

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112833.D
 Acq On : 4 Mar 2019 19:18
 Operator : JU/SJ
 Sample : K1688-09 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-E

Quant Time: Mar 05 00:39:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

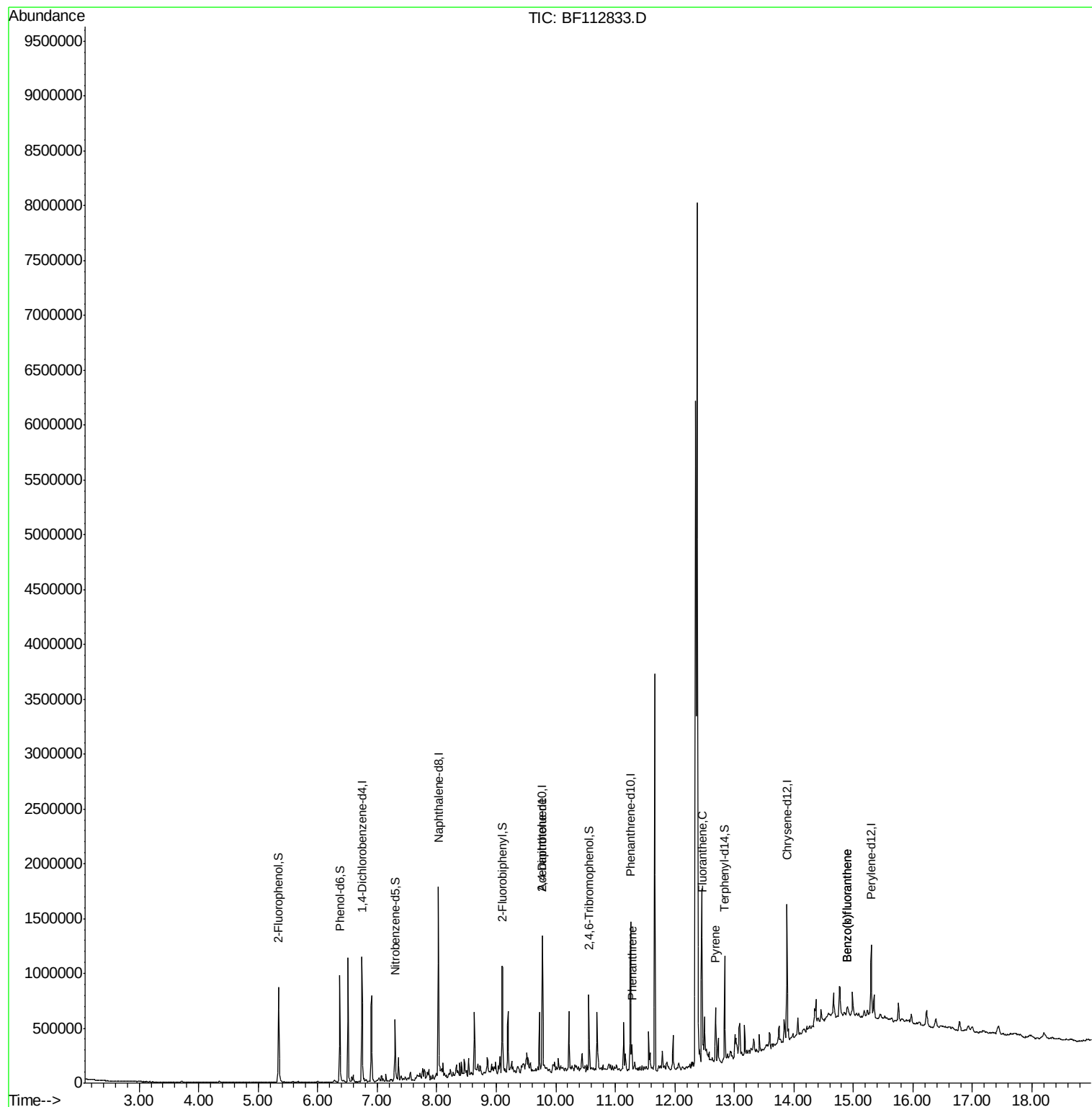
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	160054	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	595722	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	265657	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	498023	20.00	ng	0.01
76) Chrysene-d12	13.89	240	421725	20.00	ng	0.01
87) Perylene-d12	15.30	264	306643	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	256982	24.98	ng	0.00
7) Phenol-d6	6.37	99	343669	26.59	ng	0.00
23) Nitrobenzene-d5	7.30	82	181274	18.21	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	88399	31.34	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	346586	16.83	ng	0.00
79) Terphenyl-d14	12.84	244	342350	15.74	ng	0.01
Target Compounds						
57) 2,4-Dinitrotoluene	9.77	165	35822	7.065	ng	Qvalue 19
71) Phenanthrene	11.28	178	74432	3.004	ng	97
75) Fluoranthene	12.46	202	112177	4.226	ng	97
78) Pyrene	12.69	202	99571	2.801	ng	98
88) Benzo(b)fluoranthene	14.90	252	53503	2.697	ng	# 74
89) Benzo(k)fluoranthene	14.90	252	53503	2.978	ng	# 74

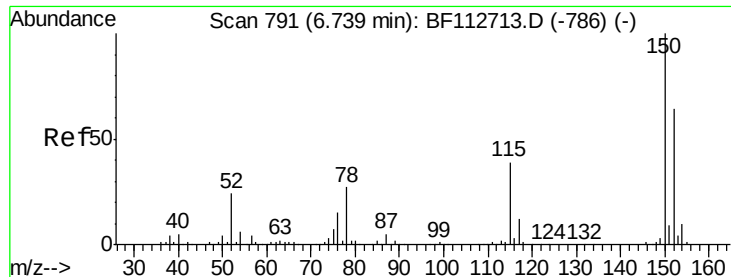
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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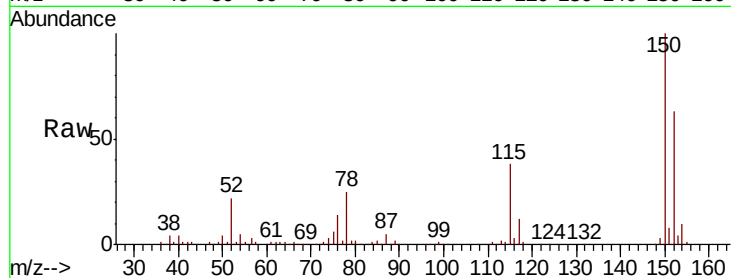


