

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119024.D
 Acq On : 24 Feb 2020 15:39
 Operator : CG/JU
 Sample : PB127020BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 25 00:24:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

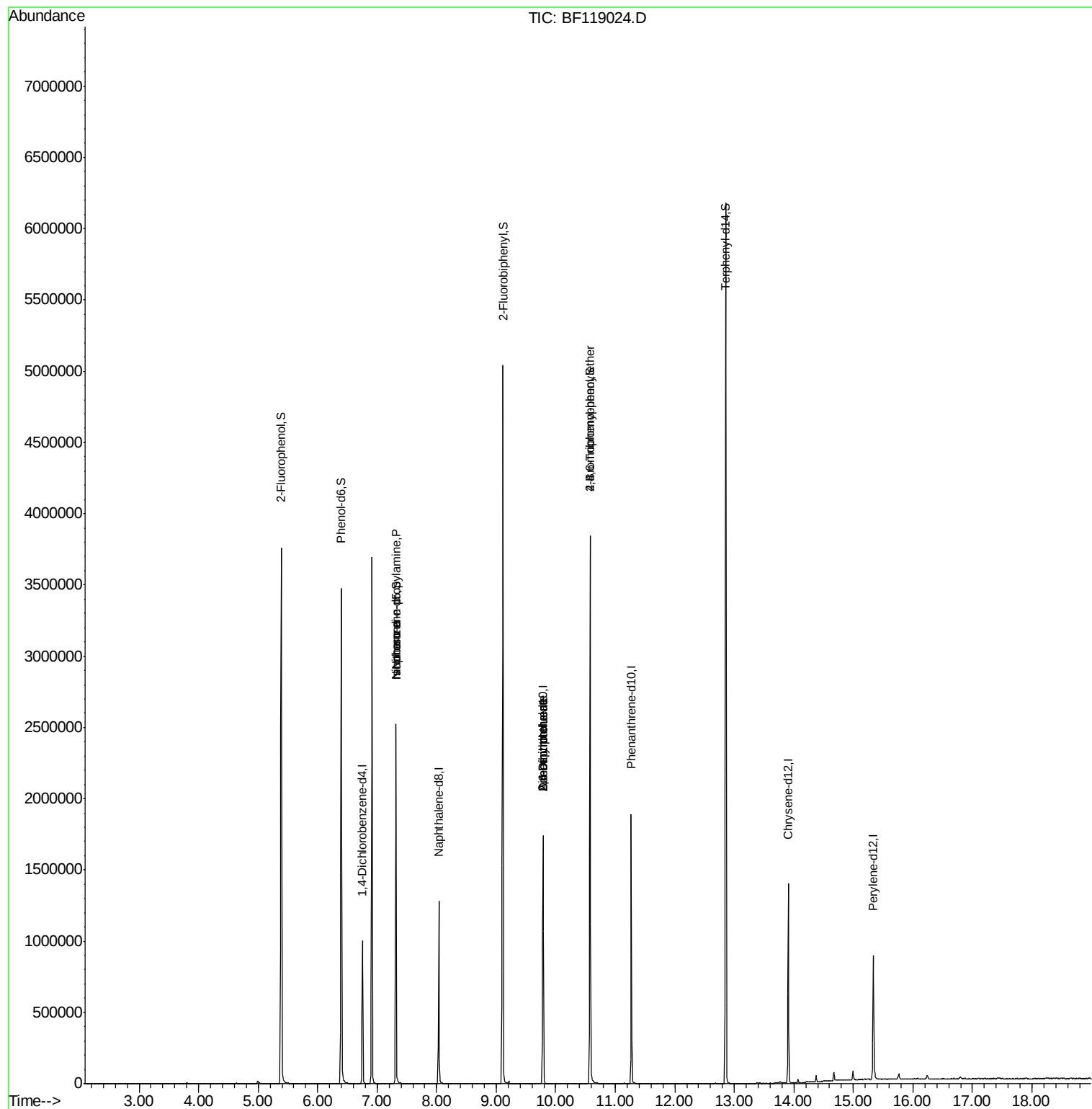
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	162687	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	639572	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	365476	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	714908	20.00	ng	0.00
76) Chrysene-d12	13.90	240	502306	20.00	ng	0.00
87) Perylene-d12	15.33	264	405514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1165640	119.74	ng	0.00
7) Phenol-d6	6.40	99	1427288	120.55	ng	0.00
23) Nitrobenzene-d5	7.32	82	942220	77.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.58	330	552761	115.62	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1923166	77.52	ng	-0.01
79) Terphenyl-d14	12.86	244	2535311	86.90	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	128372	18.608	ng	# 77
25) Isophorone	7.32	82	942208	44.788	ng	# 63
50) Dimethylphthalate	9.79	163	74821	2.677	ng	# 1
51) 2,6-Dinitrotoluene	9.79	165	47254	7.610	ng	# 29
57) 2,4-Dinitrotoluene	9.79	165	47254	5.871	ng	# 28
67) 4-Bromophenyl-phenylether	10.58	248	35915	3.843	ng	# 1

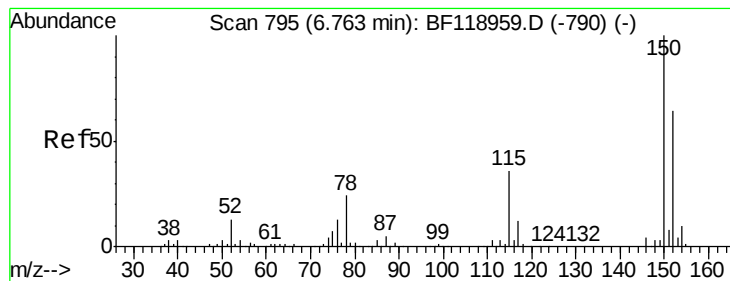
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
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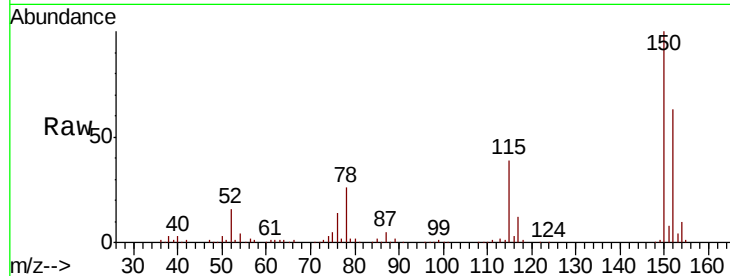


