

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100919\
 Data File : BF117356.D
 Acq On : 9 Oct 2019 15:45
 Operator : JU
 Sample : K5281-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-062

Quant Time: Oct 09 22:54:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

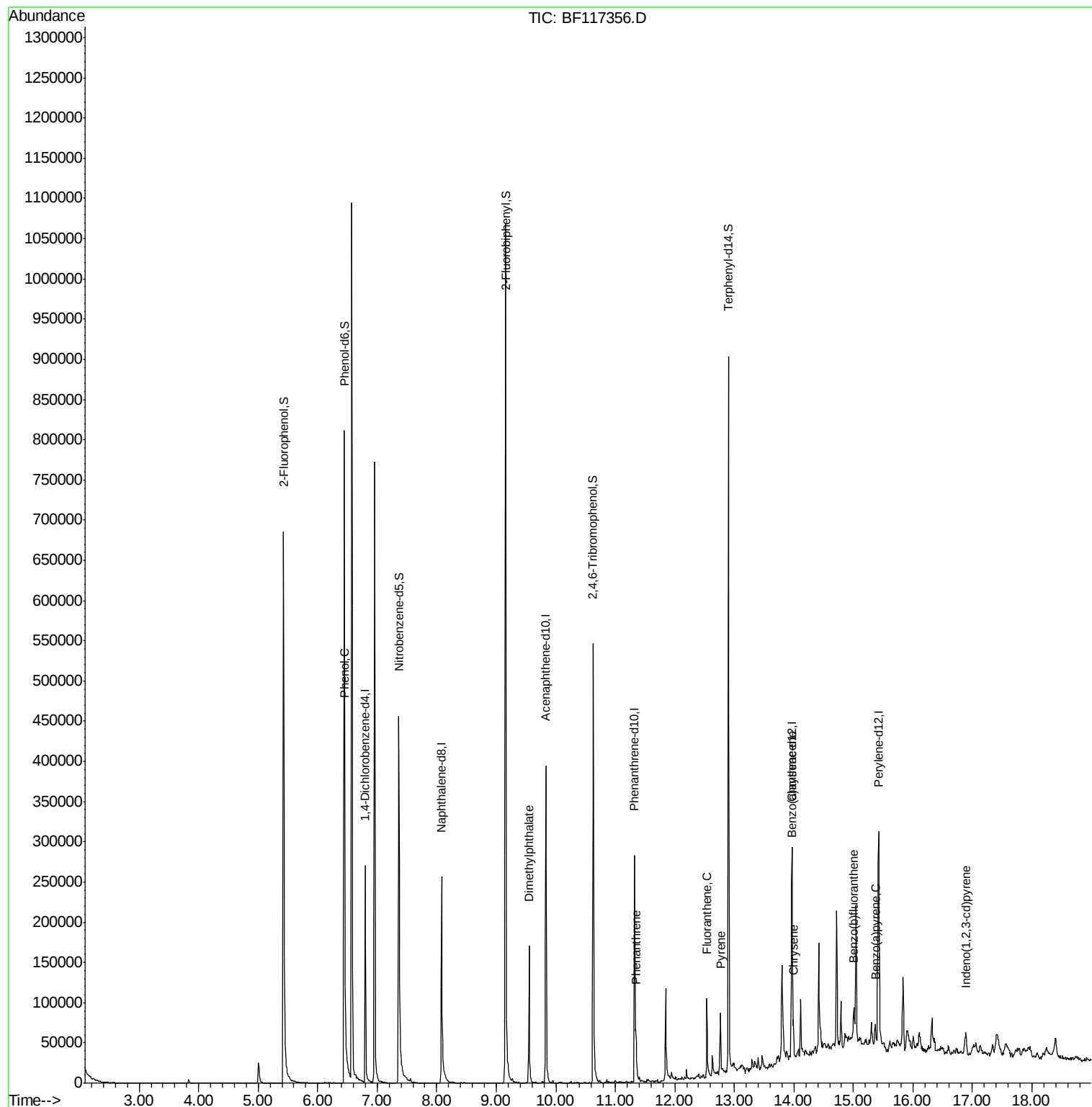
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	42993	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	175369	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	89274	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	128502	20.00	ng	0.00
76) Chrysene-d12	13.97	240	85389	20.00	ng	0.00
87) Perylene-d12	15.43	264	101842	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	252429	91.67	ng	0.00
7) Phenol-d6	6.45	99	351596	98.79	ng	0.00
23) Nitrobenzene-d5	7.36	82	225263	67.49	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	66345	88.92	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	393586	68.93	ng	0.00
79) Terphenyl-d14	12.90	244	278657	61.00	ng	0.00
Target Compounds						
10) Phenol	6.46	94	11751	2.995	ng	Qvalue 84
50) Dimethylphthalate	9.55	163	83790	13.256	ng	98
71) Phenanthrene	11.35	178	19028	2.607	ng	97
75) Fluoranthene	12.54	202	43045	5.740	ng	95
78) Pyrene	12.77	202	34350	4.794	ng	99
81) Benzo(a)anthracene	13.96	228	16850	2.954	ng	98
83) Chrysene	13.99	228	17147	3.082	ng	96
86) Indeno(1,2,3-cd)pyrene	16.89	276	8930	2.200	ng	97
88) Benzo(b)fluoranthene	15.00	252	22615m	3.666	ng	
90) Benzo(a)pyrene	15.37	252	15335	2.833	ng	# 82

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

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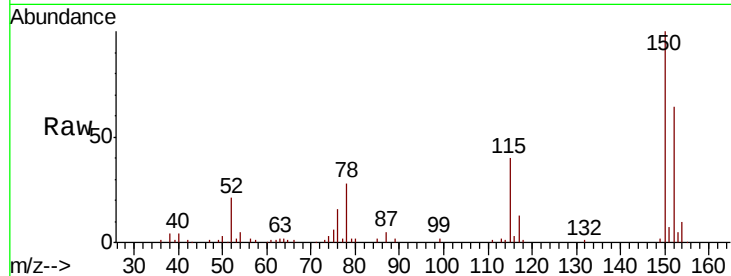


#1

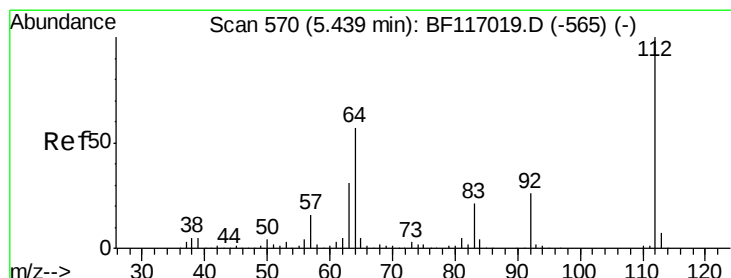
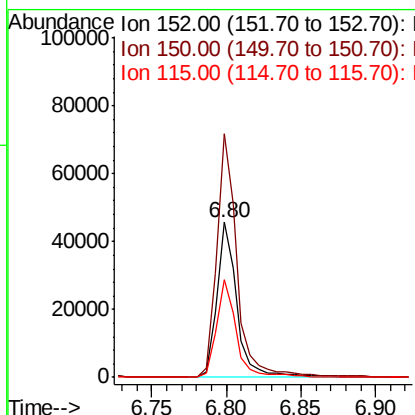
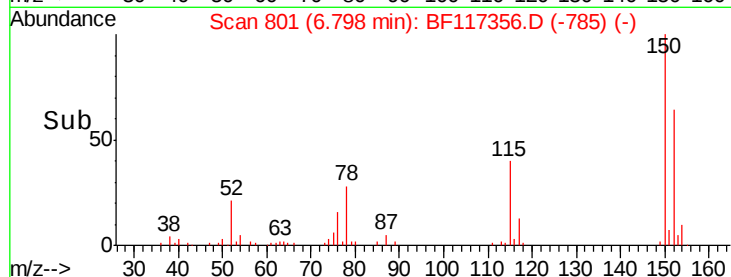
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-062

