

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116527.D
 Acq On : 25 Aug 2019 13:05
 Operator : HP/JU
 Sample : K4475-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:26:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	160825	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	638838	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	330908	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	508116	20.00	ng	0.00
76) Chrysene-d12	14.03	240	293141	20.00	ng	0.00
87) Perylene-d12	15.50	264	265687	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1021530	92.81	ng	0.01
7) Phenol-d6	6.51	99	1398015	103.59	ng	0.00
23) Nitrobenzene-d5	7.44	82	897024	76.82	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	314356	110.63	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1553464	75.60	ng	0.00
79) Terphenyl-d14	12.99	244	1320758	84.16	ng	0.00

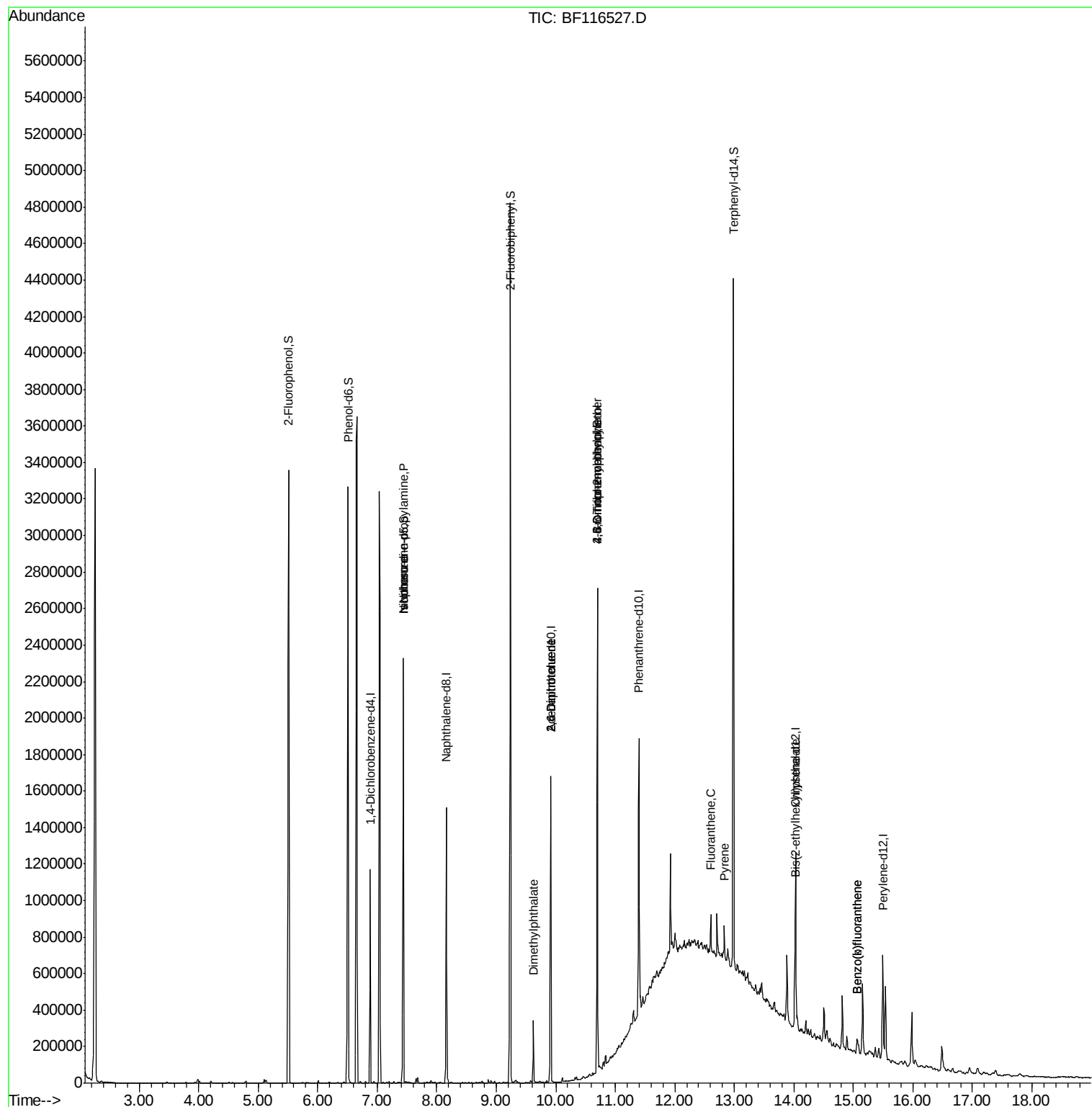
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	121649	13.210	ng	# 77
25) Isophorone	7.44	82	894746	38.883	ng	# 67
50) Dimethylphthalate	9.62	163	123860	5.365	ng	99
51) 2,6-Dinitrotoluene	9.92	165	43823	9.273	ng	# 26
57) 2,4-Dinitrotoluene	9.92	165	43823	7.288	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	718	7.300	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	20641	3.875	ng	# 1
75) Fluoranthene	12.60	202	67928	2.374	ng	93
78) Pyrene	12.83	202	72423	3.089	ng	97
84) Bis(2-ethylhexyl)phthalate	14.02	149	73538	5.447	ng	98
88) Benzo(b)fluoranthene	15.06	252	56422	3.438	ng	# 97
89) Benzo(k)fluoranthene	15.06	252	56422	3.795	ng	# 95

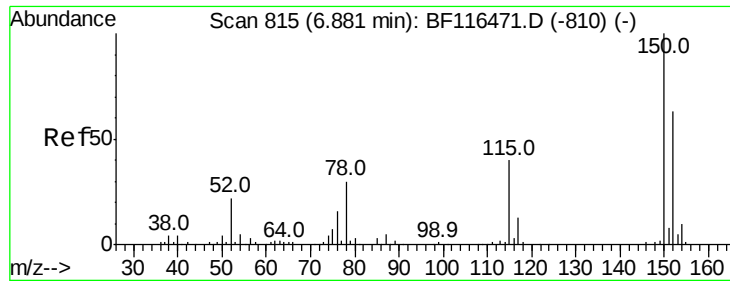
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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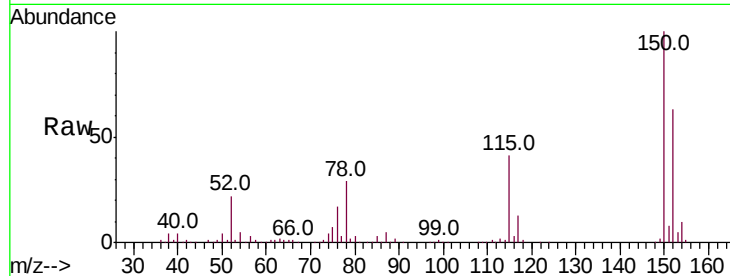


#1

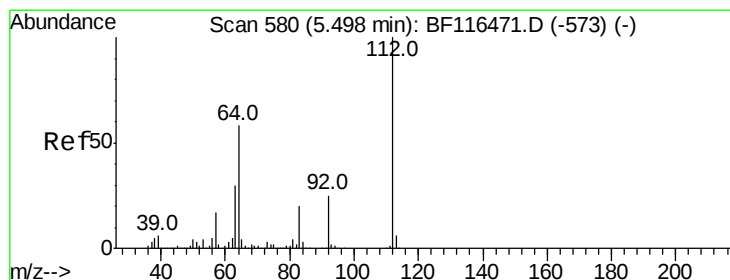
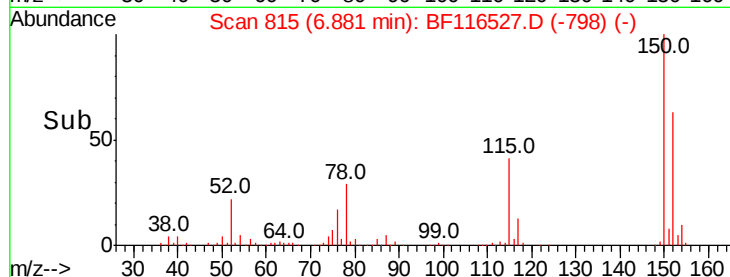
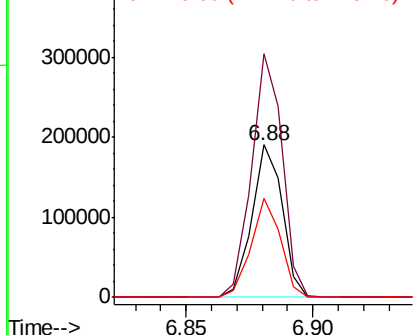
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160825
Ion Ratio Lower Upper
152 100
150 159.9 126.7 190.1
115 64.9 50.9 76.3