#1

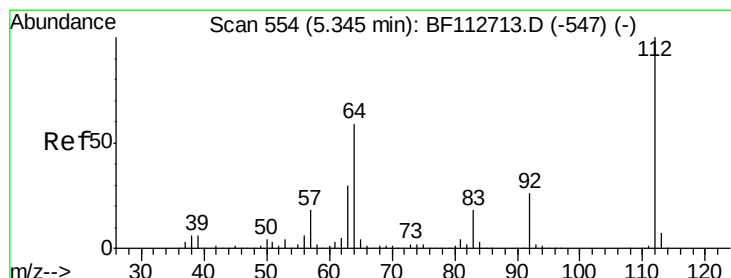
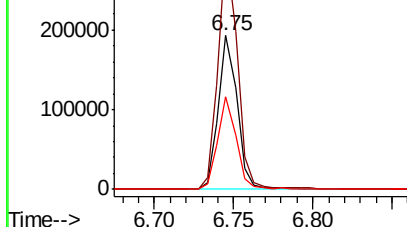
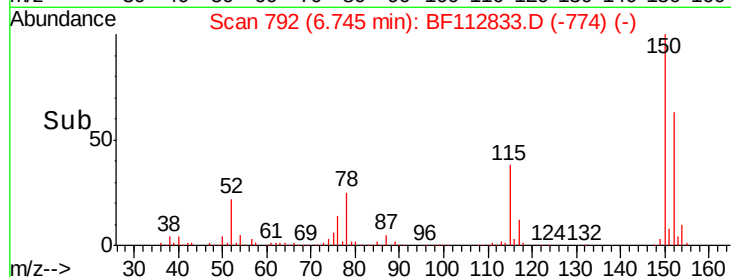
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112833.D
Acq: 4 Mar 2019 19:18

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-E

Tgt Ion:152 Resp: 160054
Ion Ratio Lower Upper
152 100
150 158.4 124.2 186.2
115 60.6 48.2 72.4



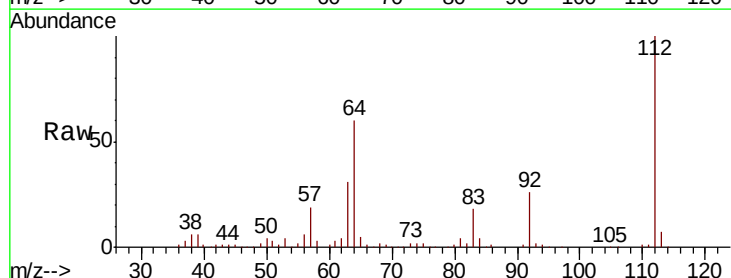
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



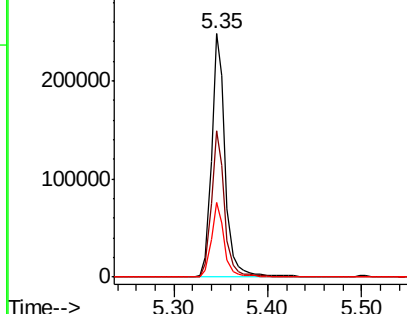
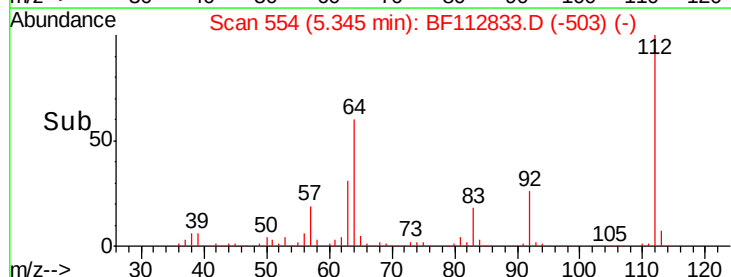
#5

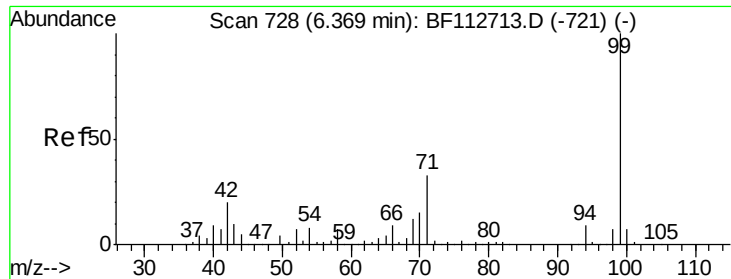
2-Fluorophenol
Concen: 24.976 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF112833.D
Acq: 4 Mar 2019 19:18

Tgt Ion:112 Resp: 256982
Ion Ratio Lower Upper
112 100
64 60.1 47.6 71.4
63 30.5 24.4 36.6



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: 26.589 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112833.D

Acq: 4 Mar 2019 19:18

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-E

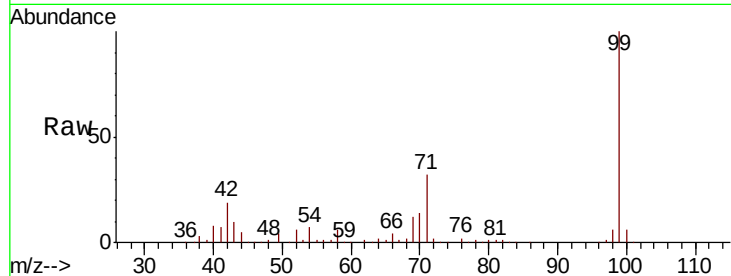
Tgt Ion: 99 Resp: 343669

Ion Ratio Lower Upper

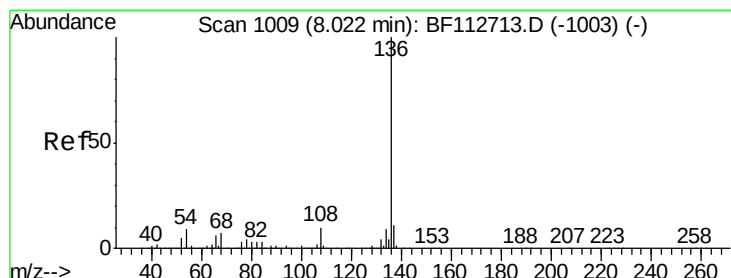
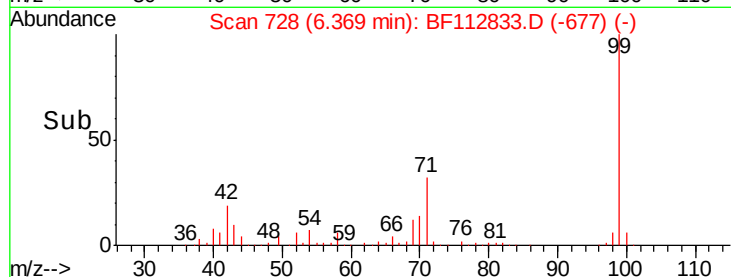
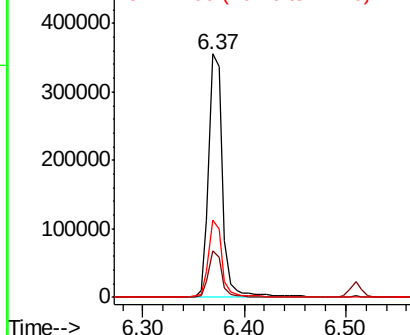
99 100