Tot Ion:152 Resp: 42993
Ion Ratio Lower Upper
152 100
150 156.9 127.5 191.3
115 63.0 55.0 82.4



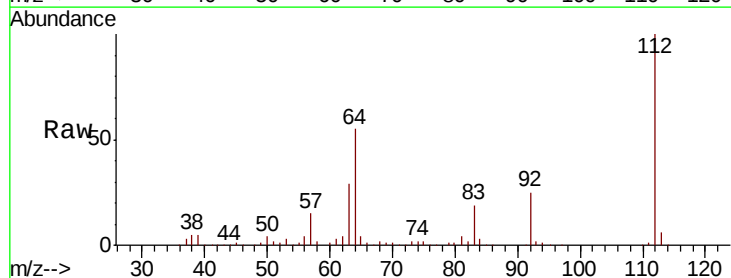
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



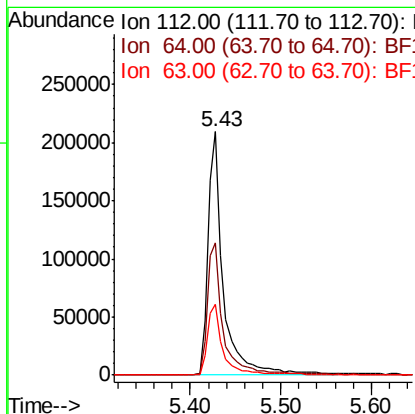
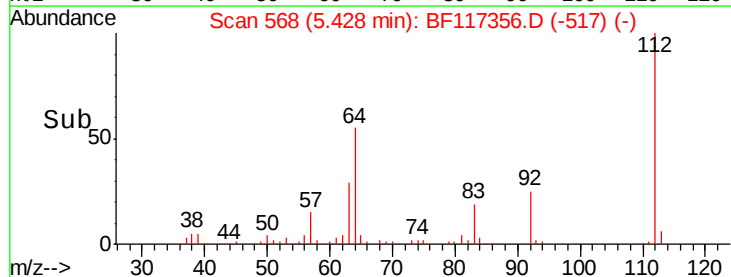
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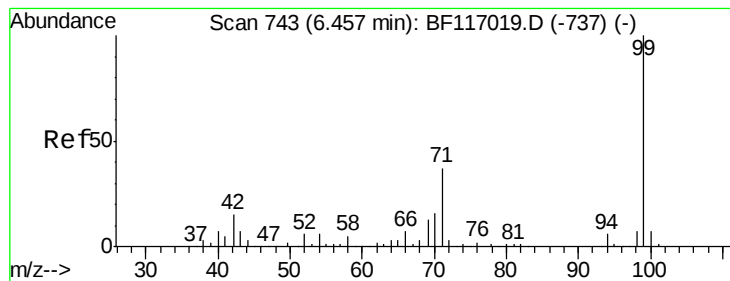
2-Fluorophenol
Concen: 91.667 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:112 Resp: 252429
Ion Ratio Lower Upper
112 100
64 54.5 45.7 68.5
63 29.3 24.9 37.3



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: 98.795 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-062

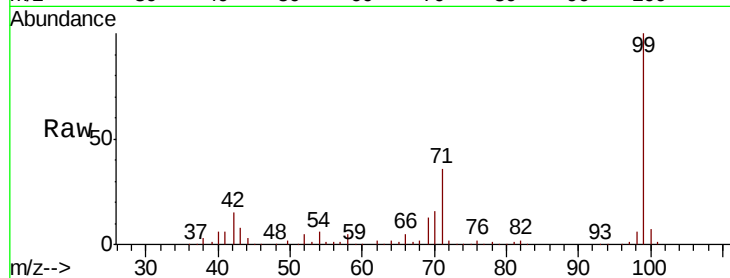
Tot Ion: 99 Resp: 351596

Ion Ratio Lower Upper

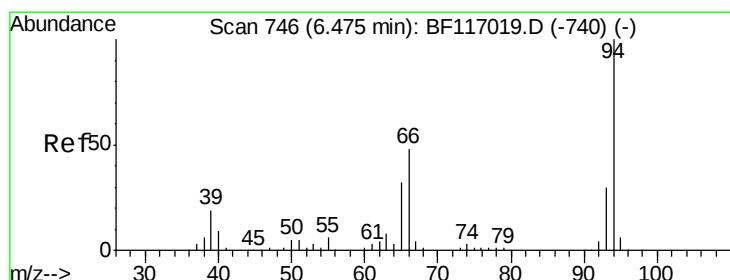
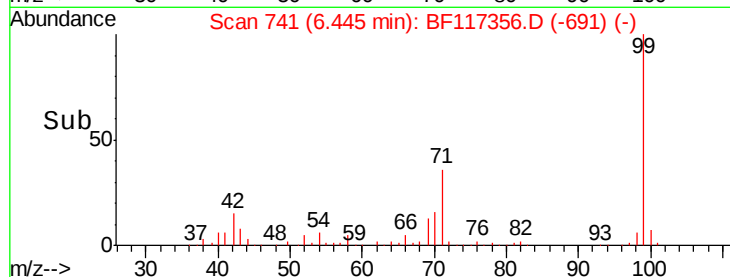
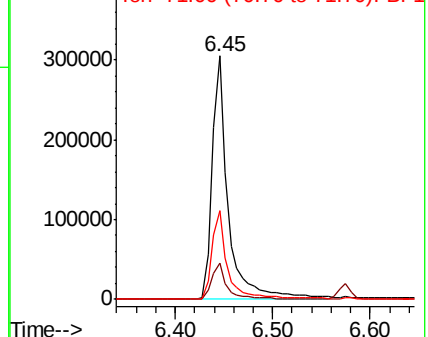
99 100

42 15.1 12.2 18.2

71 36.5 29.8 44.8



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



#10

Phenol

Concen: 2.995 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

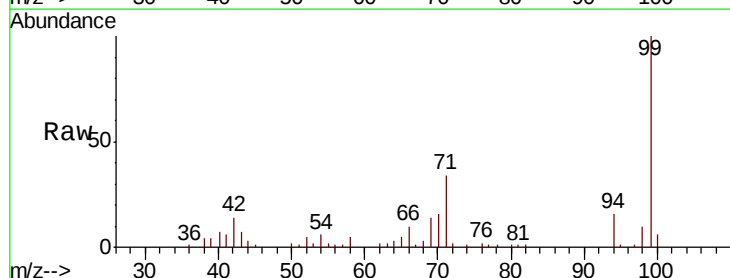
Tgt Ion: 94 Resp: 11751

Ion Ratio Lower Upper

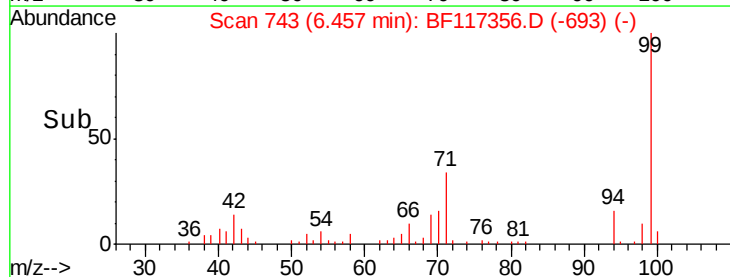
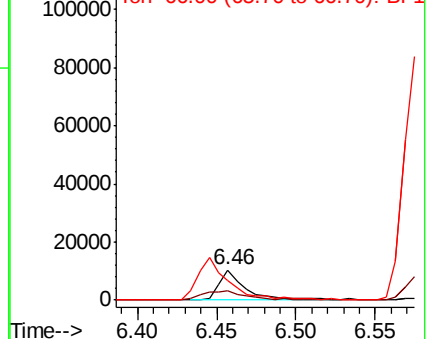
94 100

