

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116540.D
 Acq On : 25 Aug 2019 18:57
 Operator : HP/JU
 Sample : K4385-16RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T8-D-(0-2)RE

Quant Time: Aug 26 16:51:20 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

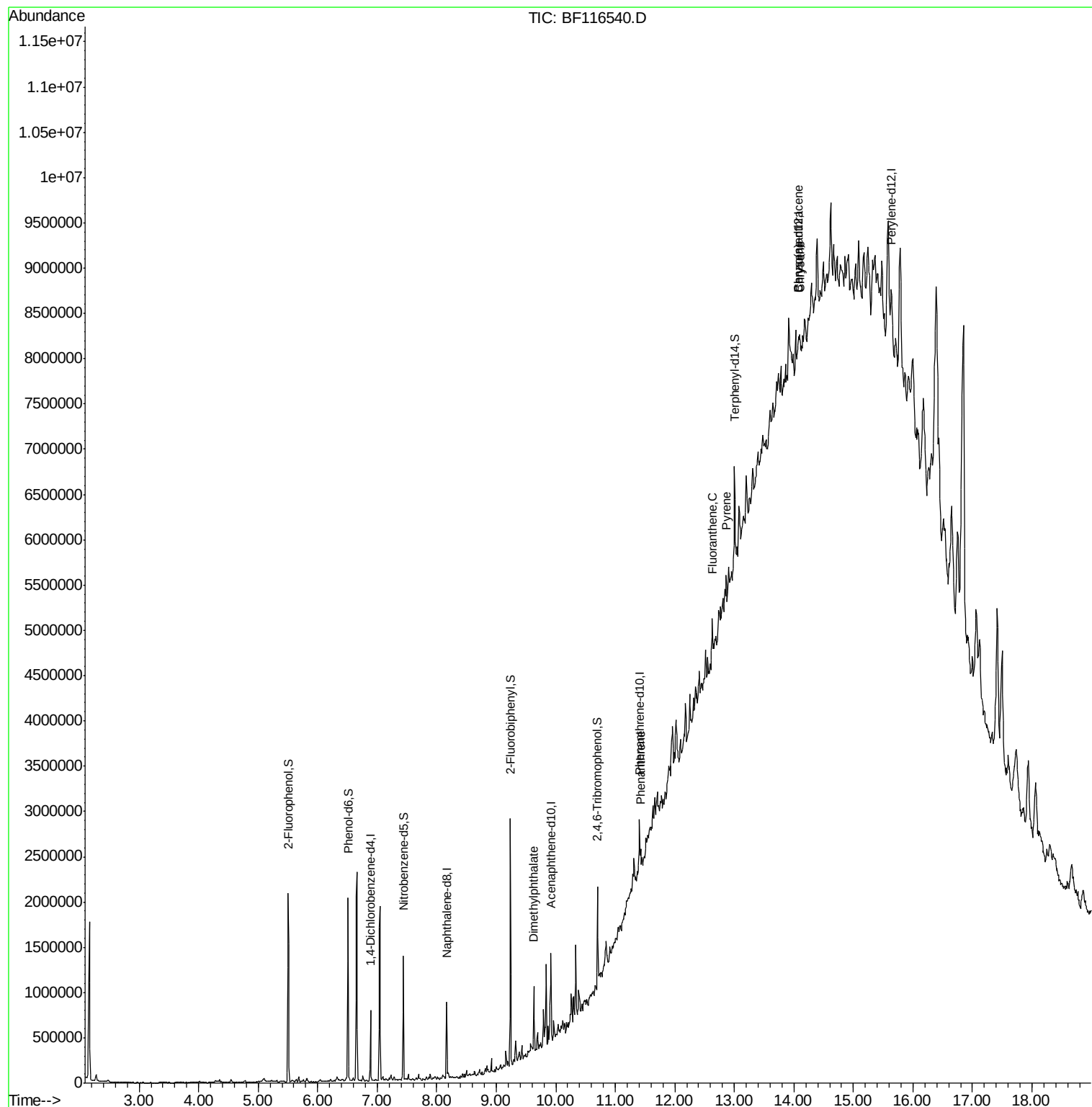
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	104874	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	368781	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	154159	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	215328	20.00	ng	0.00
76) Chrysene-d12	14.08	240	119660	20.00	ng	0.05
87) Perylene-d12	15.63	264	101686	20.00	ng	0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	576436	80.31	ng	0.00
7) Phenol-d6	6.51	99	734149	83.42	ng	0.00
23) Nitrobenzene-d5	7.44	82	428508	63.57	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	116801	88.24	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	707396	73.90	ng	0.00
79) Terphenyl-d14	13.00	244	474043	74.00	ng	0.02
Target Compounds						
50) Dimethylphthalate	9.63	163	38018	3.535	ng	# 86
71) Phenanthrene	11.43	178	51604	4.399	ng	# 69
75) Fluoranthene	12.63	202	151671	12.506	ng	# 84
78) Pyrene	12.86	202	160805	16.804	ng	# 89
81) Benzo(a)anthracene	14.07	228	53509	6.904	ng	# 57
83) Chrysene	14.10	228	45392	5.779	ng	# 59