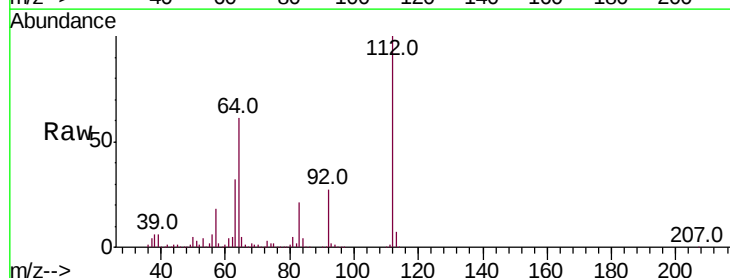
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



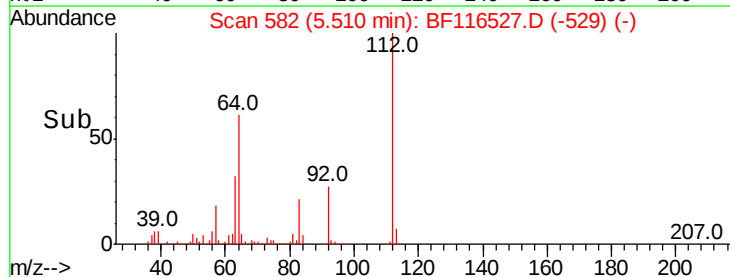
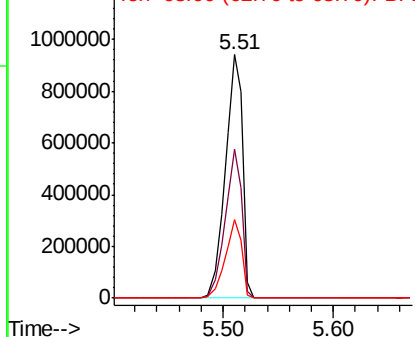
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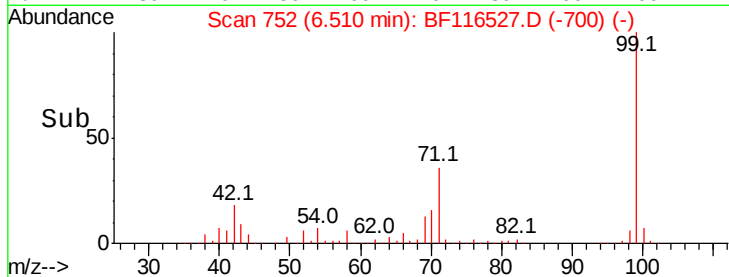
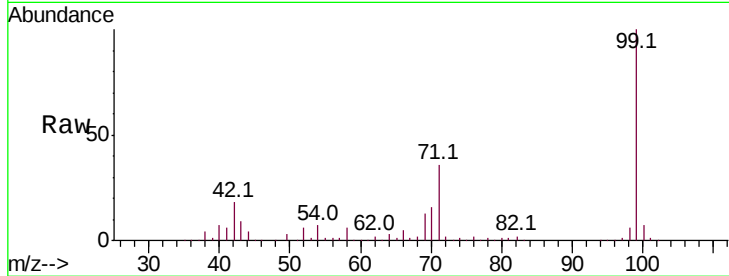
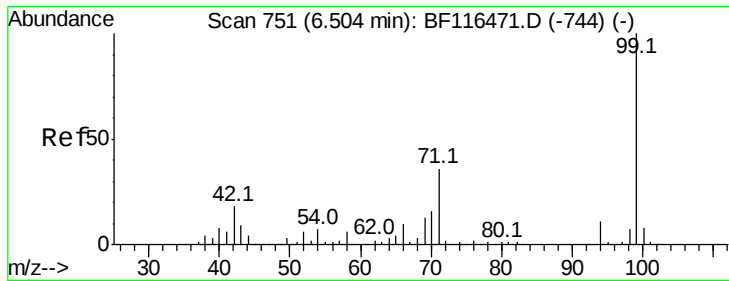
2-Fluorophenol
Concen: 92.809 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

Tgt Ion:112 Resp: 1021530
Ion Ratio Lower Upper
112 100
64 60.9 46.3 69.5
63 32.4 24.2 36.4



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: 103.588 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

Instrument :

BNA_F

ClientSampleId :

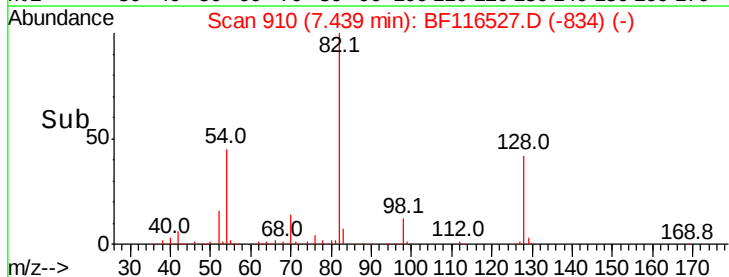
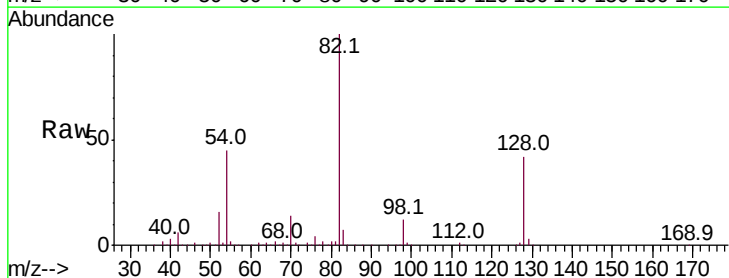
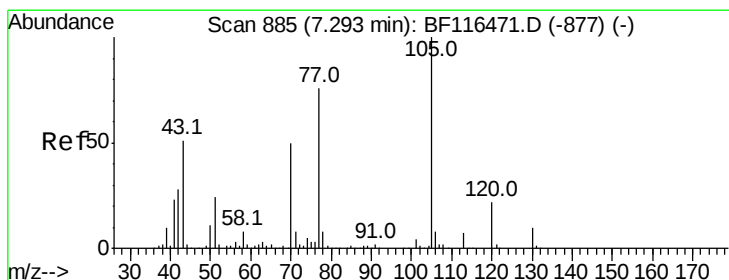
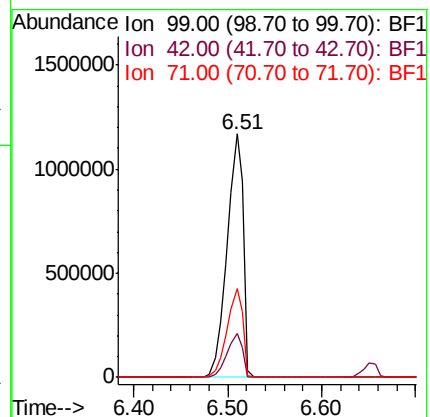
Tot Ion: 99 Resp: 1398015

Ion Ratio Lower Upper

99 100

42 17.8 14.6 21.8

71 36.4 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.210 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

