

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116167.D
 Acq On : 11 Aug 2019 1:21
 Operator : HP/JU
 Sample : K4284-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 01:00:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

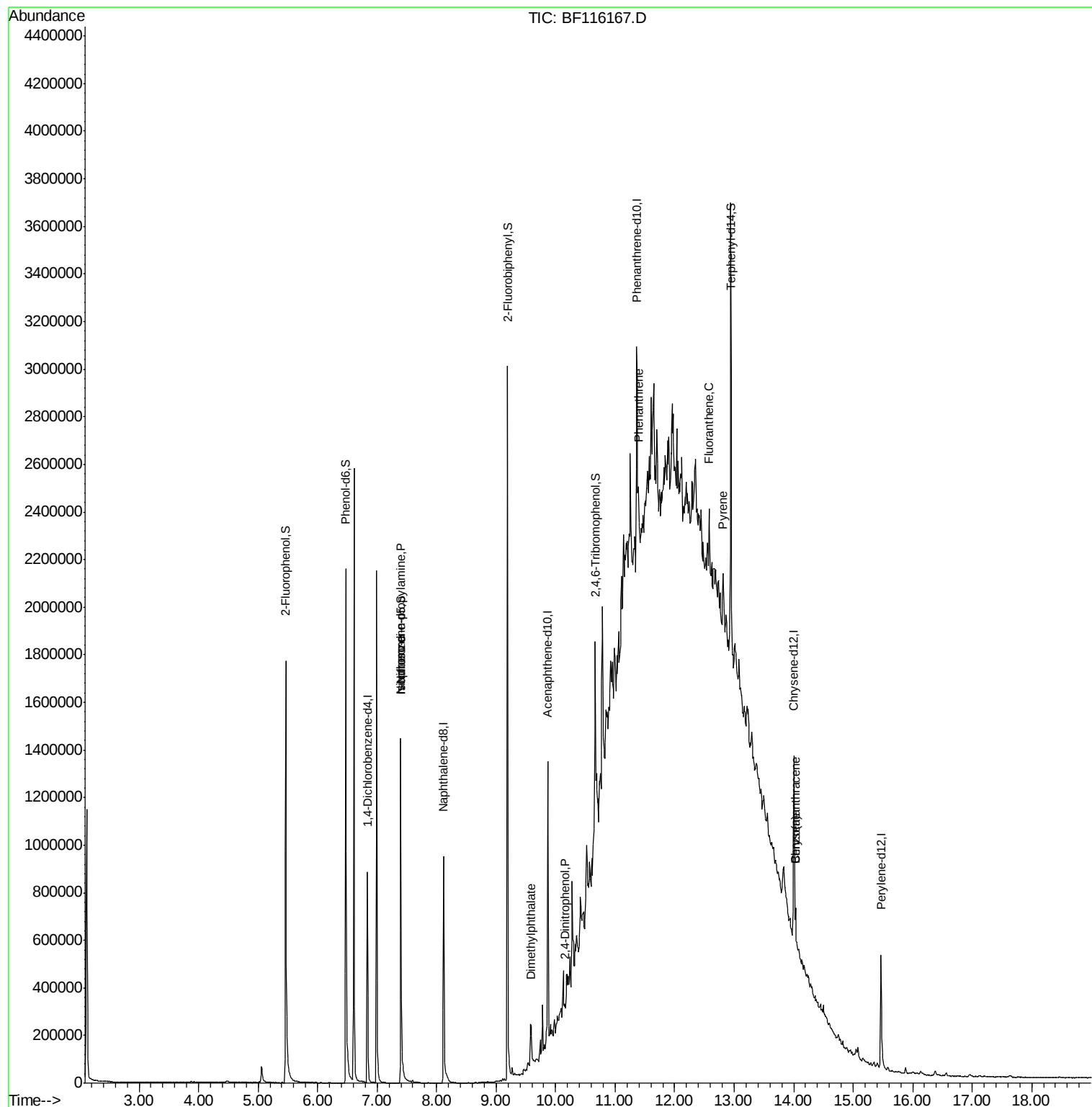
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	142322	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	544622	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	264694	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	328559	20.00	ng	0.00
76) Chrysene-d12	14.00	240	269630	20.00	ng	0.00
87) Perylene-d12	15.47	264	263943	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	610396	71.80	ng	0.00
7) Phenol-d6	6.47	99	863012	80.46	ng	-0.01
23) Nitrobenzene-d5	7.40	82	562519	59.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	121640	47.40	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1008105	71.34	ng	-0.01
79) Terphenyl-d14	12.94	244	734799	57.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	71917	10.820	ng	# 80
25) Isophorone	7.40	82	562516	31.179	ng	# 65
50) Dimethylphthalate	9.59	163	60535	3.359	ng	# 99
54) 2,4-Dinitrophenol	10.16	184	1482	8.484	ng	# 46
71) Phenanthrene	11.39	178	78004	4.644	ng	# 89
75) Fluoranthene	12.58	202	83486	4.748	ng	# 89
78) Pyrene	12.81	202	69337	3.411	ng	# 93
81) Benzo(a)anthracene	14.03	228	55221	3.204	ng	# 96
83) Chrysene	14.03	228	55221	3.300	ng	# 99

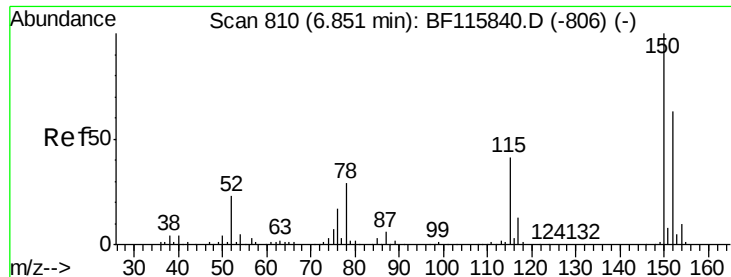
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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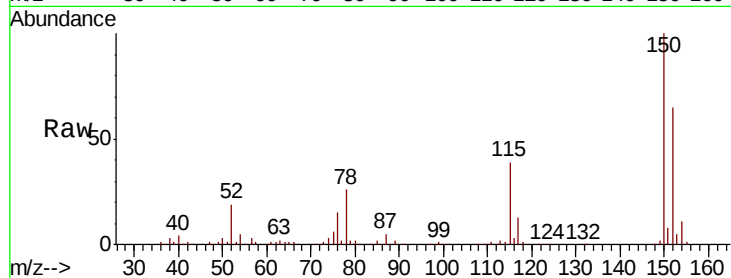


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116167.D
 Acq: 11 Aug 2019 1:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.2
115	58.9	49.9	74.9