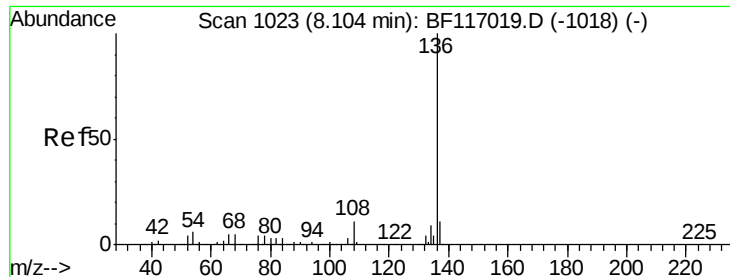
65 30.0 12.5 52.5

66 64.7 28.9 68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

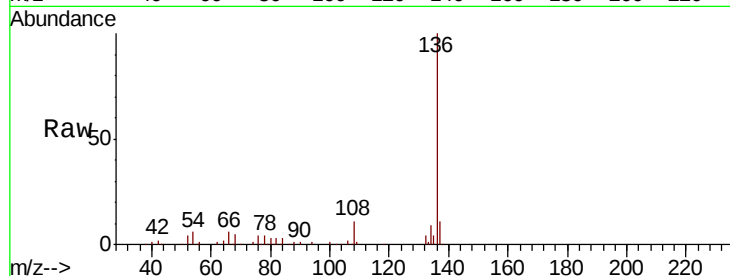




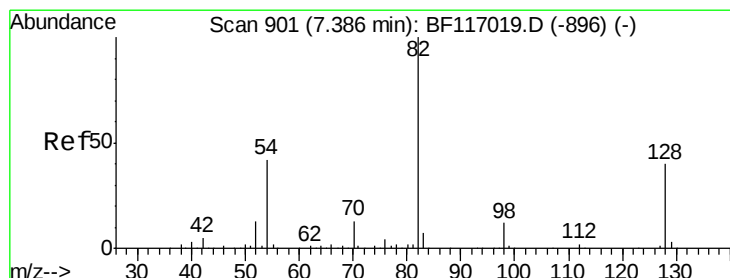
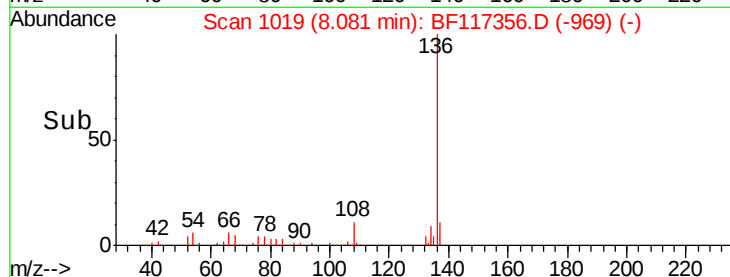
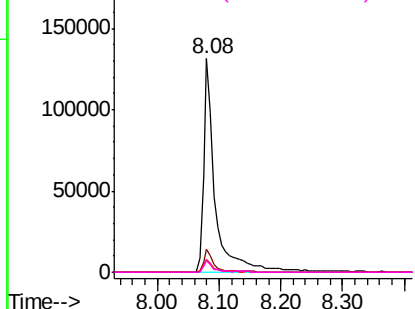
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-062

Tot Ion:136	Resp:	175369
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.0 13.4
54	5.8	4.5 6.7
68	5.3	4.0 6.0

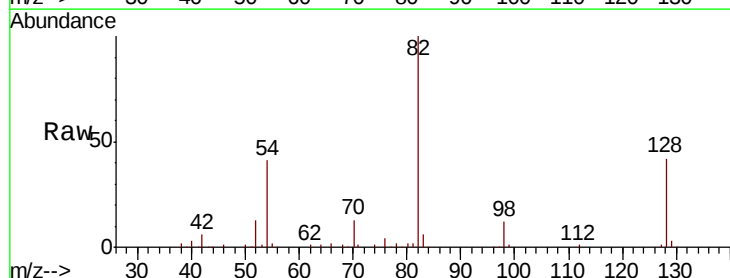


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

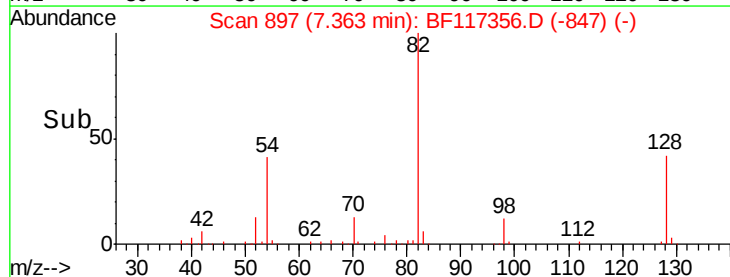
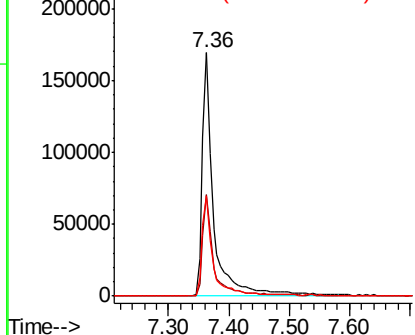


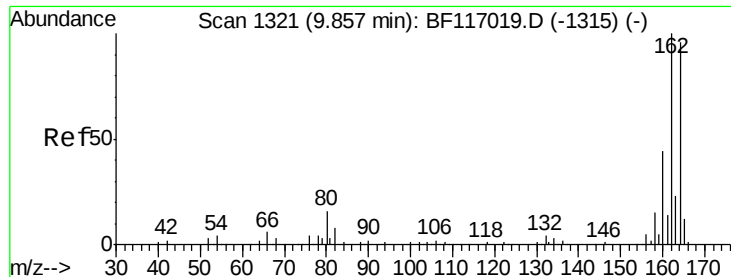
#23
Nitrobenzene-d5
Concen: 67.491 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion: 82	Resp:	225263
Ion	Ratio	Lower Upper
82	100	
128	41.9	32.3 48.5
54	41.0	33.3 49.9



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

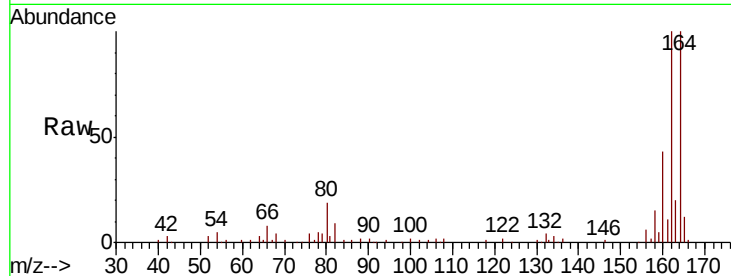




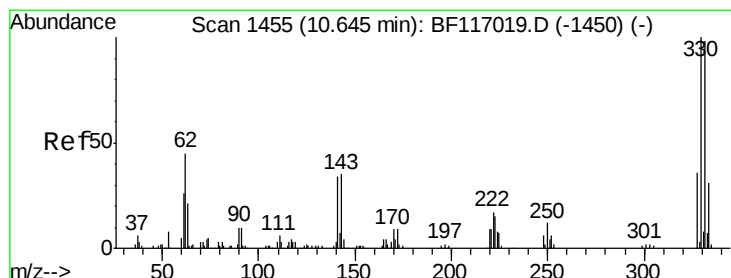
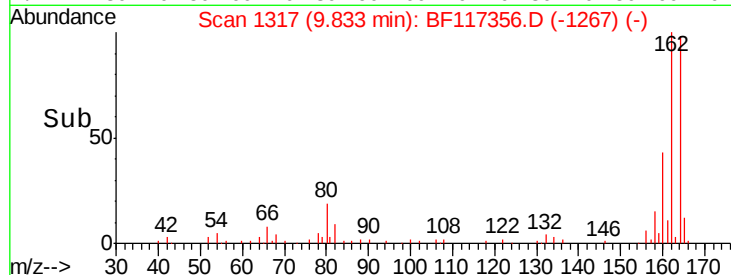
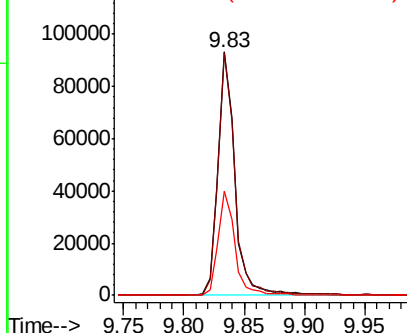
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-062

