

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116841.D
 Acq On : 5 Sep 2019 16:41
 Operator : HP/JU
 Sample : K4694-10 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 03:54:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	103780	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	428653	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	218433	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	323749	20.00	ng	0.00
76) Chrysene-d12	14.00	240	238991	20.00	ng	0.00
87) Perylene-d12	15.46	264	194476	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	209831	32.76	ng	0.00
7) Phenol-d6	6.47	99	287782	34.21	ng	0.00
23) Nitrobenzene-d5	7.40	82	174809	23.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	56695	38.82	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	331332	25.59	ng	-0.01
79) Terphenyl-d14	12.95	244	272582	21.10	ng	0.00

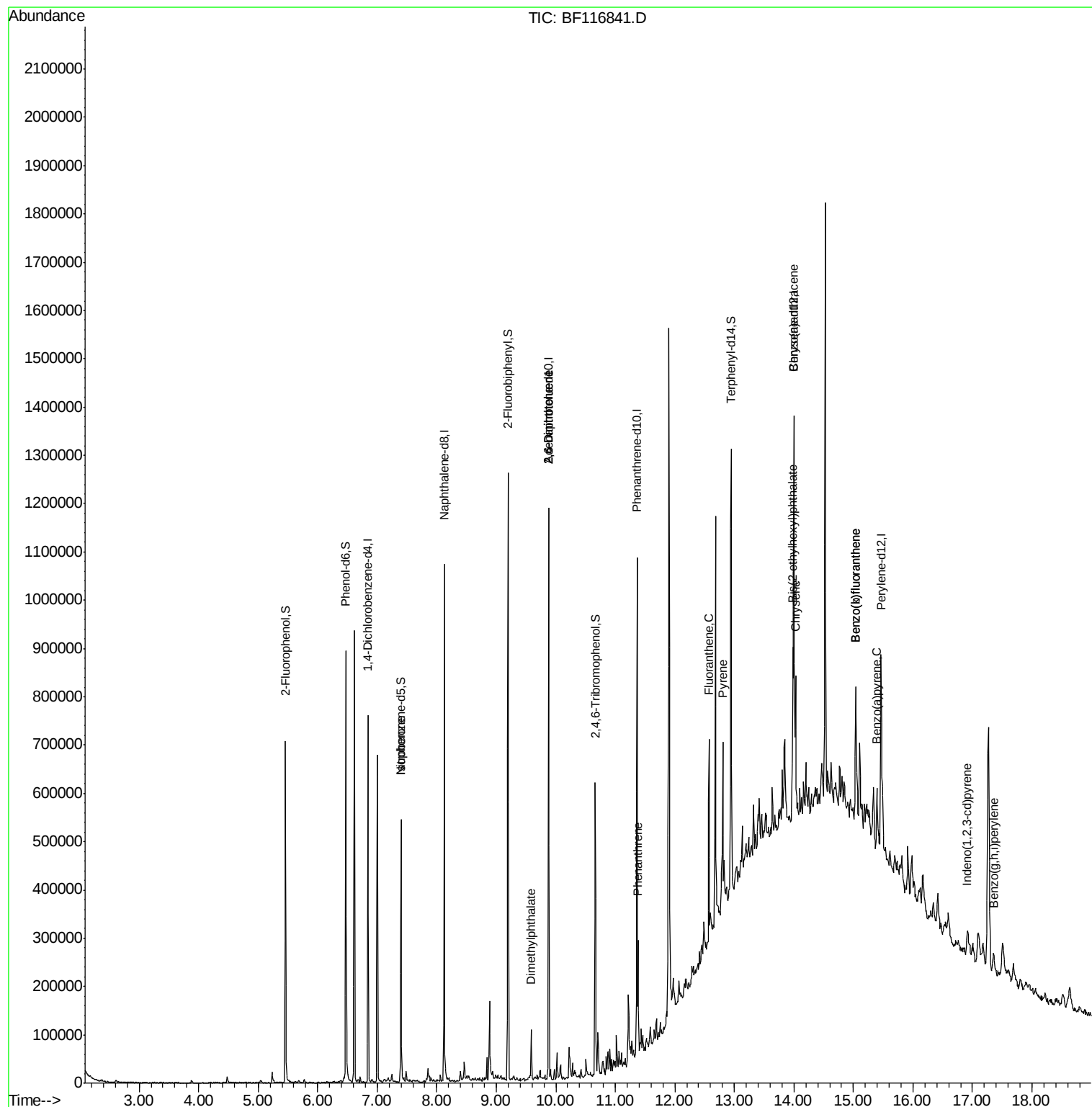
Target Compounds				Qvalue		
25) Isophorone	7.40	82	174806	11.489	ng	# 66
50) Dimethylphthalate	9.59	163	35337	2.343	ng	100
51) 2,6-Dinitrotoluene	9.88	165	27623	9.600	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	27623	7.851	ng	# 22
71) Phenanthrene	11.39	178	76545	4.247	ng	99
75) Fluoranthene	12.57	202	154215	8.707	ng	99
78) Pyrene	12.80	202	147622	6.949	ng	98
81) Benzo(a)anthracene	13.99	228	75769	5.009	ng	96
83) Chrysene	14.03	228	87403	5.609	ng	96
84) Bis(2-ethylhexyl)phthalate	13.98	149	94770	7.431	ng	99
86) Indeno(1,2,3-cd)pyrene	16.92	276	32910	2.629	ng	95
88) Benzo(b)fluoranthene	15.04	252	133606	11.363	ng	# 93
89) Benzo(k)fluoranthene	15.04	252	133606	12.463	ng	# 94
90) Benzo(a)pyrene	15.40	252	48117	4.704	ng	# 89
92) Benzo(a,h,i)perylene	17.36	276	35776	3.918	ng	# 90

