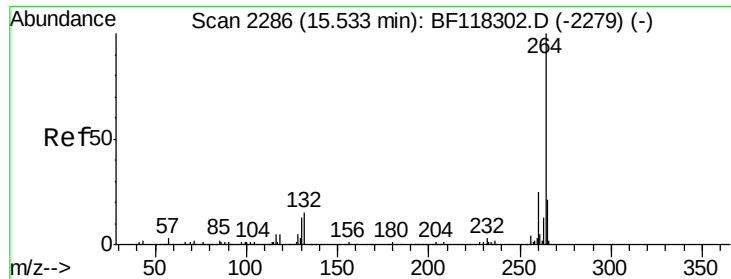


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.53 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BF118441.D
Acq: 2 Jan 2020 17:54

Instrument :
BNA_F
ClientSampleId :
K435-WC-1

Tgt Ion: 264 Resp: 278546
Ion Ratio Lower Upper
264 100
260 23.2 19.8 29.6
265 21.7 17.0 25.4

