

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116411.D
 Acq On : 20 Aug 2019 1:59
 Operator : HP/JU
 Sample : K4223-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-9

Quant Time: Aug 20 03:45:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105558	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	422637	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	234039	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	411503	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	255760	20.00	ng	-0.02
87) Perylene-d12	15.42	264	295975	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	546878	86.73	ng	0.00
7) Phenol-d6	6.45	99	735153	92.41	ng	-0.01
23) Nitrobenzene-d5	7.37	82	448585	61.27	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	203165	89.54	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	716800	57.37	ng	-0.01
79) Terphenyl-d14	12.90	244	731409	60.26	ng	-0.02

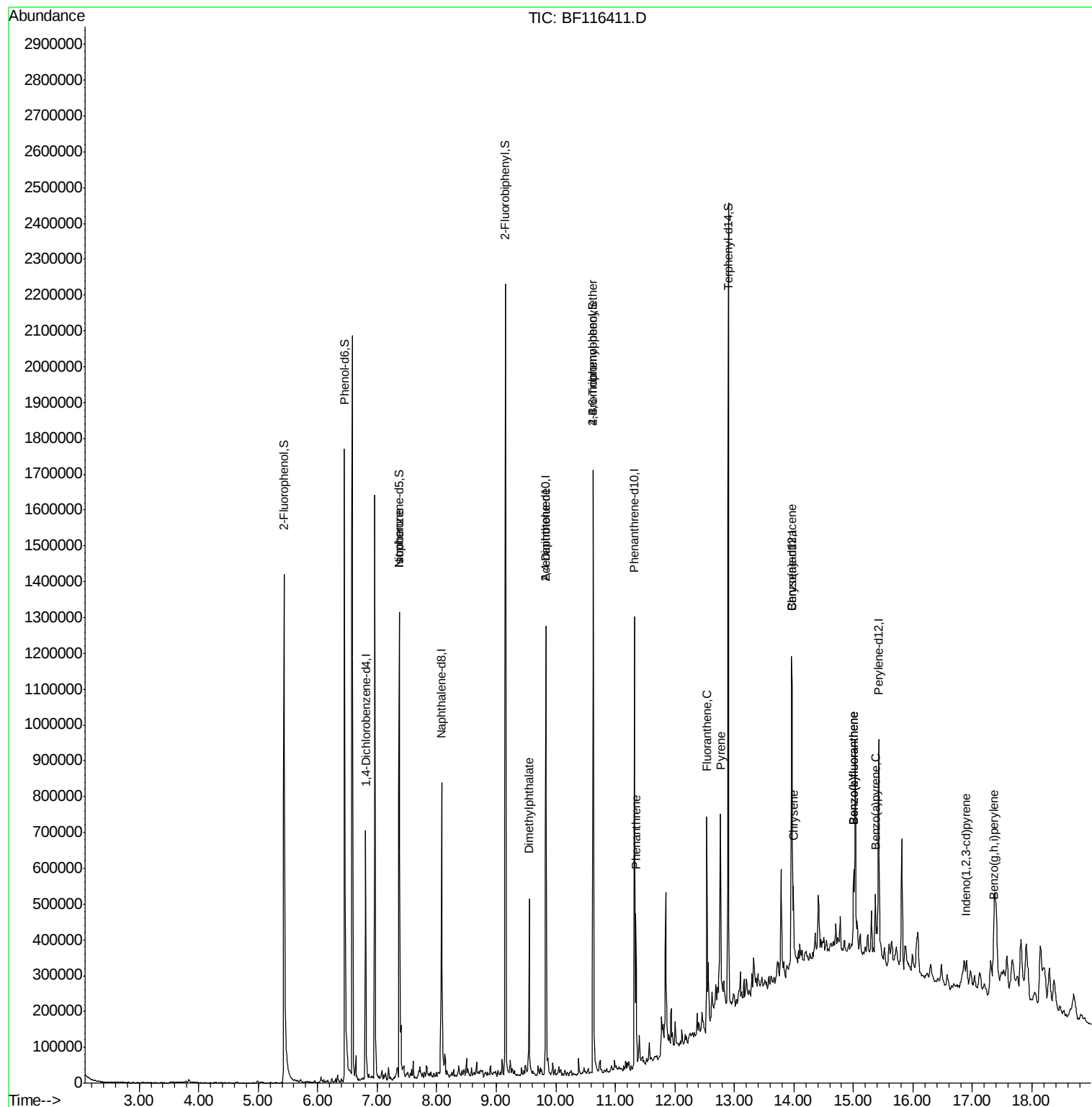
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.37	82	448585	32.041	ng	# 65
50) Dimethylphthalate	9.55	163	177254	11.123	ng	99
57) 2,4-Dinitrotoluene	9.83	165	31258	6.779	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	12481	2.833	ng	# 1
71) Phenanthrene	11.34	178	149270	7.096	ng	98
75) Fluoranthene	12.54	202	235619	10.698	ng	99
78) Pyrene	12.77	202	203601	10.560	ng	98
81) Benzo(a)anthracene	13.96	228	94720	5.794	ng	99
83) Chrysene	13.99	228	80874	5.096	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	46593	3.495	ng	96
88) Benzo(b)fluoranthene	15.00	252	155058	9.060	ng	# 95
89) Benzo(k)fluoranthene	15.00	252	155058	9.302	ng	# 95
90) Benzo(a)pyrene	15.37	252	83437	5.454	ng	# 94
92) Benzo(g,h,i)perylene	17.34	276	42118	3.239	ng	# 92

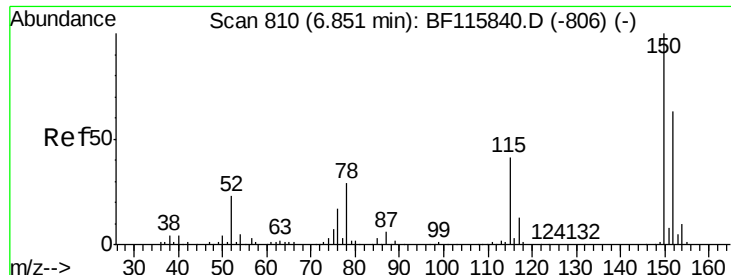
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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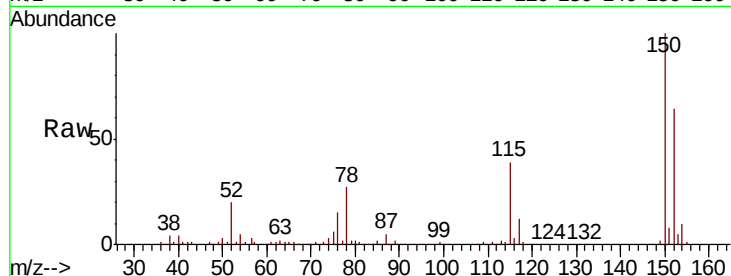


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Instrument :
BNA_F
ClientSampleId :
SP-9

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	61.1	49.9	74.9

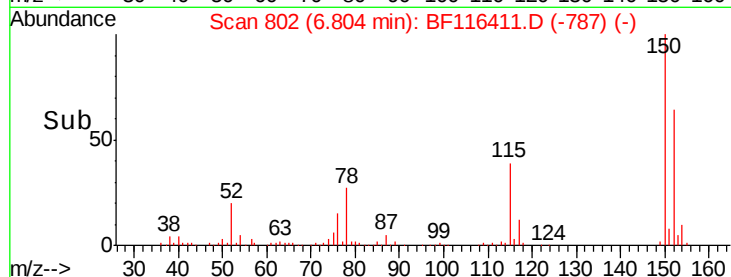
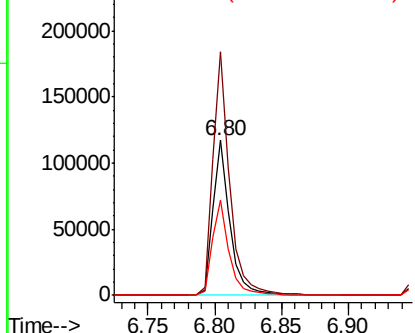


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

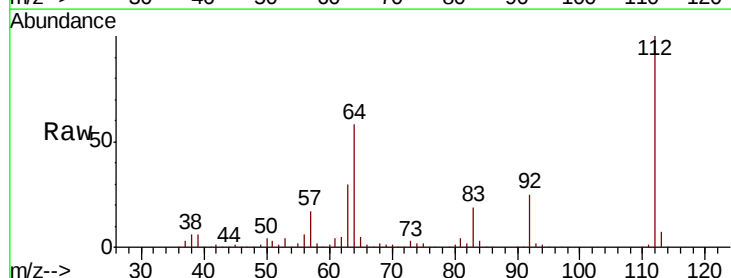
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.730 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.4	68.2
63	29.8	23.7	35.5