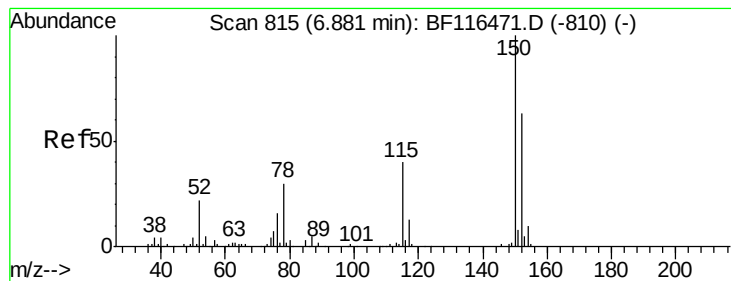
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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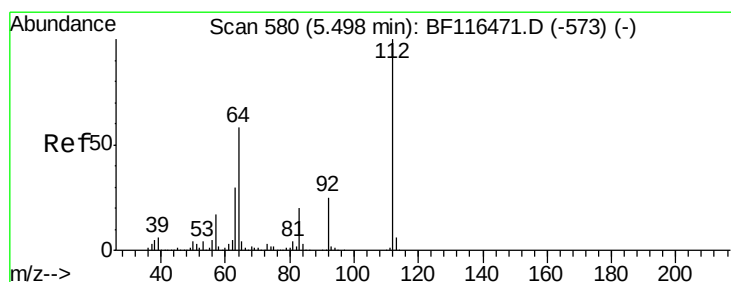
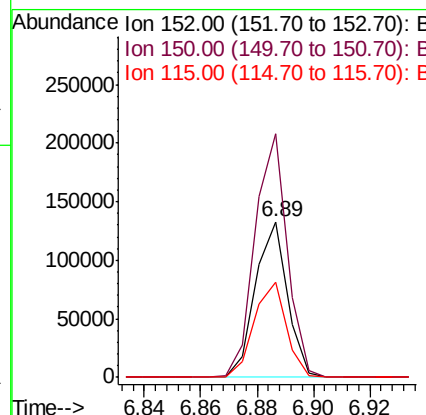
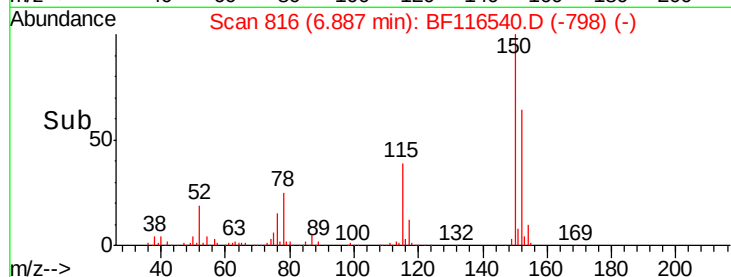
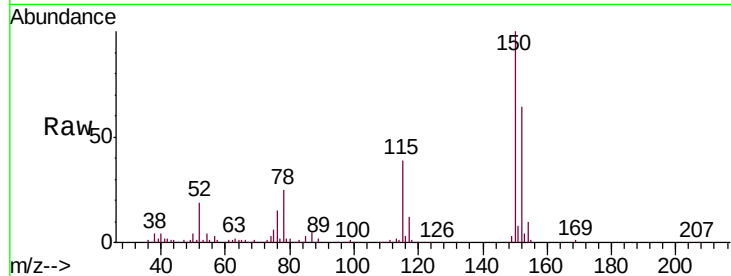


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Instrument :
BNA_F
ClientSampleId :
T8-D-(0-2)RE

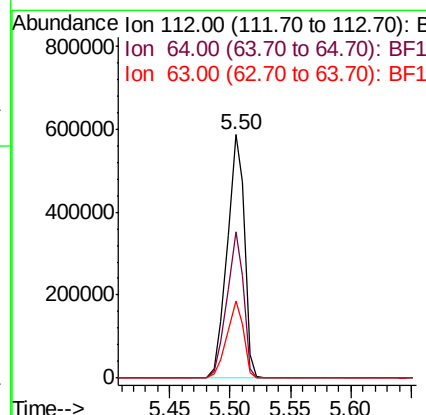
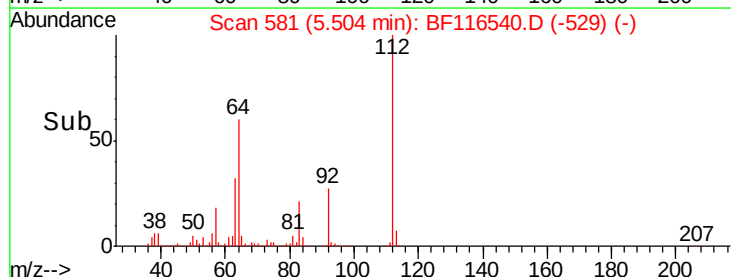
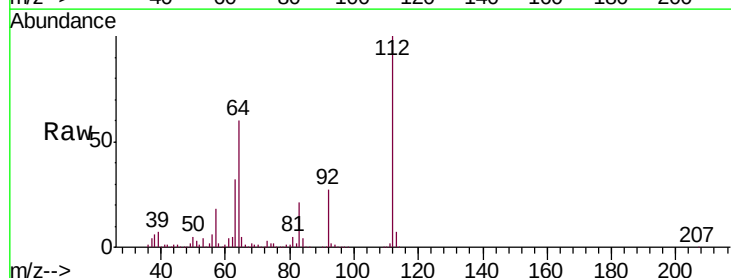
Tot Ion:152 Resp: 104874
Ion Ratio Lower Upper
152 100
150 156.3 126.7 190.1
115 60.7 50.9 76.3

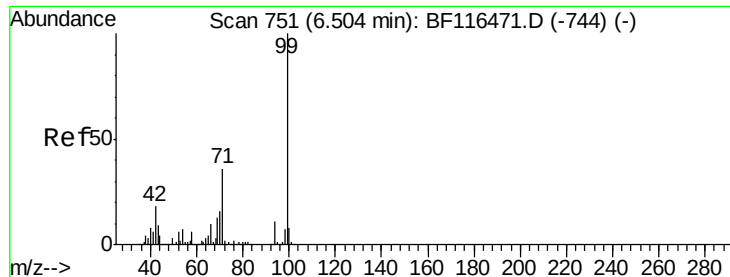


#5

2-Fluorophenol
Concen: 80.311 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion:112 Resp: 576436
Ion Ratio Lower Upper
112 100
64 60.1 46.3 69.5
63 31.8 24.2 36.4





#7

Phenol-d6

Concen: 83.419 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)RE

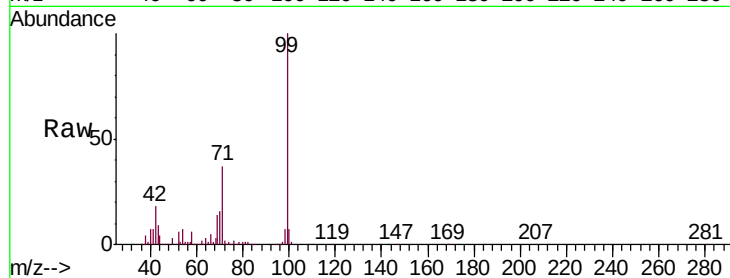
Tot Ion: 99 Resp: 734149

Ion Ratio Lower Upper

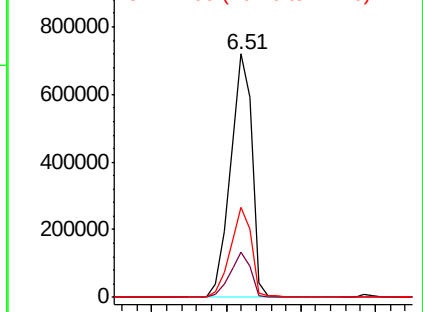
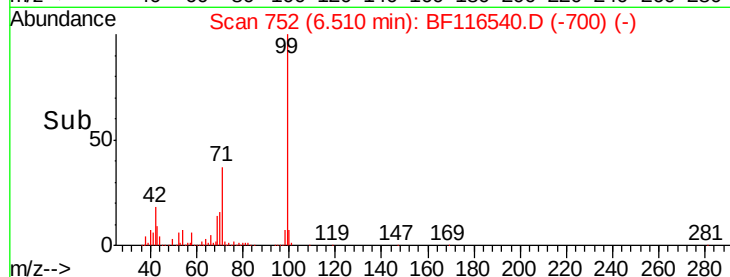
99 100