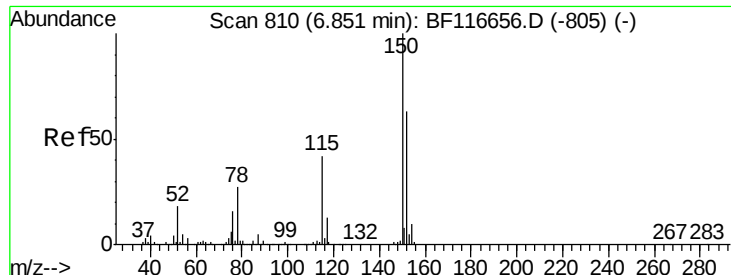
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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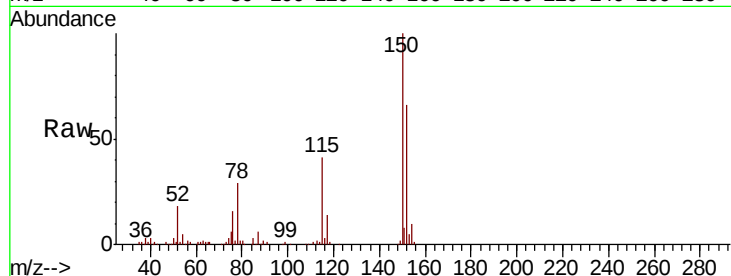


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.4	186.6
115	62.0	49.9	74.9

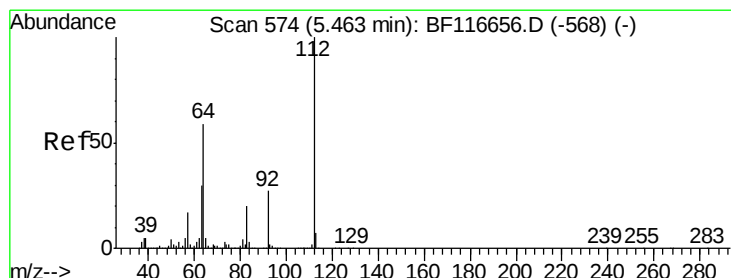
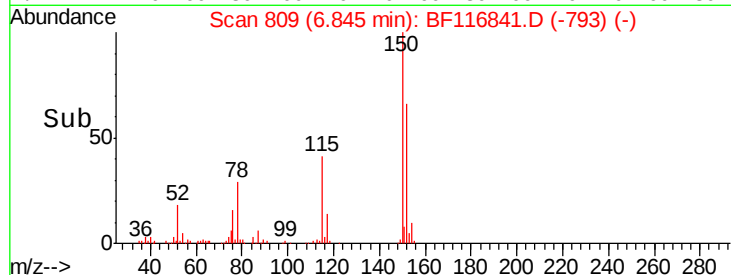
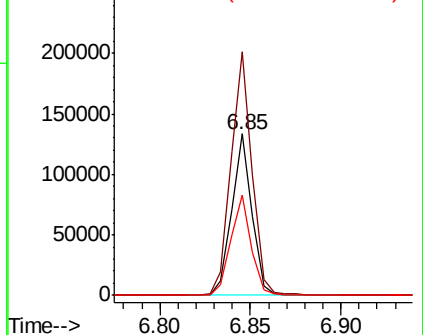


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

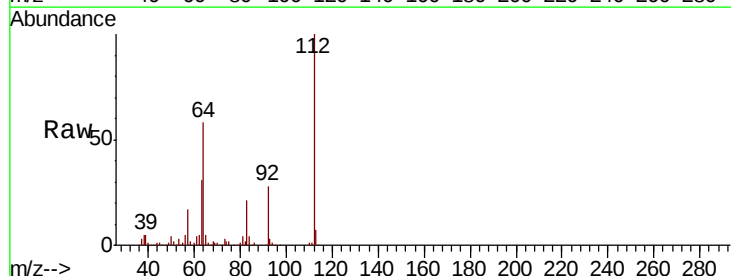
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 32.756 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.1	70.7
63	31.2	24.9	37.3