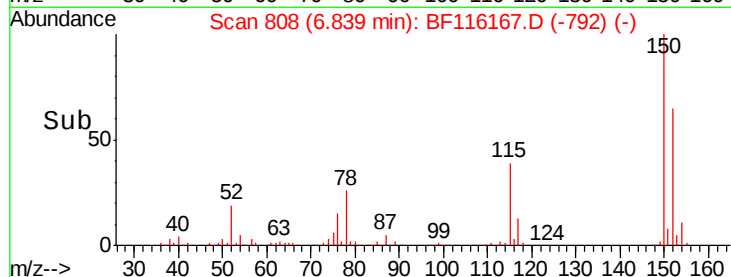
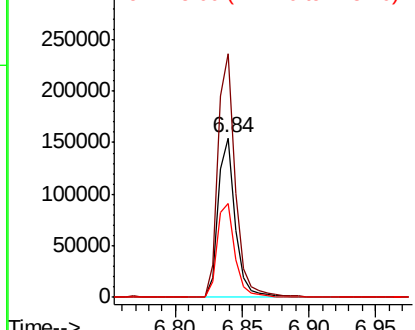


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

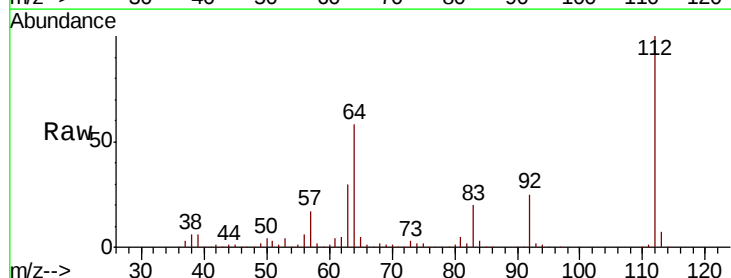
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 71.798 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116167.D
 Acq: 11 Aug 2019 1:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.4	68.2
63	30.2	23.7	35.5

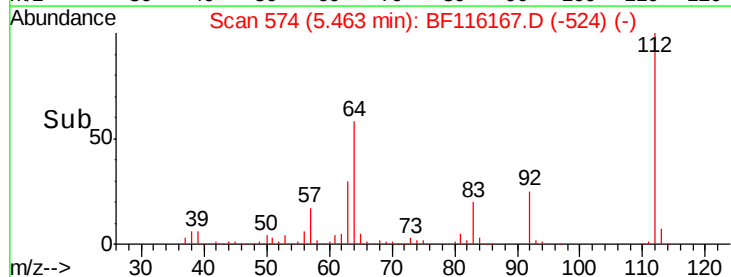
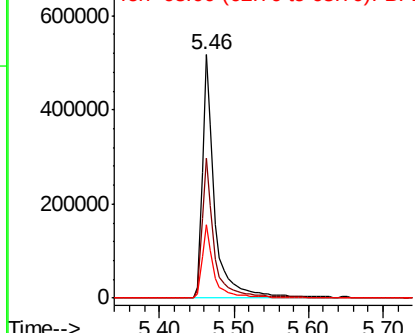


Abundance

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: 80.458 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampled :

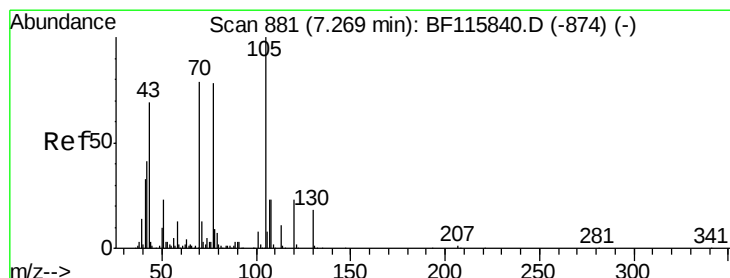
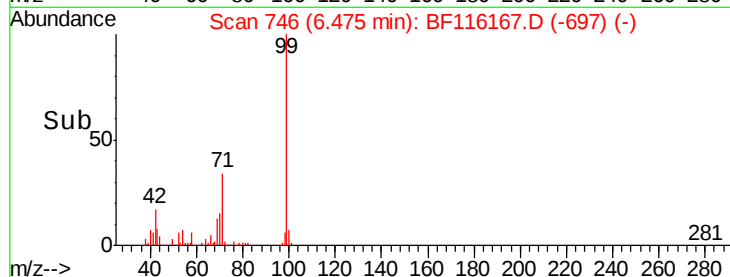
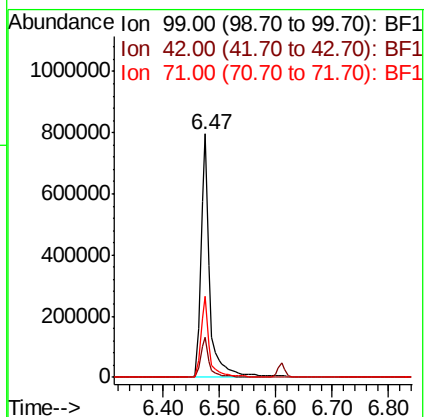
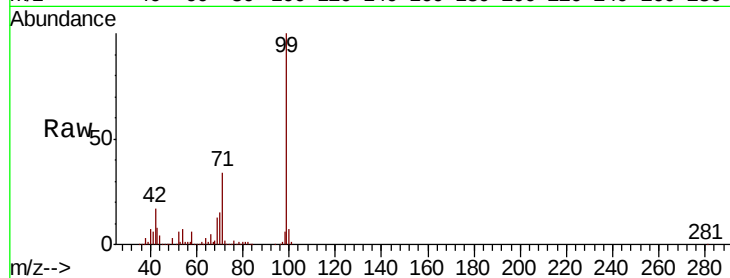
Tot Ion: 99 Resp: 863012

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.8

71 33.5 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 10.820 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Tgt Ion: 70 Resp: 71917

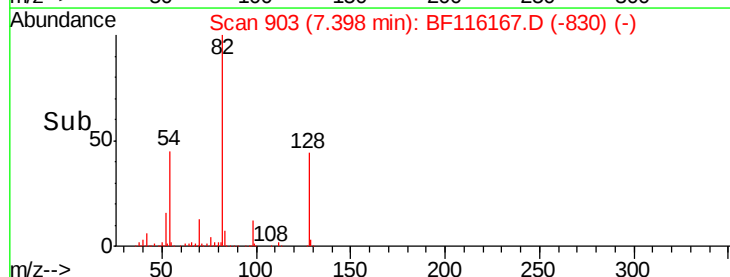
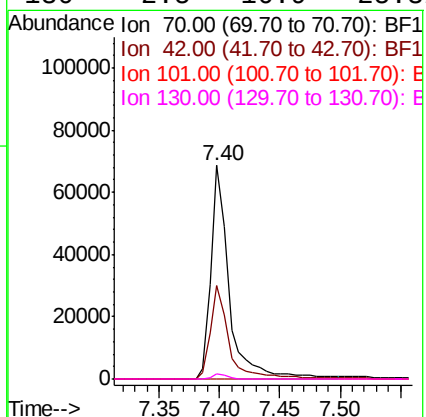
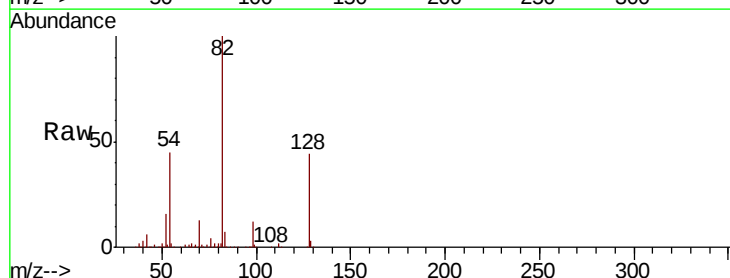
Ion Ratio Lower Upper