42 18.4 14.6 21.8

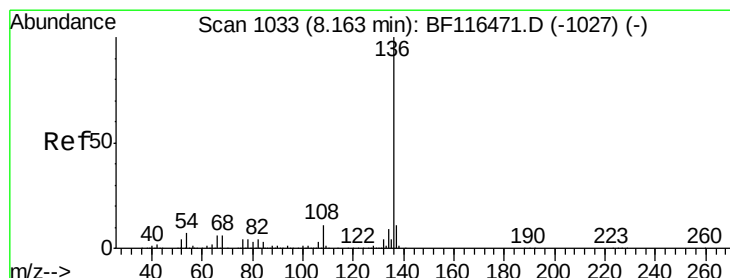
71 36.8 28.5 42.7



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



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Tgt Ion: 136 Resp: 368781

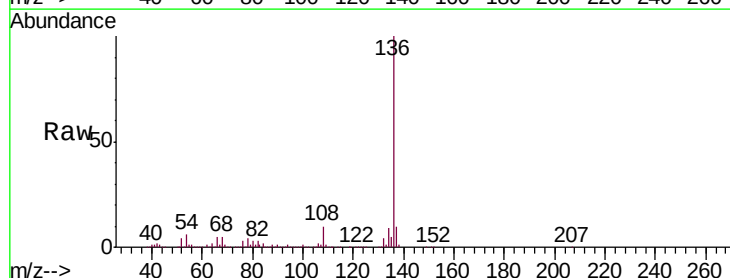
Ion Ratio Lower Upper

136 100

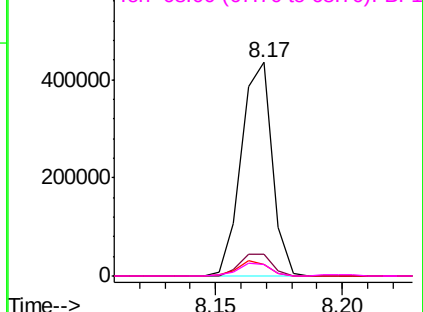
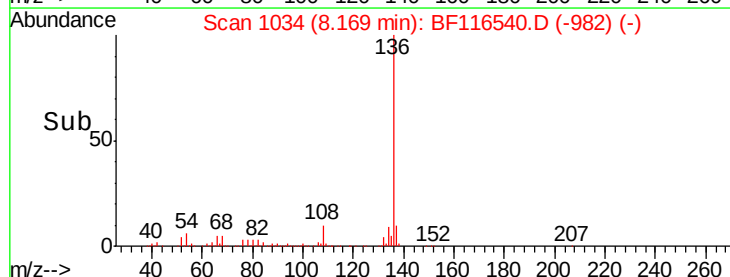
137 10.2 9.0 13.4

54 5.7 5.8 8.6#

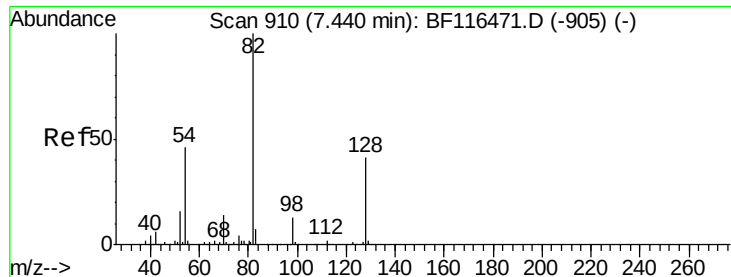
68 5.1 5.1 7.7



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



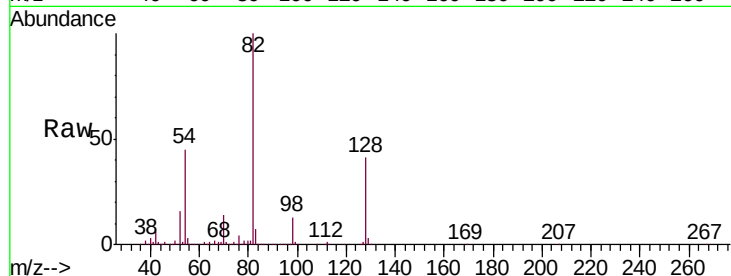
Time-->



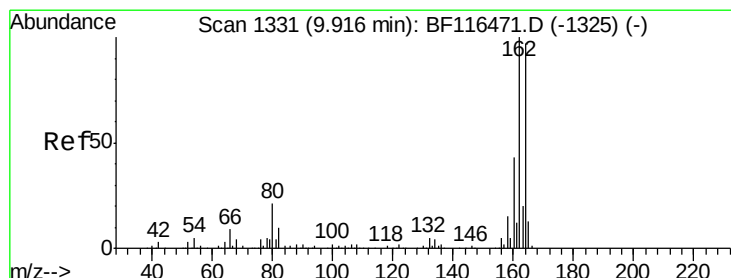
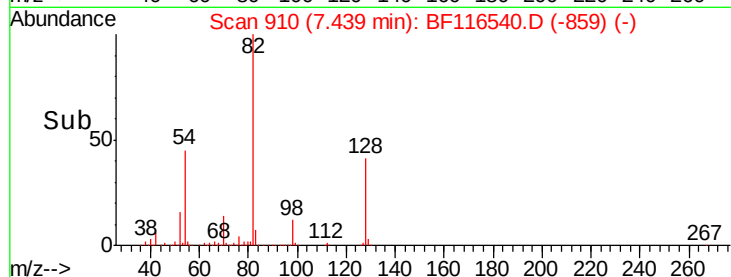
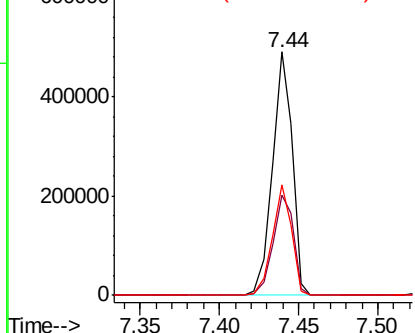
#23
 Nitrobenzene-d5
 Concen: 63.571 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF116540.D
 Acq: 25 Aug 2019 18:57

Instrument :
 BNA_F
 ClientSampleId :
 T8-D-(0-2)RE

Tot Ion	82	Resp	428508
Ion Ratio	Lower	Upper	
82	100		
128	41.1	32.2	48.4
54	45.3	36.5	54.7