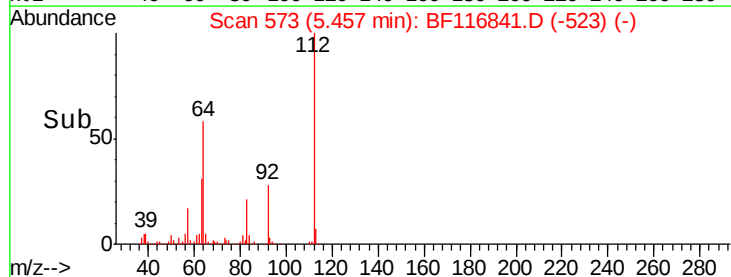
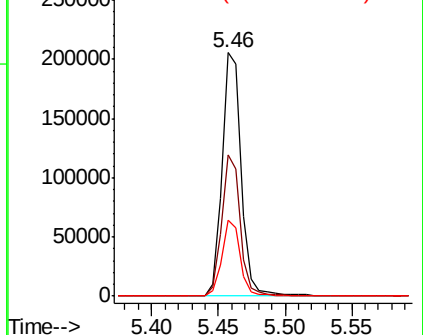


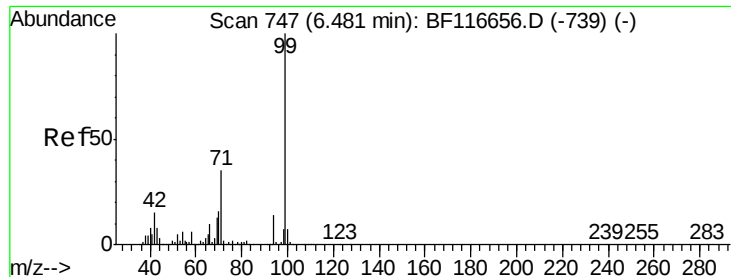
Abundance

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: 34.212 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Instrument :

BNA_F

ClientSampleId :

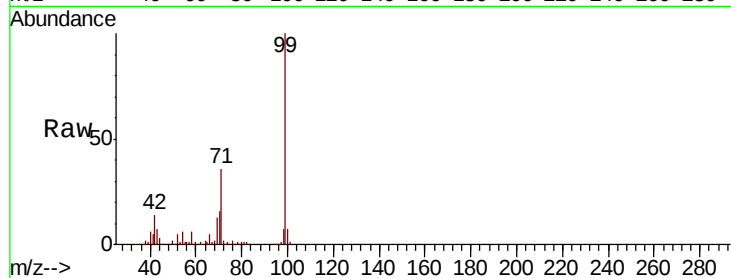
Tot Ion: 99 Resp: 287782

Ion Ratio Lower Upper

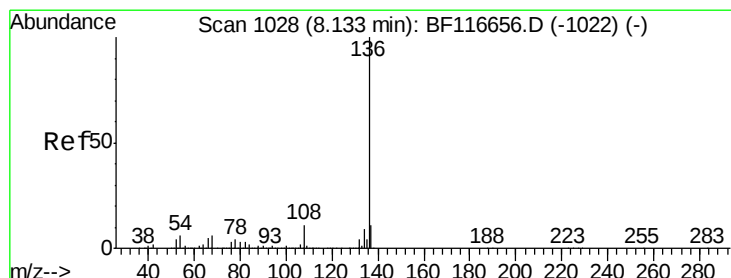
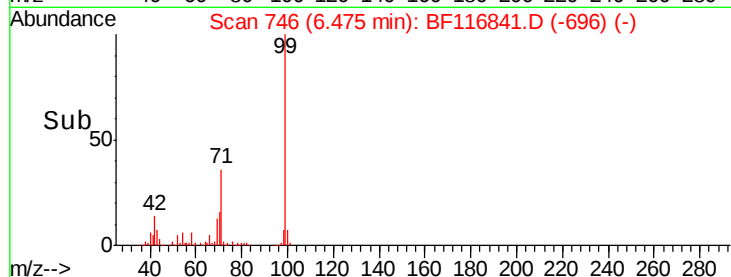
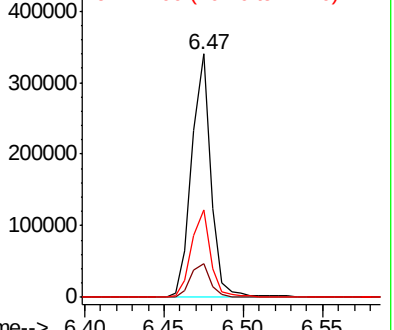
99 100