Tot Ion:164 Resp: 89274
Ion Ratio Lower Upper
164 100
162 99.7 83.4 125.2
160 42.7 36.4 54.6

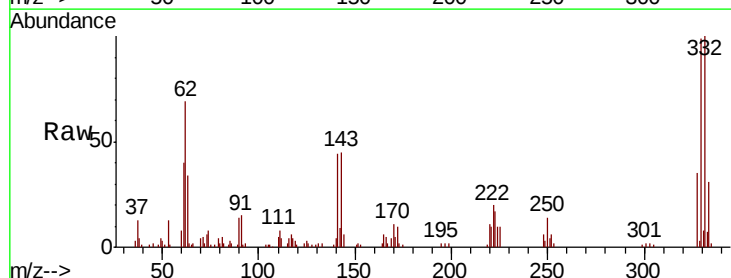


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

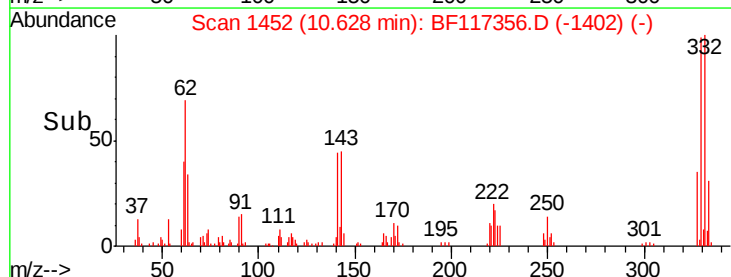
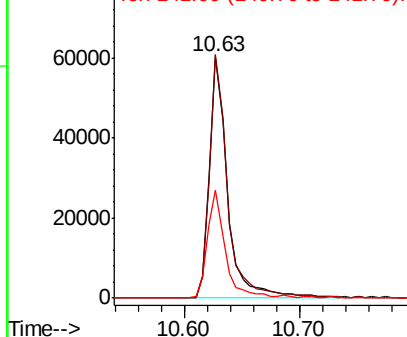


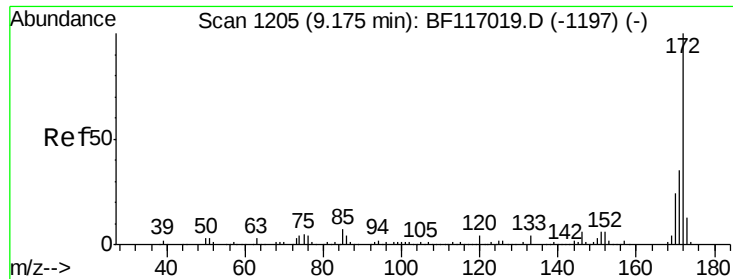
#42
2,4,6-Tribromophenol
Concen: 88.919 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:330 Resp: 66345
Ion Ratio Lower Upper
330 100
332 99.9 78.0 117.0
141 44.1 35.8 53.6



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

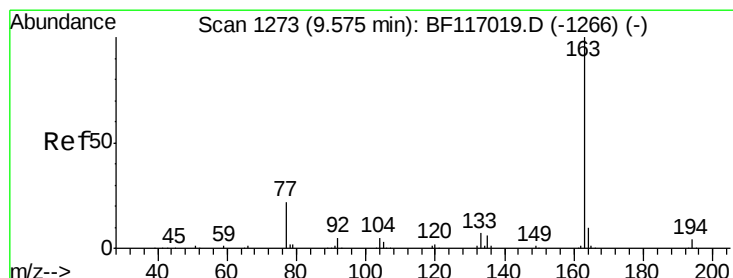
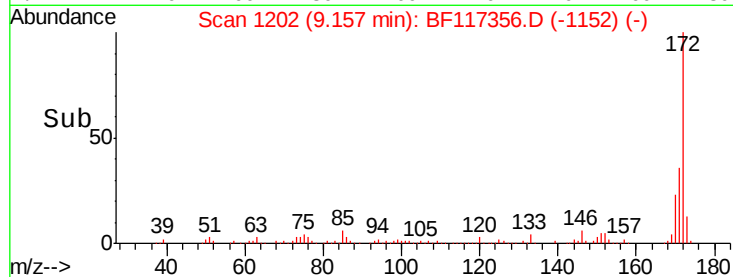
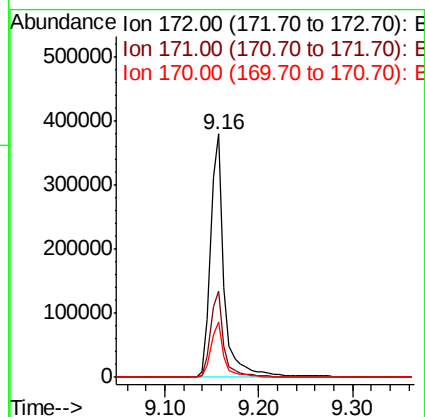
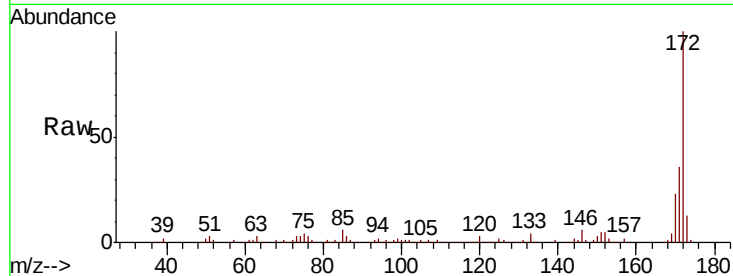




#45
2-Fluorobiphenyl
Concen: 68.934 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

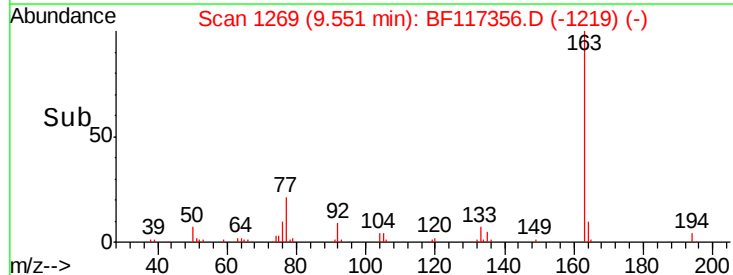
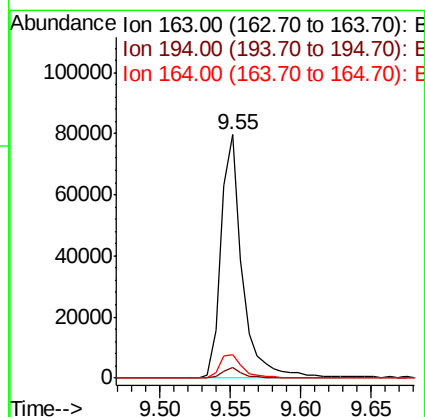
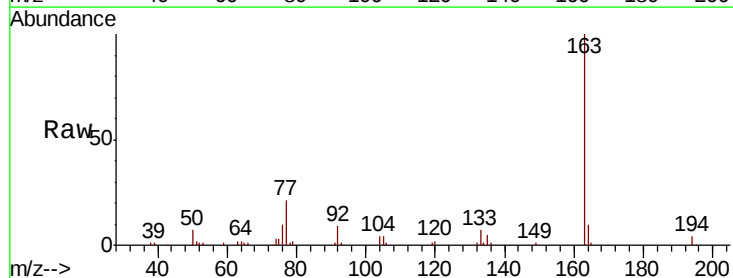
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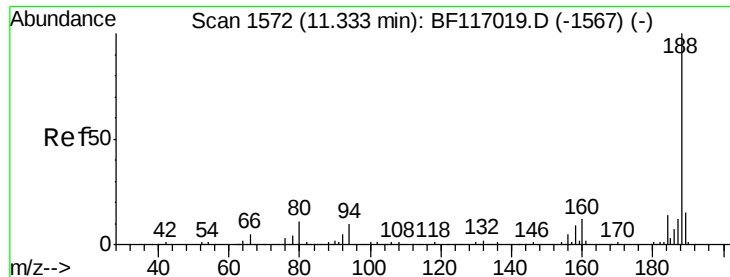
Tot Ion:172 Resp: 393586
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 22.7 18.9 28.3