#1

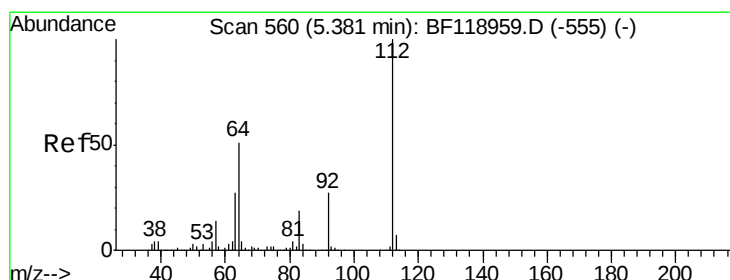
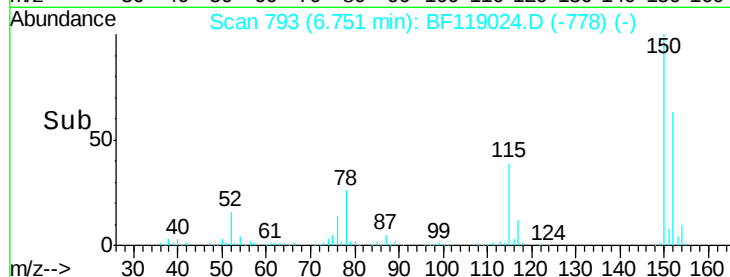
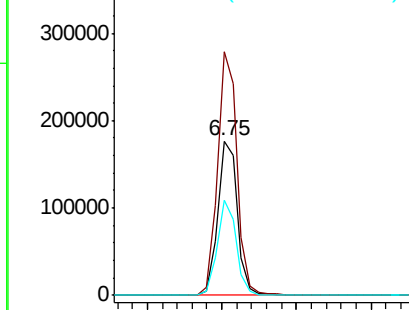
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119024.D
Acq: 24 Feb 2020 15:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.3	186.5
115	61.9	44.6	67.0



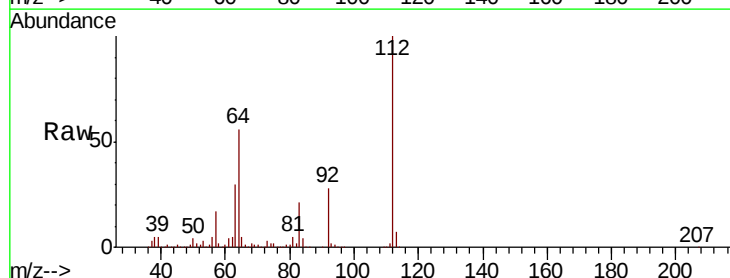
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



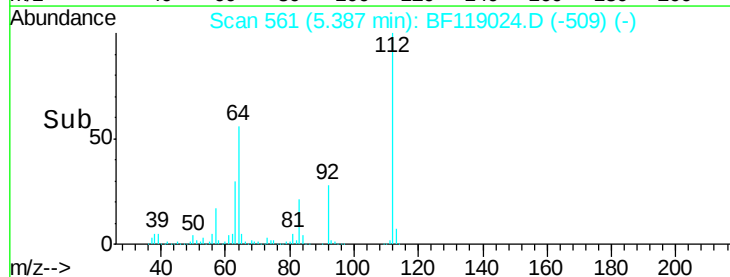
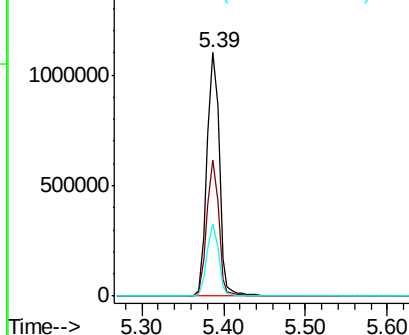
#5

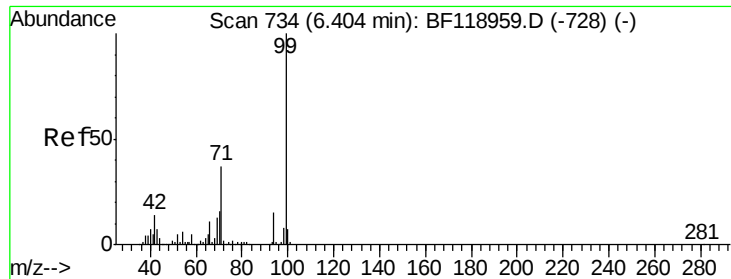
2-Fluorophenol
Concen: 119.739 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF119024.D
Acq: 24 Feb 2020 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	40.4	60.6
63	29.6	21.3	31.9



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: 120.554 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

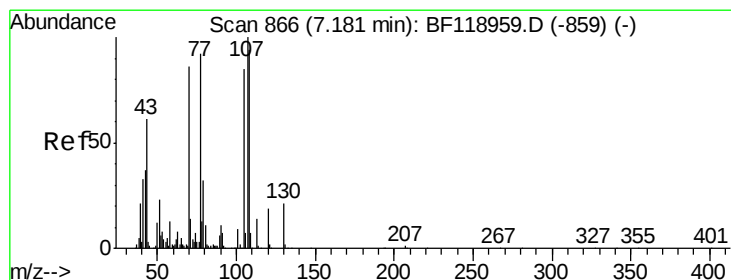
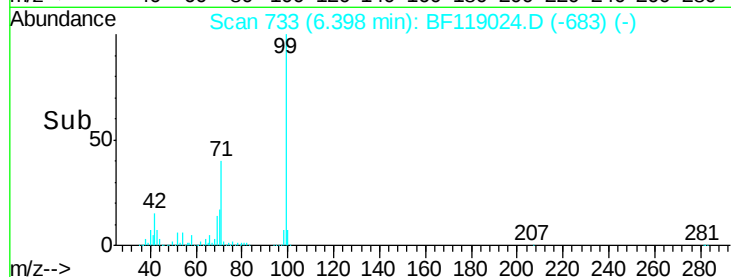
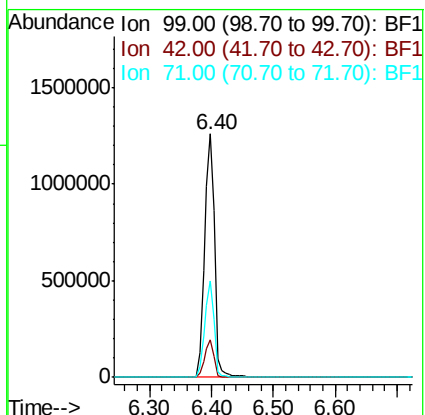
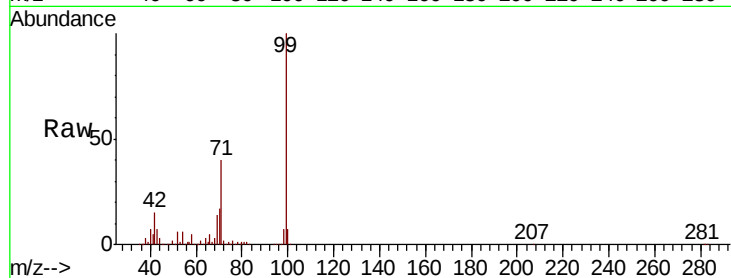
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1427288