Tgt Ion: 70 Resp: 121649

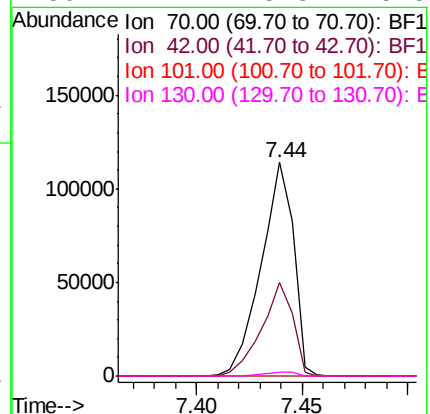
Ion Ratio Lower Upper

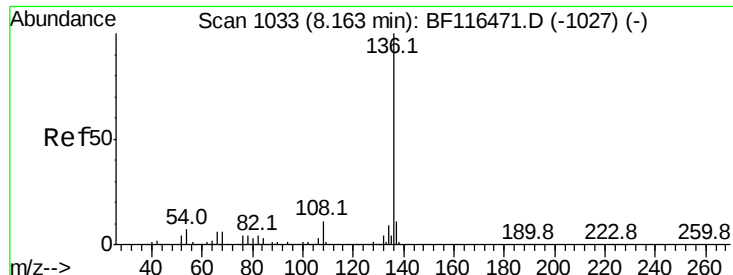
70 100

42 43.6 44.4 66.6#

101 0.0 7.1 10.7#

130 2.1 15.8 23.8#

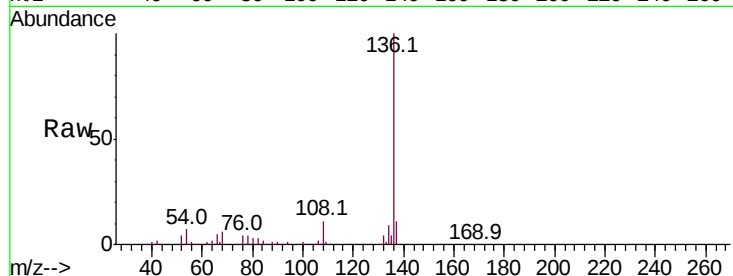




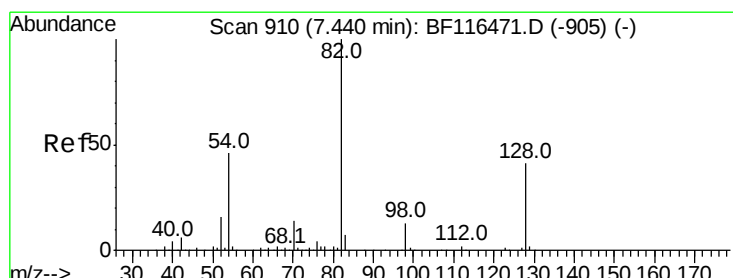
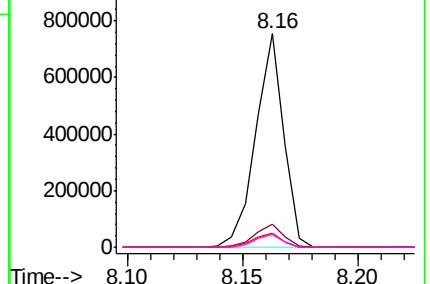
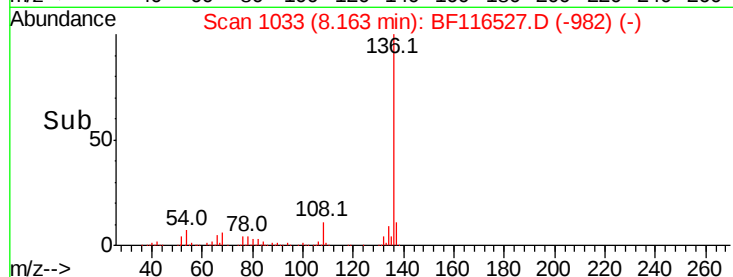
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 638838
Ion Ratio	Lower Upper
136 100	
137 10.9	9.0 13.4
54 6.7	5.8 8.6
68 6.0	5.1 7.7

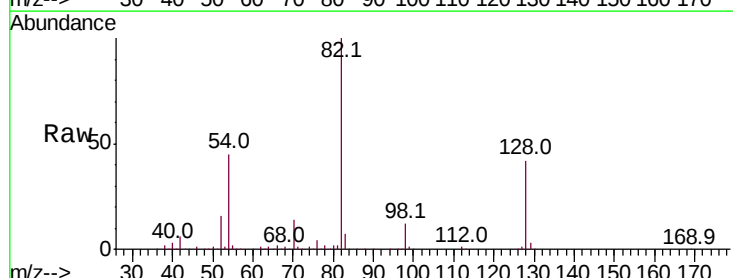


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

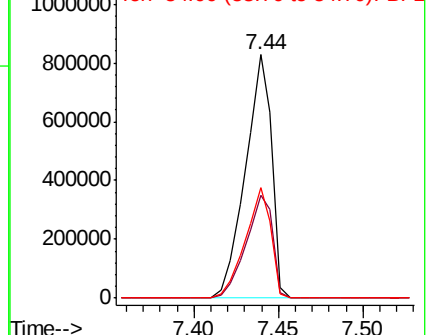
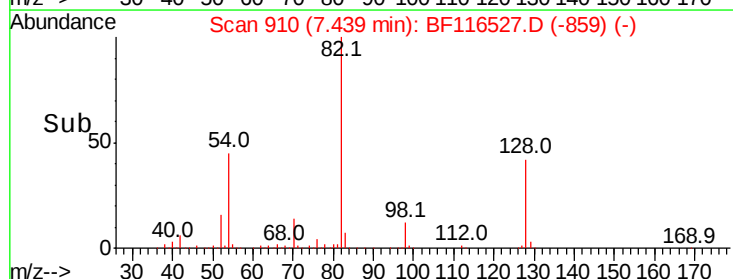


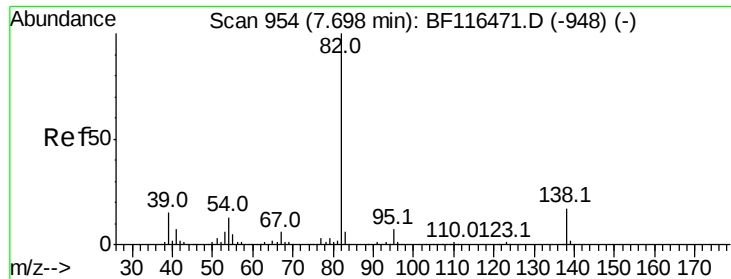
#23
Nitrobenzene-d5
Concen: 76.821 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

Tgt Ion: 82	Resp: 897024
Ion Ratio	Lower Upper
82 100	
128 42.2	32.2 48.4
54 45.2	36.5 54.7



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: 38.883 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

Instrument :

BNA_F

ClientSampleId :

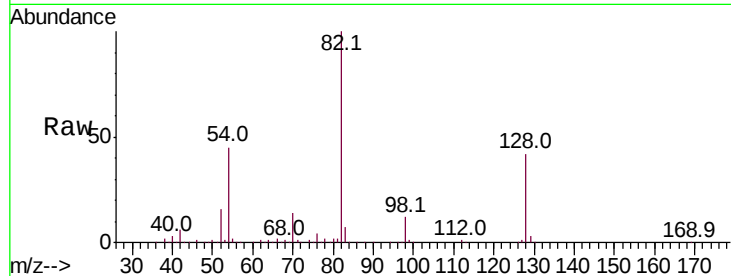
Tot Ion: 82 Resp: 894746

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

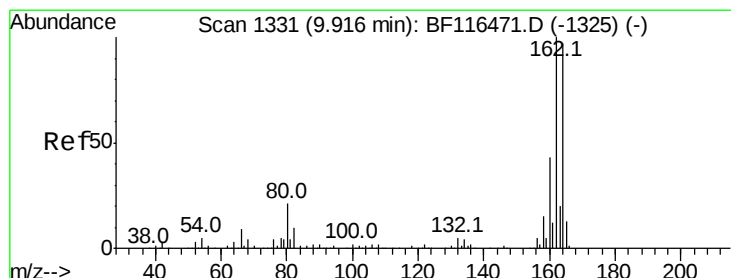
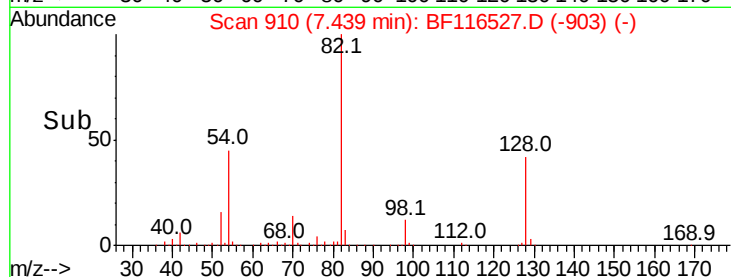
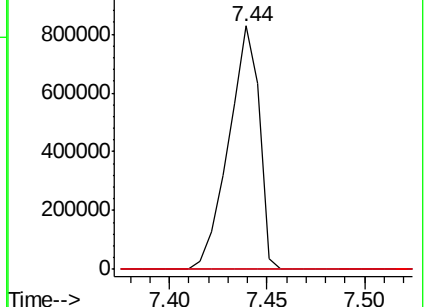
138 0.0 13.3 19.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