70 100

42 43.7 40.9 61.3

101 0.0 7.9 11.9#

130 2.5 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 544622

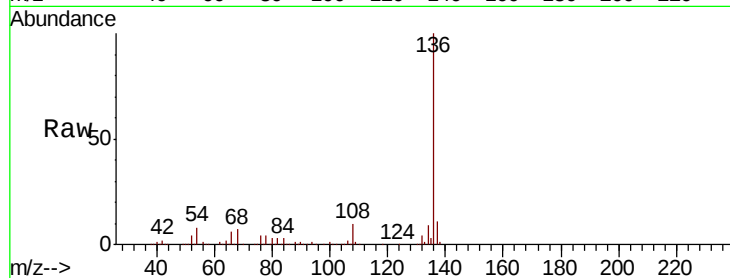
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.6 5.8 8.6

68 6.8 5.2 7.8

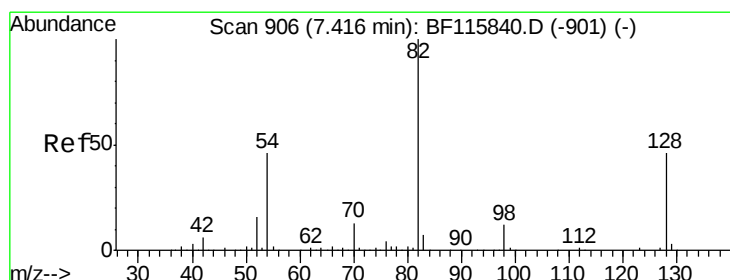
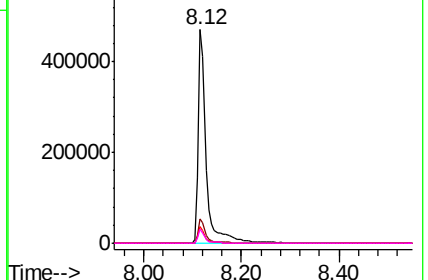
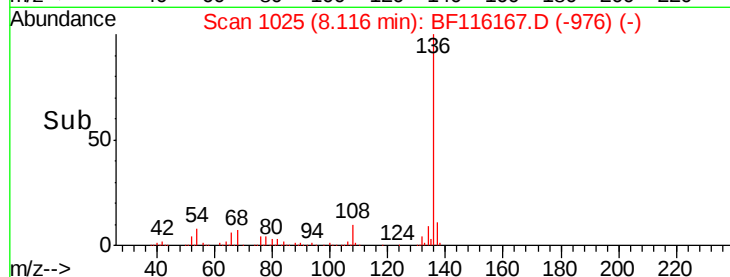


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.620 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

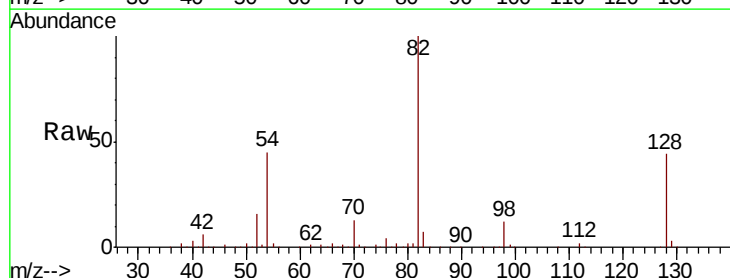
Tgt Ion: 82 Resp: 562519

Ion Ratio Lower Upper

82 100

128 43.9 36.5 54.7

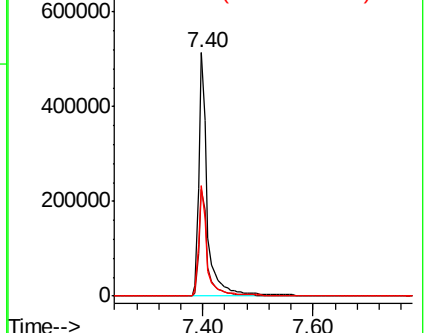
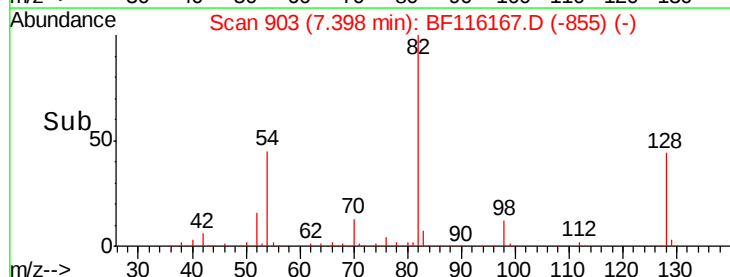
54 45.4 36.0 54.0

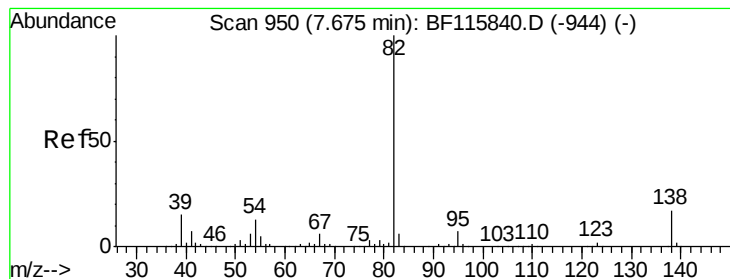


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.179 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

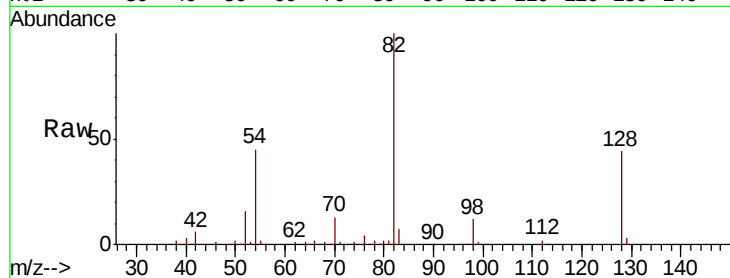
Tot Ion: 82 Resp: 562516

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

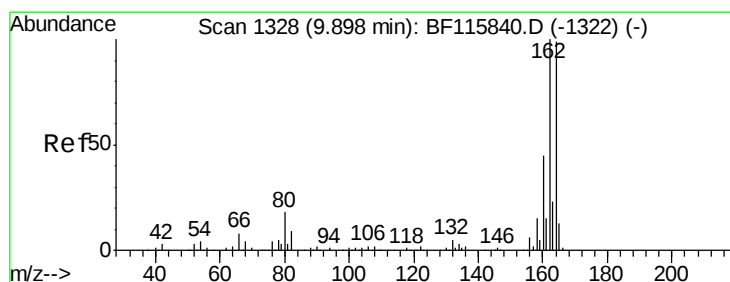
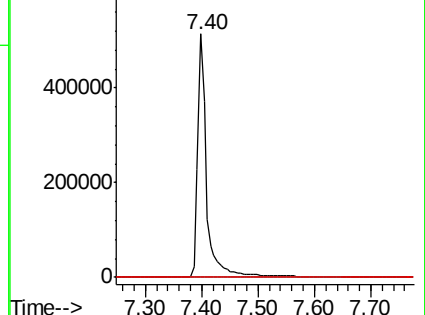
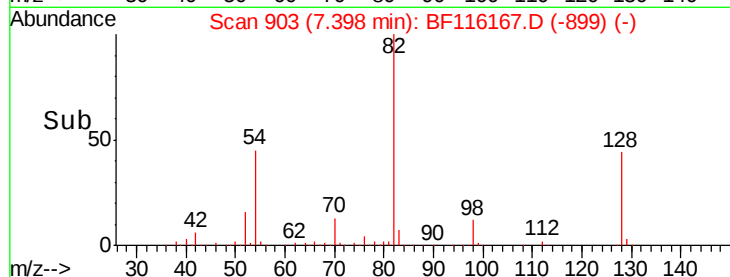
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