#50
Dimethylphthalate
Concen: 13.256 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:163 Resp: 83790
Ion Ratio Lower Upper
163 100
194 4.2 2.9 4.3
164 9.8 8.2 12.4

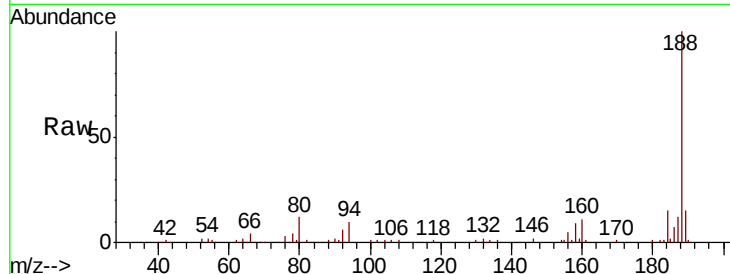




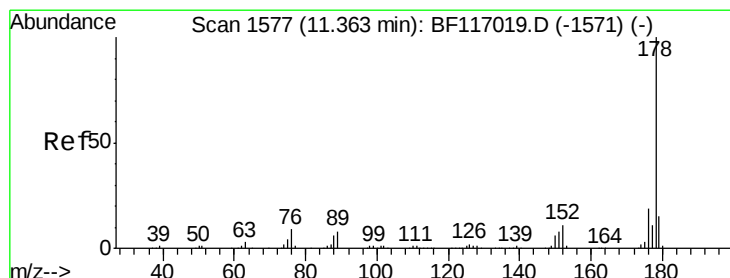
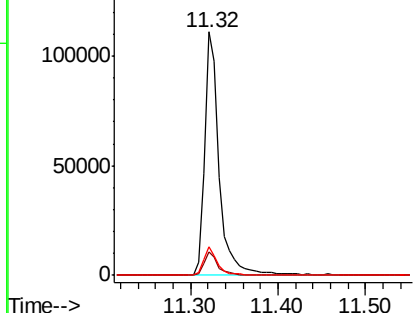
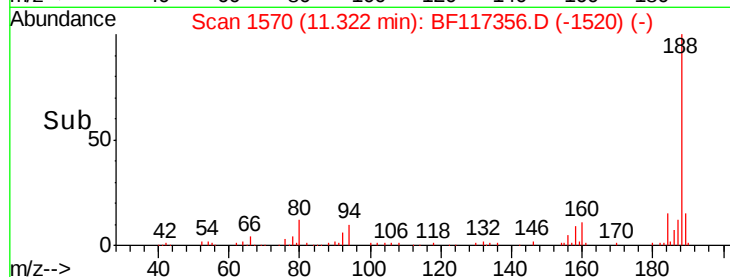
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF117356.D
 Acq: 9 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-062

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.2
80	11.5	9.0	13.6

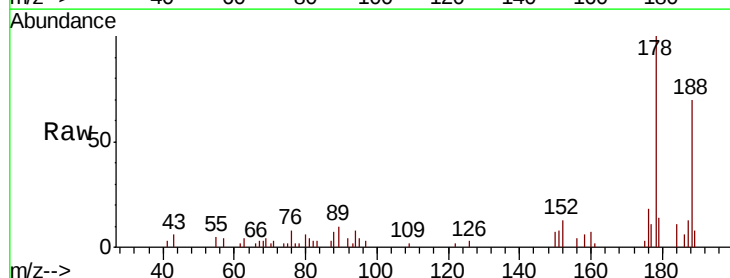


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

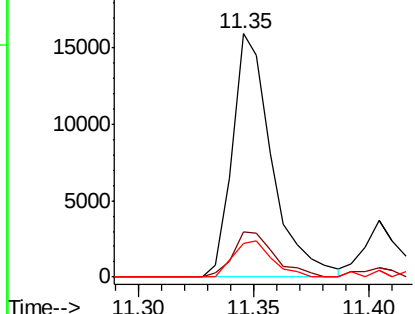
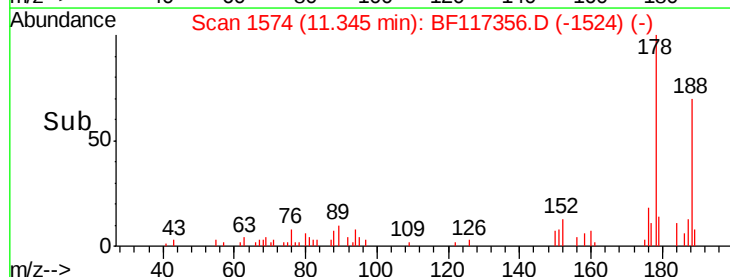


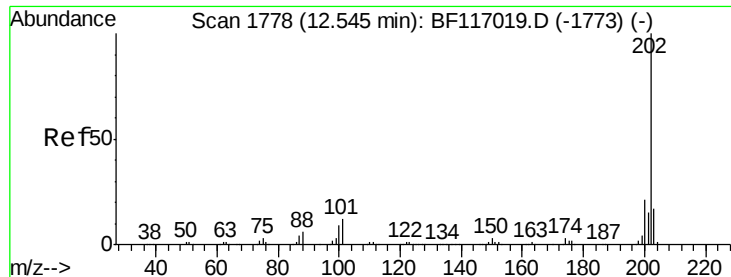
#71
 Phenanthrene
 Concen: 2.607 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF117356.D
 Acq: 9 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	13.9	12.4	18.6



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: 5.740 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Instrument :

BNA_F

ClientSampled :

FK-PS-01-062

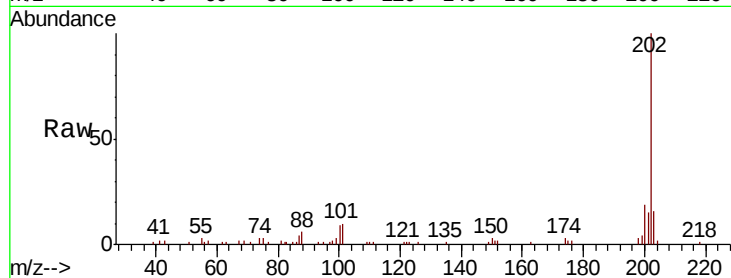
Tot Ion:202 Resp: 43045

Ion Ratio Lower Upper

202 100

101 9.7 0.0 32.3

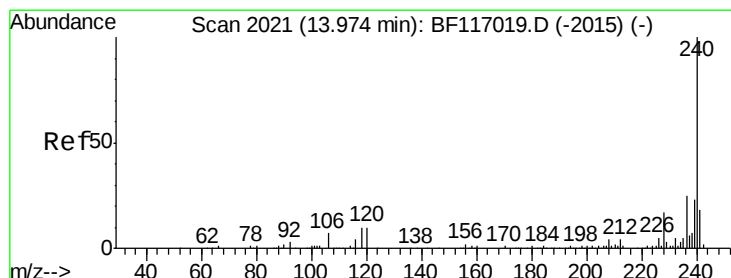
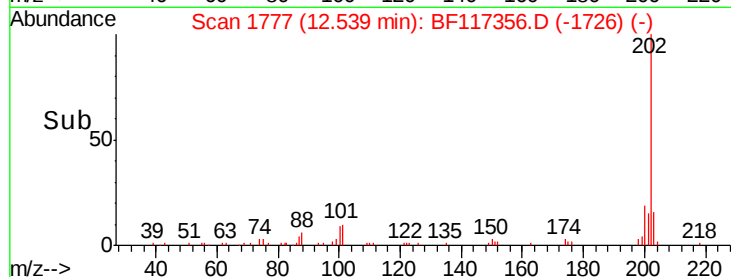
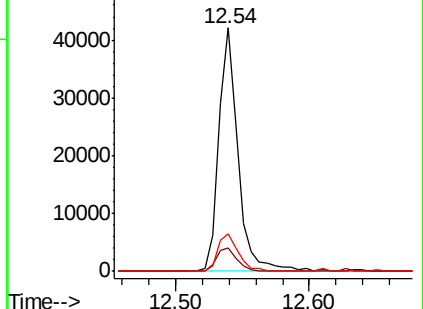
203 15.6 0.0 37.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