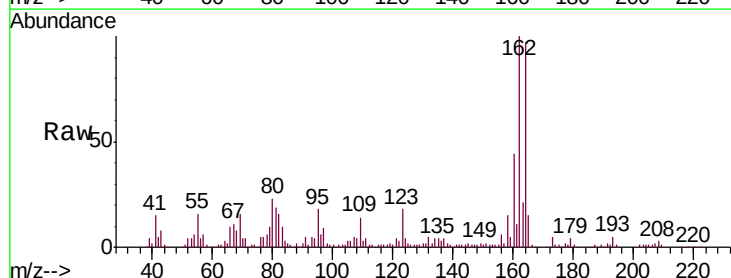


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

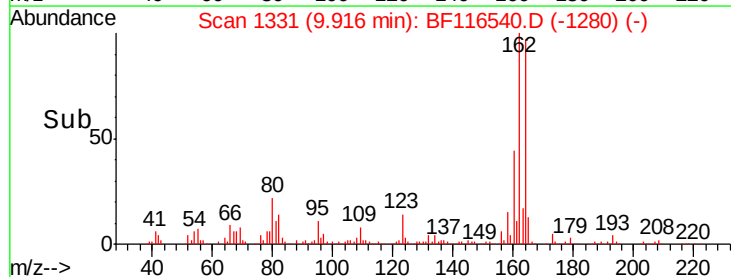
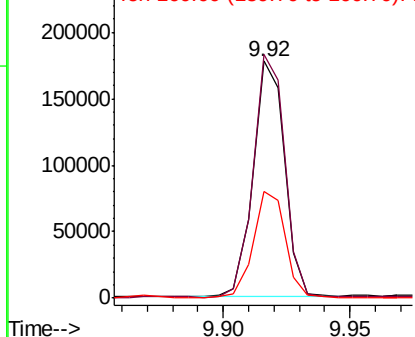


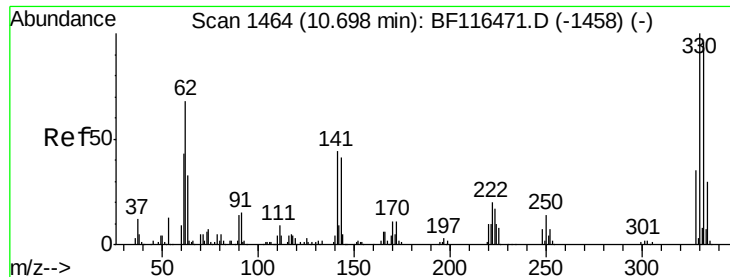
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF116540.D
 Acq: 25 Aug 2019 18:57

Tgt Ion	164	Resp	154159
Ion Ratio	Lower	Upper	
164	100		
162	102.8	82.6	123.8
160	45.1	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

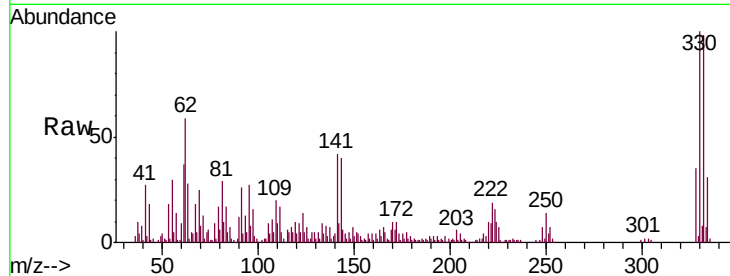




#42
 2,4,6-Tribromophenol
 Concen: 88.237 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: BF116540.D
 Acq: 25 Aug 2019 18:57

Instrument :
 BNA_F
 ClientSampleId :
 T8-D-(0-2)RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.2	115.8
141	42.3	33.3	49.9

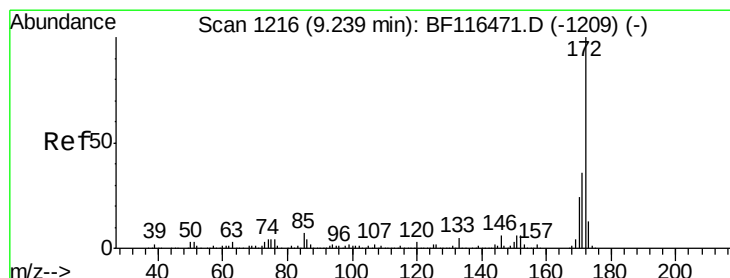
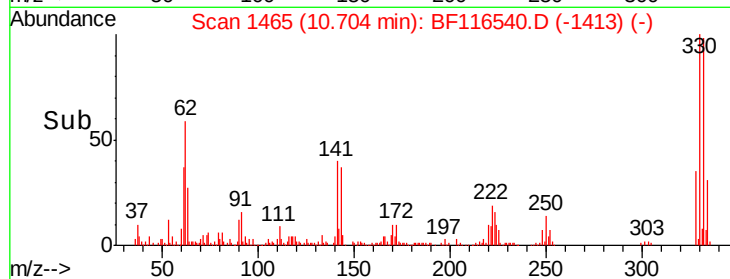
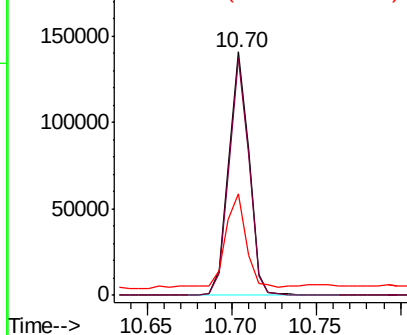


Abundance

Ion 329.80 (329.50 to 330.50): E

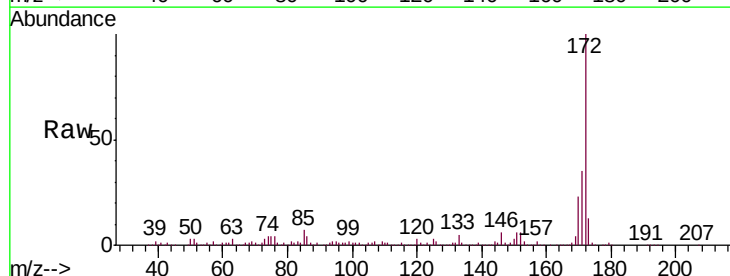
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 73.897 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116540.D
 Acq: 25 Aug 2019 18:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.9	43.3
170	23.4	19.4	29.0

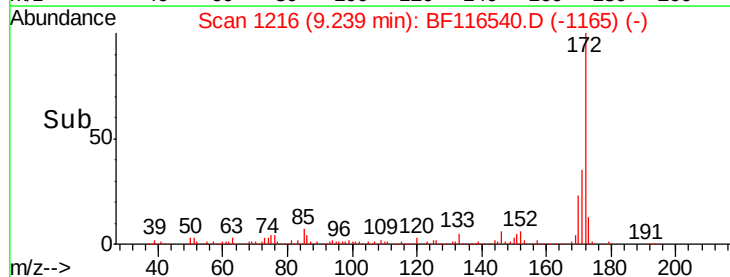
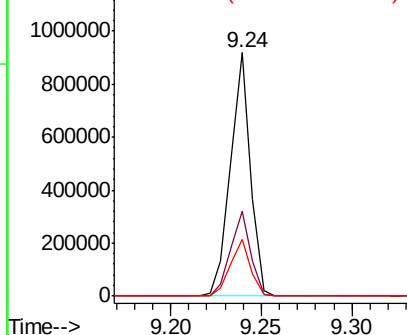