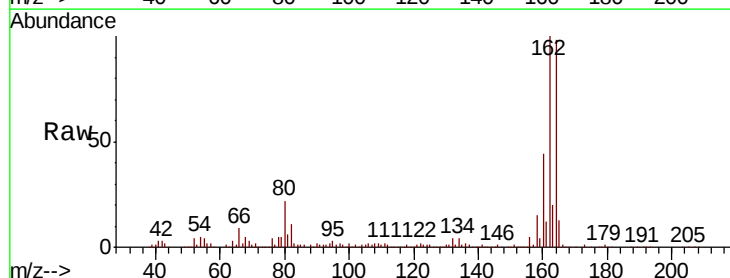
Tgt Ion: 164 Resp: 264694

Ion Ratio Lower Upper

164 100

162 101.6 82.6 124.0

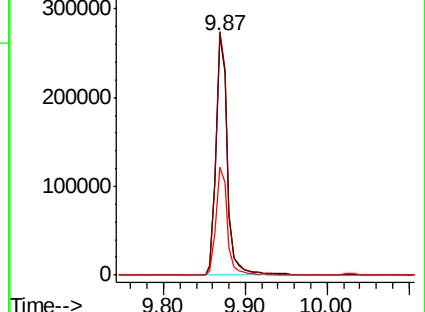
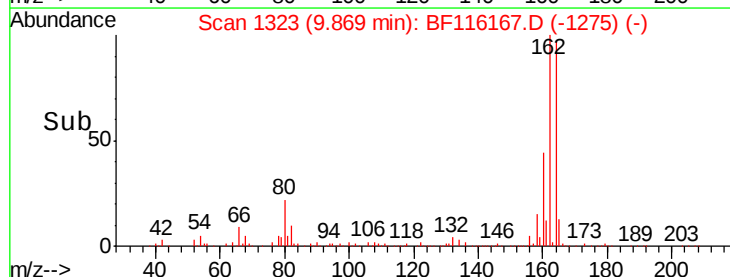
160 45.0 37.6 56.4



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: 47.399 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampled :

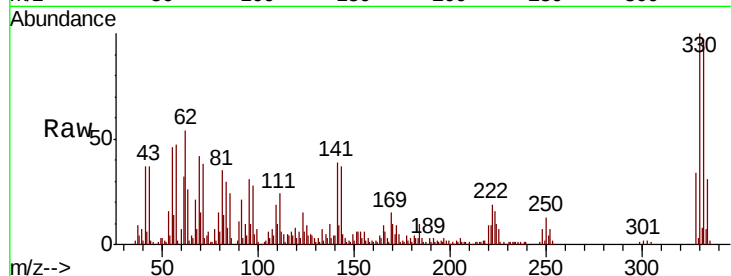
Tot Ion:330 Resp: 121640

Ion Ratio Lower Upper

330 100

332 96.7 76.8 115.2

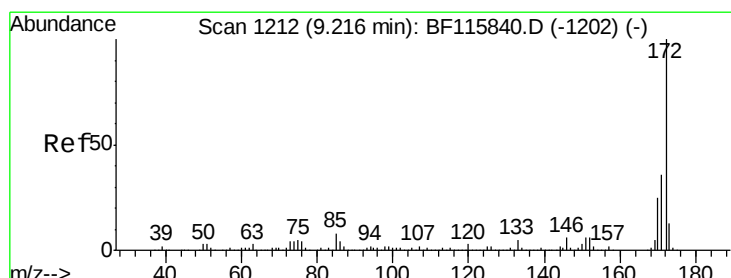
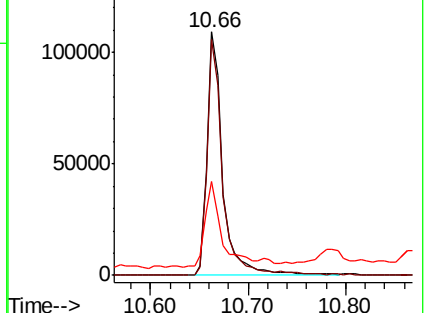
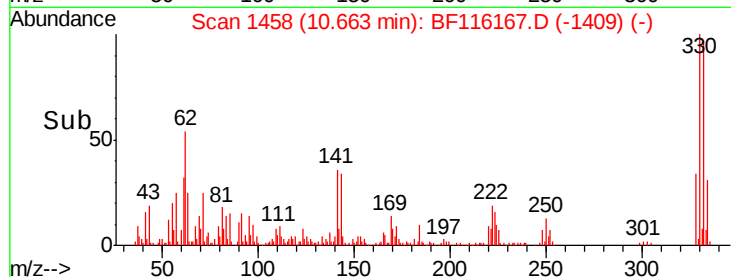
141 36.5 26.3 39.5



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: 71.337 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

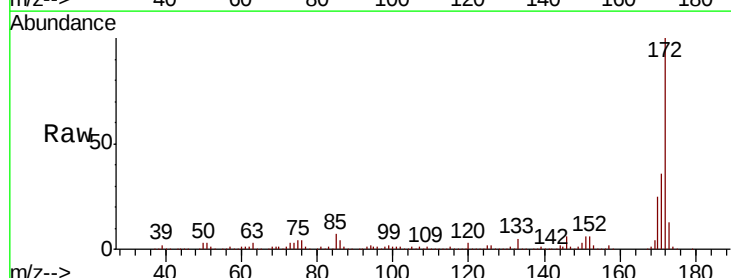
Tgt Ion:172 Resp: 1008105

Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

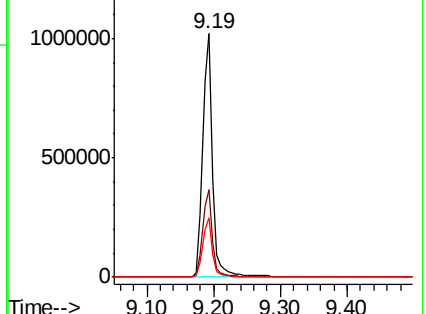
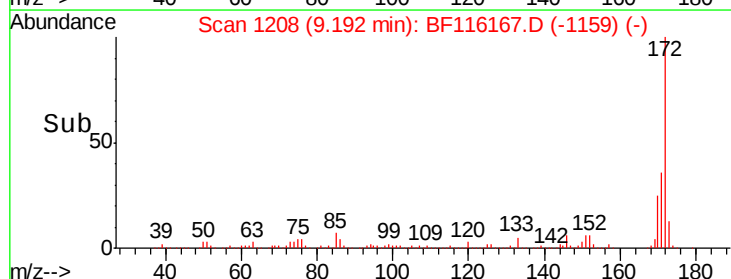
170 24.6 20.1 30.1