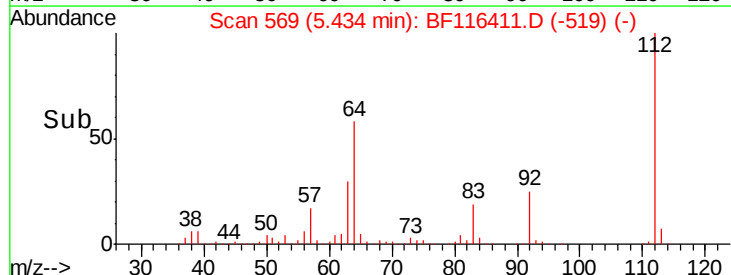
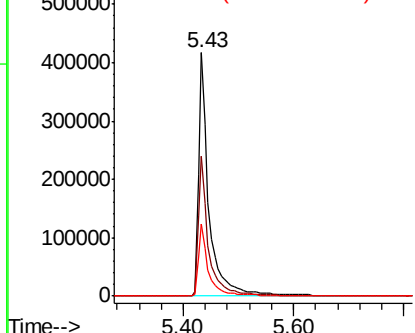


Abundance

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: 92.408 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

Instrument :

BNA_F

ClientSampleId :

SP-9

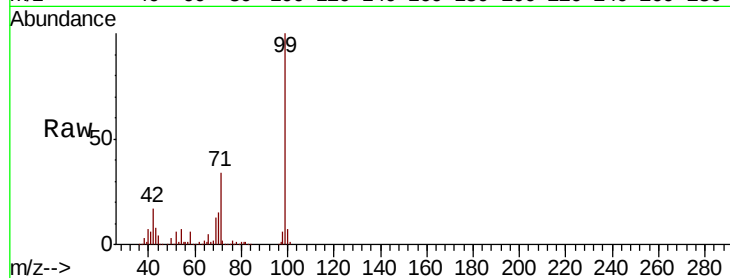
Tgt Ion: 99 Resp: 735153

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.8

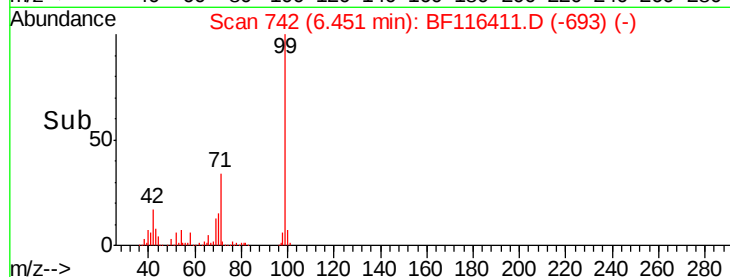
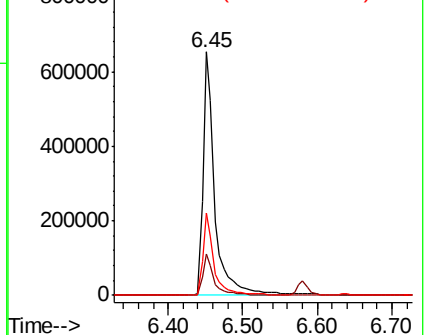
71 33.7 27.3 40.9



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

Tgt Ion: 136 Resp: 422637

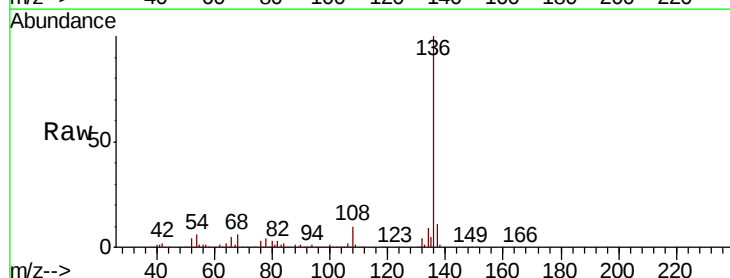
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.4 5.8 8.6

68 5.8 5.2 7.8

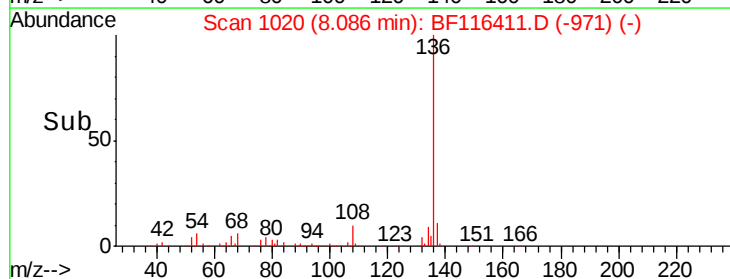
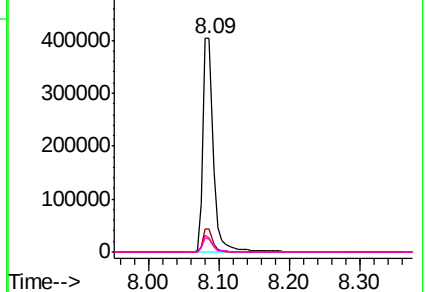


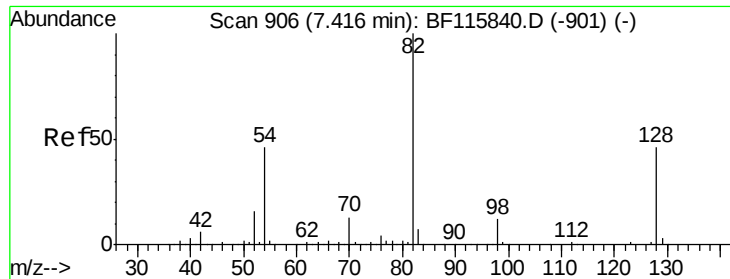
Abundance Ion 136.00 (135.70 to 136.70): E

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

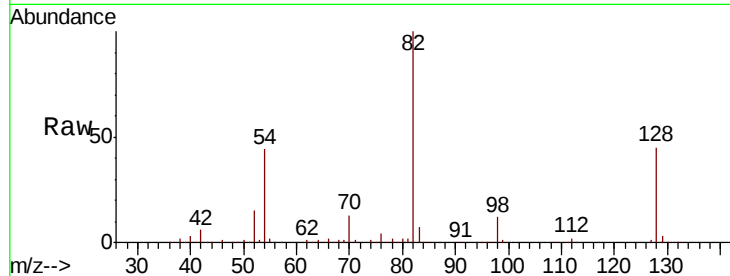




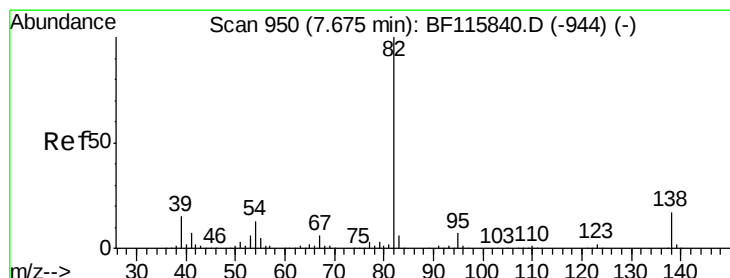
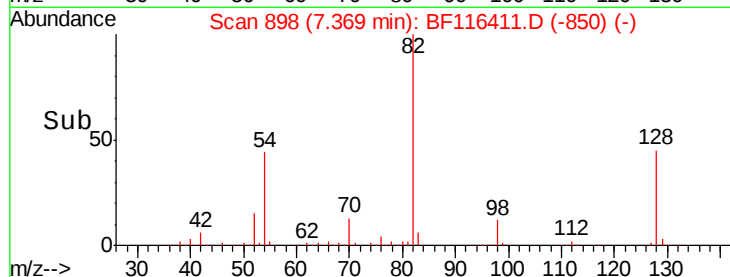
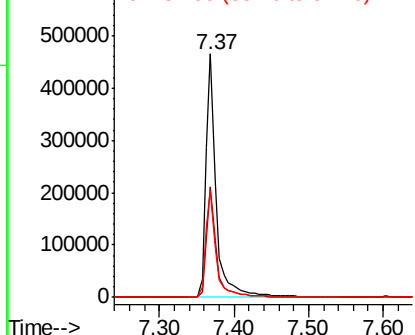
#23
 Nitrobenzene-d5
 Concen: 61.267 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Instrument :
 BNA_F
 ClientSampleId :
 SP-9

Tgt Ion: 82 Resp: 448585
 Ion Ratio Lower Upper
 82 100
 128 45.3 36.5 54.7
 54 44.0 36.0 54.0