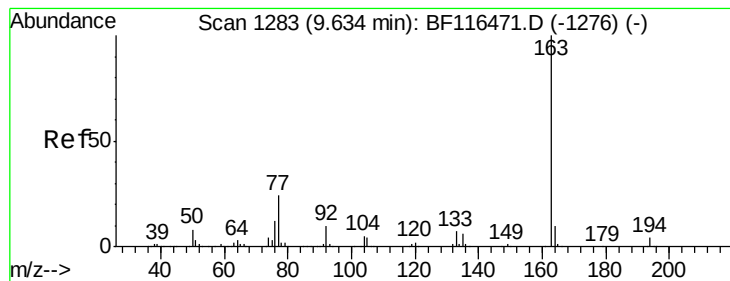
Abundance

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: 3.535 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)RE

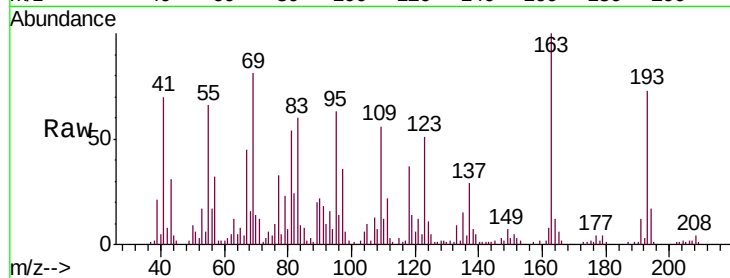
Tot Ion:163 Resp: 38018

Ion Ratio Lower Upper

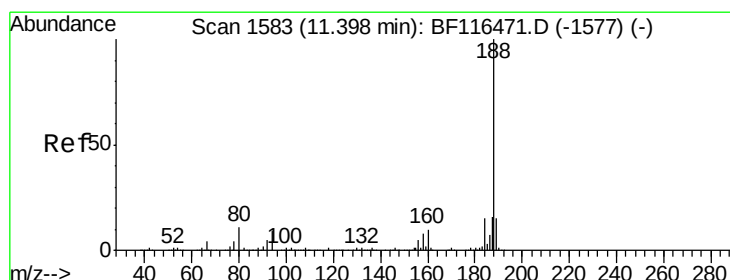
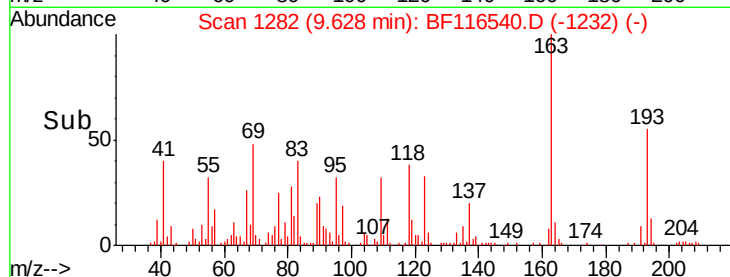
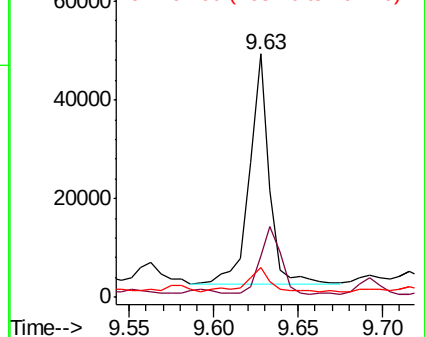
163 100

194 16.7 2.9 4.3#

164 12.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

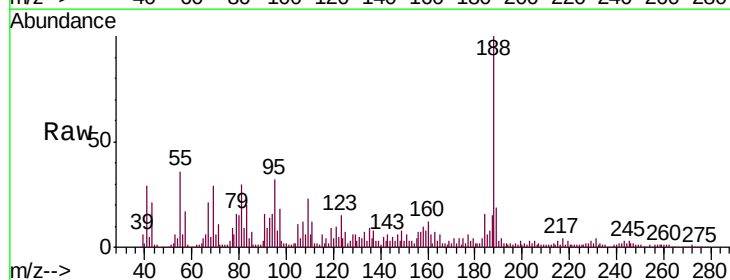
Tgt Ion:188 Resp: 215328

Ion Ratio Lower Upper

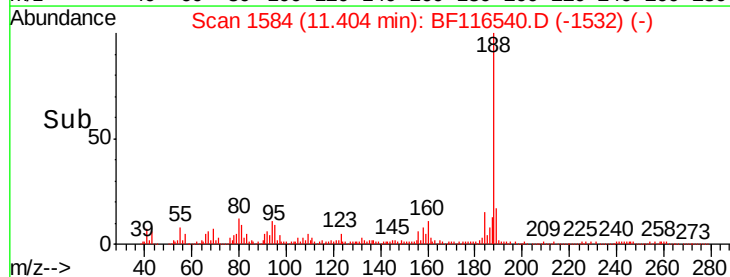
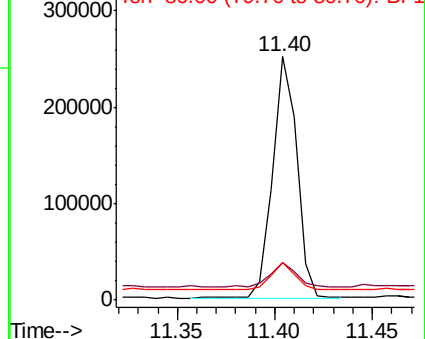
188 100