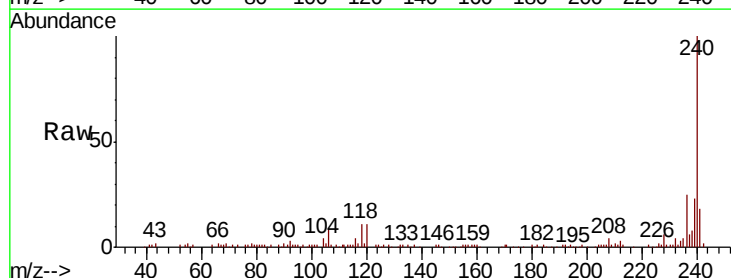
Tgt Ion:240 Resp: 85389

Ion Ratio Lower Upper

240 100

120 11.3 8.3 12.5

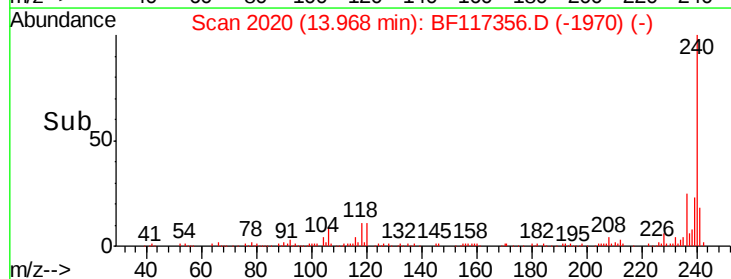
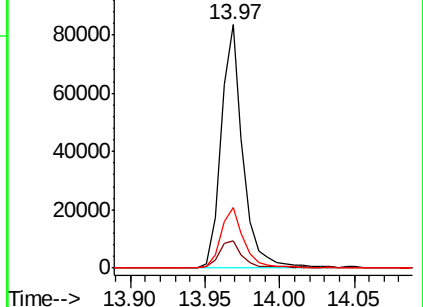
236 24.8 20.3 30.5

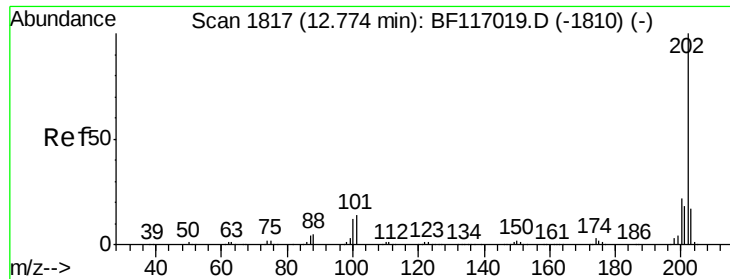


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

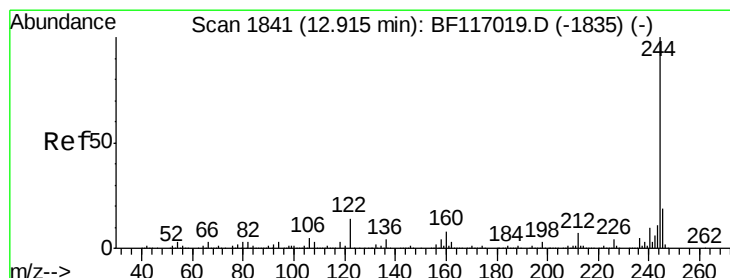
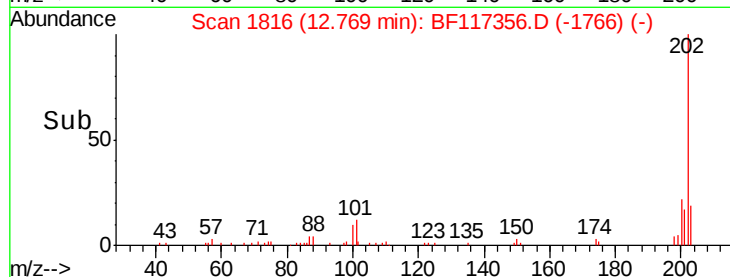
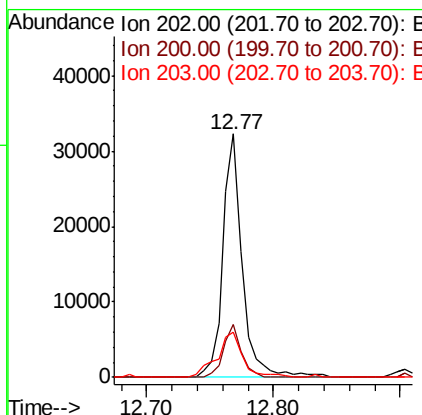
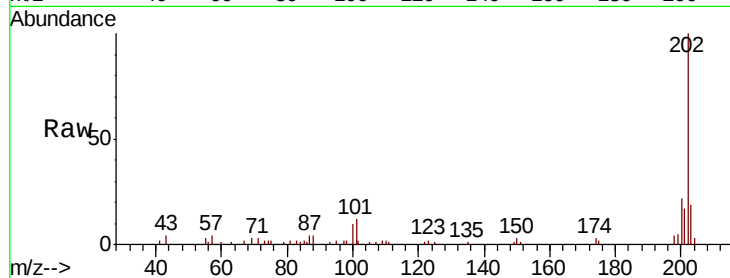




#78
Pvrene
Concen: 4.794 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

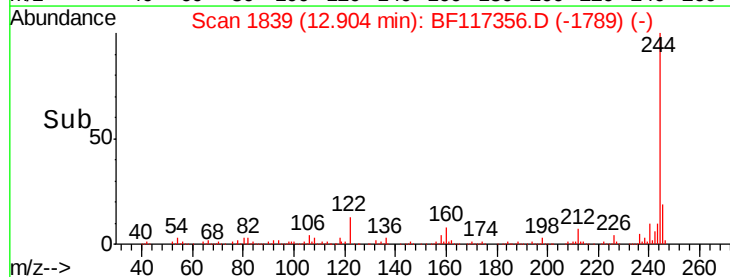
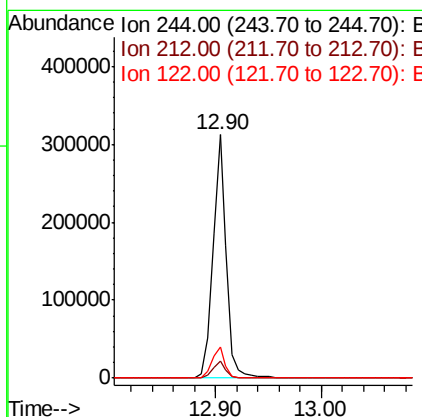
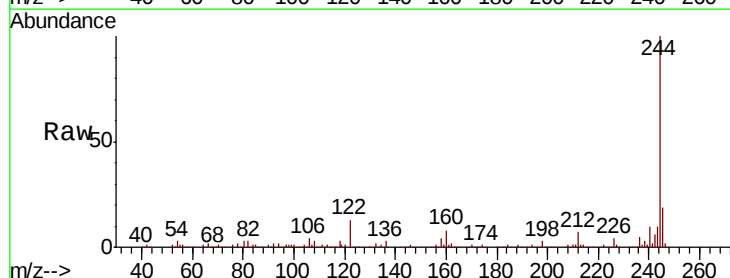
Instrument :
BNA_F
ClientSampleId :
FK-PS-01-062