Ion	Ratio	Lower	Upper
99	100		
42	15.4	11.4	17.0
71	39.9	29.8	44.6



#19

n-Nitroso-di-n-propylamine

Concen: 18.608 ng

RT: 7.32 min Scan# 889

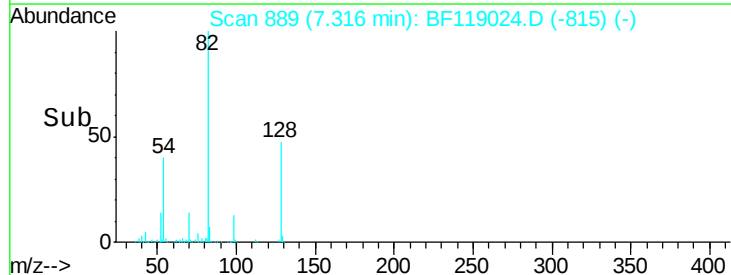
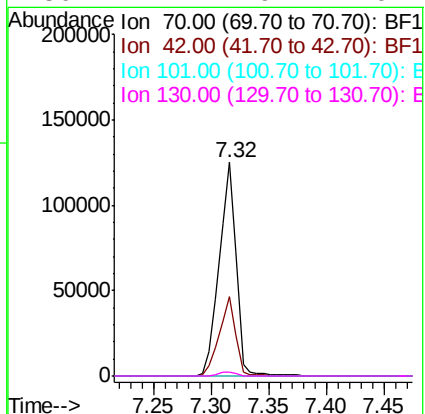
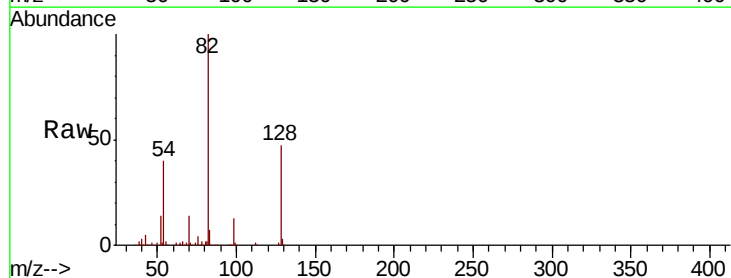
Delta R.T. 0.14 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

Tgt Ion: 70 Resp: 128372

Ion	Ratio	Lower	Upper
70	100		
42	36.9	34.6	51.8
101	0.0	8.1	12.1#
130	2.1	19.4	29.2#

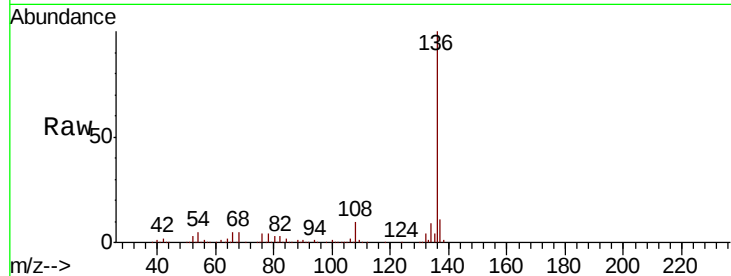




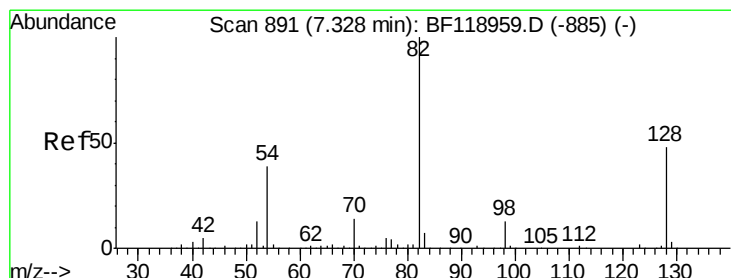
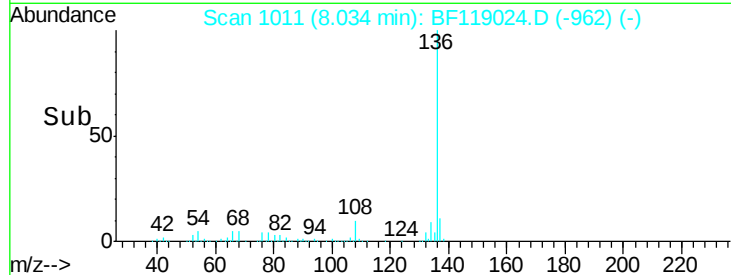
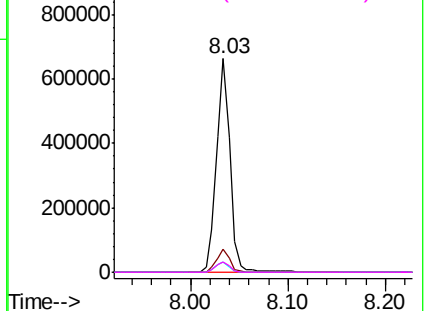
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF119024.D
Acq: 24 Feb 2020 15:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	639572	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.9	13.3	
54 5.0	3.8	5.6	
68 5.0	4.2	6.2	