42 19.1 16.3 24.5

71 31.9 26.2 39.4



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: 8.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BF112833.D

Acq: 4 Mar 2019 19:18

Tgt Ion: 136 Resp: 595722

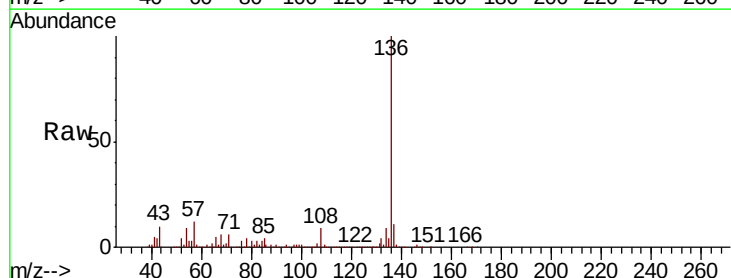
Ion Ratio Lower Upper

136 100

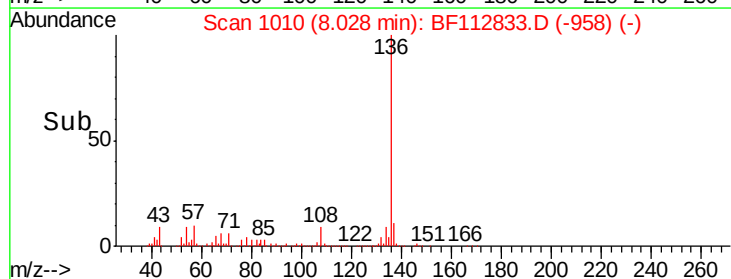
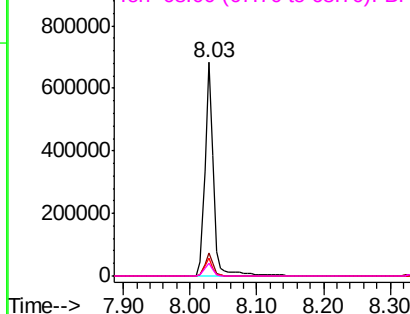
137 10.9 8.9 13.3

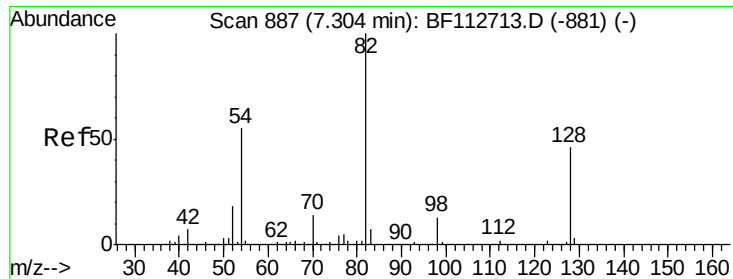
54 8.6 7.3 10.9

68 5.9 5.4 8.2



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

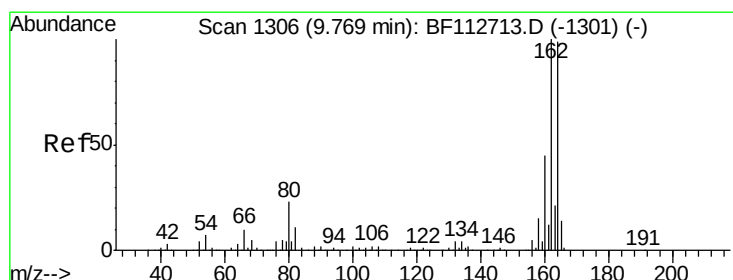
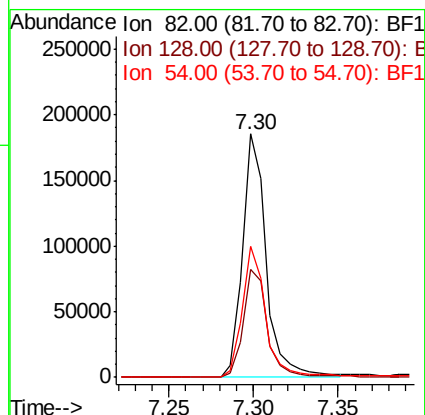
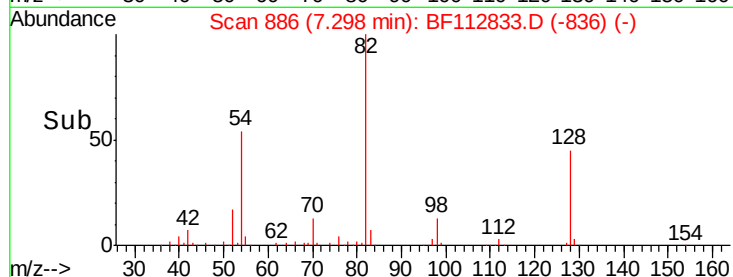
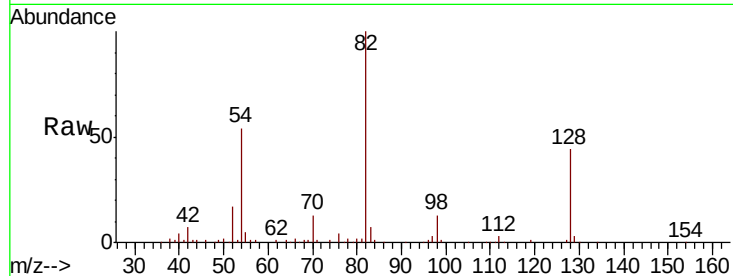




#23
 Nitrobenzene-d5
 Concen: 18.208 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF112833.D
 Acq: 4 Mar 2019 19:18