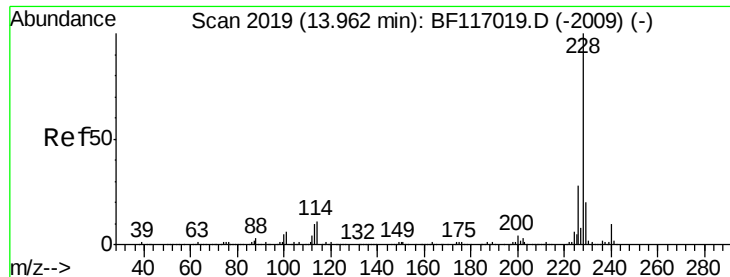
Tot Ion:202 Resp: 34350
Ion Ratio Lower Upper
202 100
200 21.7 17.2 25.8
203 18.6 14.0 21.0



#79
Terphenyl-d14
Concen: 61.000 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:244 Resp: 278657
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 12.6 11.3 16.9





#81

Benzo(a)anthracene

Concen: 2.954 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-062

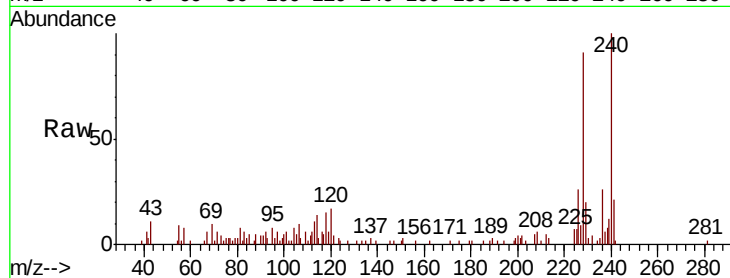
Tot Ion:228 Resp: 16850

Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

229 21.7 15.9 23.9

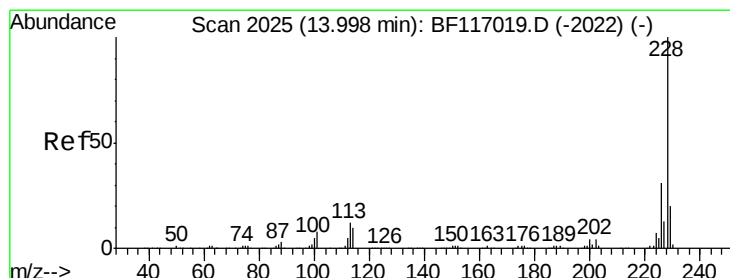
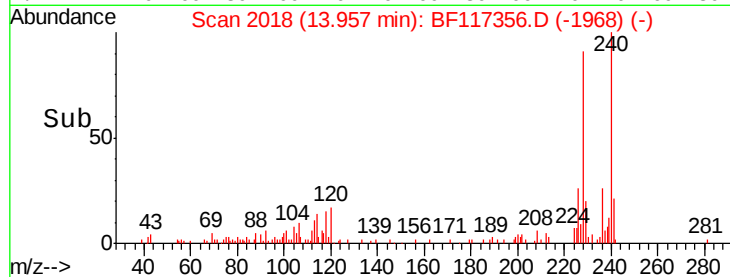
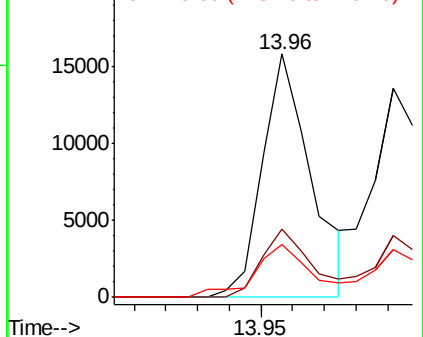


Abundance

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: 3.082 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

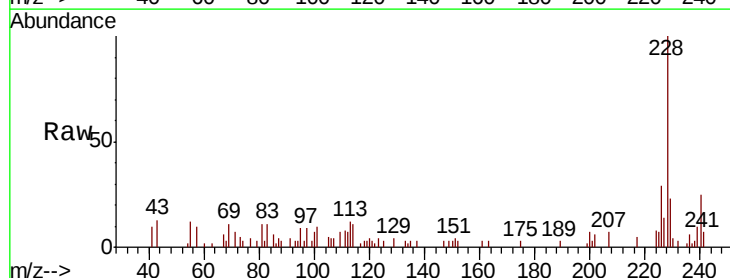
Tgt Ion:228 Resp: 17147

Ion Ratio Lower Upper

228 100

226 29.4 24.8 37.2

229 22.8 15.8 23.8

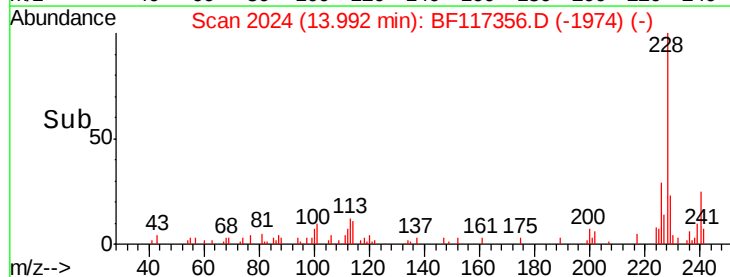
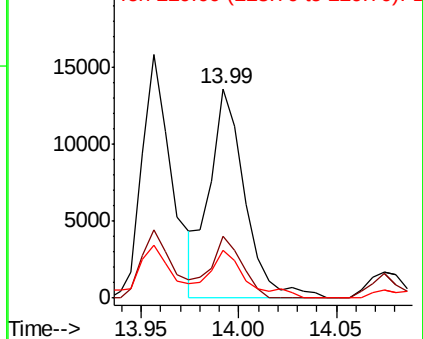