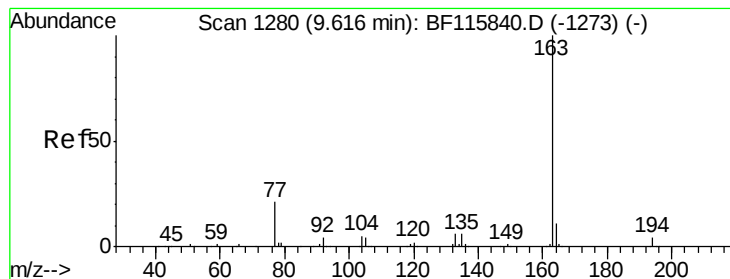


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.359 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116167.D

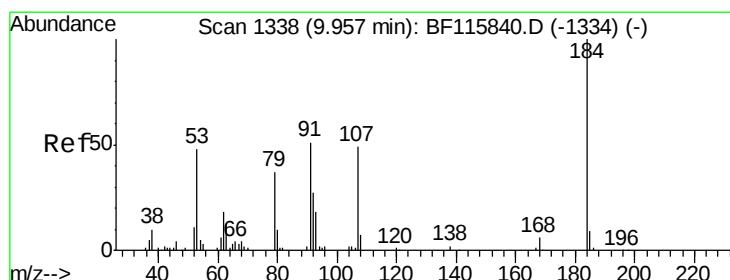
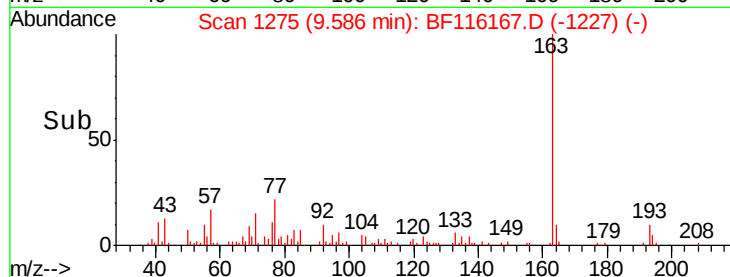
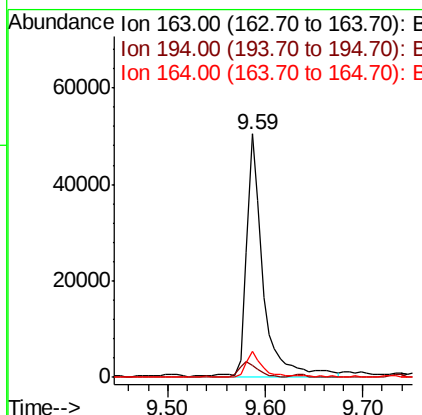
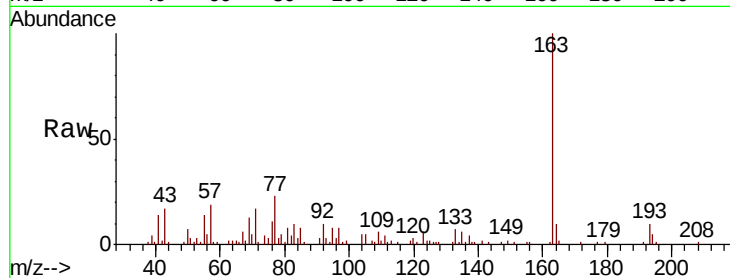
Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:163	Resp:	60535
Ion Ratio	Lower	Upper
163	100	
194	5.1	3.0 4.6#
164	10.4	8.4 12.6



#54

2,4-Dinitrophenol

Concen: 8.484 ng

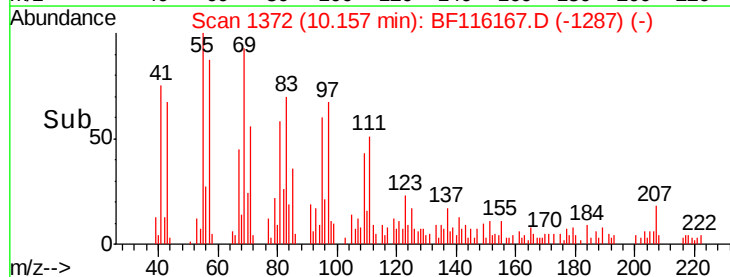
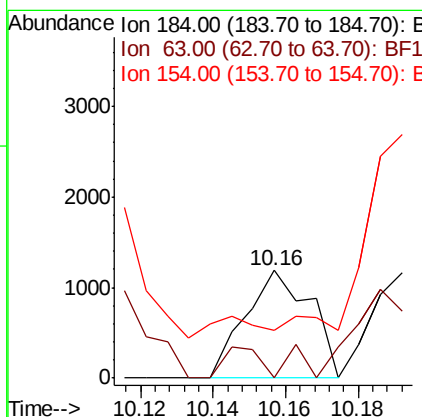
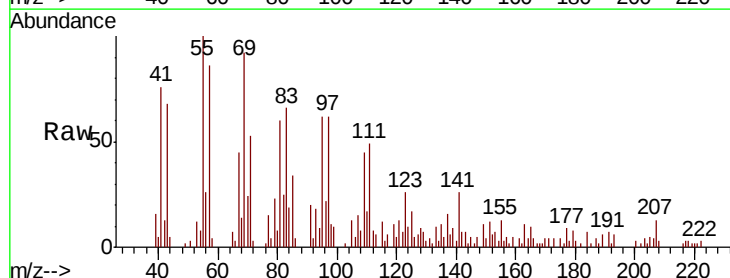
RT: 10.16 min Scan# 1372

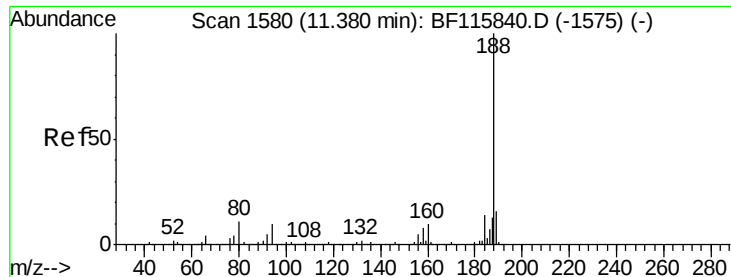
Delta R.T. 0.20 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Tgt Ion:184	Resp:	1482
Ion Ratio	Lower	Upper
184	100	
63	0.0	53.0 79.4#
154	44.8	50.1 75.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampled :