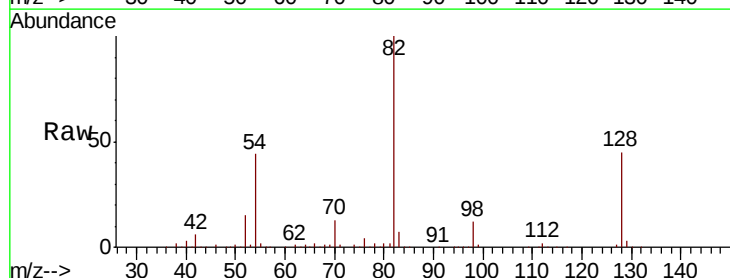


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

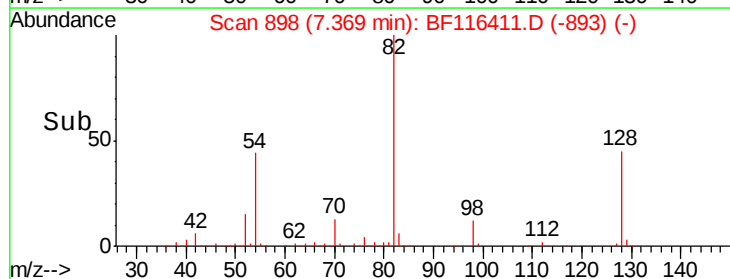
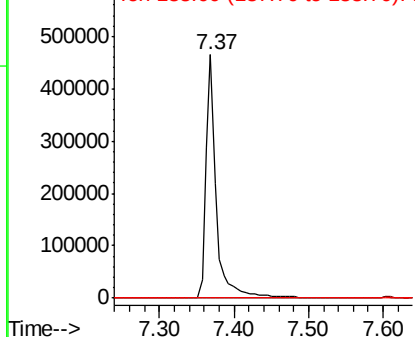


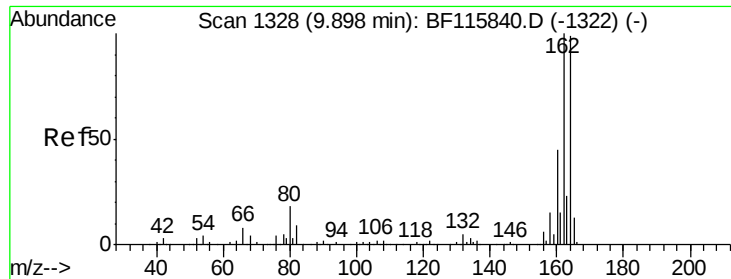
#25
 Isophorone
 Concen: 32.041 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.27 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Tgt Ion: 82 Resp: 448585
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.0#
 138 0.0 14.5 21.7#



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

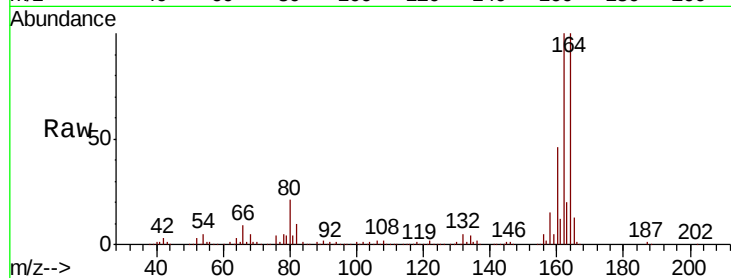




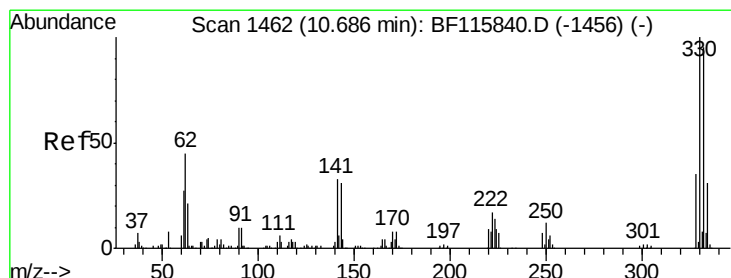
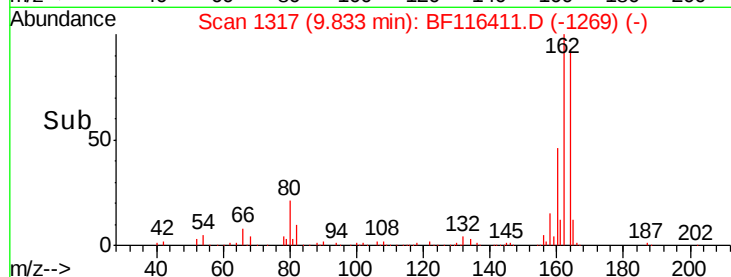
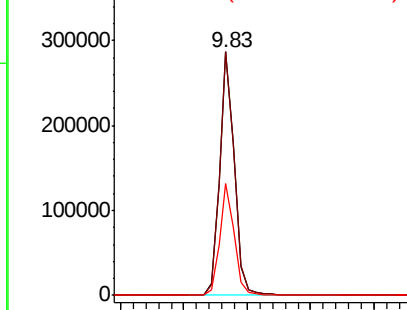
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Instrument :
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 ClientSampleId :
 SP-9

Tgt Ion:164 Resp: 234039
 Ion Ratio Lower Upper
 164 100
 162 99.9 82.6 124.0
 160 45.7 37.6 56.4

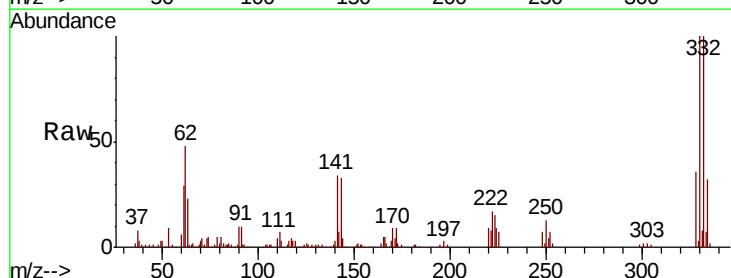


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

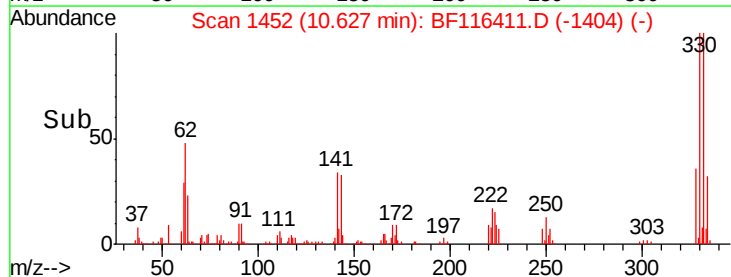
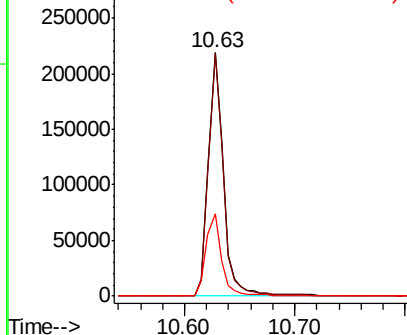


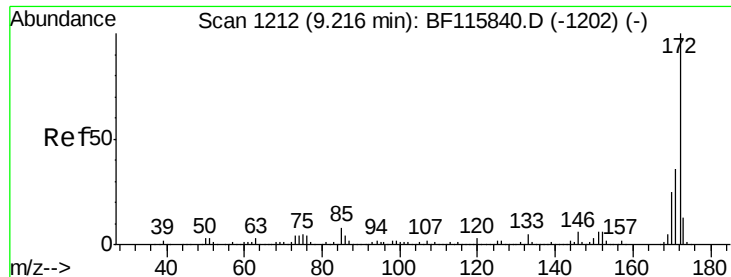
#42
 2,4,6-Tribromophenol
 Concen: 89.537 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Tgt Ion:330 Resp: 203165
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.8 115.2
 141 35.1 26.3 39.5



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

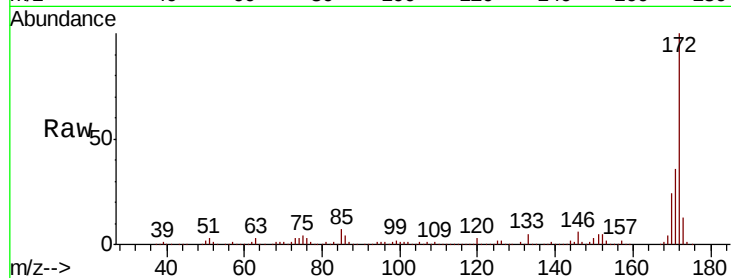




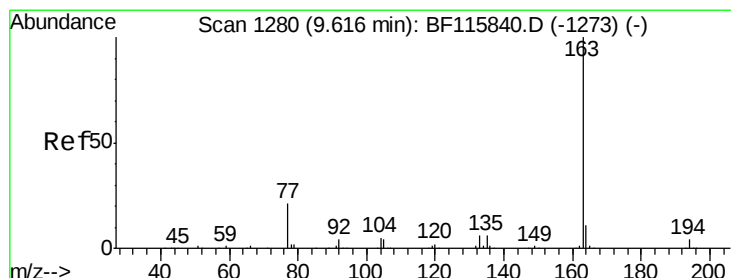
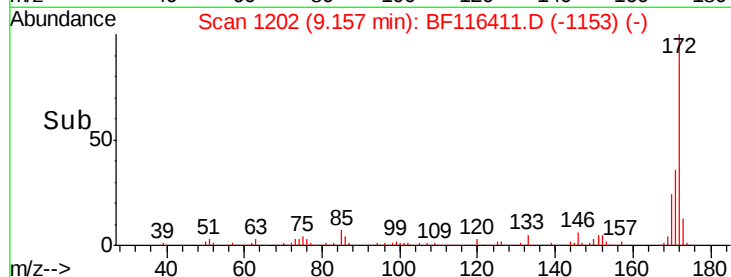
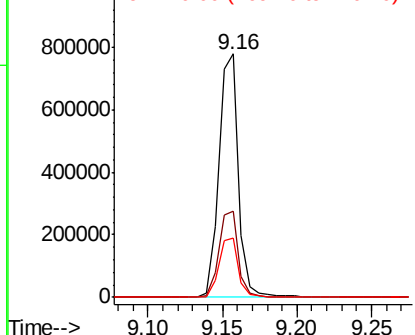
#45
 2-Fluorobiphenyl
 Concen: 57.367 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Instrument :
 BNA_F
 ClientSampleId :
 SP-9