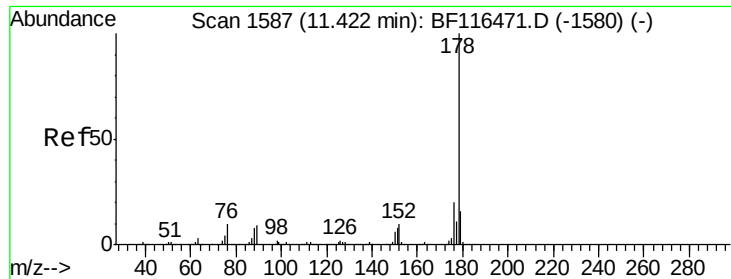
94 15.6 7.4 11.2#

80 15.5 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

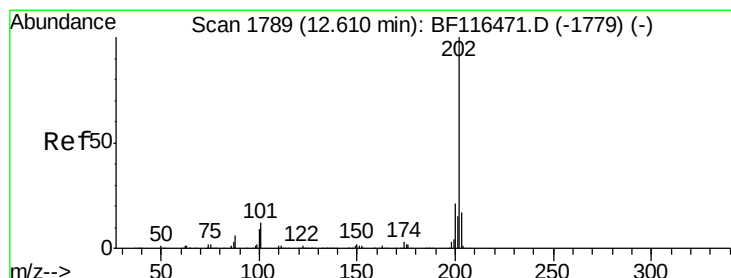
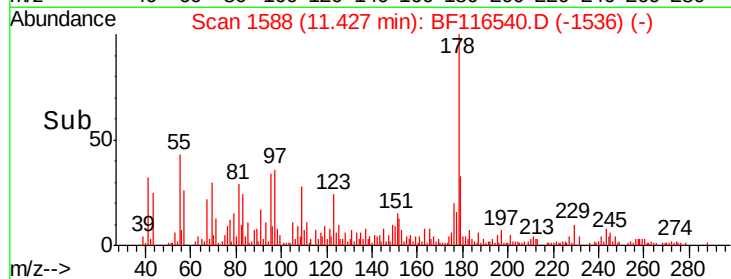
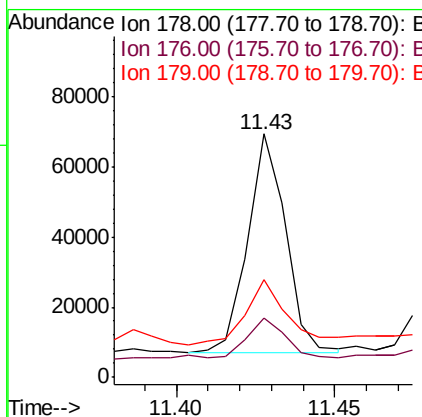
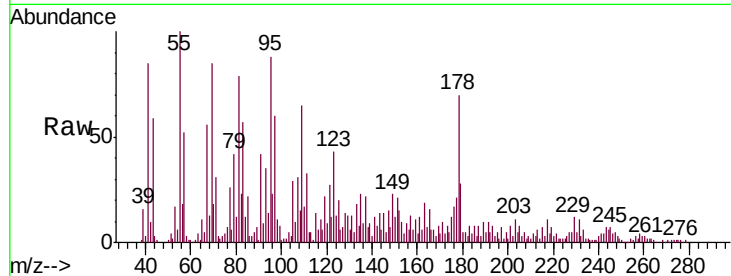




#71
Phenanthrene
Concen: 4.399 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

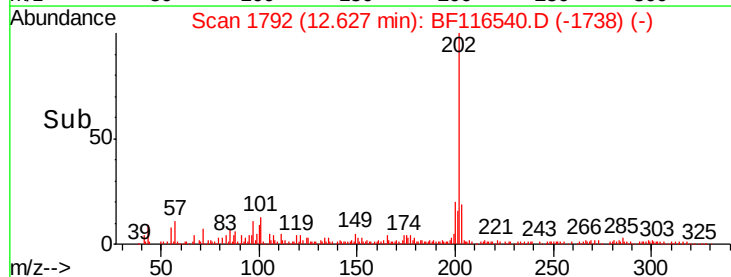
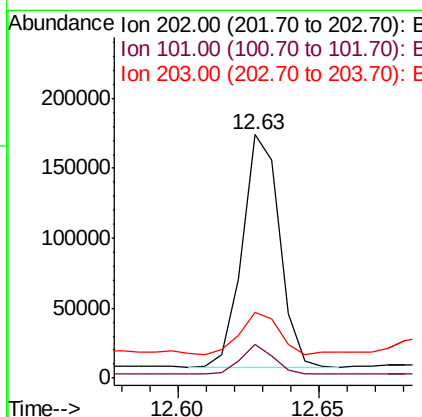
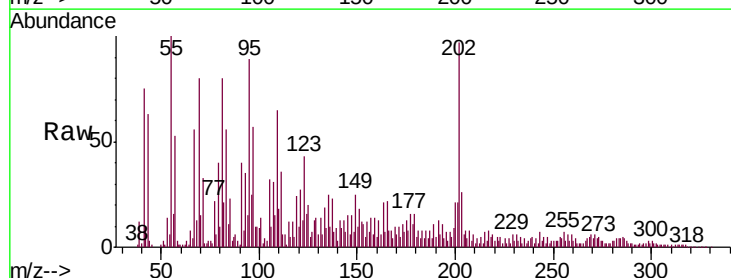
Instrument :
BNA_F
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T8-D-(0-2)RE

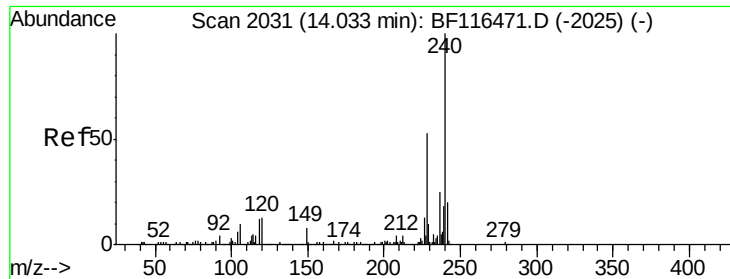
Tot Ion:178 Resp: 51604
Ion Ratio Lower Upper
178 100
176 24.4 15.8 23.6#
179 40.3 12.8 19.2#



#75
Fluoranthene
Concen: 12.506 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.02 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion:202 Resp: 151671
Ion Ratio Lower Upper
202 100
101 14.0 0.0 31.5
203 27.0 0.0 37.5