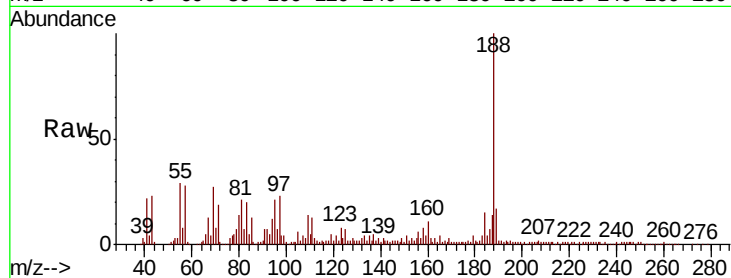
Tot Ion:188 Resp: 328559

Ion Ratio Lower Upper

188 100

94 12.2 8.1 12.1#

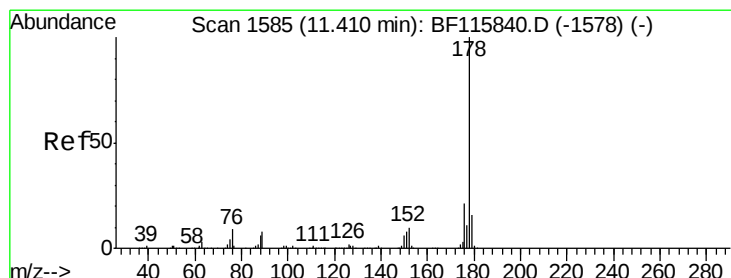
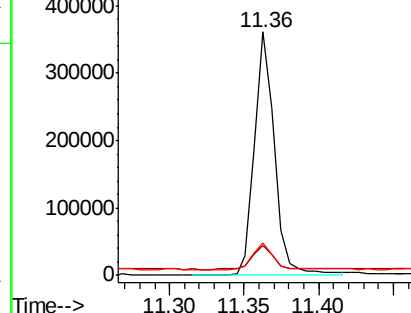
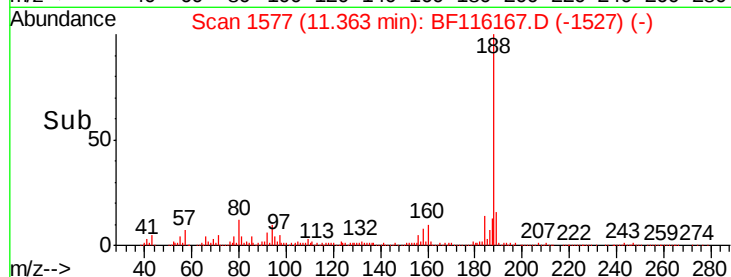
80 13.5 8.7 13.1#



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: 4.644 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

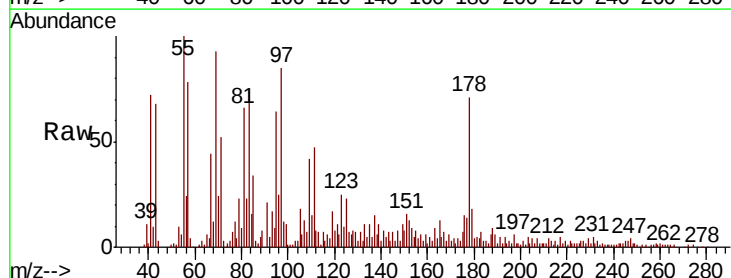
Tgt Ion:178 Resp: 78004

Ion Ratio Lower Upper

178 100

176 21.0 16.6 24.8

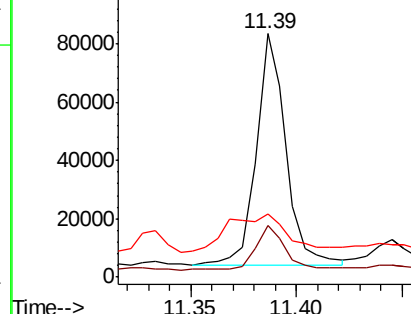
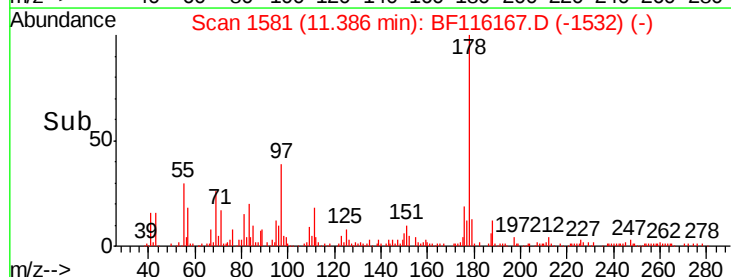
179 25.9 12.5 18.7#

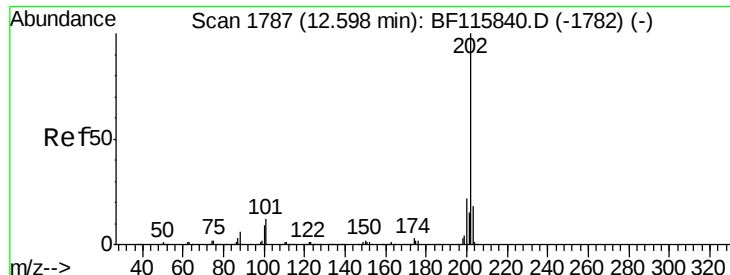


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.748 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

Instrument :

BNA_F

ClientSampleId :

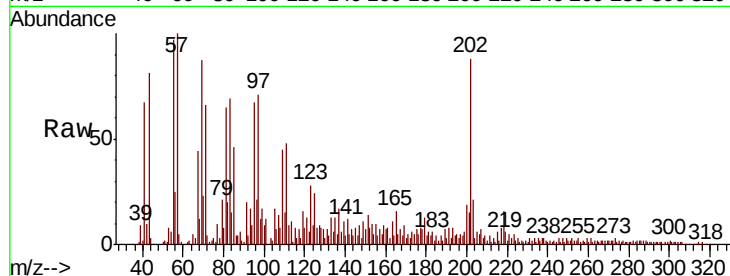
Tot Ion:202 Resp: 83486

Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.2

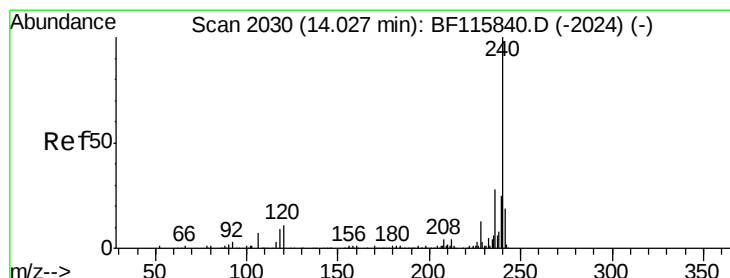
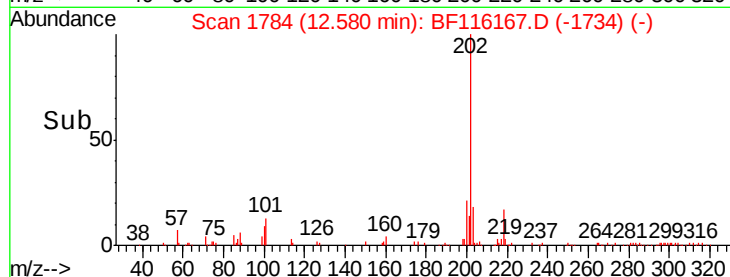
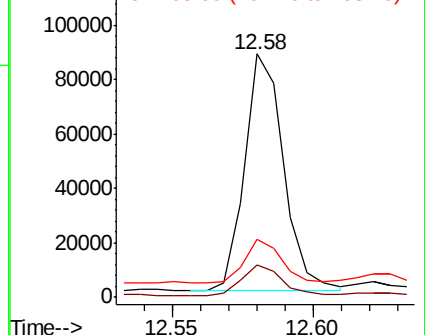
203 23.9 0.0 37.8