Tgt Ion:172 Resp: 716800
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 24.5 20.1 30.1

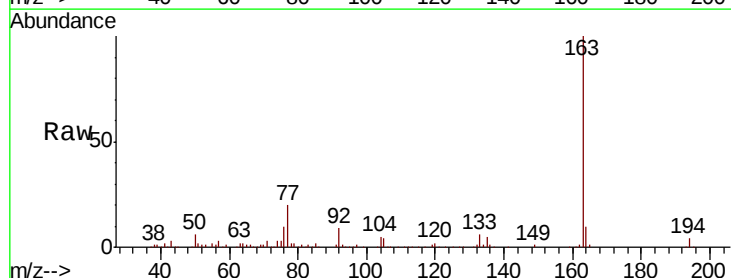


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

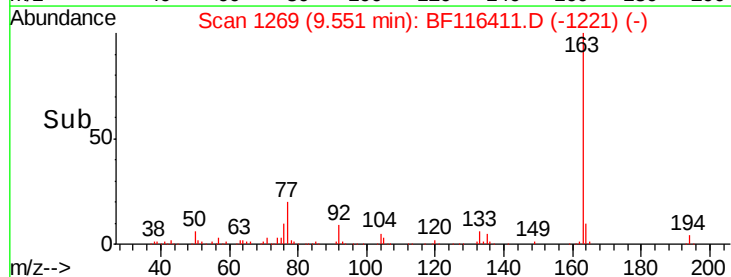
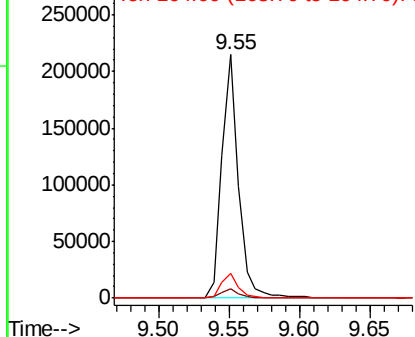


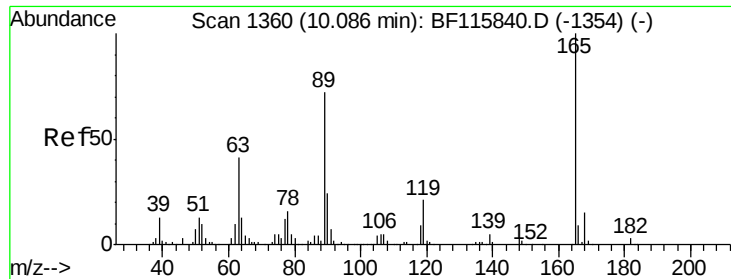
#50
 Dimethylphthalate
 Concen: 11.123 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Tgt Ion:163 Resp: 177254
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.6
 164 9.9 8.4 12.6



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

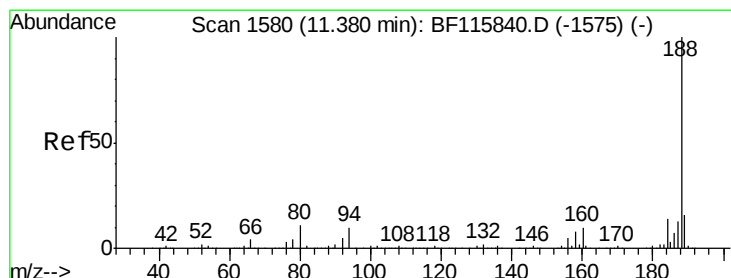
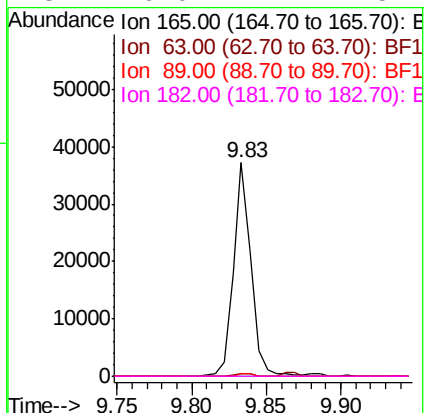
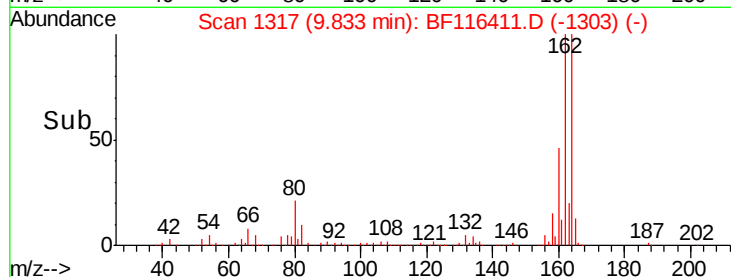
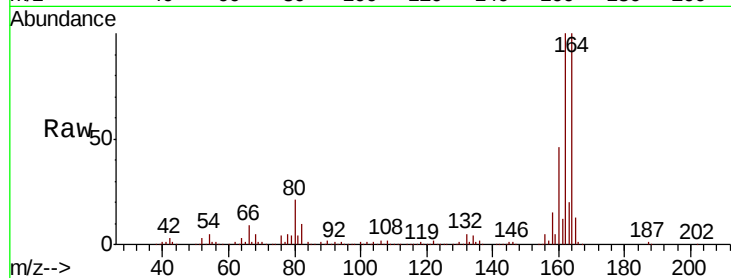




#57
 2,4-Dinitrotoluene
 Concen: 6.779 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.22 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

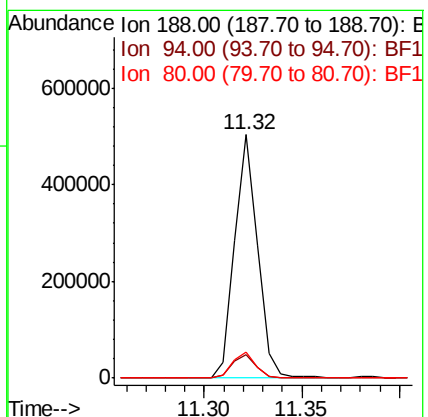
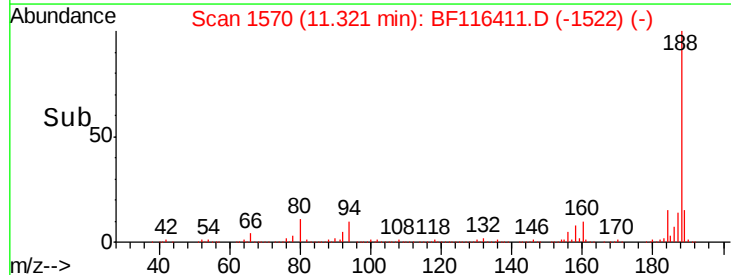
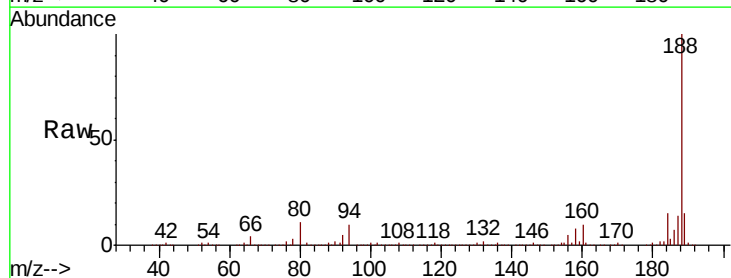
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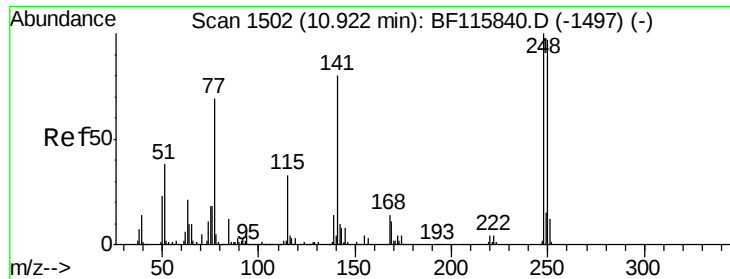
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.6	59.4#
89	1.4	62.2	93.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.1	12.1
80	10.6	8.7	13.1