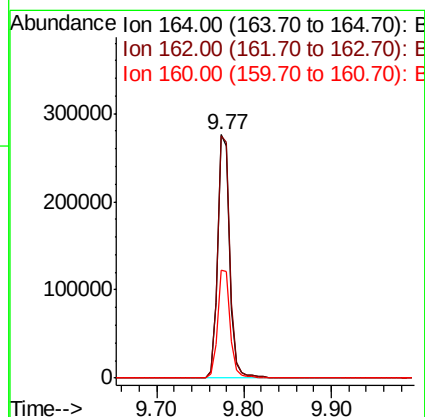
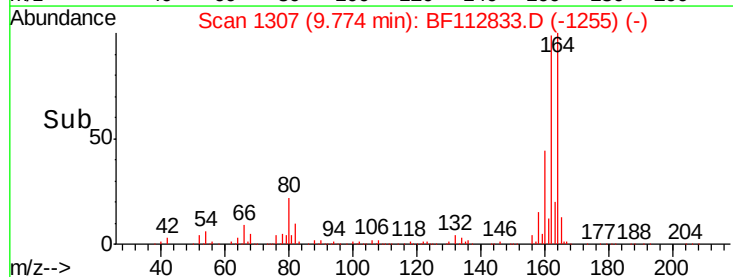
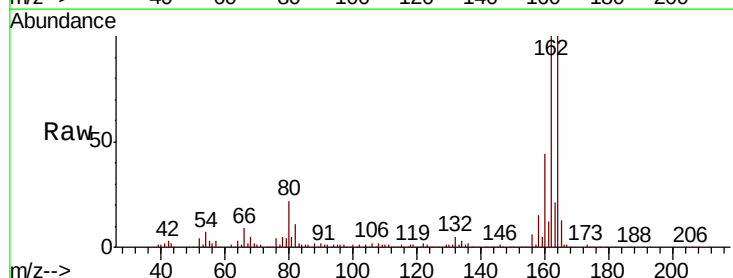
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-E

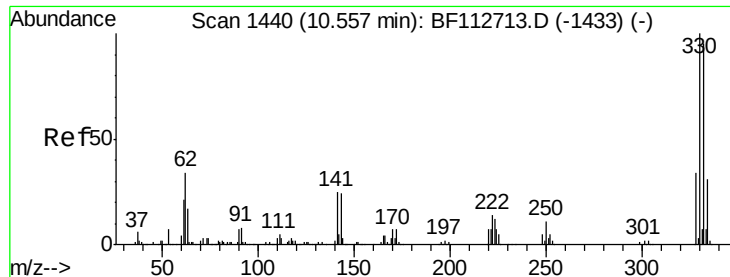
Tgt Ion: 82 Resp: 181274
 Ion Ratio Lower Upper
 82 100
 128 44.4 36.3 54.5
 54 53.9 43.7 65.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112833.D
 Acq: 4 Mar 2019 19:18

Tgt Ion: 164 Resp: 265657
 Ion Ratio Lower Upper
 164 100
 162 99.6 80.6 120.8
 160 44.4 36.0 54.0

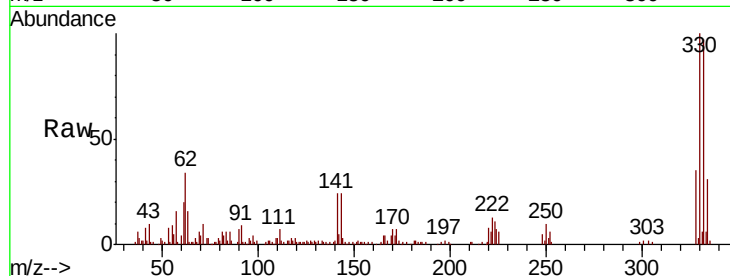




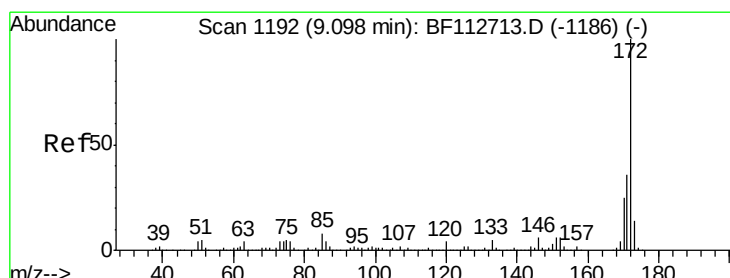
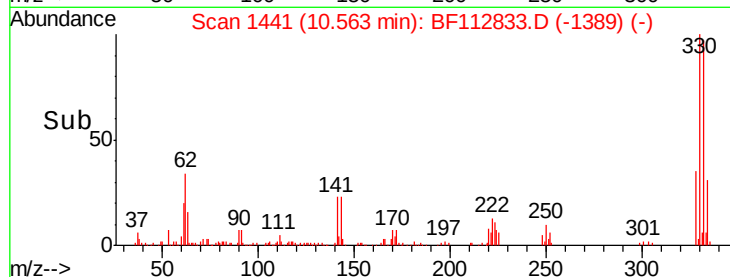
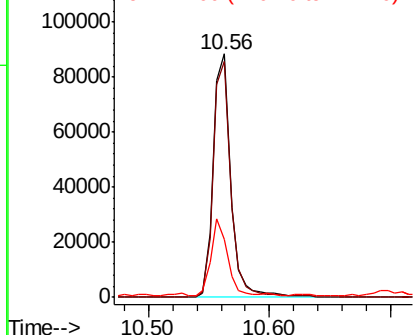
#42
 2,4,6-Tribromophenol
 Concen: 31.344 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF112833.D
 Acq: 4 Mar 2019 19:18

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-E

Tgt Ion:330 Resp: 88399
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.2 114.4
 141 29.1 27.0 40.6

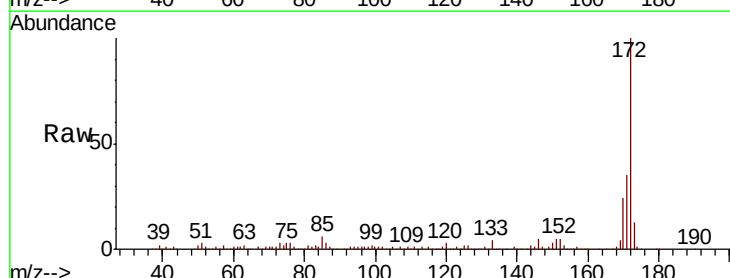


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

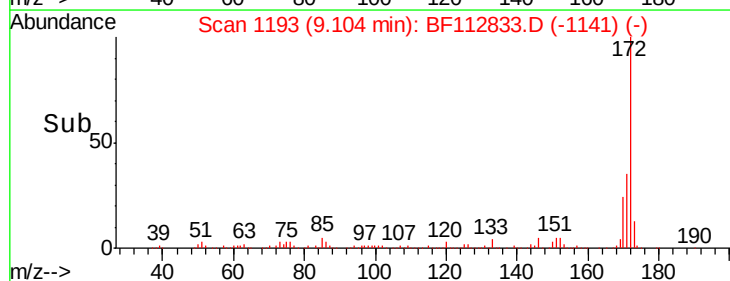
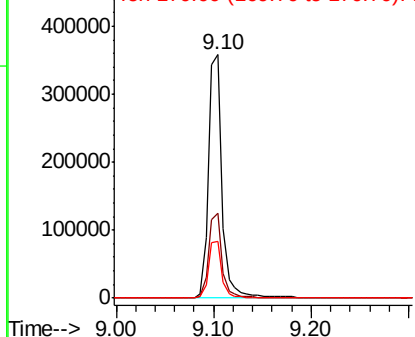