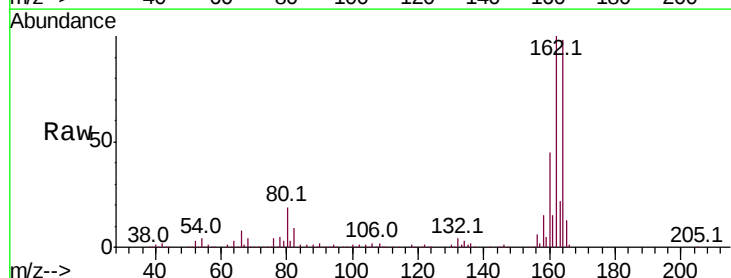
Tgt Ion:164 Resp: 330908

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

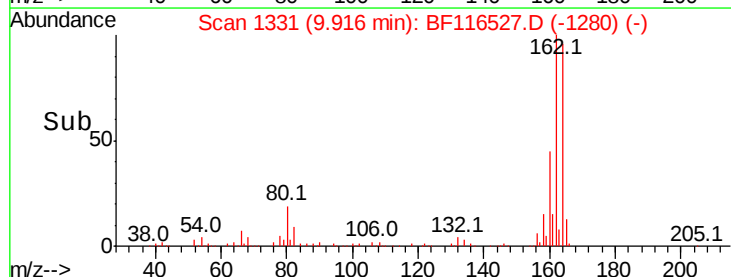
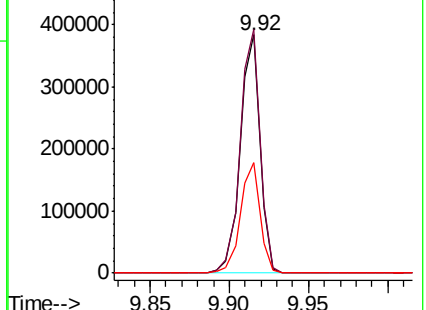
160 46.2 35.8 53.8

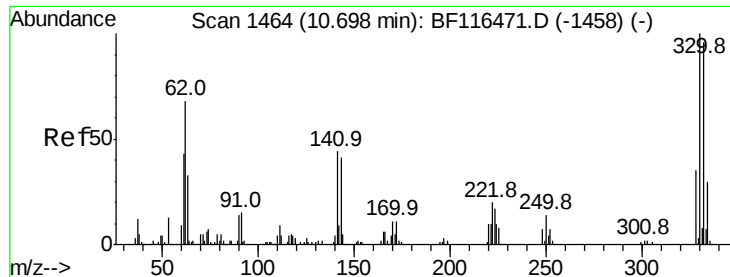


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

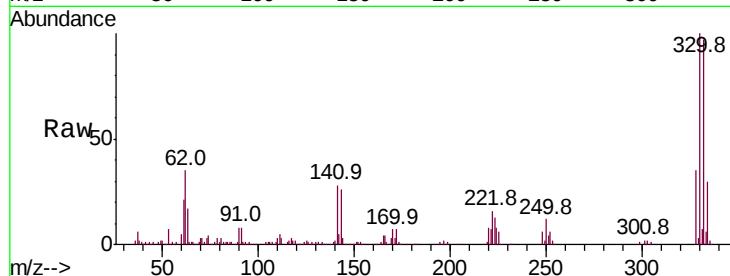




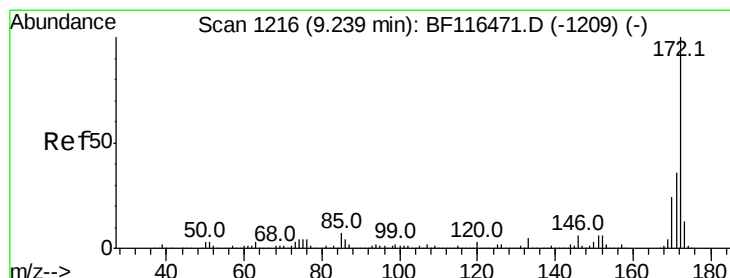
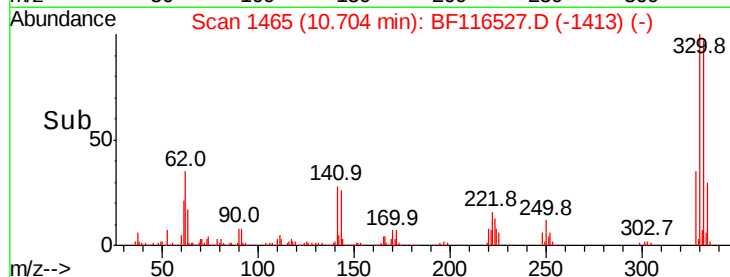
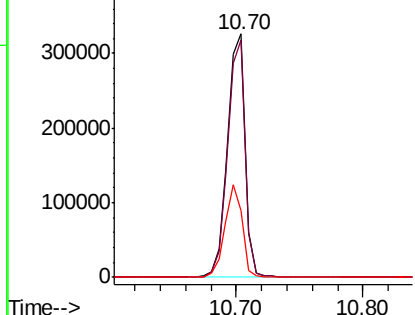
#42
 2,4,6-Tribromophenol
 Concen: 110.634 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: BF116527.D
 Acq: 25 Aug 2019 13:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.2	115.8
141	37.8	33.3	49.9

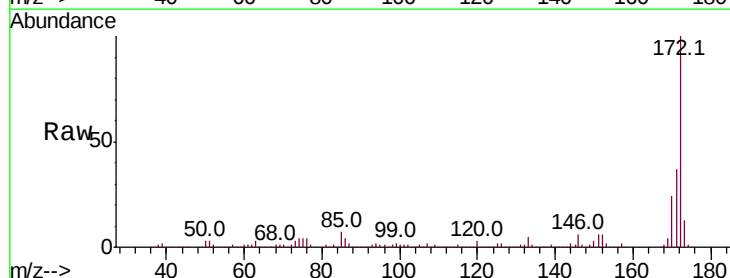


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

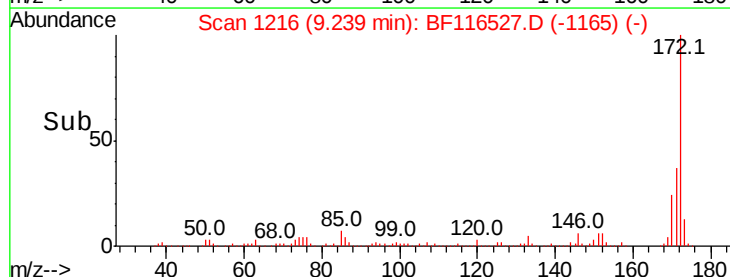
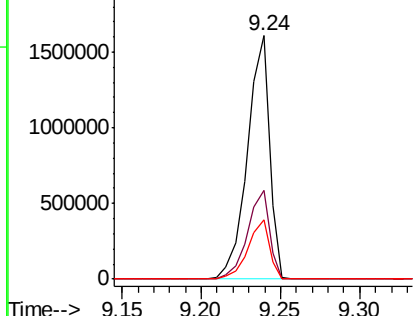


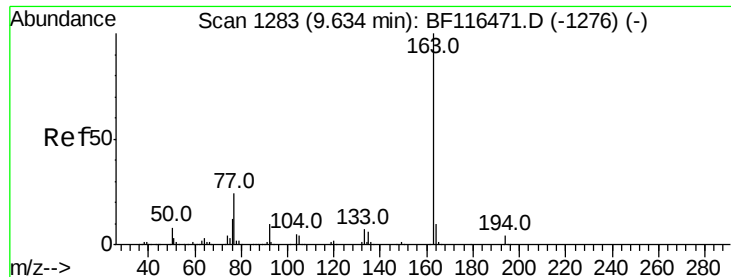
#45
 2-Fluorobiphenyl
 Concen: 75.601 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116527.D
 Acq: 25 Aug 2019 13:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.9	43.3
170	24.3	19.4	29.0