42 14.0 13.7 20.5

71 36.0 30.8 46.2



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Tgt Ion: 136 Resp: 428653

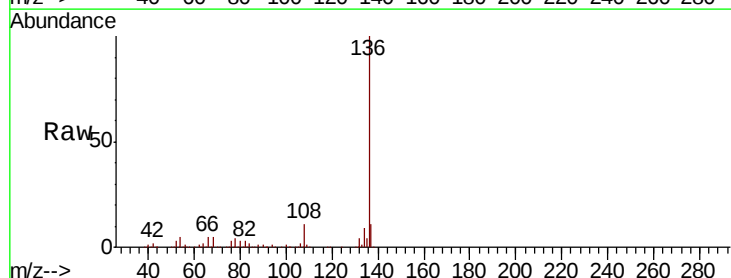
Ion Ratio Lower Upper

136 100

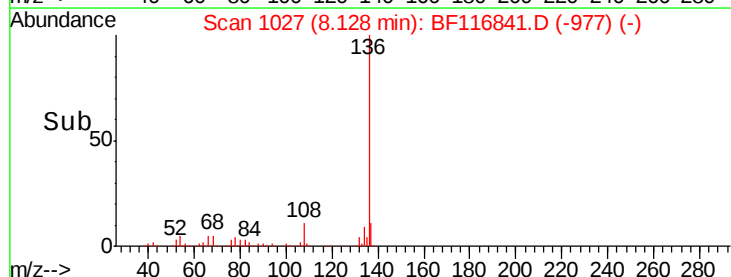
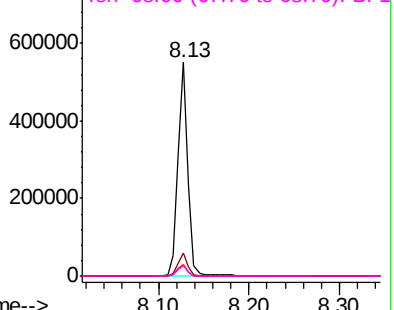
137 10.5 8.9 13.3

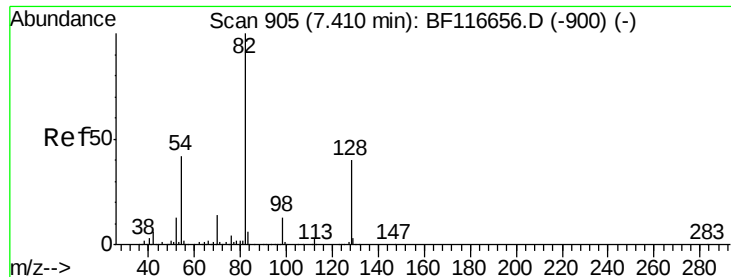
54 5.4 4.8 7.2

68 4.9 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

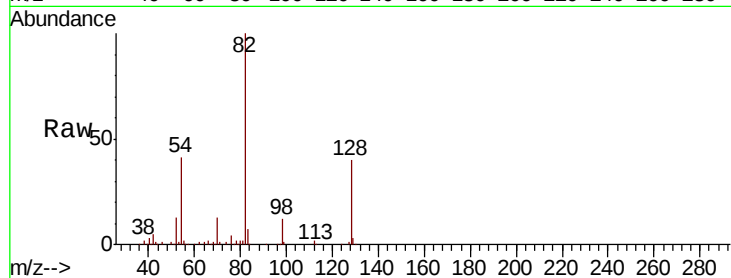




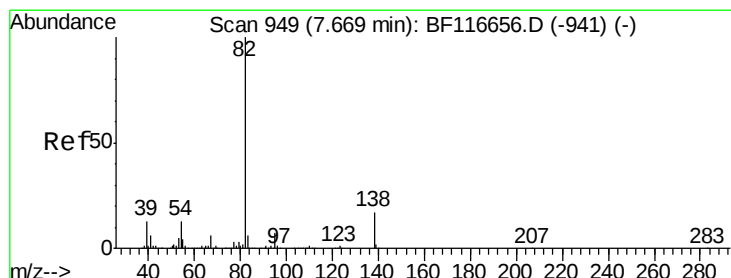
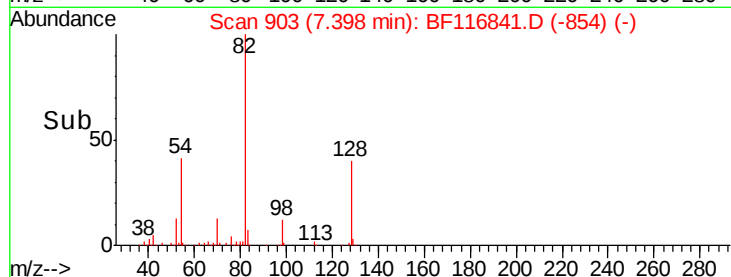
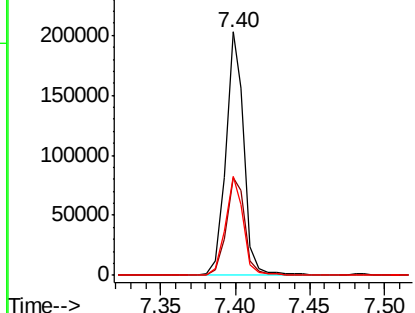
#23
Nitrobenzene-d5
Concen: 23.281 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	174809
Ion Ratio	100	Lower	Upper
128	40.2	32.8	49.2
54	40.7	36.9	55.3