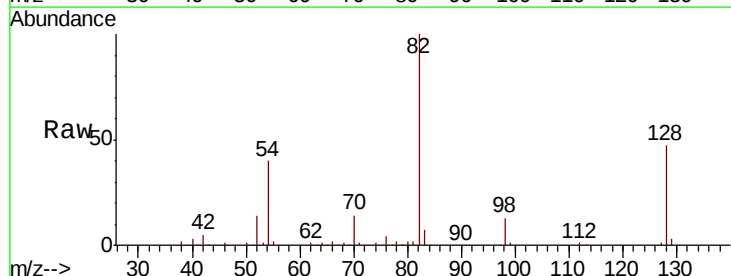


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

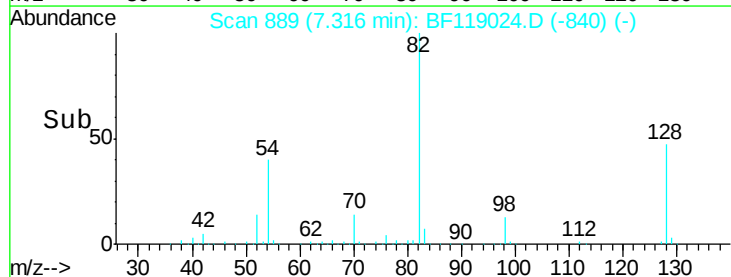
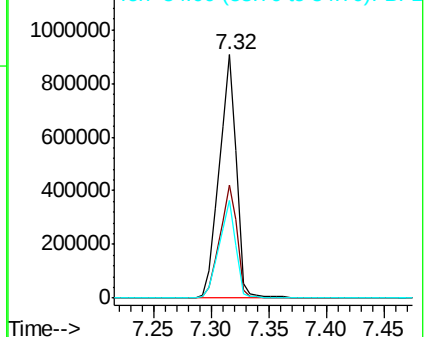


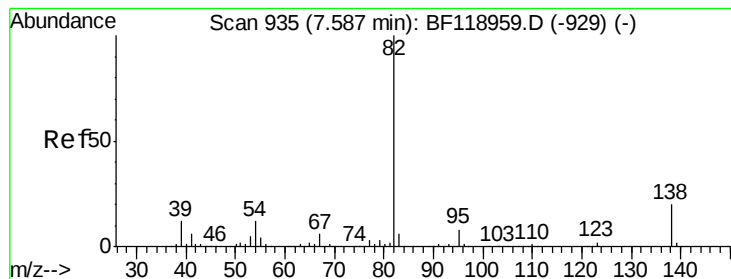
#23
Nitrobenzene-d5
Concen: 77.785 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF119024.D
Acq: 24 Feb 2020 15:39

Tgt Ion: 82	Resp: 942220
Ion Ratio	Lower Upper
82 100	
128 46.6	38.2 57.2
54 40.1	31.3 46.9



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: 44.788 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

Instrument :

BNA_F

ClientSampleId :

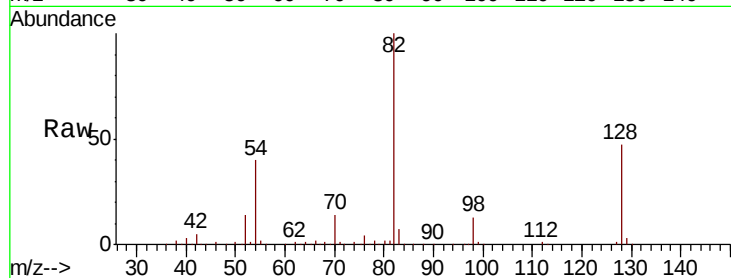
Tot Ion: 82 Resp: 942208

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

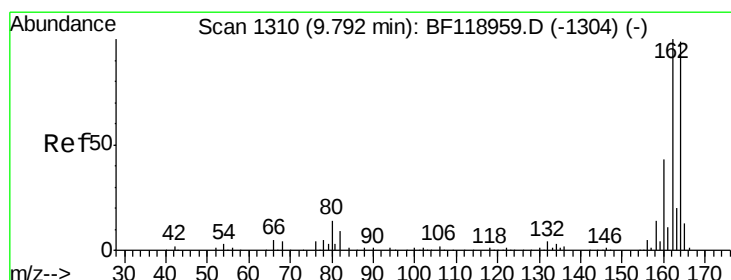
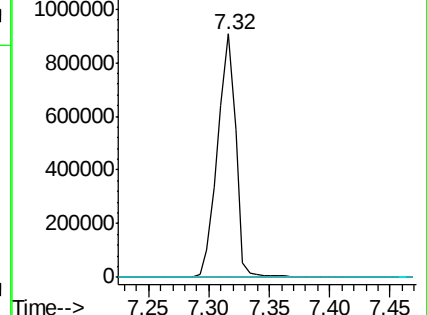
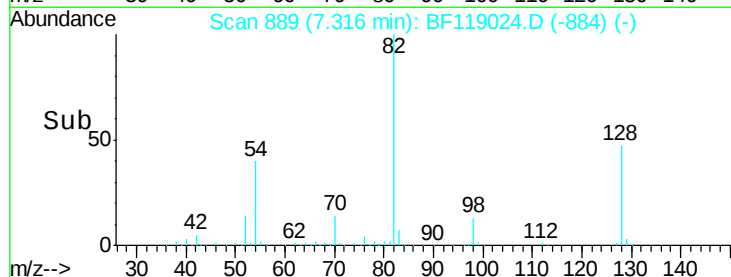
138 0.0 15.8 23.6#



Abundance Ion 82.00 (81.70 to 82.70): BF119024.D (-884) (-)

Ion 95.00 (94.70 to 95.70): BF119024.D (-884) (-)

Ion 138.00 (137.70 to 138.70): BF119024.D (-884) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

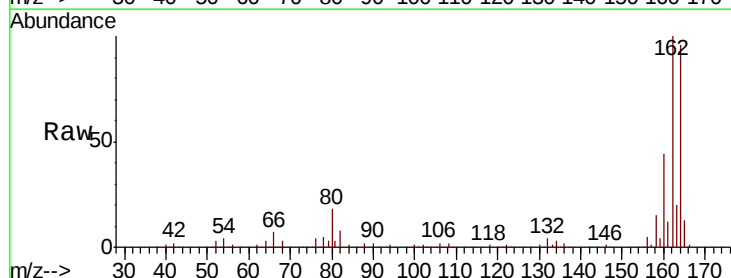
Tgt Ion: 164 Resp: 365476

Ion Ratio Lower Upper

164 100

162 104.1 81.2 121.8

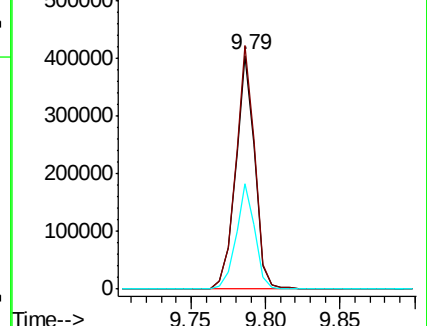
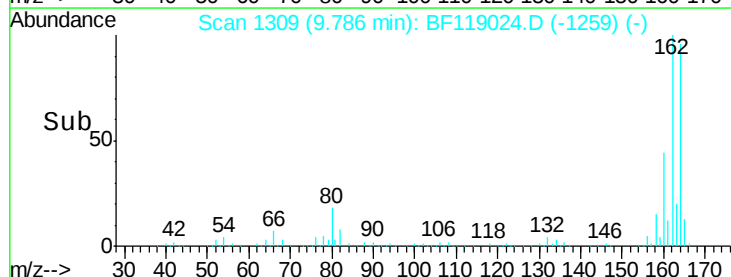
160 45.3 35.2 52.8