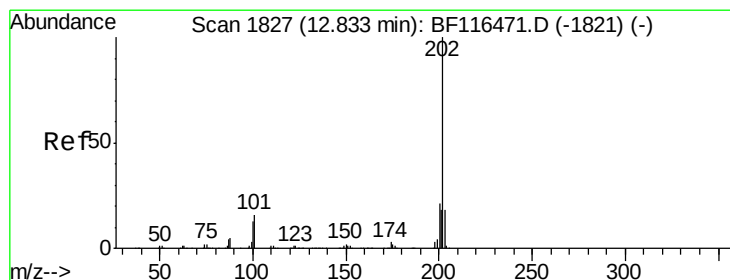
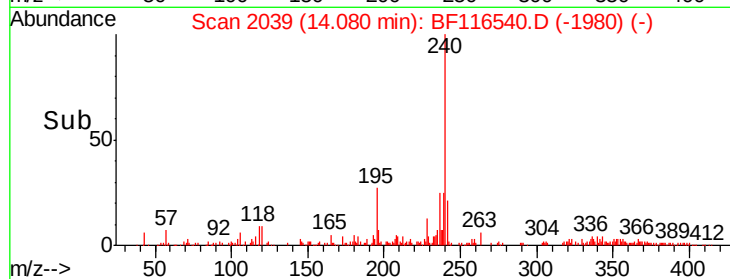
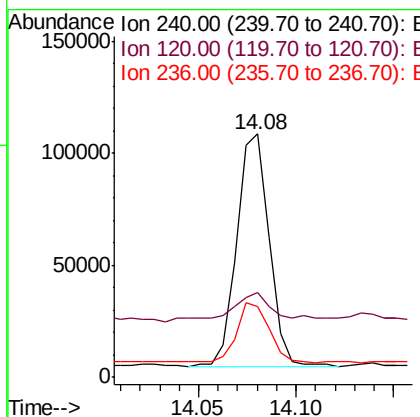
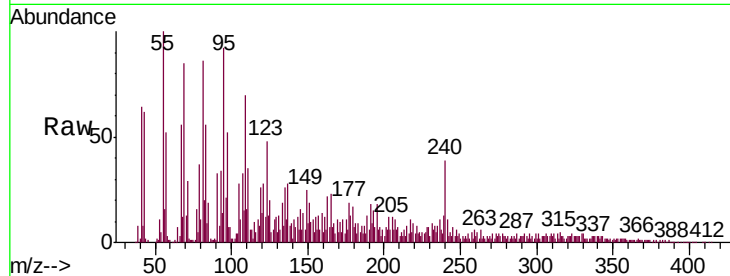




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.05 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

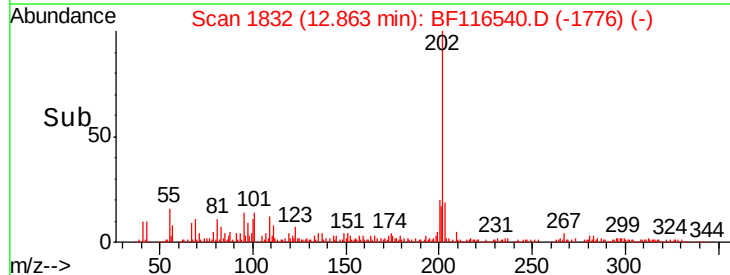
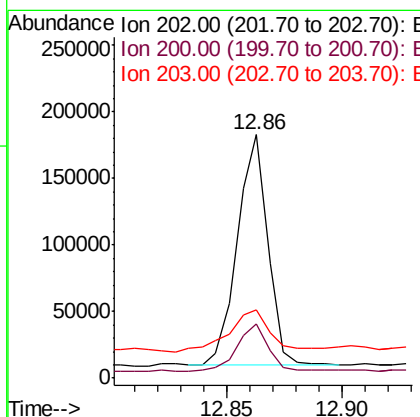
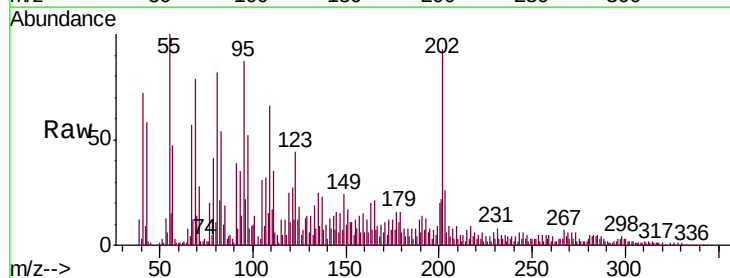
Instrument :
BNA_F
ClientSampleId :
T8-D-(0-2)RE

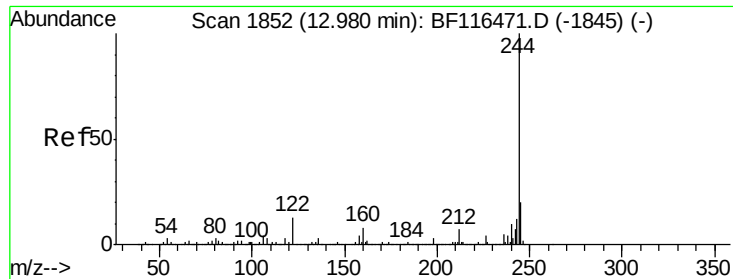
Tot Ion	Ratio	Lower	Upper
240	100		
120	35.0	10.5	15.7#
236	29.3	20.2	30.2



#78
Pyrene
Concen: 16.804 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.03 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.4
203	27.9	14.2	21.4#





#79

Terphenyl-d14

Concen: 73.999 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.02 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)RE

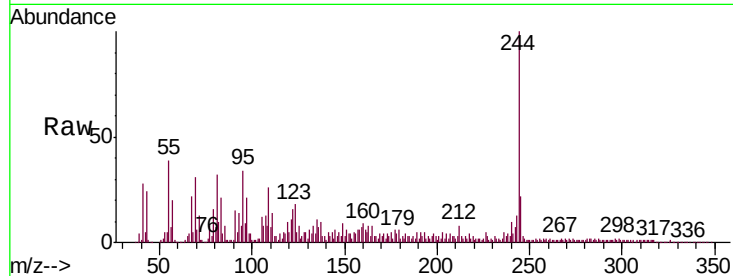
Tot Ion:244 Resp: 474043

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

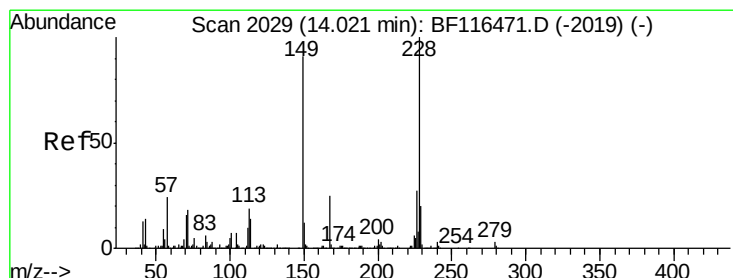
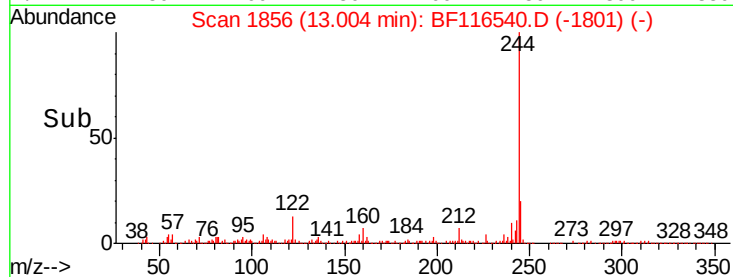
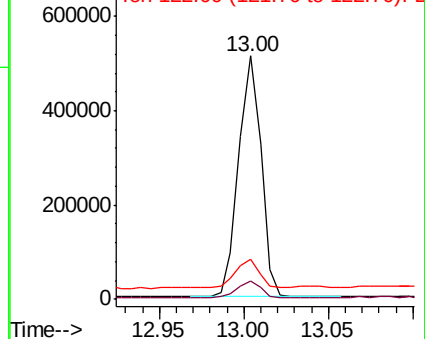
122 16.4 10.2 15.4#