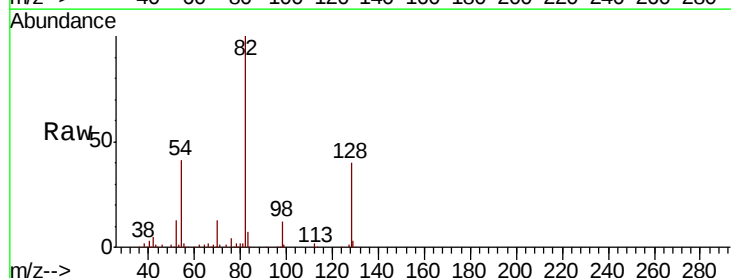


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

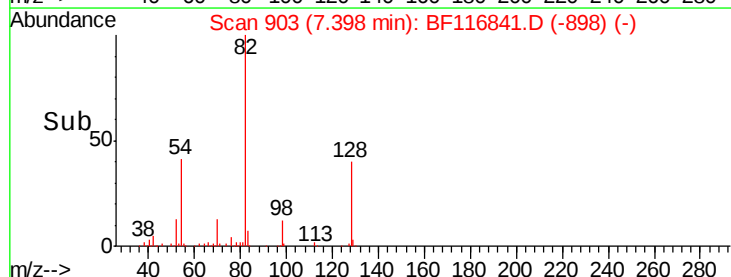
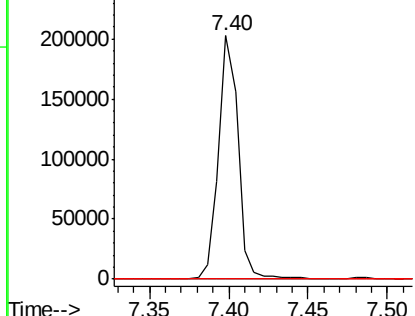


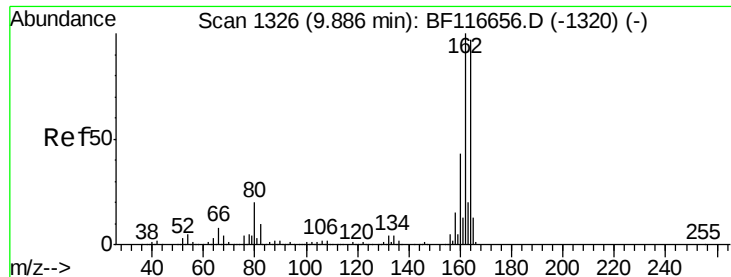
#25
Isophorone
Concen: 11.489 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	82	Resp	174806
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