Abundance Ion 164.00 (163.70 to 164.70): BF119024.D (-1259) (-)

Ion 162.00 (161.70 to 162.70): BF119024.D (-1259) (-)

Ion 160.00 (159.70 to 160.70): BF119024.D (-1259) (-)





#42

2,4,6-Tribromophenol

Concen: 115.615 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.00 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

Instrument :

BNA_F

ClientSampleId :

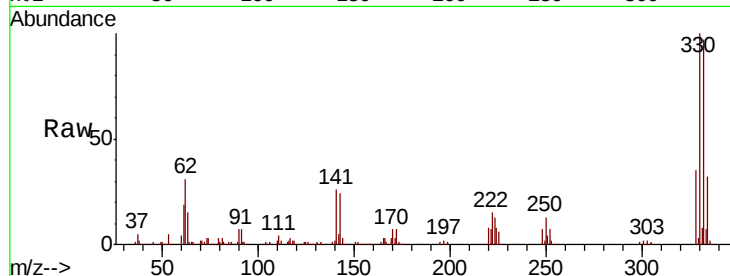
Tot Ion:330 Resp: 552761

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

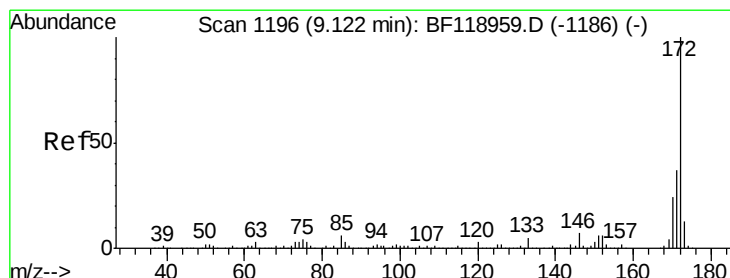
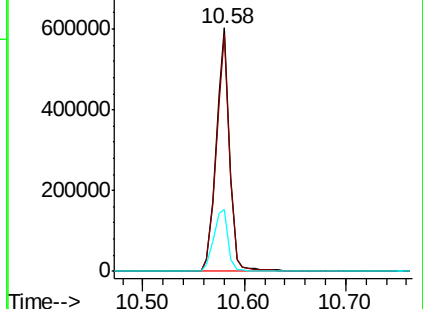
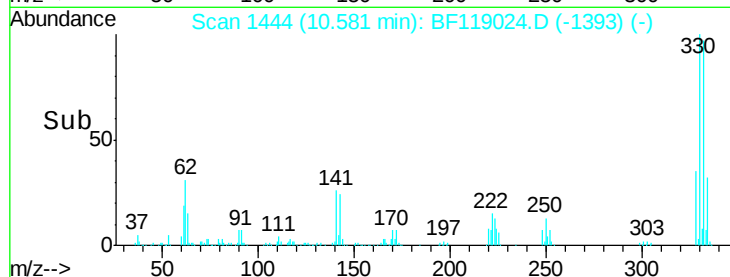
141 28.4 23.0 34.6



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: 77.520 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

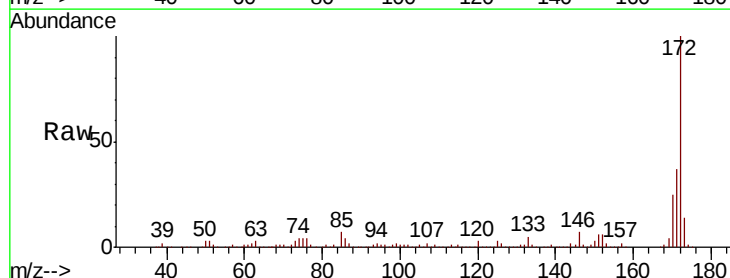
Tgt Ion:172 Resp: 1923166

Ion Ratio Lower Upper

172 100

171 37.3 29.4 44.2

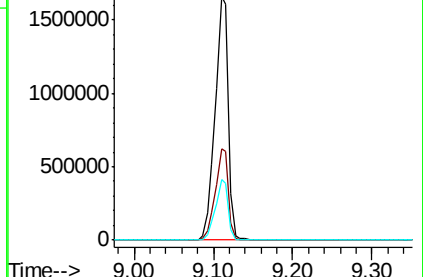
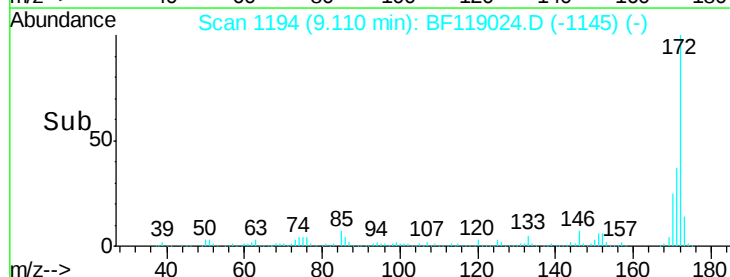
170 24.6 19.6 29.4

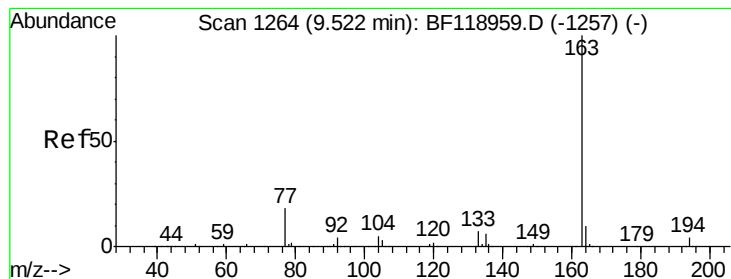


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.677 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.26 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