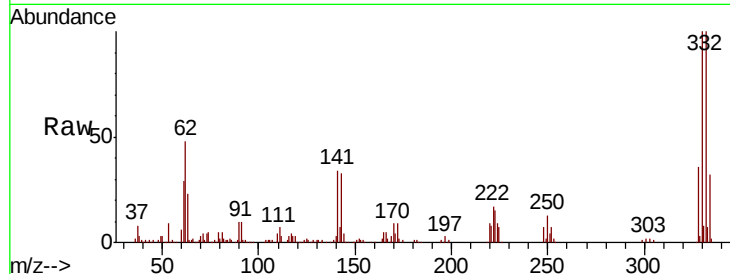




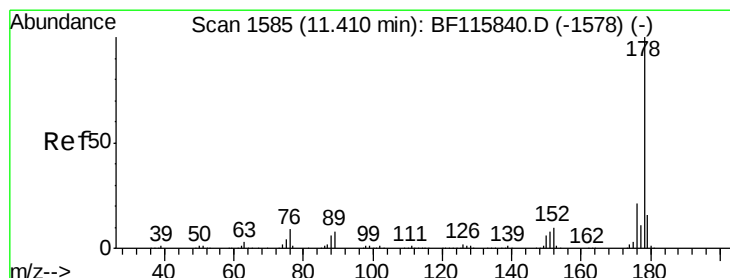
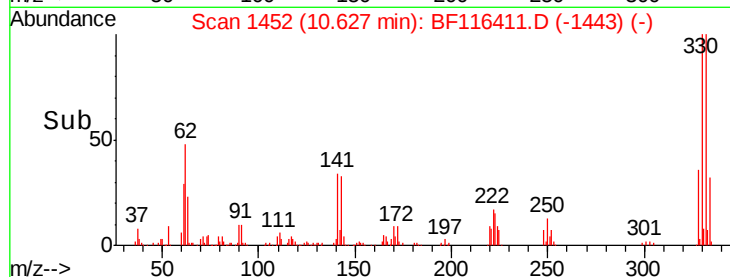
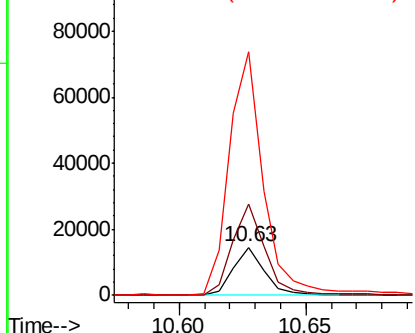
#67
 4-Bromophenyl-phenylether
 Concen: 2.833 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Instrument :
 BNA_F
 ClientSampleID :
 SP-9

Tgt Ion: 248 Resp: 12481
 Ion Ratio Lower Upper
 248 100
 250 190.7 77.4 116.2#
 141 508.7 56.8 85.2#

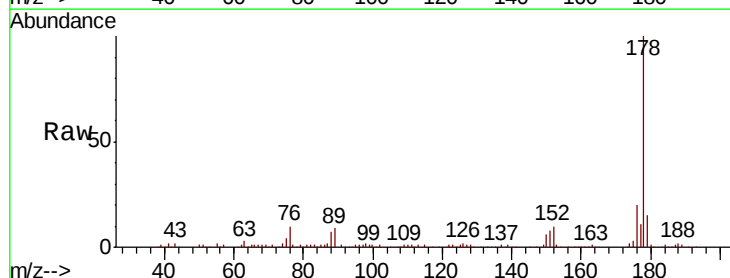


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

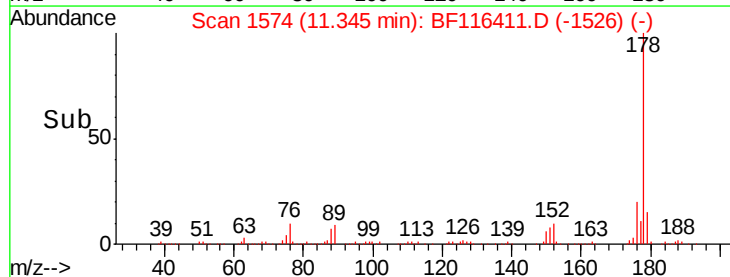
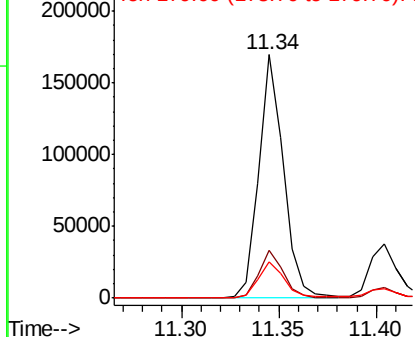


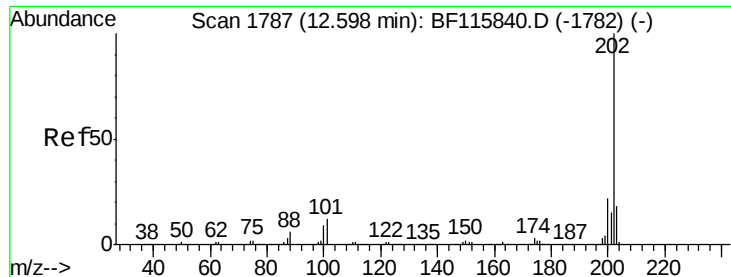
#71
 Phenanthrene
 Concen: 7.096 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Tgt Ion: 178 Resp: 149270
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.6 24.8
 179 15.1 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.698 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

Instrument :

BNA_F

ClientSampleId :

SP-9

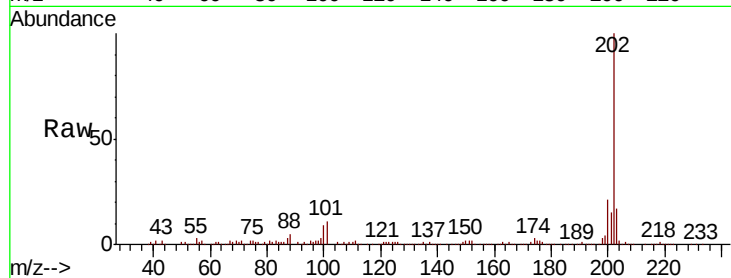
Tgt Ion:202 Resp: 235619

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.2

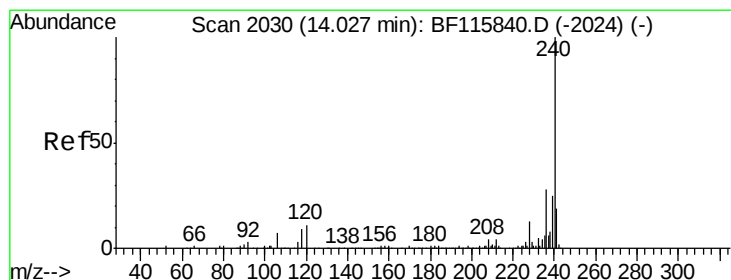
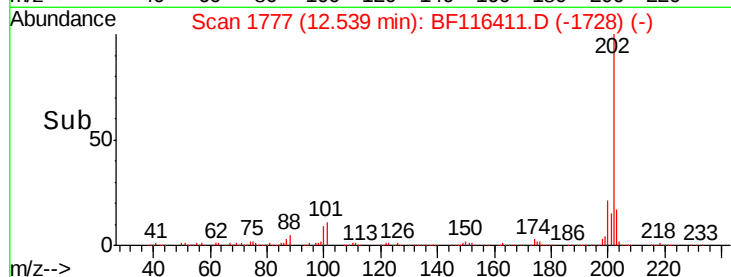
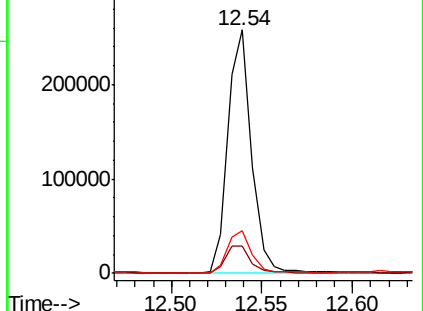
203 17.3 0.0 37.8