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

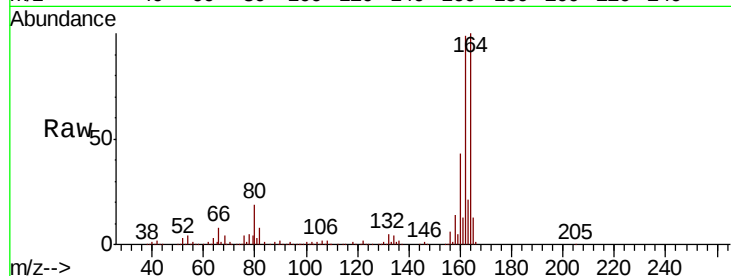




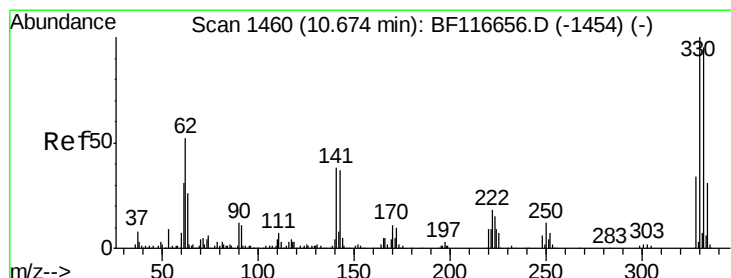
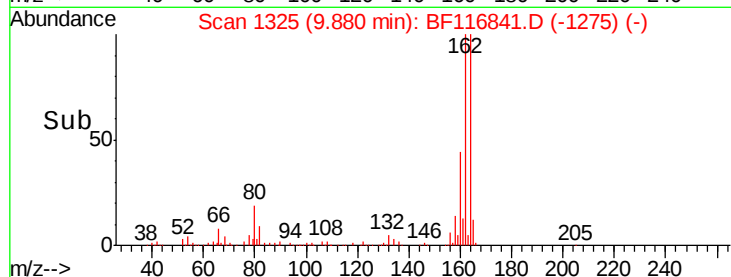
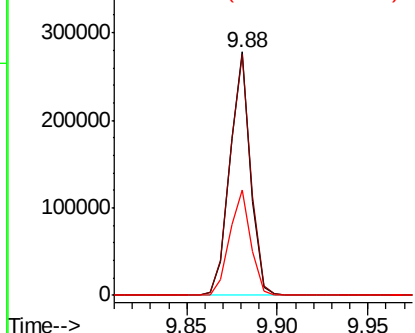
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 218433
Ion Ratio Lower Upper
164 100
162 98.8 81.4 122.0
160 43.2 35.4 53.2

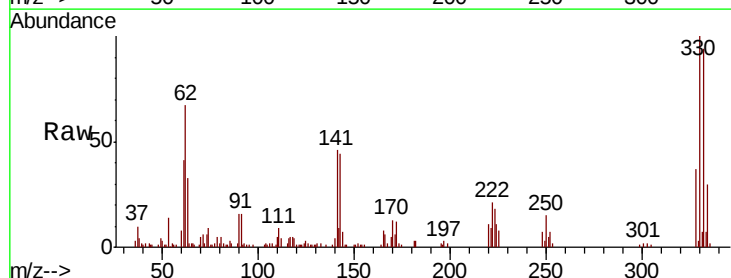


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

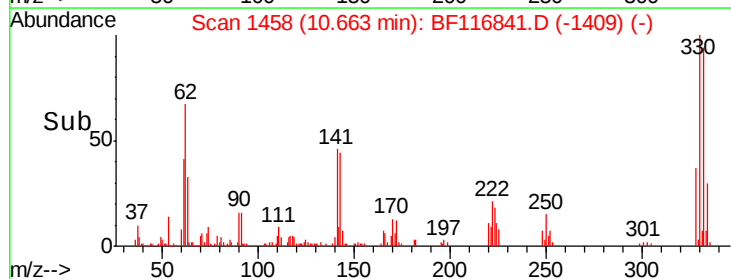
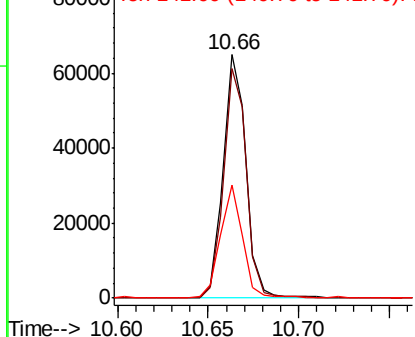


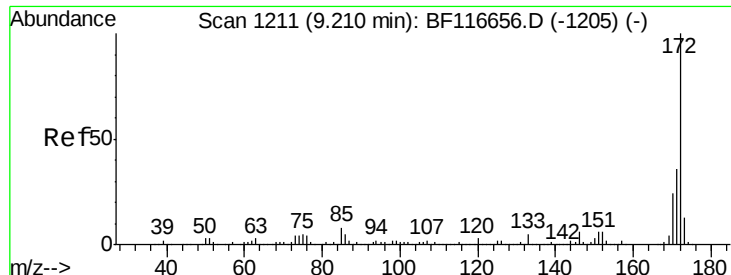
#42
2,4,6-Tribromophenol
Concen: 38.825 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion:330 Resp: 56695
Ion Ratio Lower Upper
330 100
332 94.1 76.9 115.3
141 45.3 31.4 47.2



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

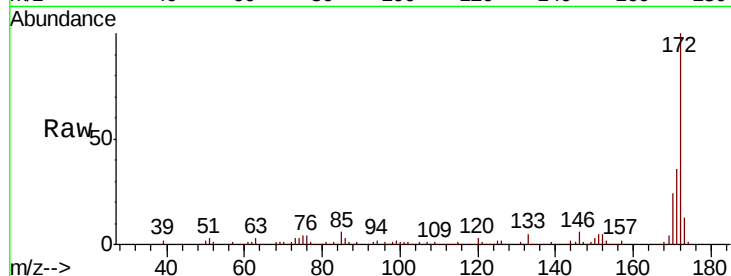




#45
2-Fluorobiphenyl
Concen: 25.588 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	24.0	18.9	28.3