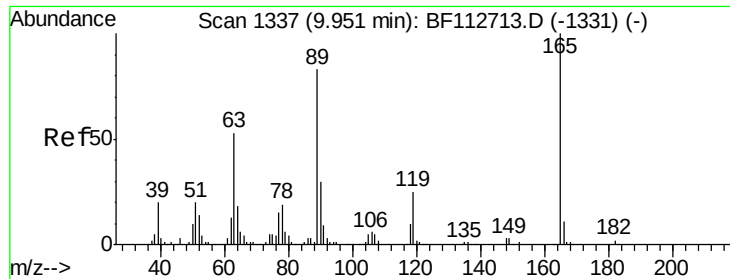
#45
 2-Fluorobiphenyl
 Concen: 16.832 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BF112833.D
 Acq: 4 Mar 2019 19:18

Tgt Ion:172 Resp: 346586
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.0 43.4
 170 23.5 20.0 30.0



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





#57

2,4-Dinitrotoluene

Concen: 7.065 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.18 min

Lab File: BF112833.D

Acq: 4 Mar 2019 19:18

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-E

Tgt Ion:165 Resp: 35822

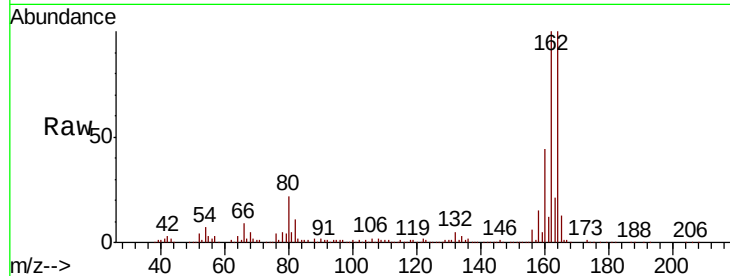
Ion Ratio Lower Upper

165 100

63 1.9 42.2 63.2#

89 2.8 66.2 99.4#

182 3.7 1.8 2.6#

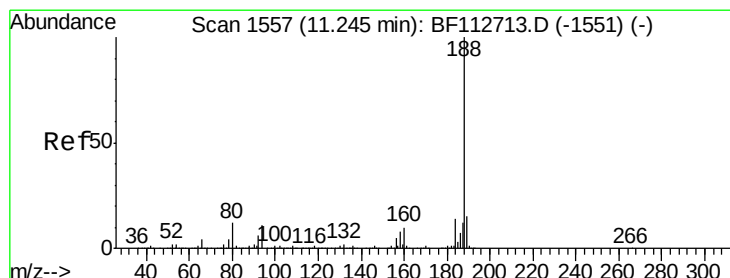
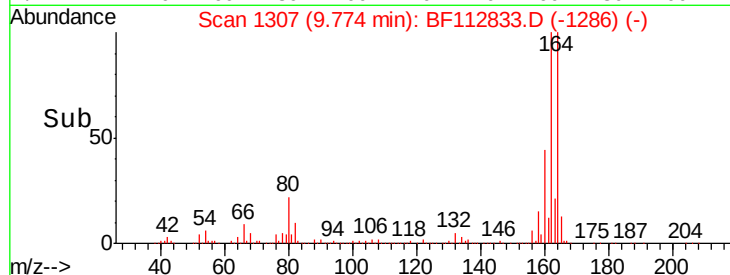
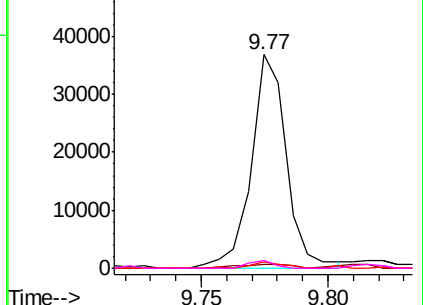


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF112833.D

Acq: 4 Mar 2019 19:18

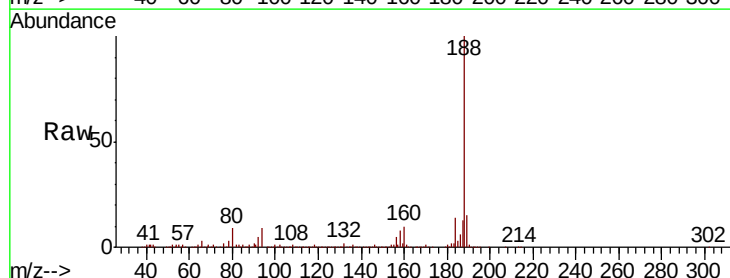
Tgt Ion:188 Resp: 498023

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.4

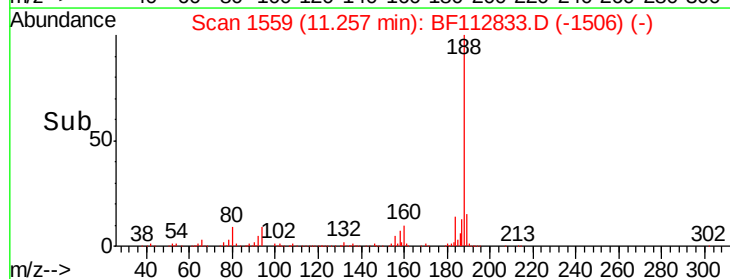
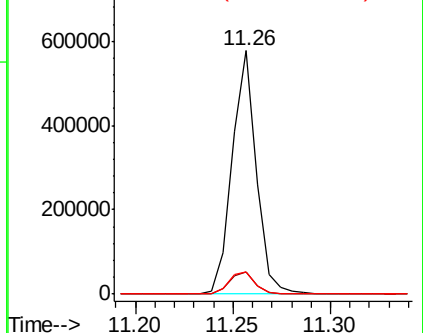
80 9.2 9.2 13.8