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

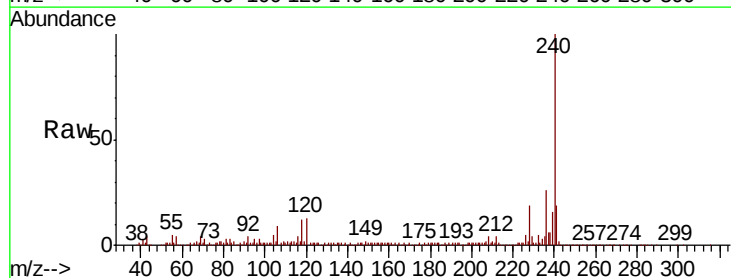
Tgt Ion:240 Resp: 255760

Ion Ratio Lower Upper

240 100

120 13.0 10.7 16.1

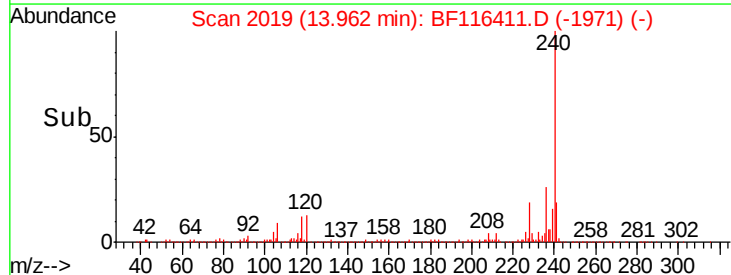
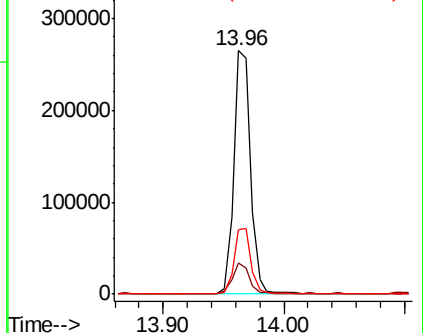
236 26.5 22.2 33.2

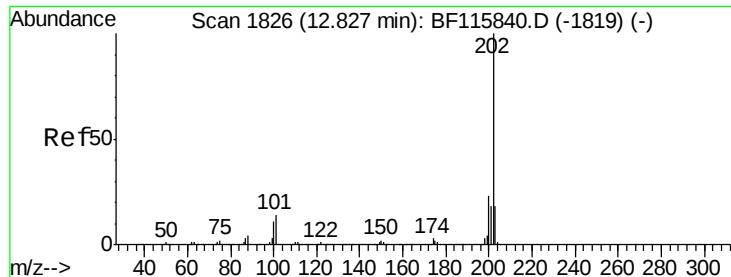


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 10.560 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

Instrument :

BNA_F

ClientSampleId :

SP-9

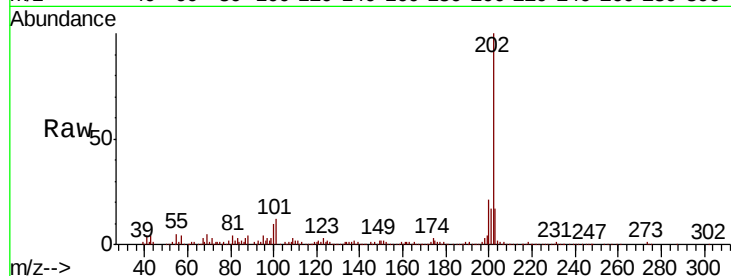
Tgt Ion:202 Resp: 203601

Ion Ratio Lower Upper

202 100

200 21.1 18.0 27.0

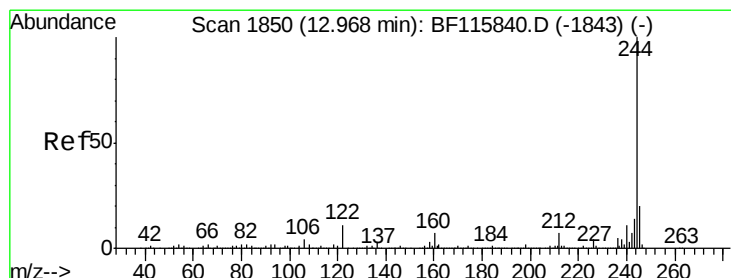
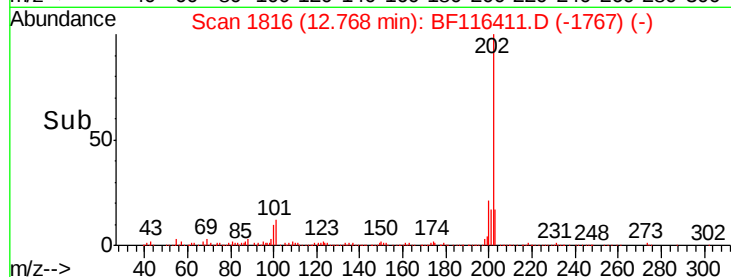
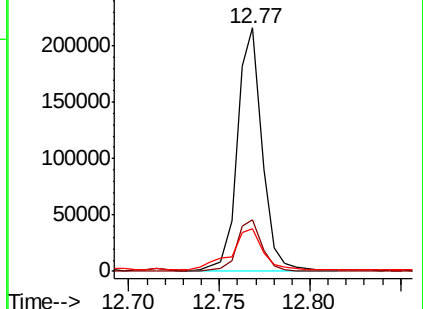
203 17.3 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 60.260 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

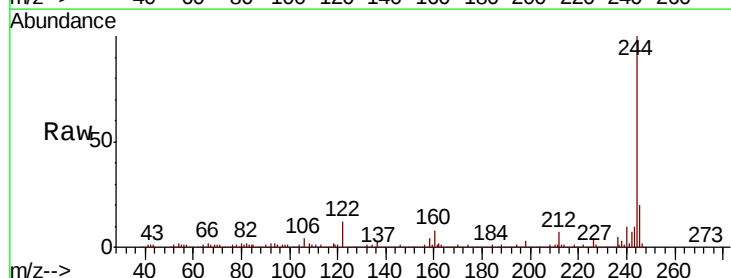
Tgt Ion:244 Resp: 731409

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

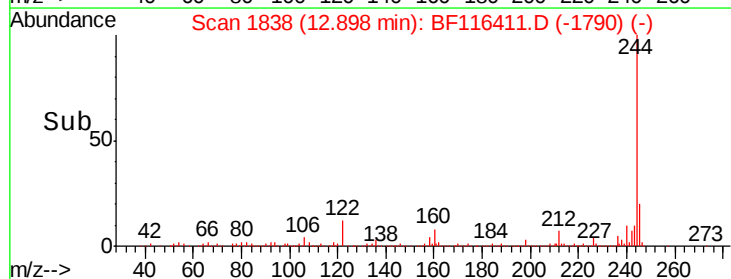
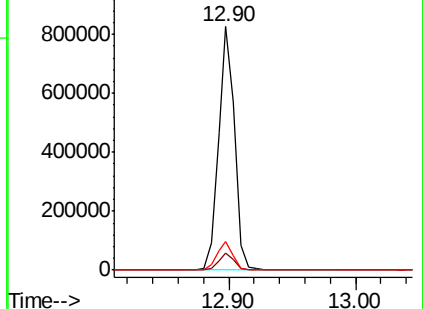
122 12.0 9.0 13.4

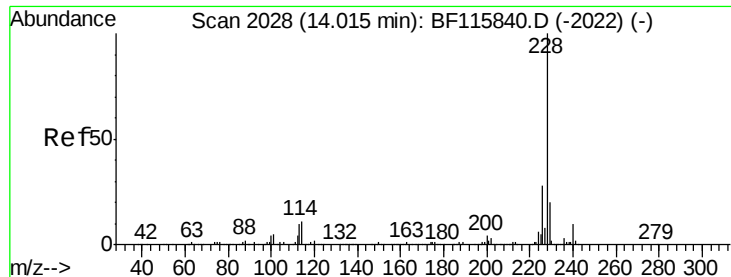


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

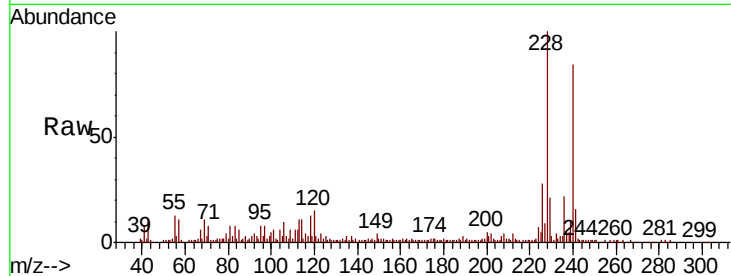




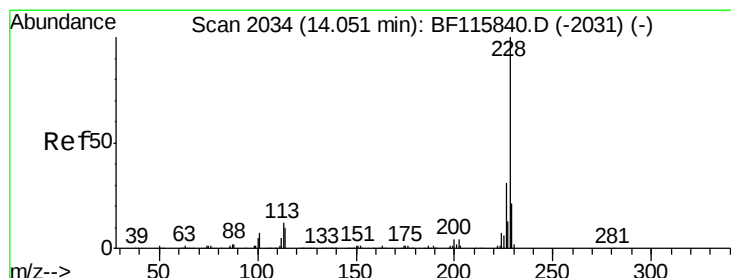
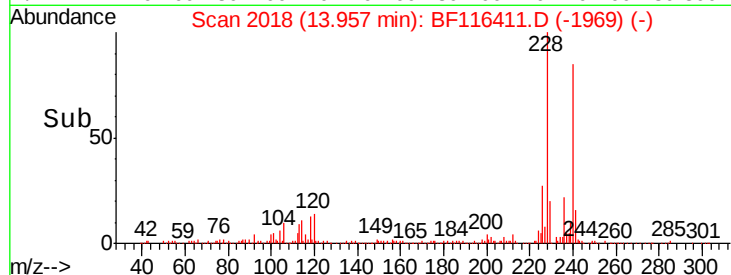
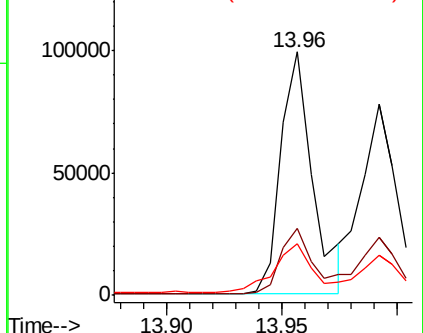
#81
Benzo(a)anthracene
Concen: 5.794 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Instrument :
BNA_F
ClientSampleId :
SP-9