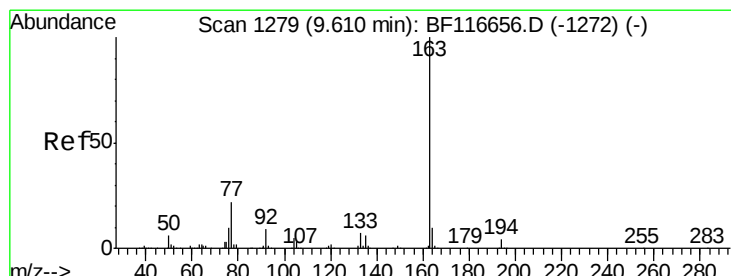
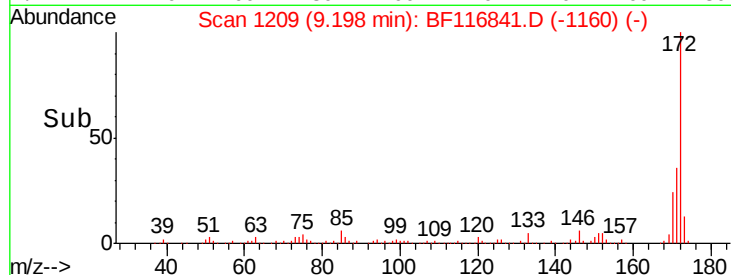
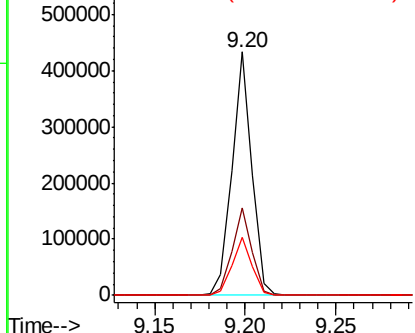


Abundance

Ion 172.00 (171.70 to 172.70): E

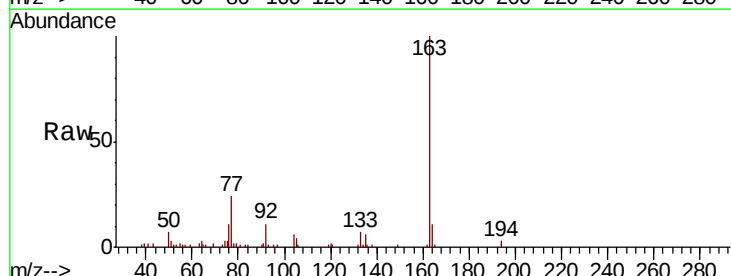
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 2.343 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.6	8.6	12.8

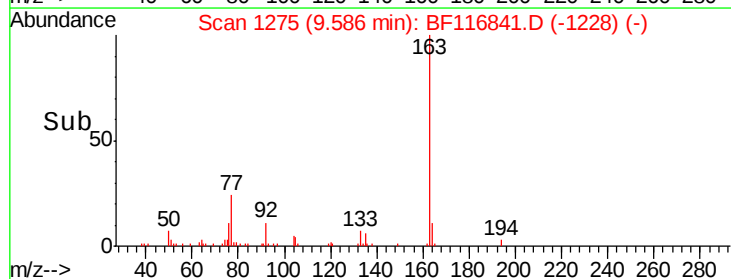
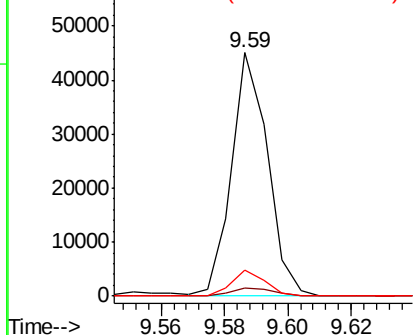


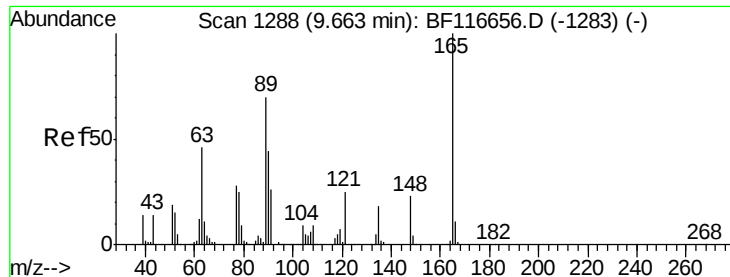
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 9.600 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :