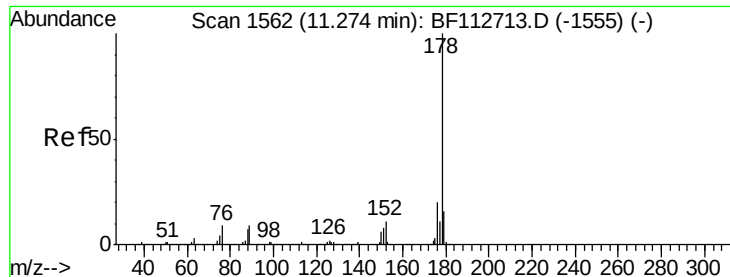


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 3.004 ng

RT: 11.28 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BF112833.D

Acq: 4 Mar 2019 19:18

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-E

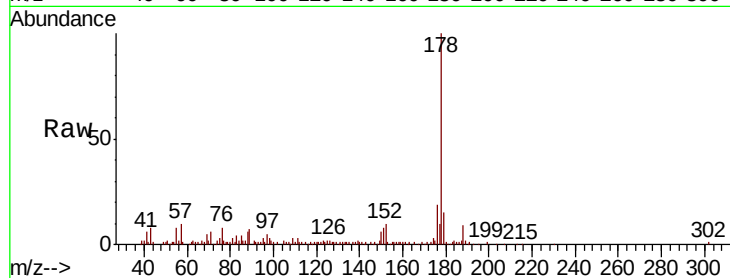
Tgt Ion:178 Resp: 74432

Ion Ratio Lower Upper

178 100

176 18.5 16.3 24.5

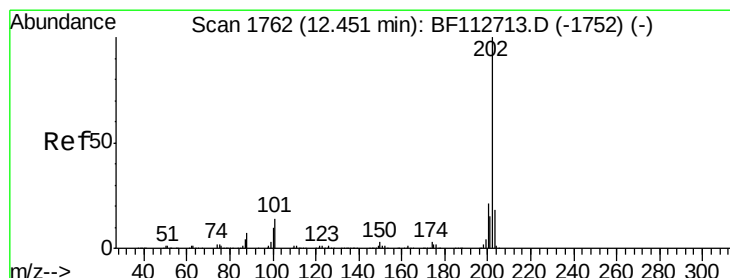
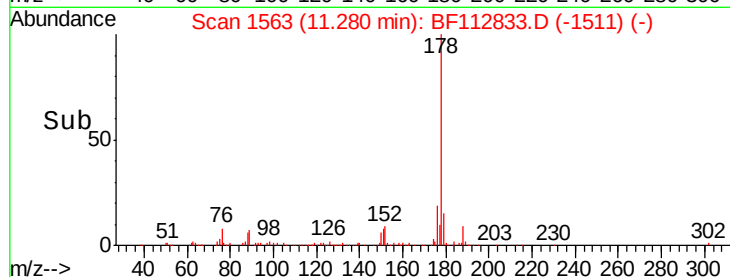
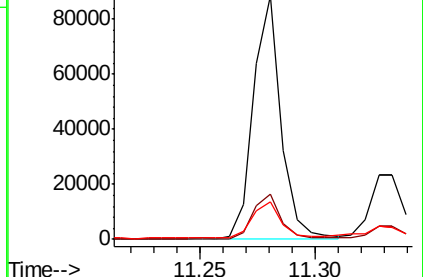
179 15.2 12.7 19.1



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: 4.226 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF112833.D

Acq: 4 Mar 2019 19:18

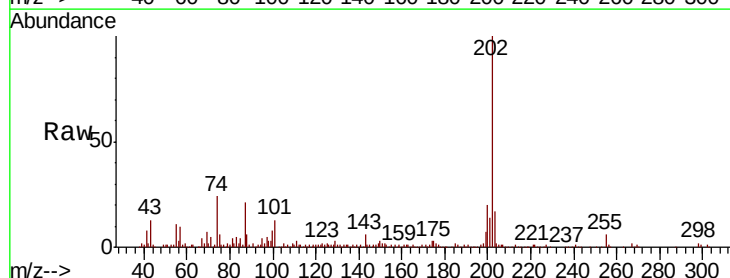
Tgt Ion:202 Resp: 112177

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.8

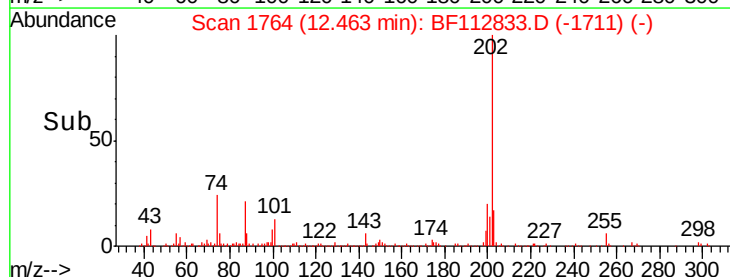
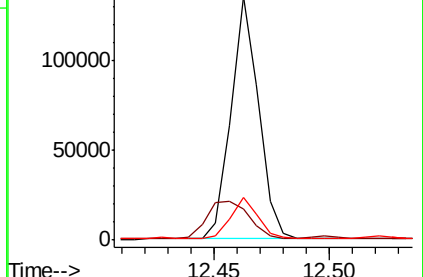
203 17.3 0.0 38.4