Tgt Ion:228 Resp: 94720
Ion Ratio Lower Upper
228 100
226 27.7 22.7 34.1
229 21.0 16.2 24.4

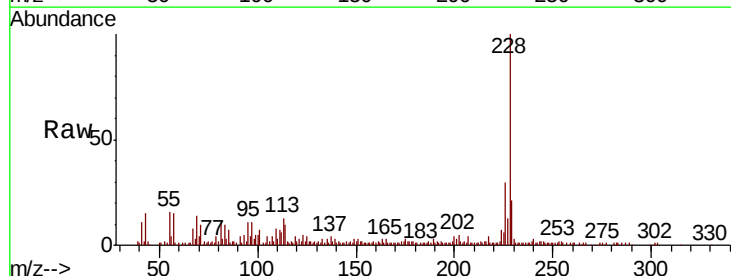


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

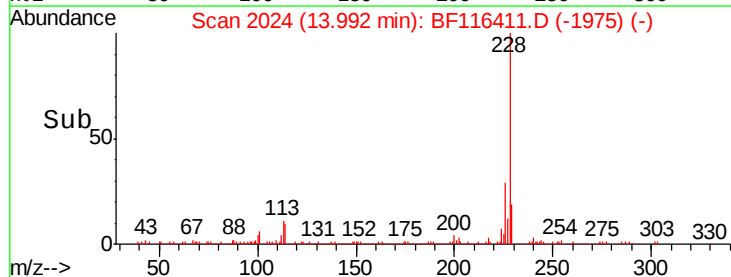
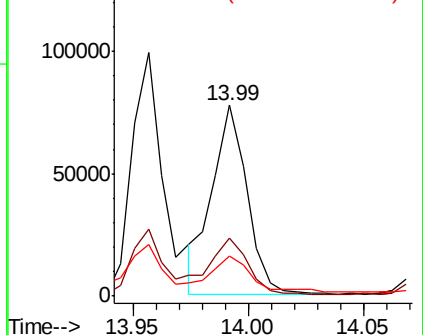


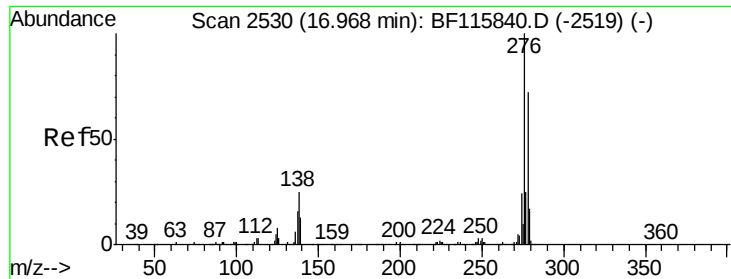
#83
Chrysene
Concen: 5.096 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Tgt Ion:228 Resp: 80874
Ion Ratio Lower Upper
228 100
226 30.3 25.5 38.3
229 21.2 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

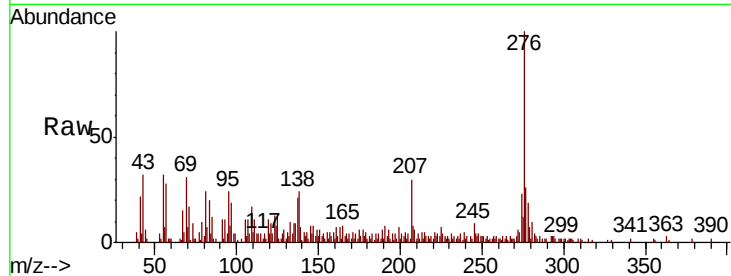




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.495 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. 0.01 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Instrument :
 BNA_F
 ClientSampleId :
 SP-9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.4	30.6
277	23.1	20.0	30.0

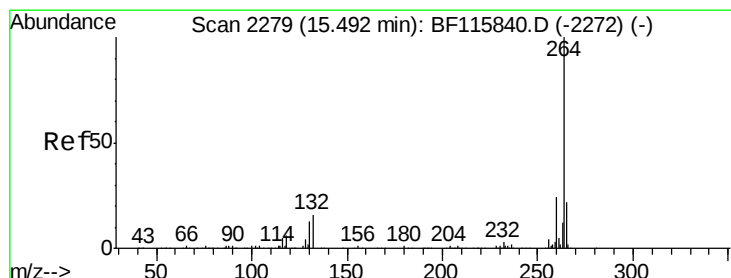
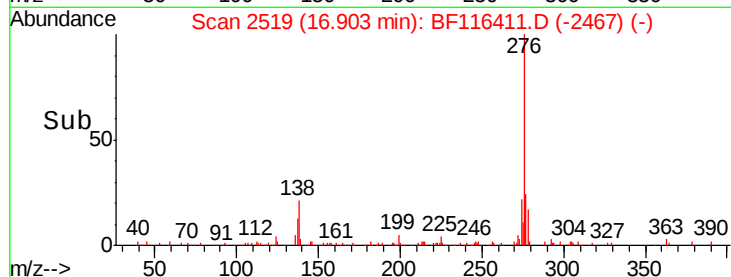
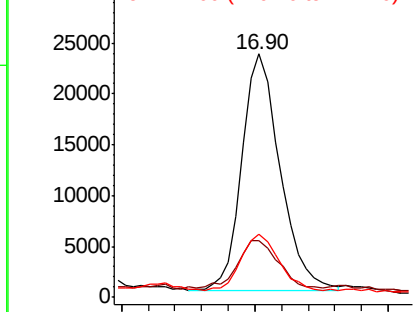


Abundance

Ion 276.00 (275.70 to 276.70): E

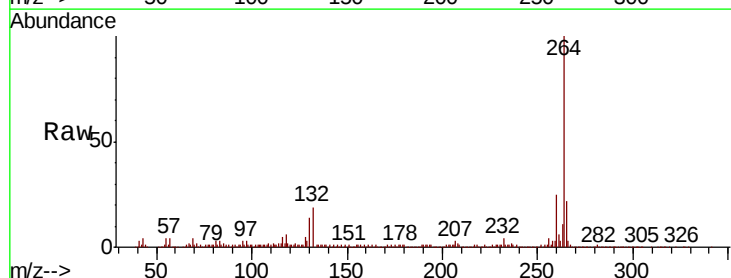
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF116411.D
 Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.4	17.4	26.0

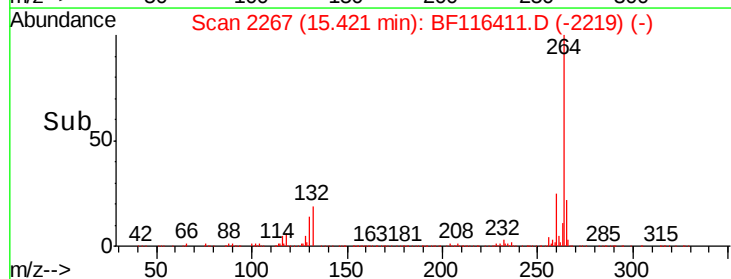
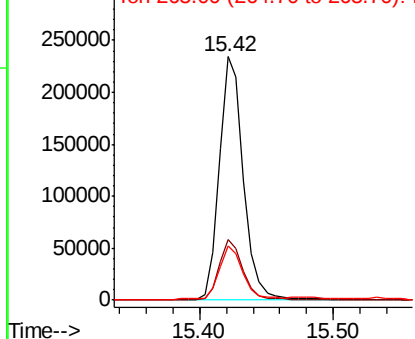