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: 6.904 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.05 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

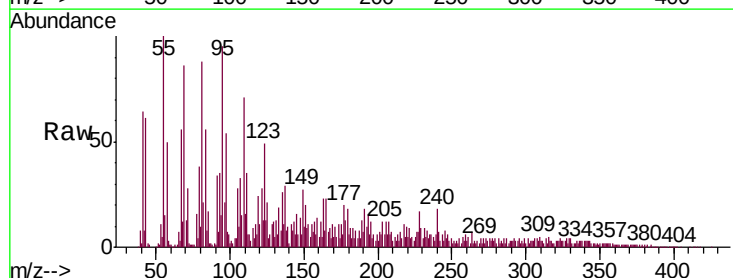
Tgt Ion:228 Resp: 53509

Ion Ratio Lower Upper

228 100

226 37.7 21.8 32.6#

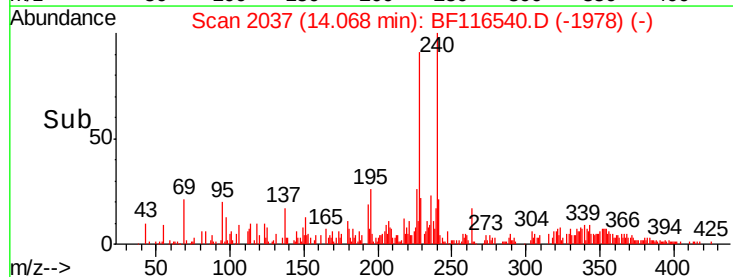
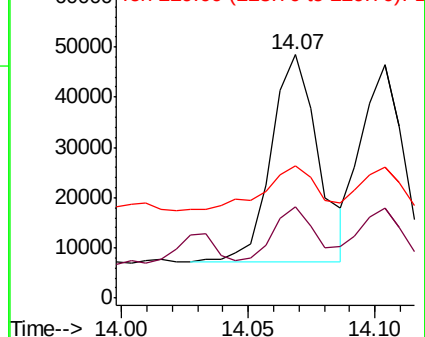
229 54.2 15.9 23.9#

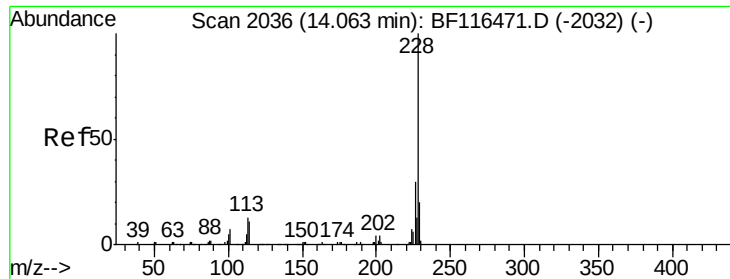


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.779 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.04 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)RE

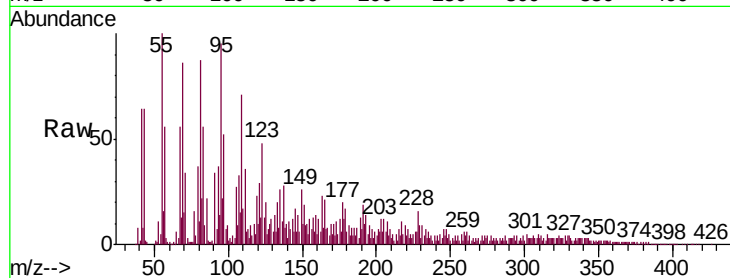
Tot Ion:228 Resp: 45392

Ion Ratio Lower Upper

228 100

226 38.5 24.2 36.2#

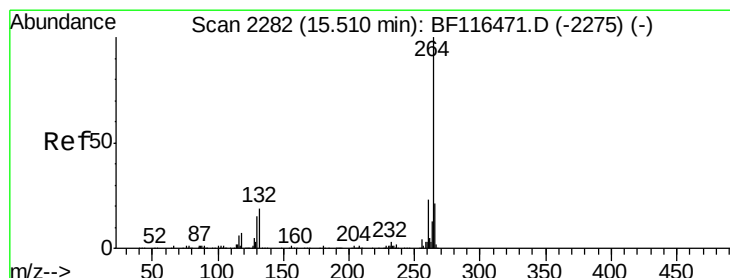
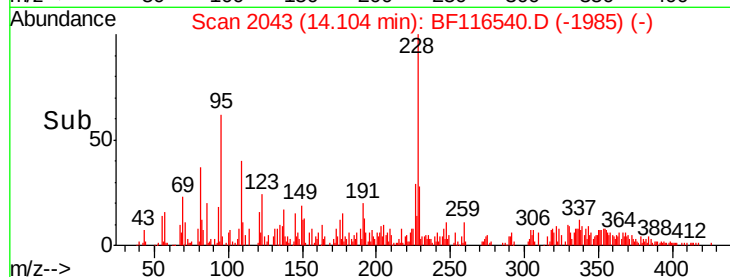
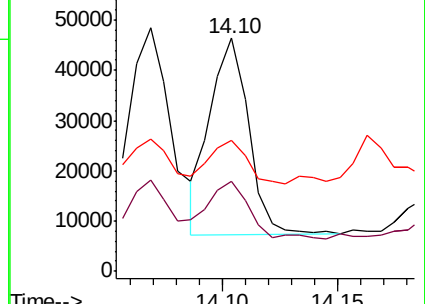
229 56.4 15.8 23.6#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2303

Delta R.T. 0.12 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

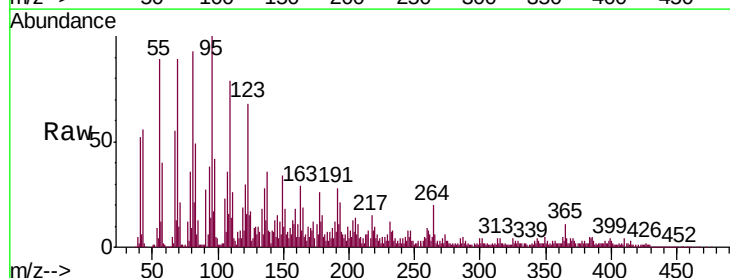
Tgt Ion:264 Resp: 101686

Ion Ratio Lower Upper

264 100

260 42.8 18.8 28.2#

265 32.4 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