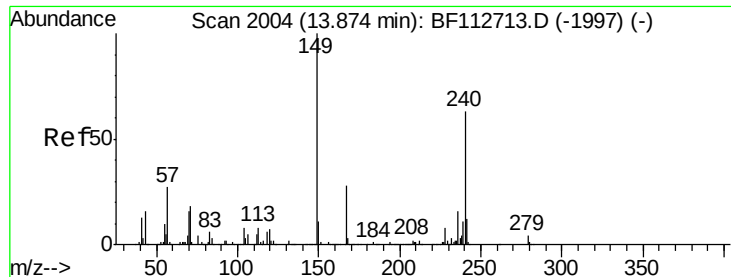


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

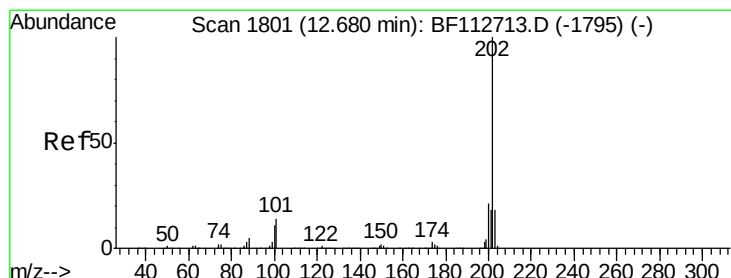
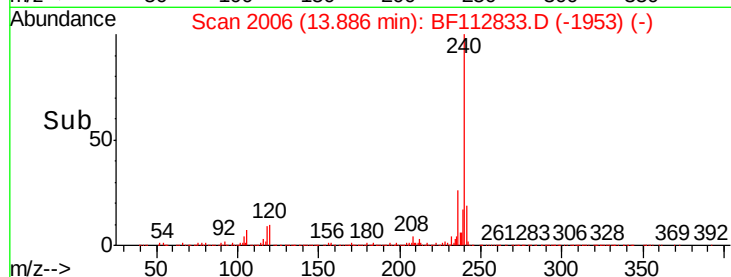
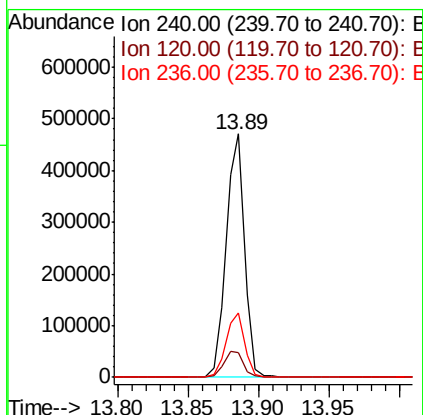
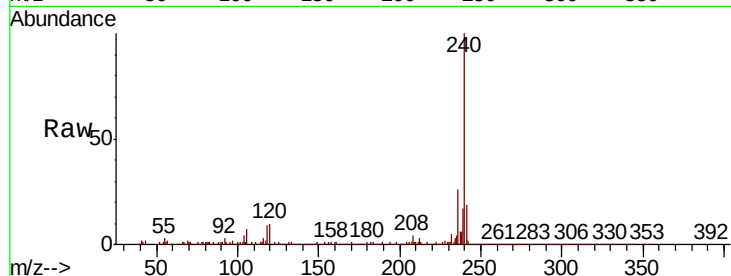




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF112833.D
Acq: 4 Mar 2019 19:18

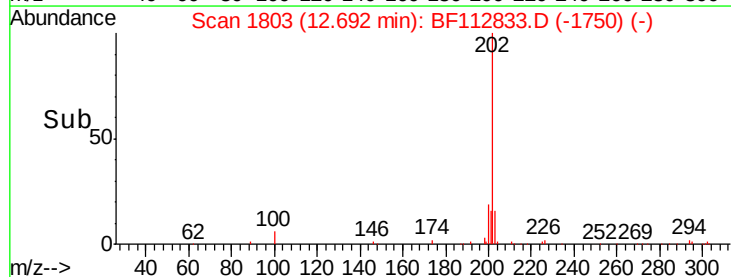
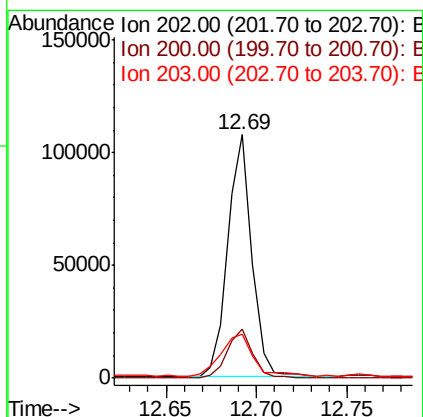
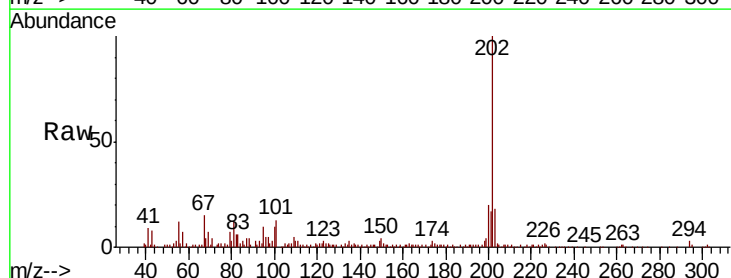
Instrument :
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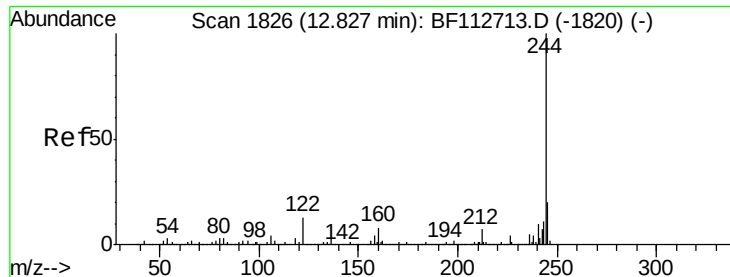
Tgt Ion:240 Resp: 421725
Ion Ratio Lower Upper
240 100
120 10.2 8.9 13.3
236 26.3 20.7 31.1



#78
Pyrene
Concen: 2.801 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF112833.D
Acq: 4 Mar 2019 19:18

Tgt Ion:202 Resp: 99571
Ion Ratio Lower Upper
202 100
200 20.0 17.0 25.4
203 18.3 14.4 21.6