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

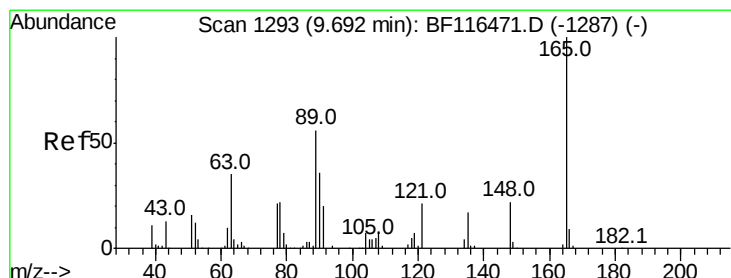
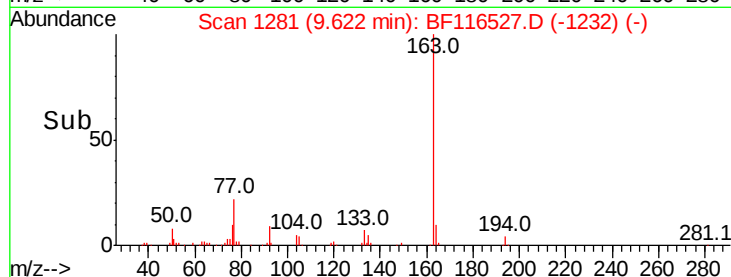
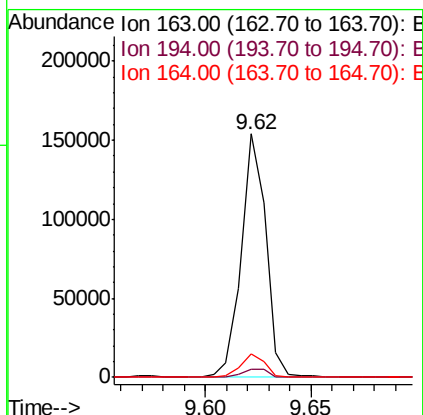
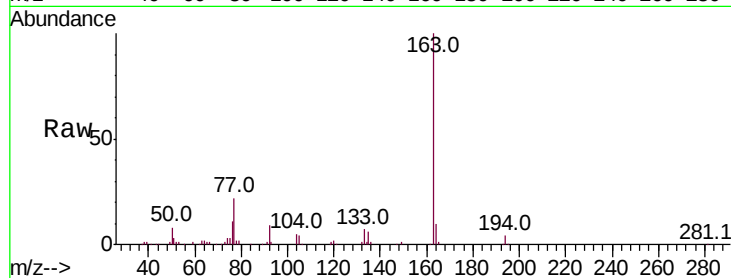




#50
Dimethylphthalate
Concen: 5.365 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

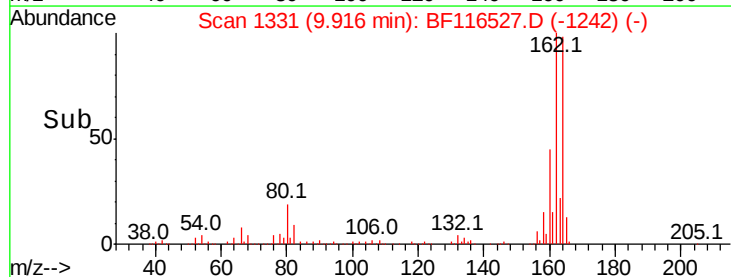
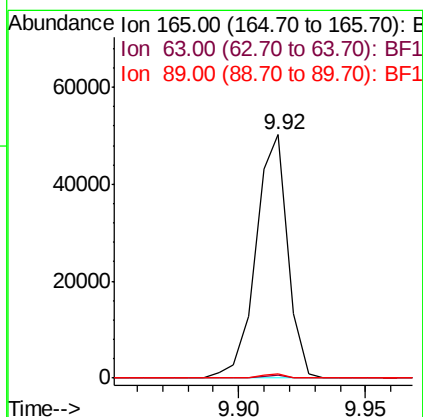
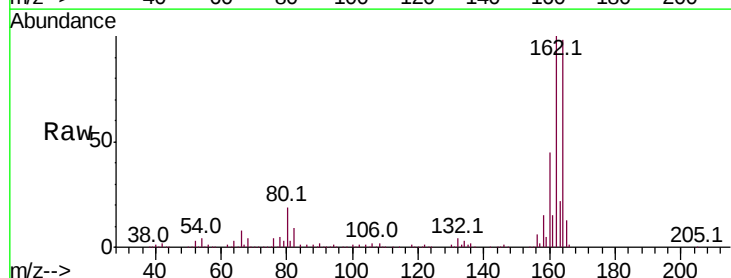
Instrument :
BNA_F
ClientSampleId :

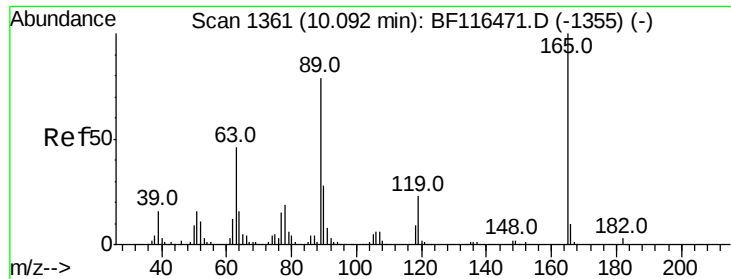
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.8	8.2	12.2



#51
2,6-Dinitrotoluene
Concen: 9.273 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.22 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.7	65.5#
89	1.6	45.1	67.7#

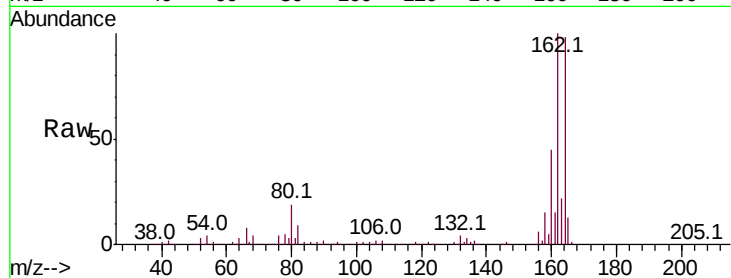




#57
 2,4-Dinitrotoluene
 Concen: 7.288 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116527.D
 Acq: 25 Aug 2019 13:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.9	55.3#
89	1.6	63.4	95.0#
182	0.0	2.1	3.1#



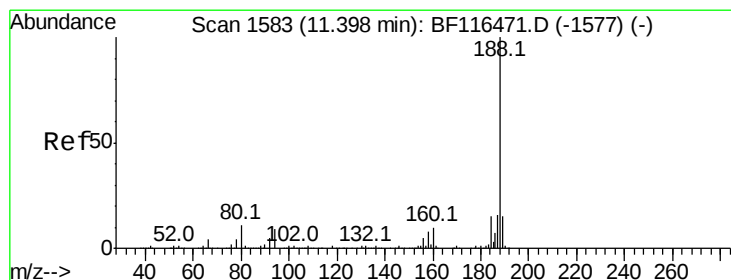
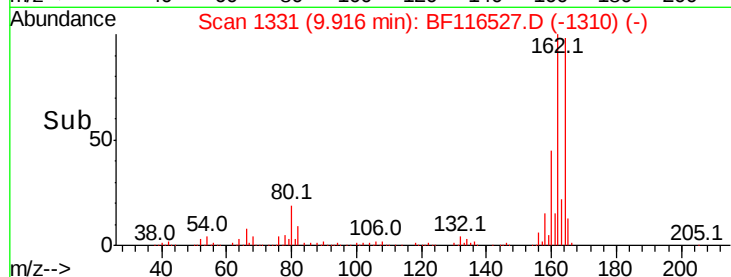
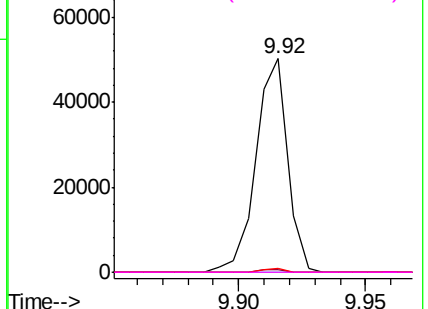
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

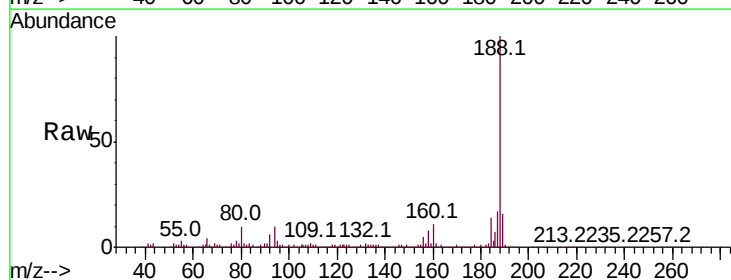
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF116527.D
 Acq: 25 Aug 2019 13:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.4	11.2
80	10.4	8.6	12.8