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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116167.D

Acq: 11 Aug 2019 1:21

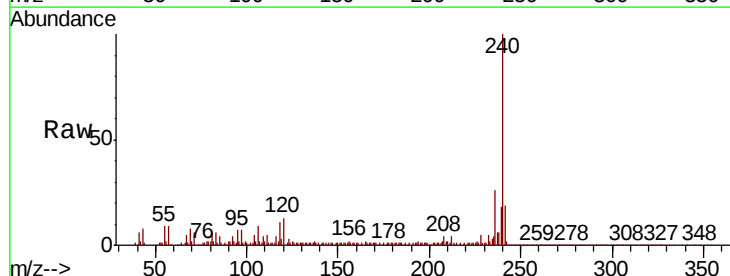
Tgt Ion:240 Resp: 269630

Ion Ratio Lower Upper

240 100

120 13.5 10.7 16.1

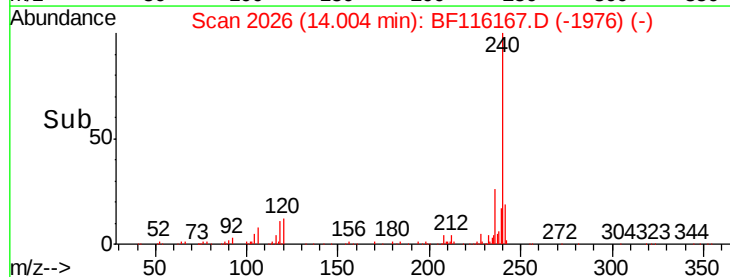
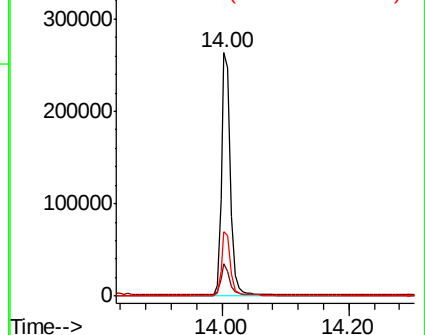
236 26.4 22.2 33.2

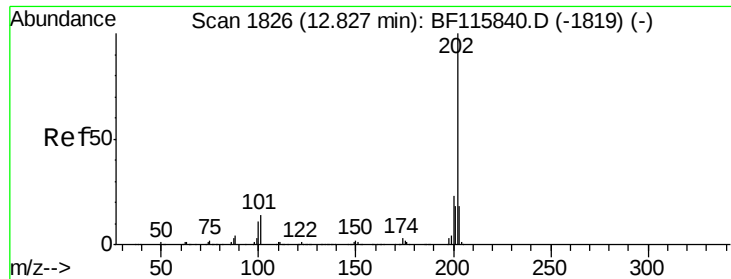


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

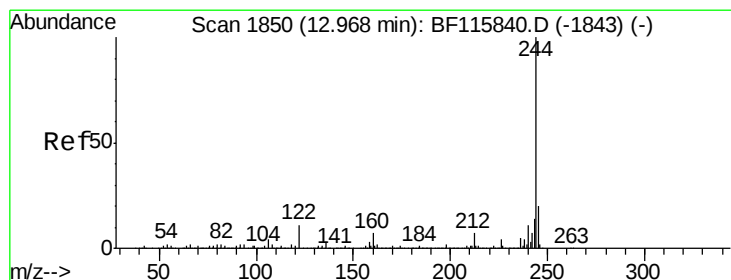
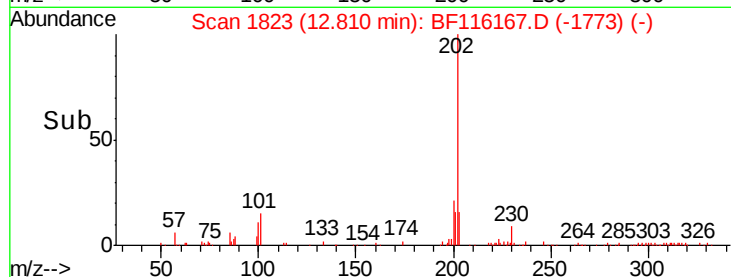
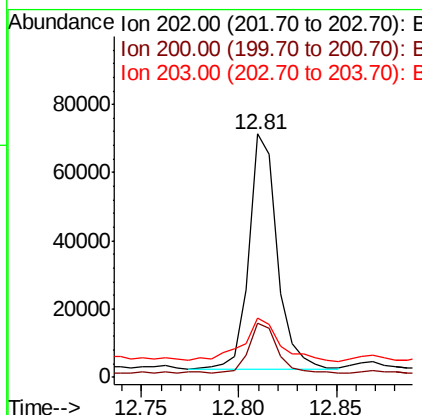
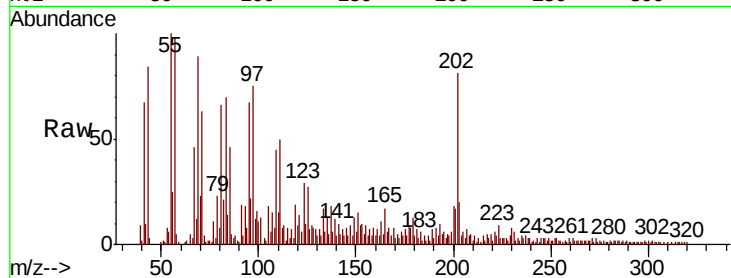




#78
Pvrene
Concen: 3.411 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116167.D
Acq: 11 Aug 2019 1:21

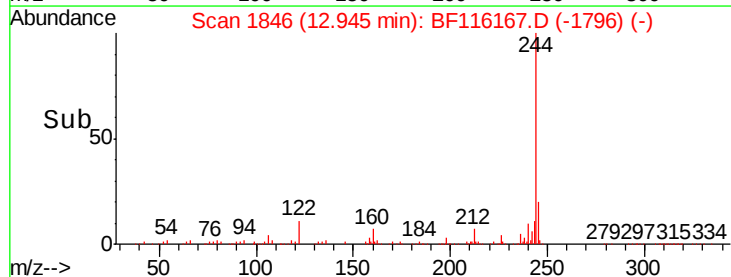
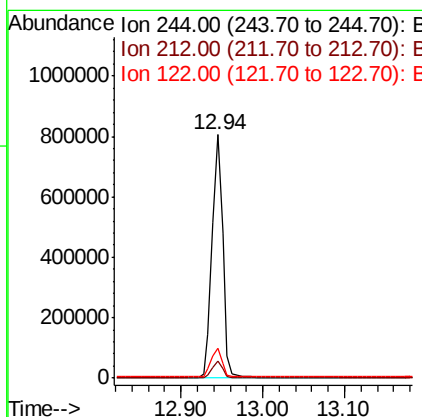
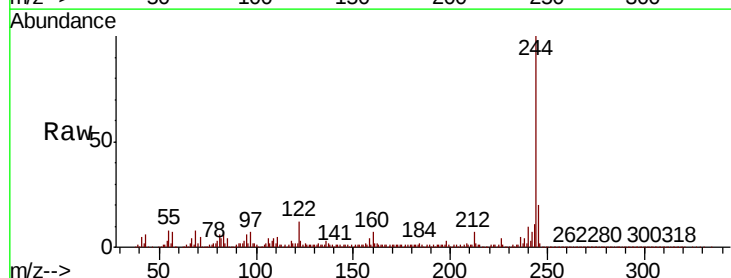
Instrument :
BNA_F
ClientSampleId :