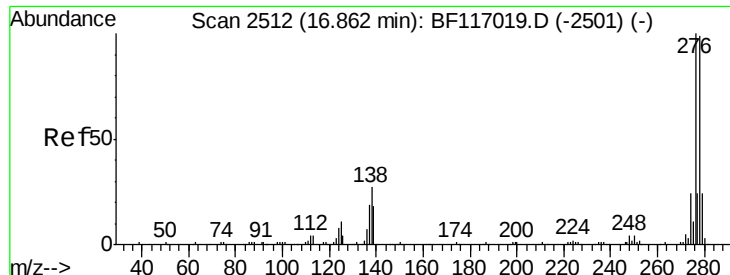
Abundance

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

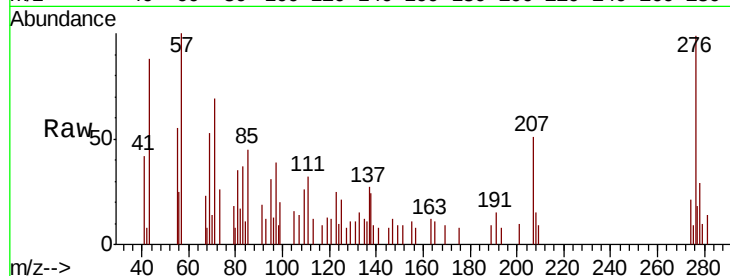




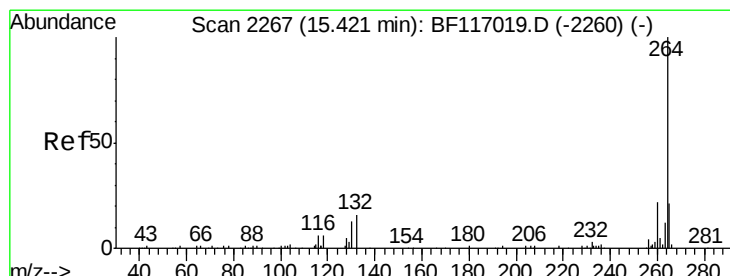
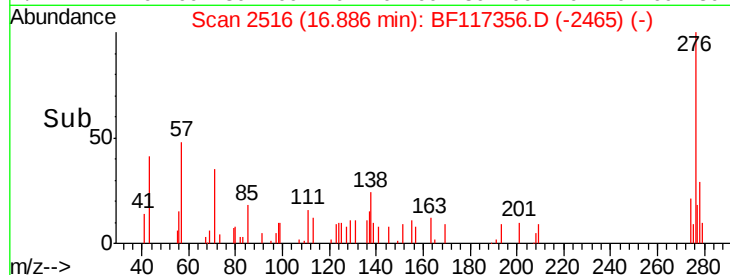
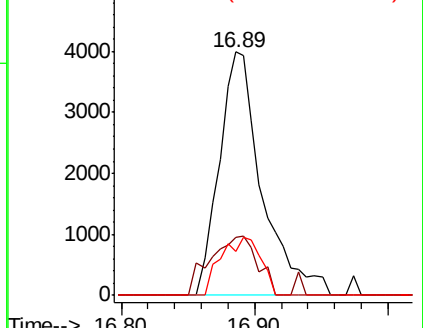
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.200 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.00 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-062

Tot Ion:276 Resp: 8930
Ion Ratio Lower Upper
276 100
138 26.7 20.7 31.1
277 22.2 19.8 29.8

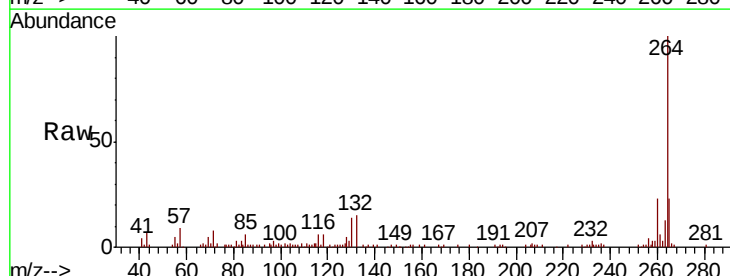


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

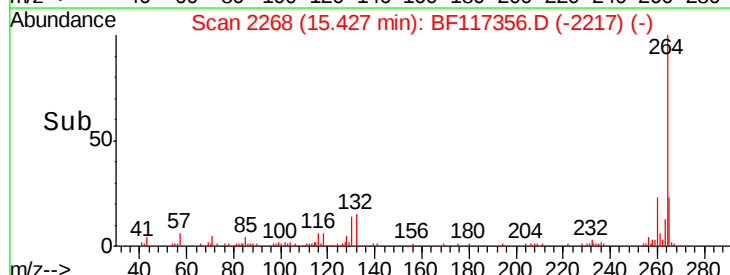
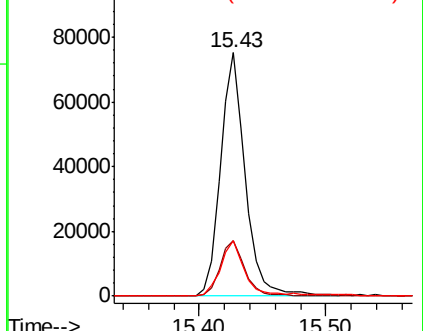


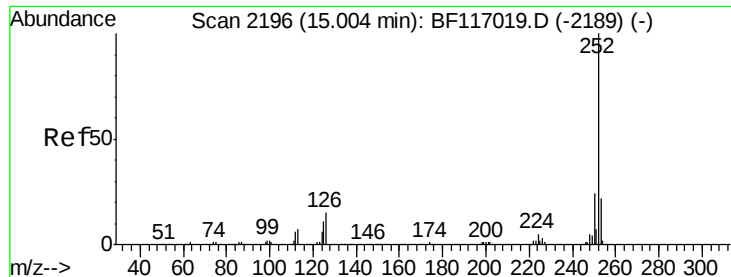
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:264 Resp: 101842
Ion Ratio Lower Upper
264 100
260 22.8 17.6 26.4
265 22.7 16.6 24.8



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: 3.666 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-062

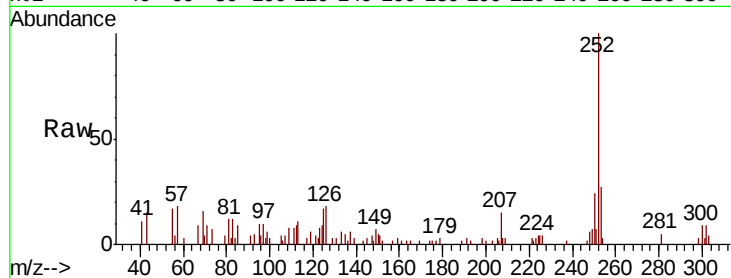
Tot Ion:252 Resp: 22615

Ion Ratio Lower Upper

252 100

253 27.3 17.6 26.4#

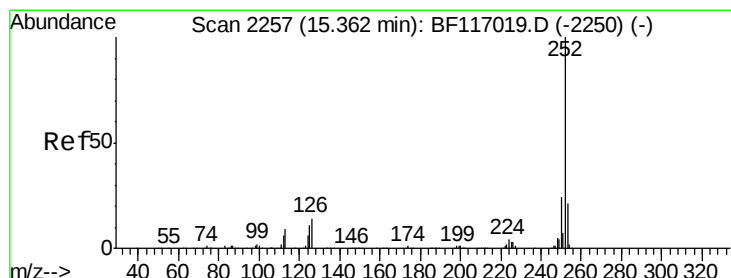
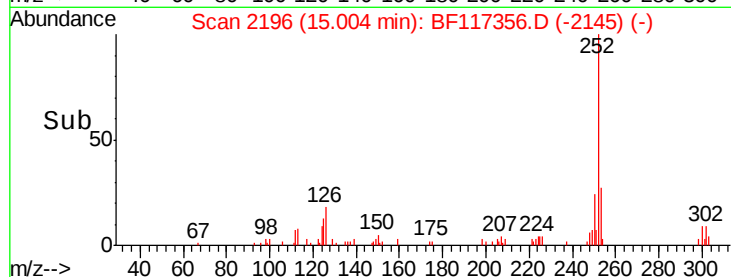
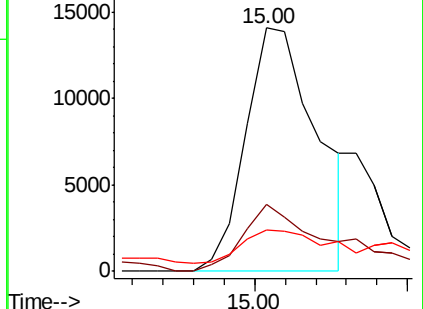
125 16.9 8.6 12.8#



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



#90

Benzo(a)pyrene

Concen: 2.833 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

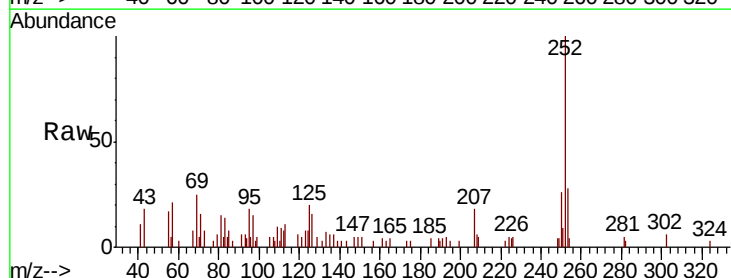
Tgt Ion:252 Resp: 15335

Ion Ratio Lower Upper

252 100

253 27.6 16.6 25.0#

125 19.9 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