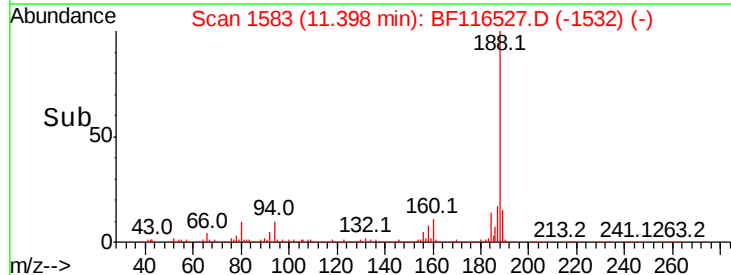
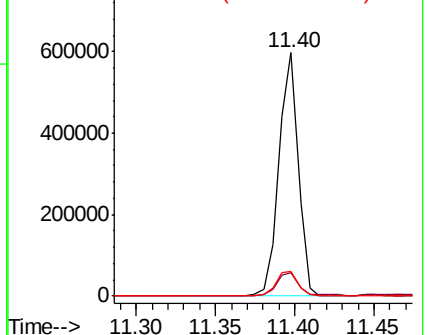


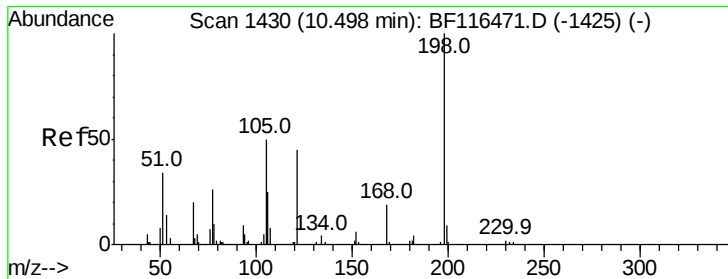
Abundance

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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.300 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.20 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

Instrument :

BNA_F

ClientSampleId :

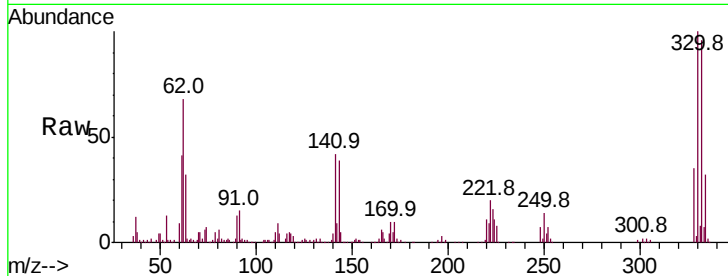
Tot Ion:198 Resp: 718

Ion Ratio Lower Upper

198 100

51 258.8 30.4 70.4#

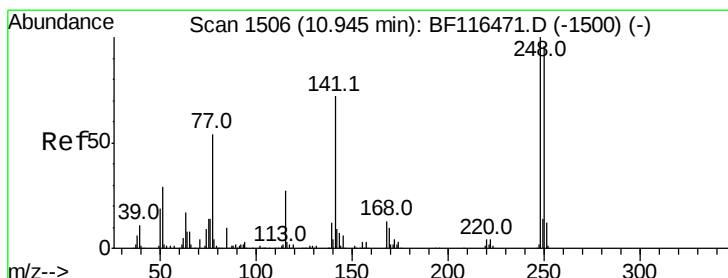
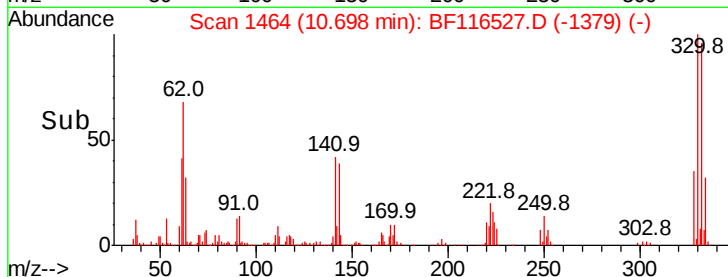
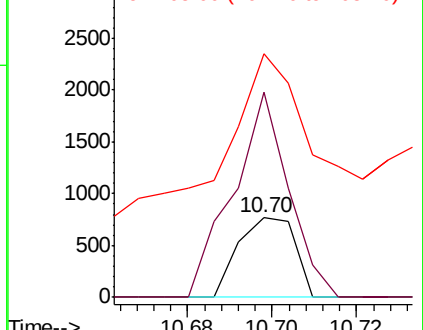
105 307.2 32.8 72.8#



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



#67

4-Bromophenyl-phenylether

Concen: 3.875 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.25 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

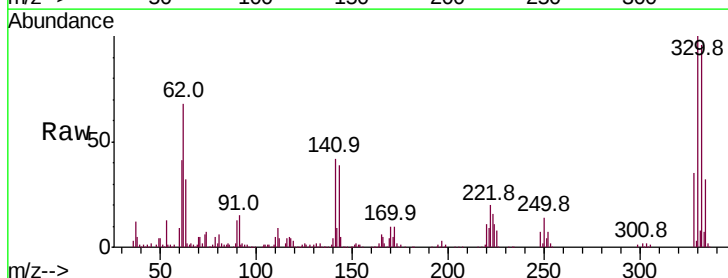
Tgt Ion:248 Resp: 20641

Ion Ratio Lower Upper

248 100

250 202.6 77.0 115.6#

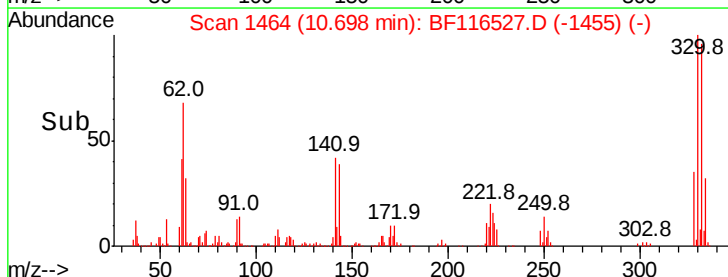
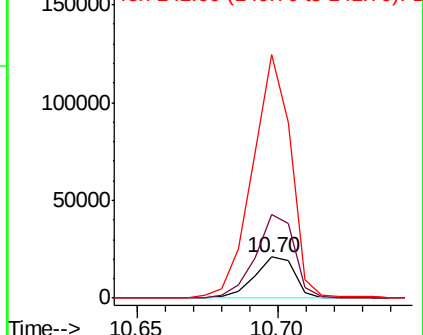
141 593.0 57.4 86.0#

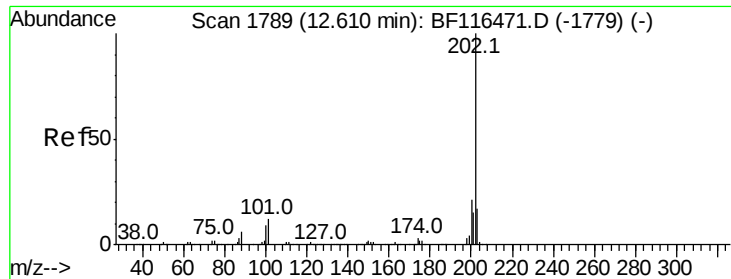


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.374 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

Instrument :

BNA_F

ClientSampleId :

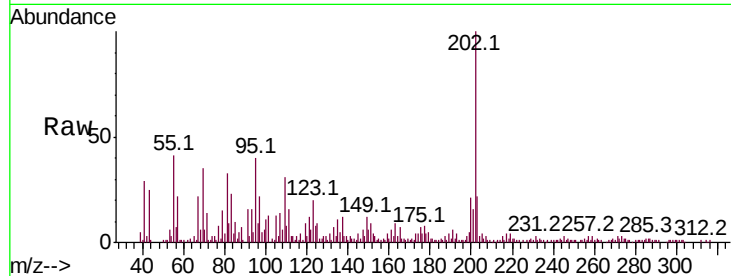
Tot Ion:202 Resp: 67928

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.5

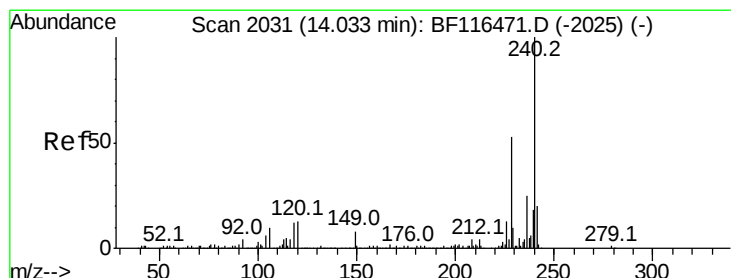
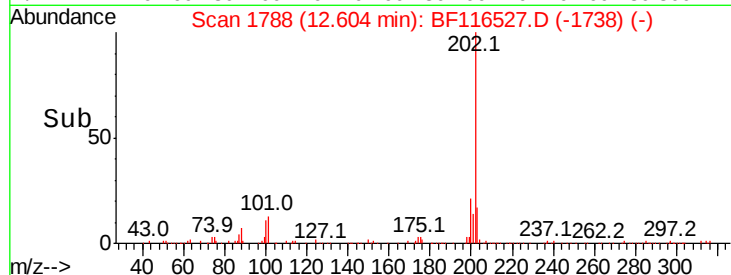
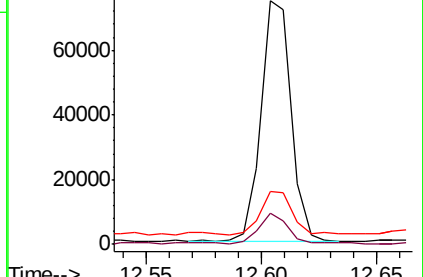
203 21.8 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