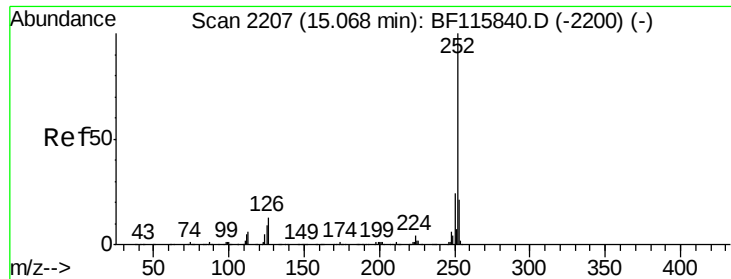
Abundance

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

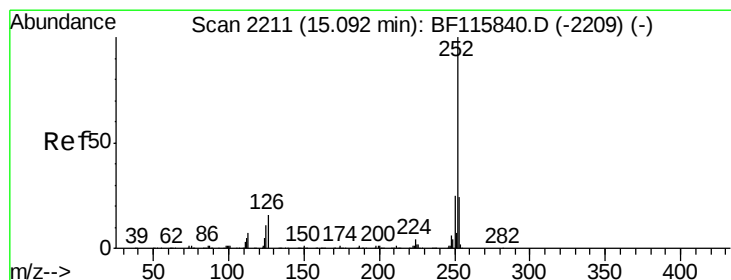
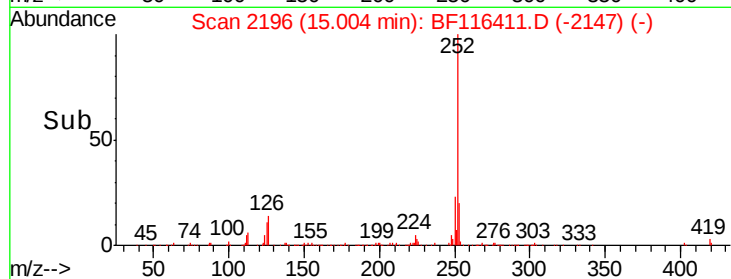
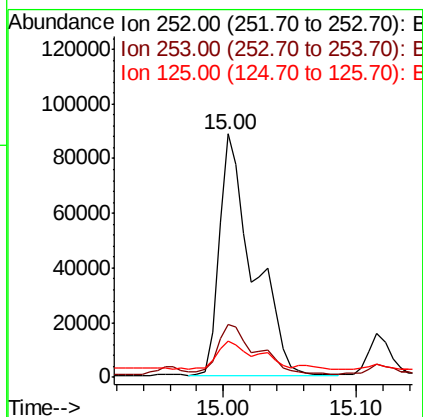
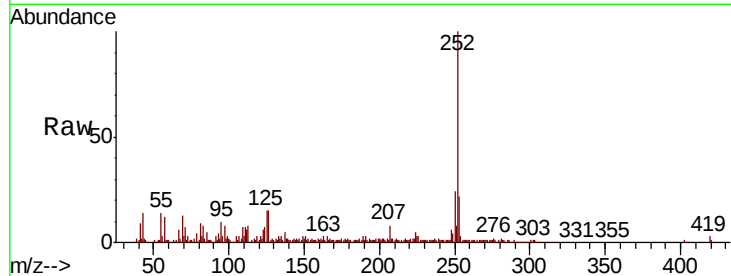




#88
Benzo(b)fluoranthene
Concen: 9.060 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

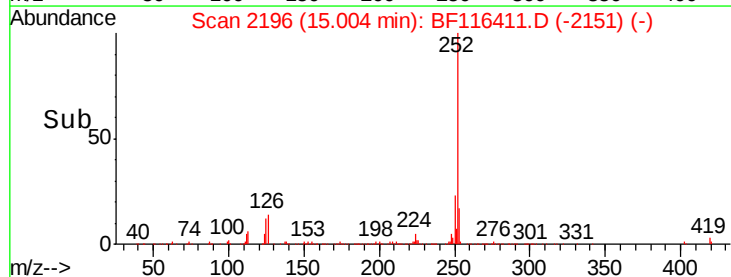
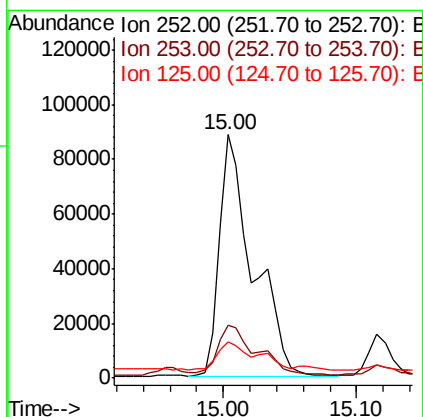
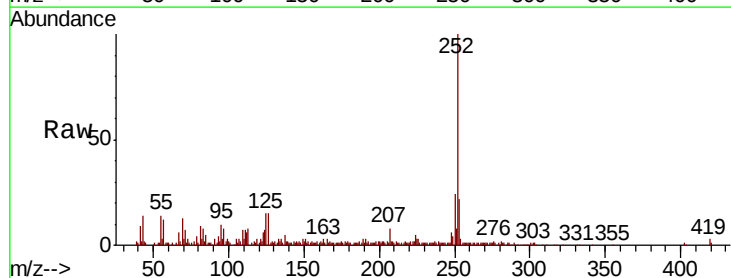
Instrument :
BNA_F
ClientSampleId :
SP-9

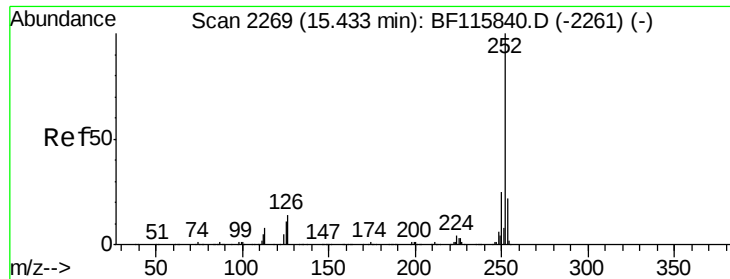
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	14.9	8.4	12.6



#89
Benzo(k)fluoranthene
Concen: 9.302 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF116411.D
Acq: 20 Aug 2019 1:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	14.9	7.7	11.5





#90

Benzo(a)pyrene

Concen: 5.454 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

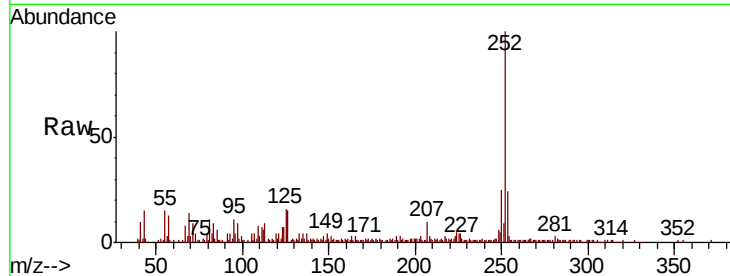
Instrument :

BNA_F

ClientSampleId :

SP-9

Tgt Ion:	252	Resp:	83437
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.0	27.0
125	15.5	8.9	13.3#

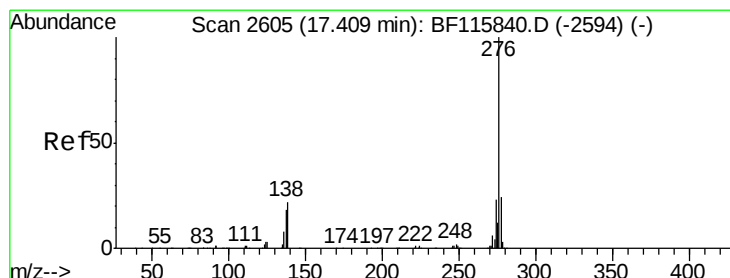
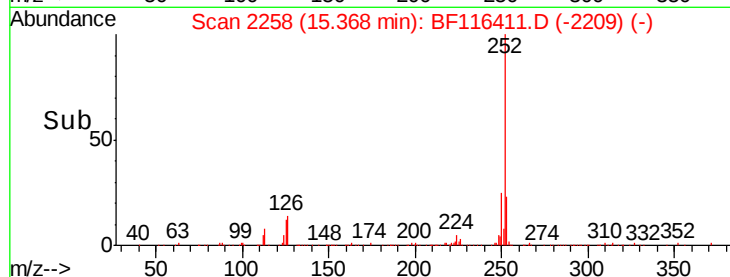
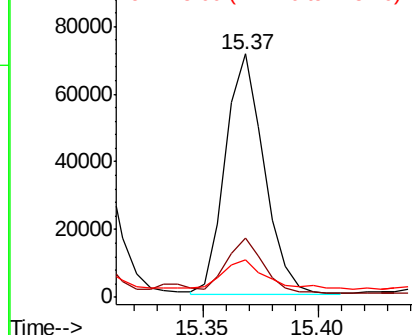


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.239 ng

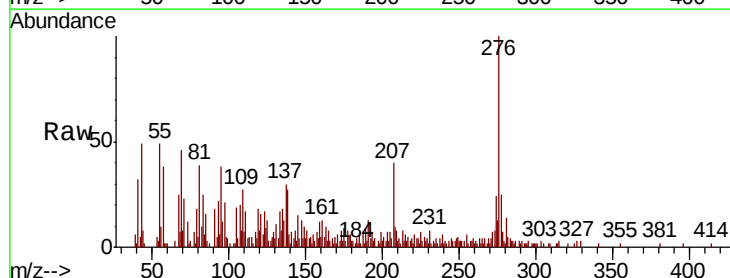
RT: 17.34 min Scan# 2594

Delta R.T. 0.01 min

Lab File: BF116411.D

Acq: 20 Aug 2019 1:59

Tgt Ion:	276	Resp:	42118
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.4	27.6
138	27.4	17.0	25.6#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