Instrument :

BNA_F

ClientSampled :

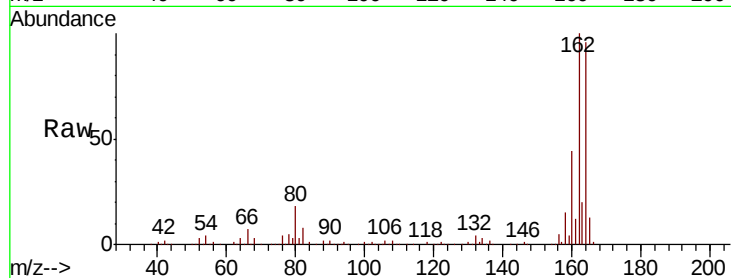
Tot Ion:163 Resp: 74821

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

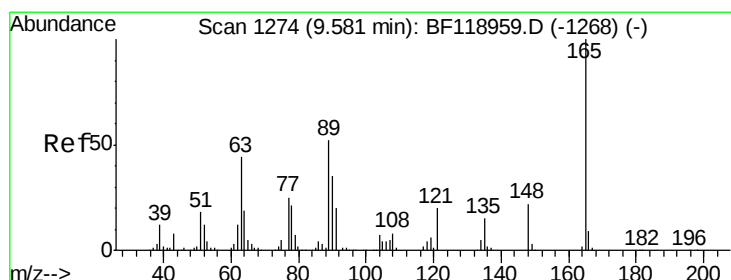
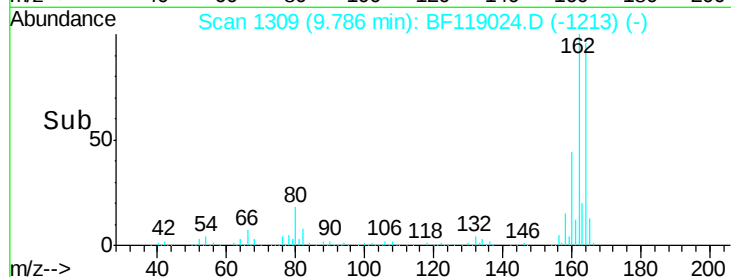
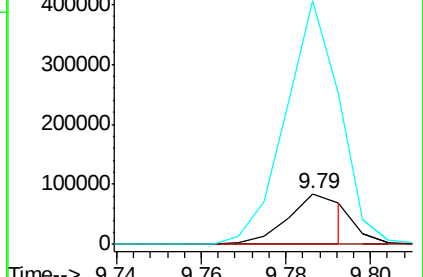
164 480.5 8.2 12.2#



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



#51

2,6-Dinitrotoluene

Concen: 7.610 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.21 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

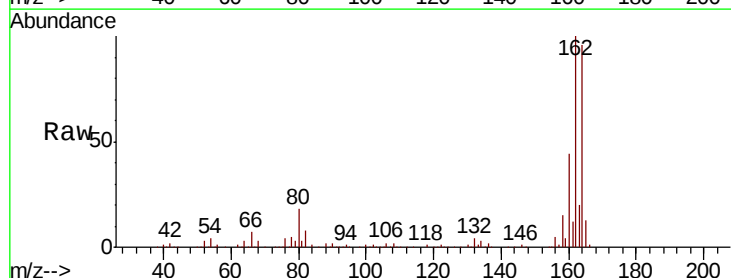
Tgt Ion:165 Resp: 47254

Ion Ratio Lower Upper

165 100

63 1.1 37.9 56.9#

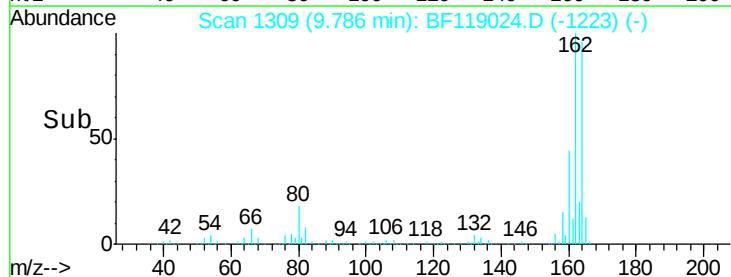
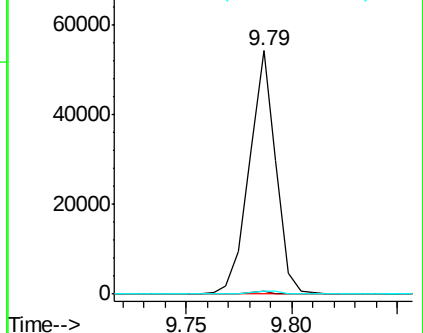
89 1.1 41.4 62.0#