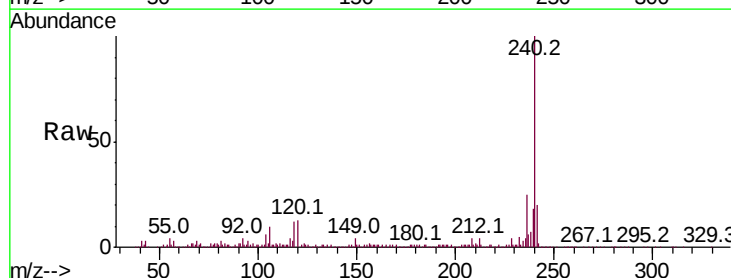
Tgt Ion:240 Resp: 293141

Ion Ratio Lower Upper

240 100

120 13.4 10.5 15.7

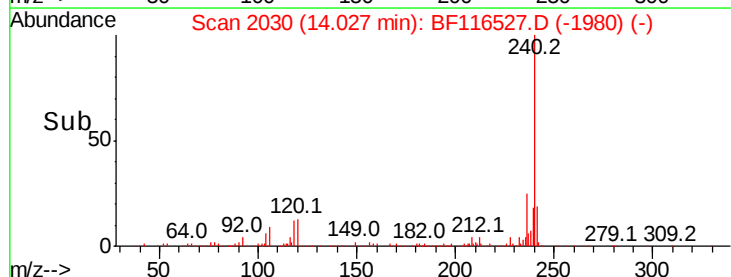
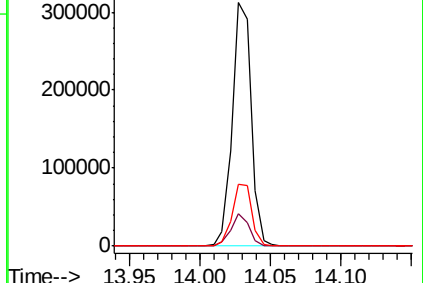
236 25.3 20.2 30.2

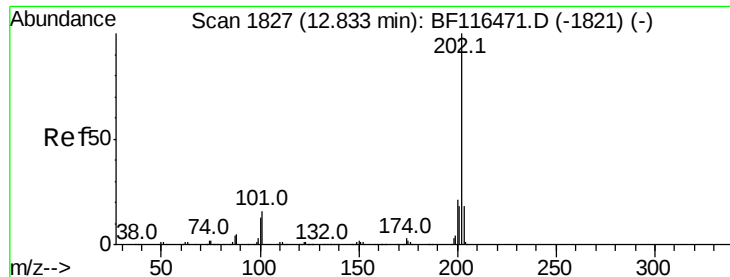


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

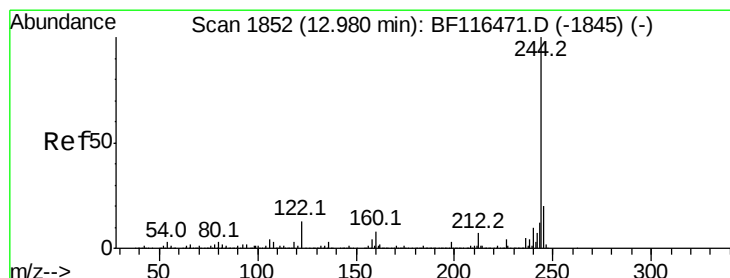
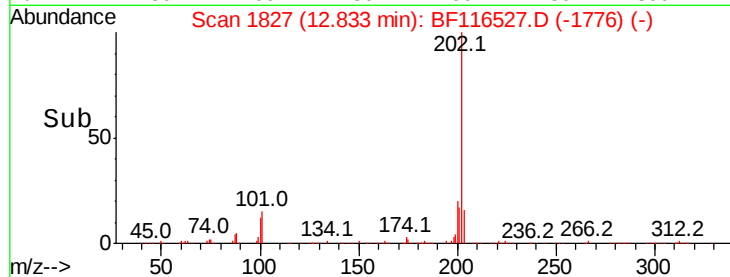
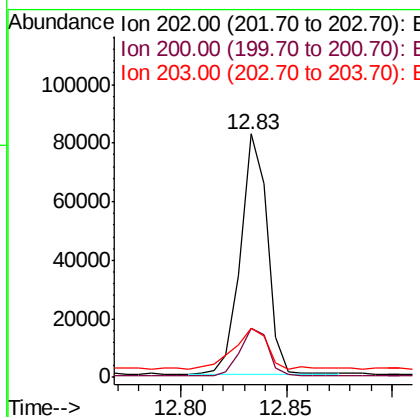
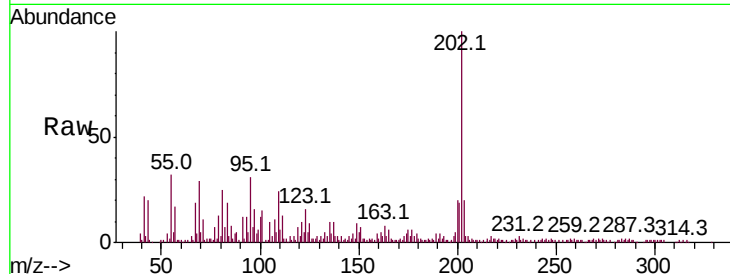




#78
Pvrene
Concen: 3.089 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

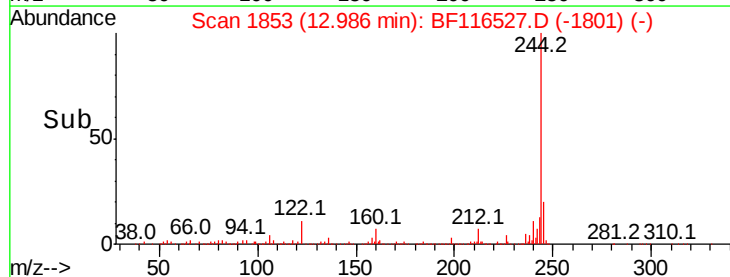
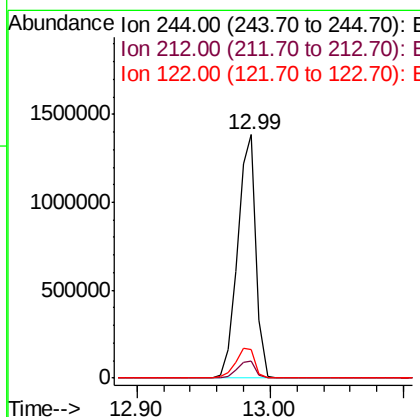
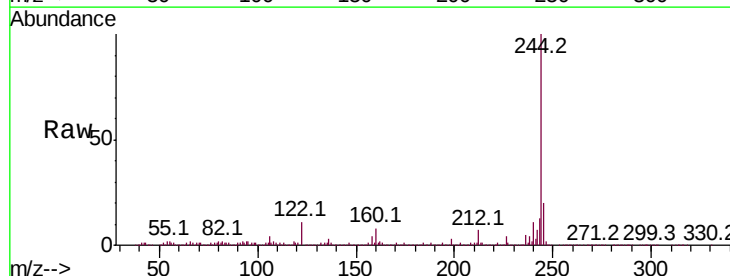
Instrument :
BNA_F
ClientSampleId :

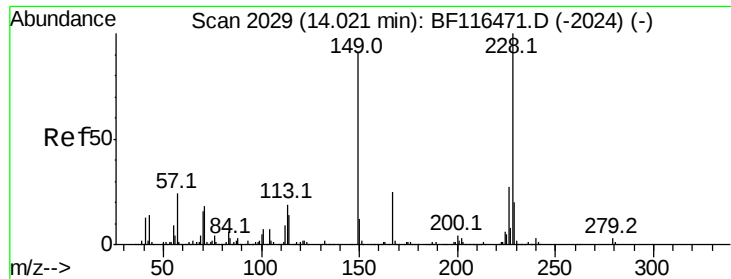
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.0	25.4
203	19.9	14.2	21.4