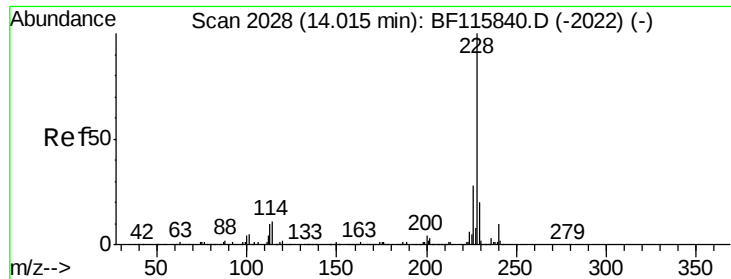
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.0	27.0
203	24.5	14.1	21.1



#79
Terphenyl-d14
Concen: 57.425 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116167.D
Acq: 11 Aug 2019 1:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	12.1	9.0	13.4

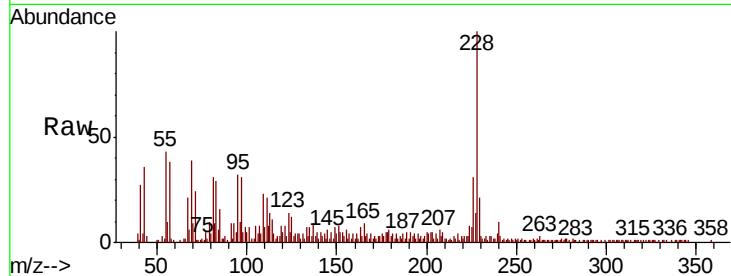




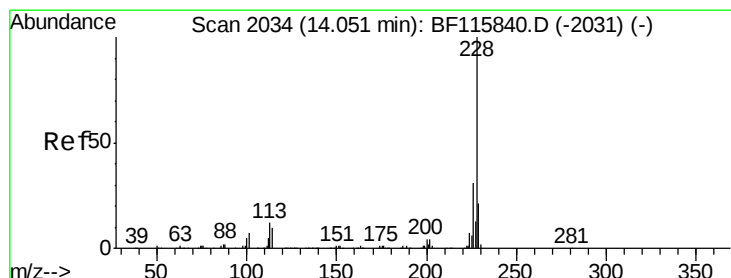
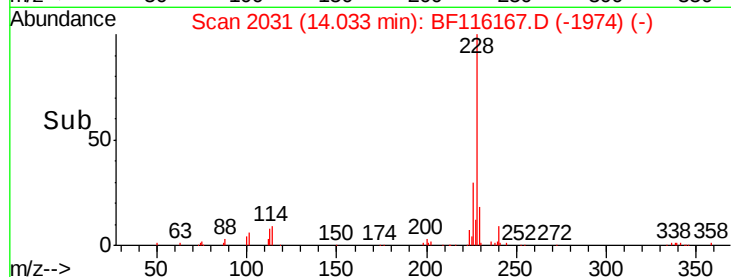
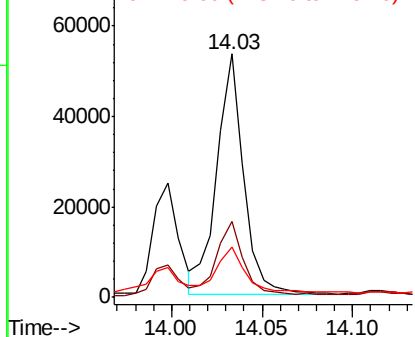
#81
Benzo(a)anthracene
Concen: 3.204 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.04 min
Lab File: BF116167.D
Acq: 11 Aug 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.7	34.1
229	20.8	16.2	24.4

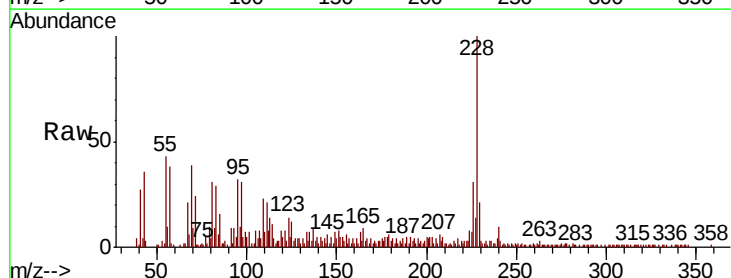


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

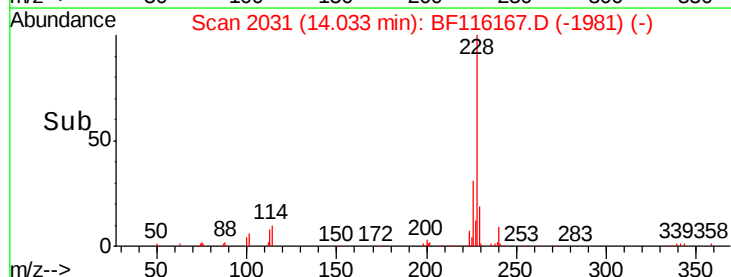
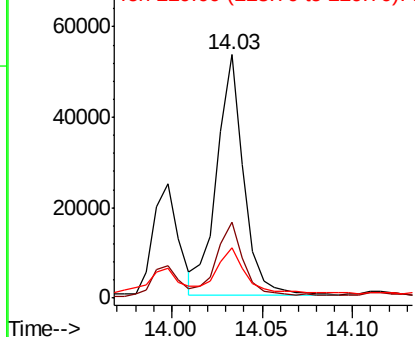


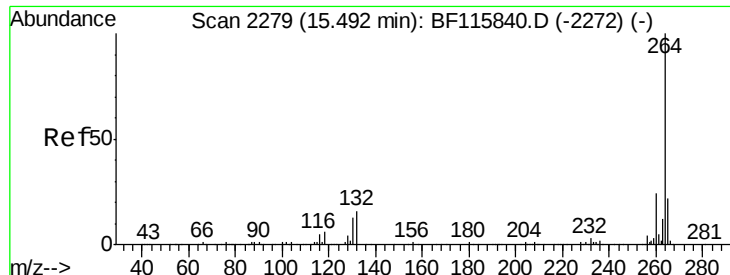
#83
Chrysene
Concen: 3.300 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116167.D
Acq: 11 Aug 2019 1:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.5	38.3
229	20.8	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





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116167.D
Acq: 11 Aug 2019 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.7	29.5
265	21.5	17.4	26.0