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

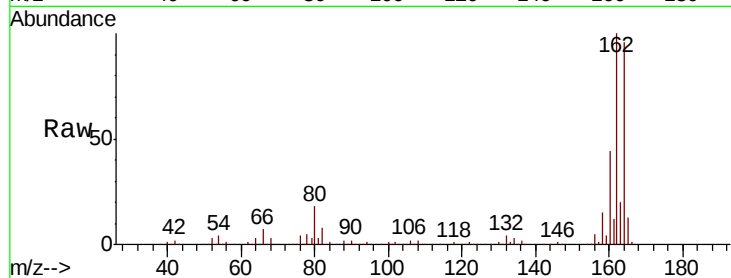




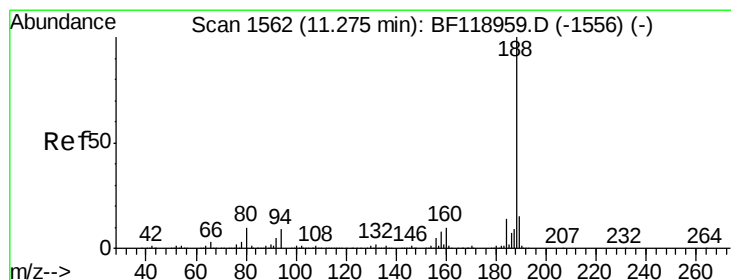
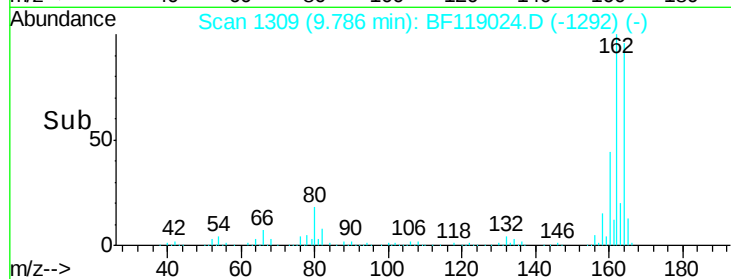
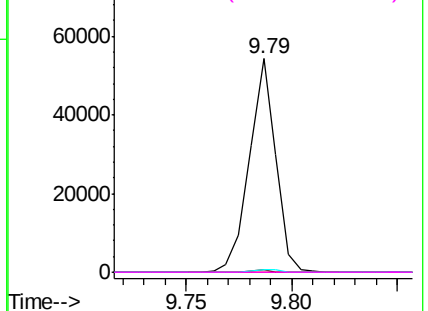
#57
 2,4-Dinitrotoluene
 Concen: 5.871 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.20 min
 Lab File: BF119024.D
 Acq: 24 Feb 2020 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	47254
Ion Ratio	Lower	Upper
165	100	
63	1.1	29.8 44.8#
89	1.1	51.9 77.9#
182	0.0	2.3 3.5#

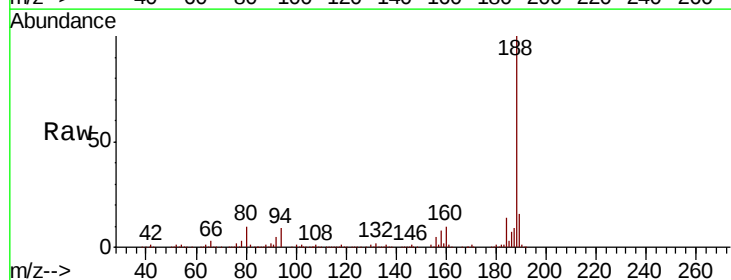


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

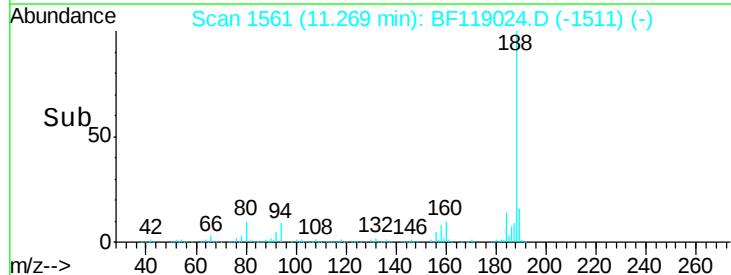
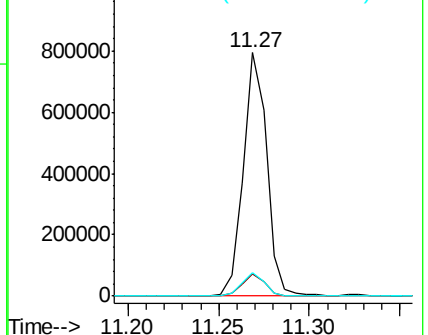


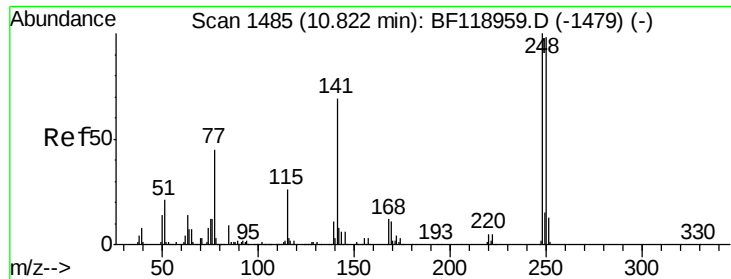
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF119024.D
 Acq: 24 Feb 2020 15:39

Tgt Ion:188	Resp:	714908
Ion Ratio	Lower	Upper
188	100	
94	9.0	7.0 10.6
80	9.7	7.9 11.9



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

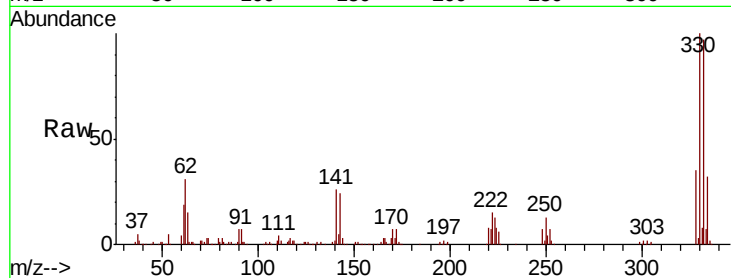




#67
4-Bromophenyl-phenylether
Concen: 3.843 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.24 min
Lab File: BF119024.D
Acq: 24 Feb 2020 15:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	202.3	78.8	118.2#
141	391.4	55.3	82.9#

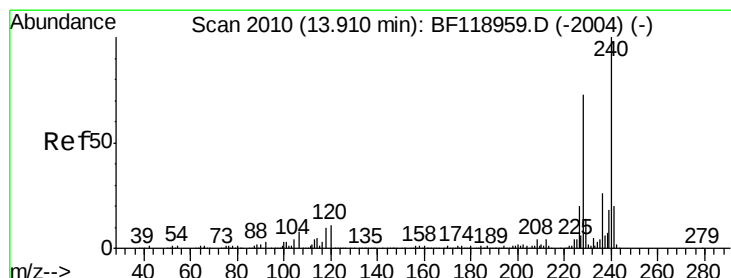
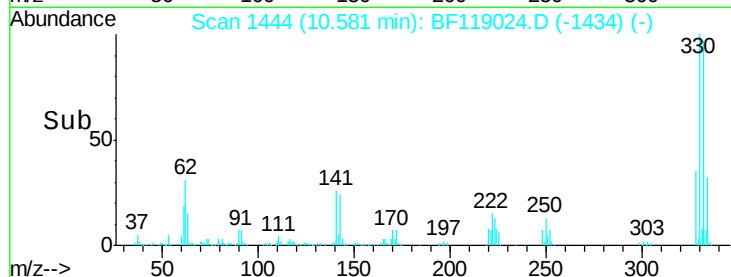
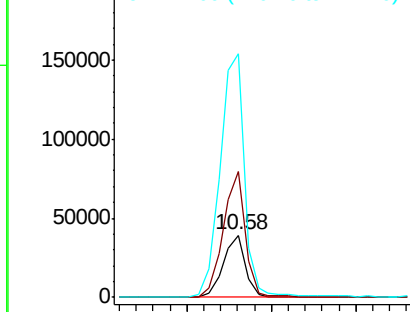