#79
Terphenyl-d14
Concen: 84.159 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.01 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.5	10.2	15.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.447 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

Instrument :

BNA_F

ClientSampleId :

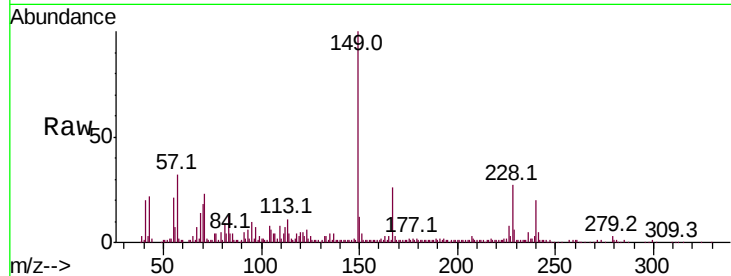
Tot Ion:149 Resp: 73538

Ion Ratio Lower Upper

149 100

167 26.0 21.8 32.6

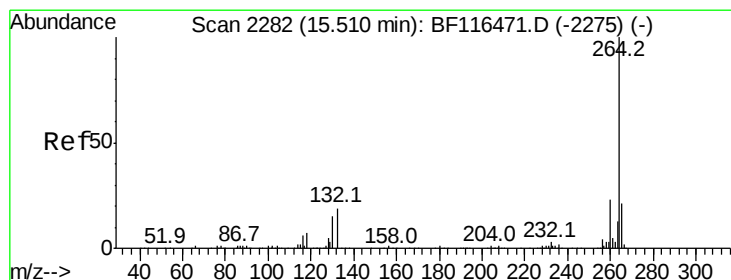
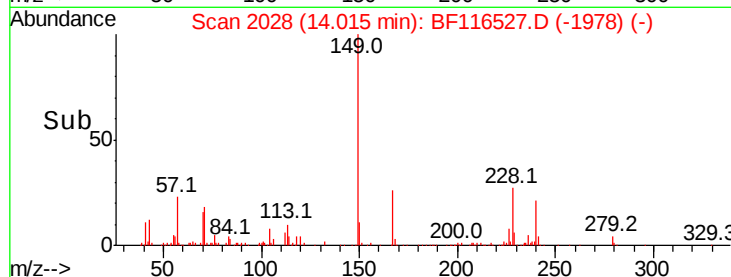
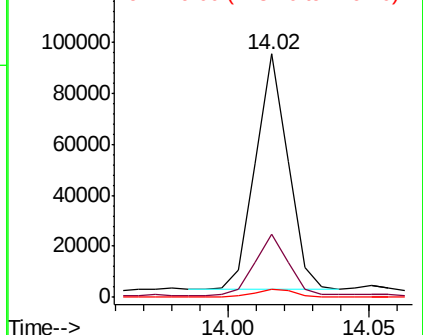
279 3.4 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116527.D

Acq: 25 Aug 2019 13:05

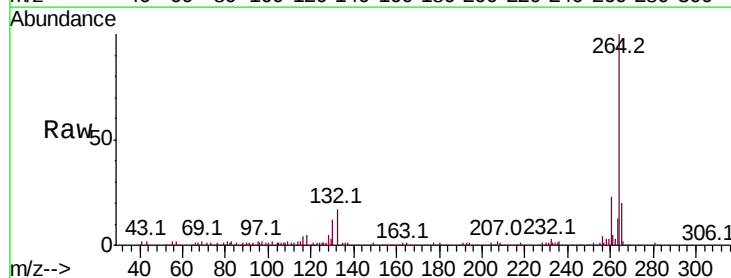
Tgt Ion:264 Resp: 265687

Ion Ratio Lower Upper

264 100

260 22.9 18.8 28.2

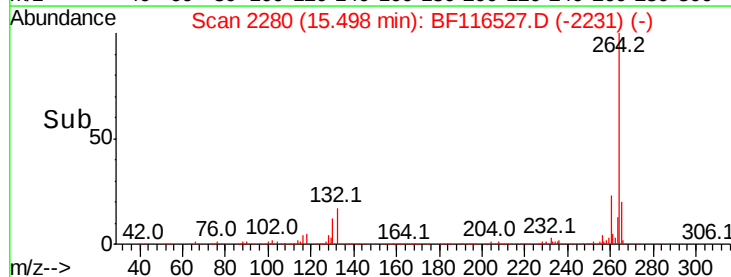
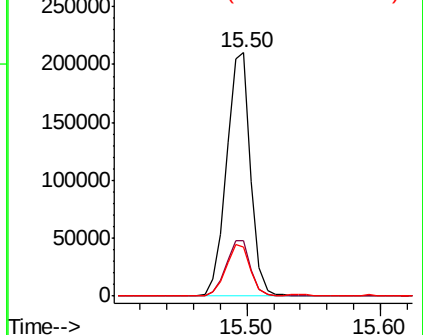
265 20.3 17.1 25.7

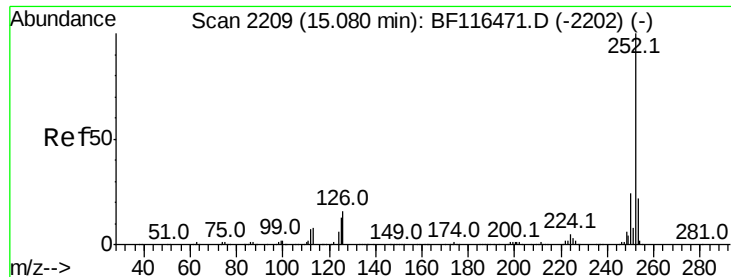


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

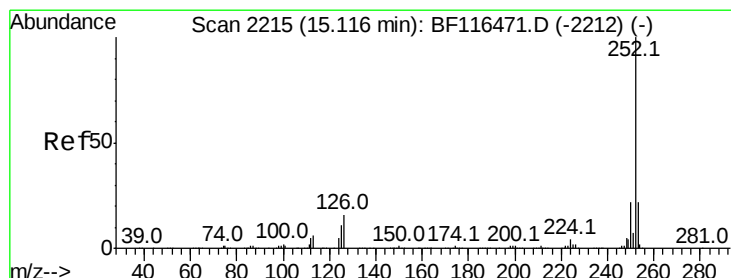
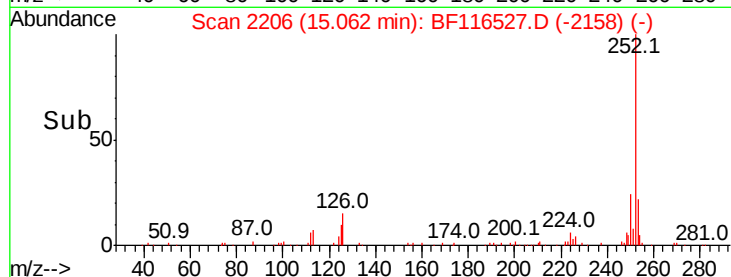
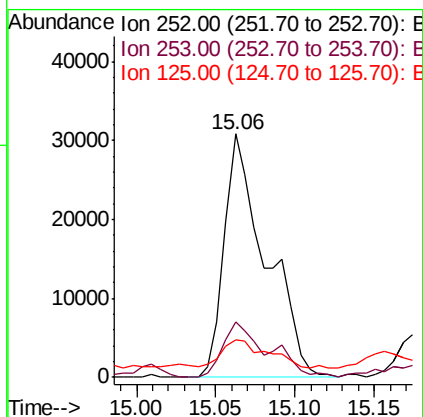
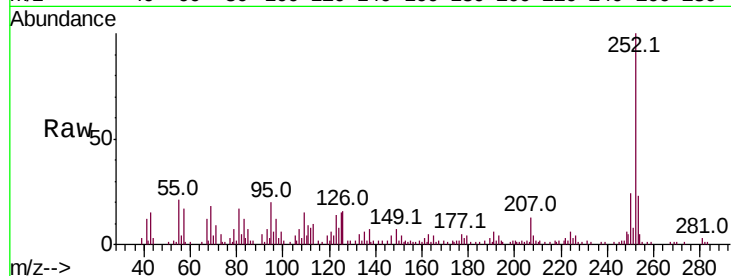




#88
Benzo(b)fluoranthene
Concen: 3.438 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.3	10.1	15.1#



#89
Benzo(k)fluoranthene
Concen: 3.795 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF116527.D
Acq: 25 Aug 2019 13:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	15.3	9.1	13.7#