#79

Terphenyl-d14

Concen: 15.736 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF112833.D

Acq: 4 Mar 2019 19:18

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-E

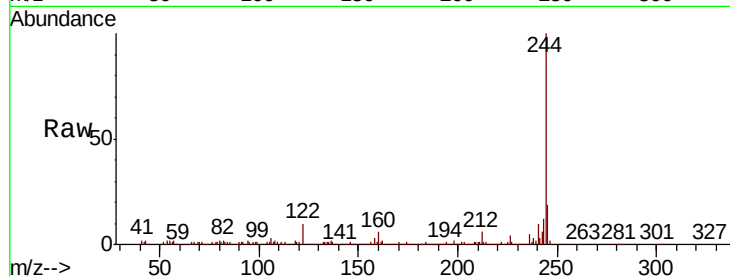
Tgt Ion:244 Resp: 342350

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

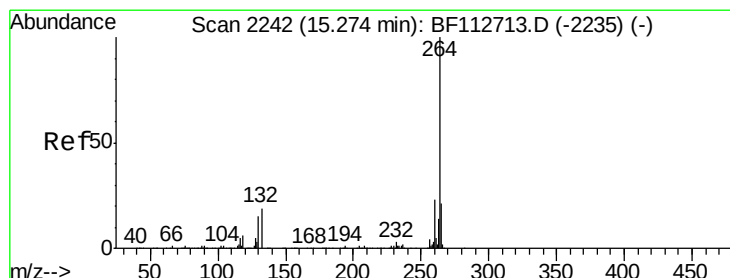
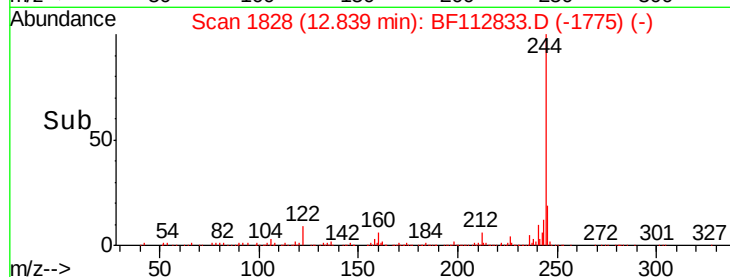
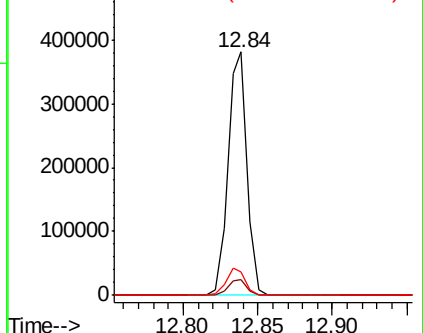
122 9.7 10.5 15.7#



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: 15.30 min Scan# 2246

Delta R.T. 0.02 min

Lab File: BF112833.D

Acq: 4 Mar 2019 19:18

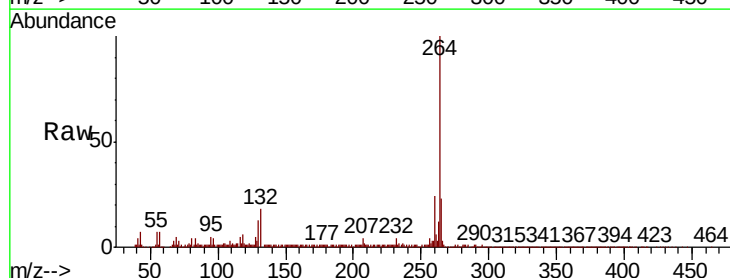
Tgt Ion:264 Resp: 306643

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

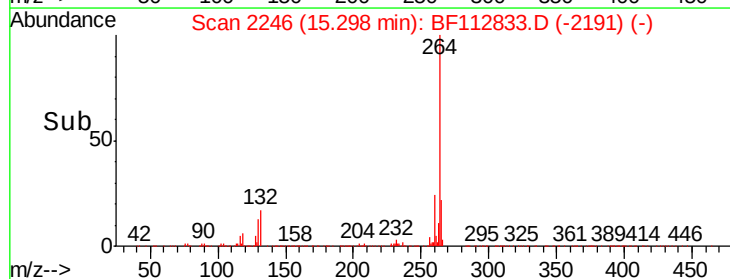
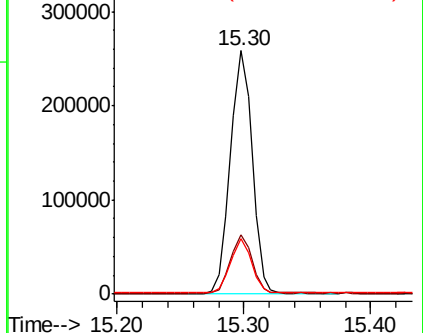
265 22.6 17.2 25.8

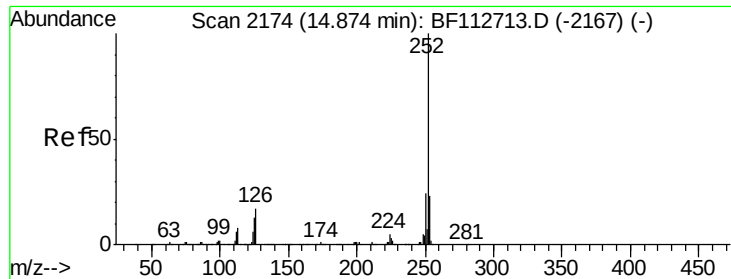


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

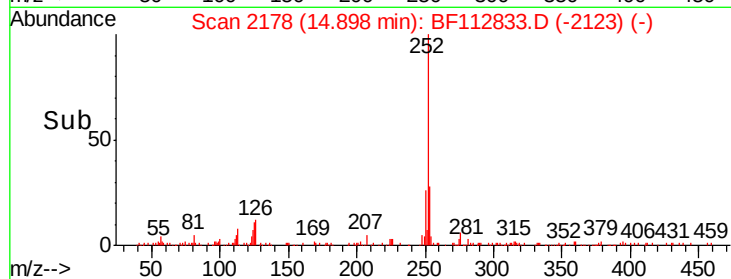
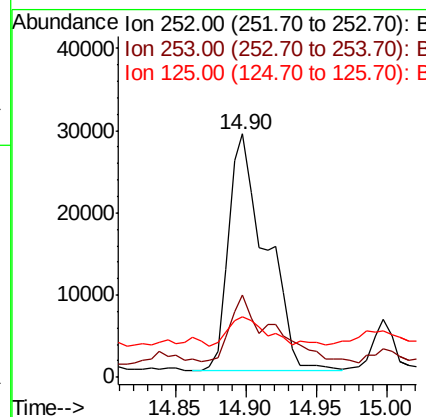
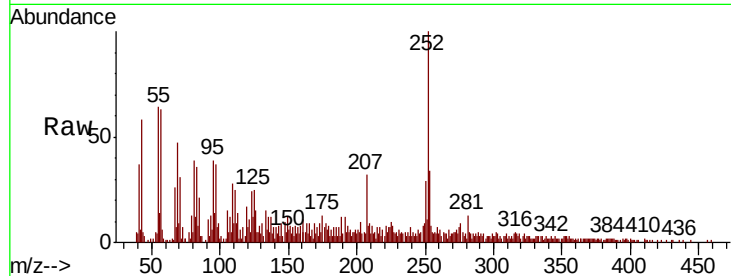




#88
Benzo(b)fluoranthene
Concen: 2.697 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF112833.D
Acq: 4 Mar 2019 19:18

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-E

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.6	18.0	27.0#
125	25.1	10.2	15.2#



#89
Benzo(k)fluoranthene
Concen: 2.978 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112833.D
Acq: 4 Mar 2019 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.6	18.2	27.2#
125	25.1	9.8	14.6#