Abundance

Ion 248.00 (247.70 to 248.70): E

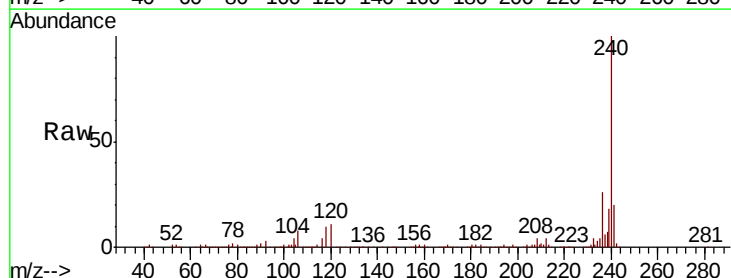
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF119024.D
Acq: 24 Feb 2020 15:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	26.1	20.6	30.8

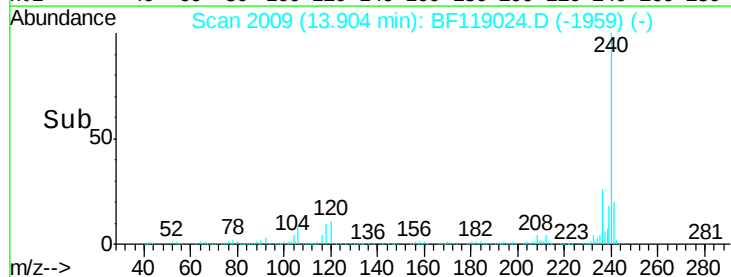
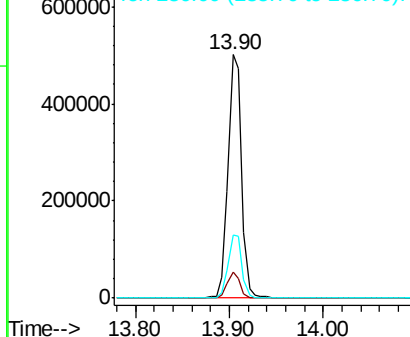


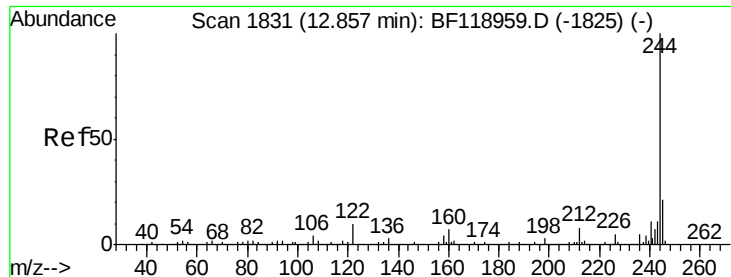
Abundance

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





#79

Terphenyl-d14

Concen: 86.899 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

Instrument :

BNA_F

ClientSampleId :

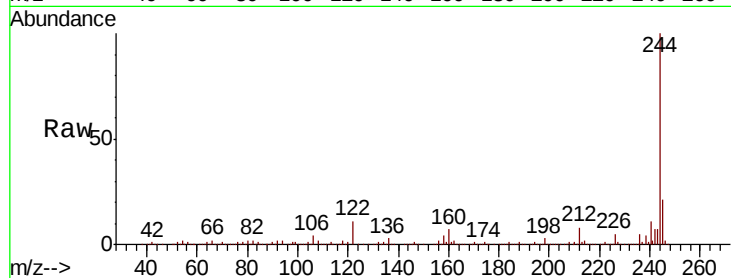
Tot Ion:244 Resp: 2535311

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

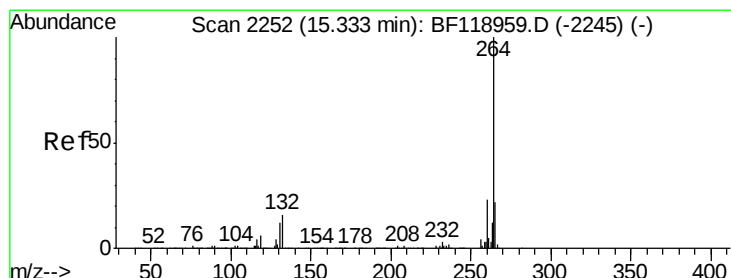
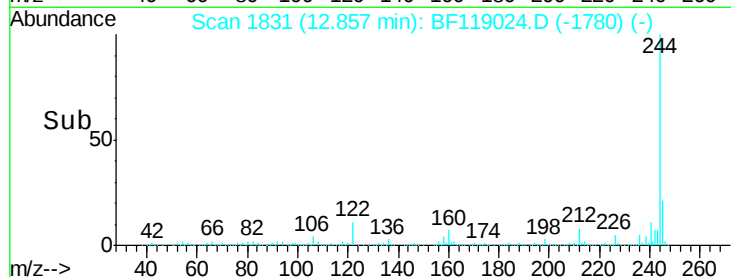
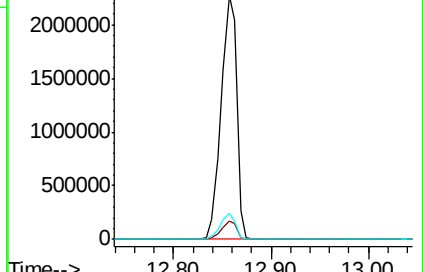
122 10.7 8.4 12.6



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: 15.33 min Scan# 2252

Delta R.T. 0.00 min

Lab File: BF119024.D

Acq: 24 Feb 2020 15:39

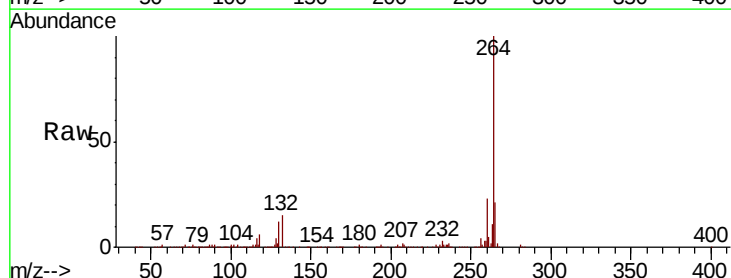
Tgt Ion:264 Resp: 405514

Ion Ratio Lower Upper

264 100

260 22.6 18.6 28.0

265 21.4 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