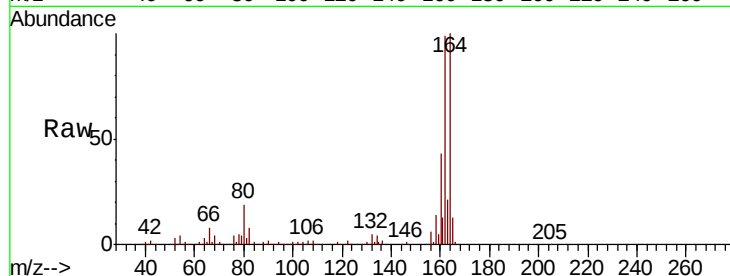
Tot Ion:165 Resp: 27623

Ion Ratio Lower Upper

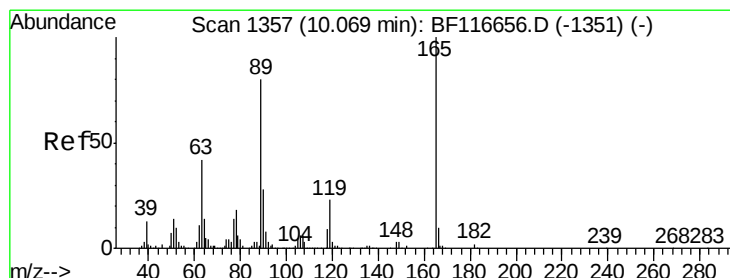
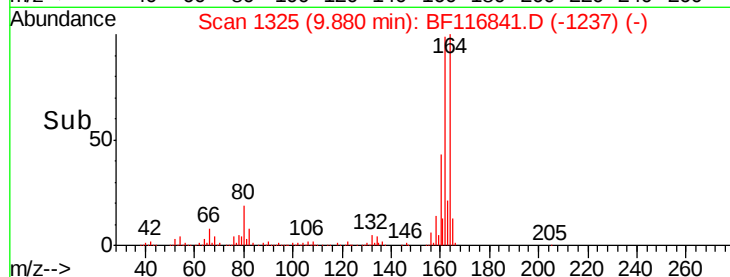
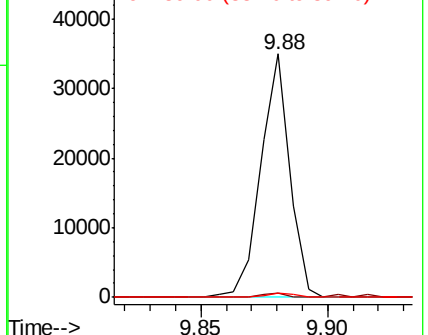
165 100

63 1.5 47.3 70.9#

89 2.0 52.5 78.7#



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



#57

2,4-Dinitrotoluene

Concen: 7.851 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Tgt Ion:165 Resp: 27623

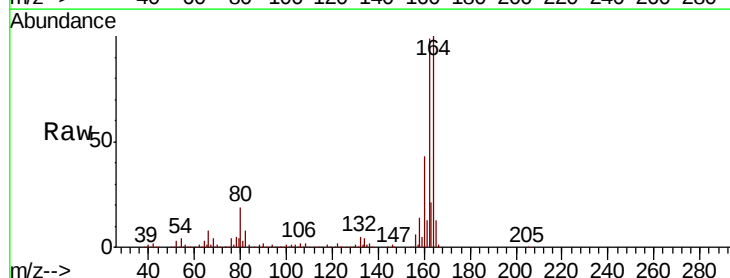
Ion Ratio Lower Upper

165 100

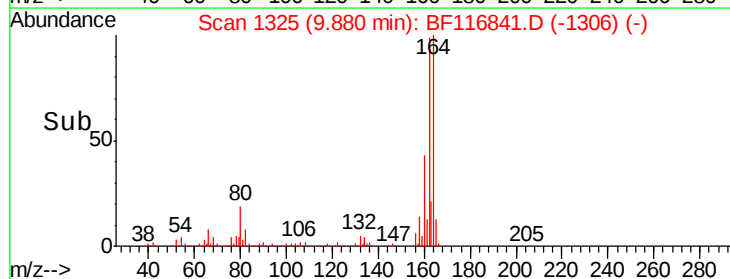
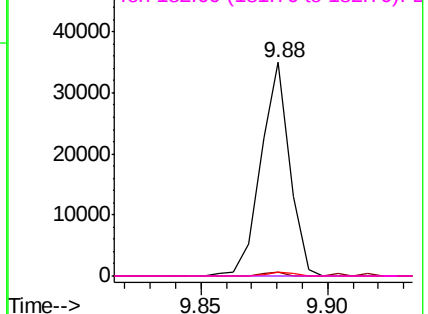
63 1.5 36.4 54.6#

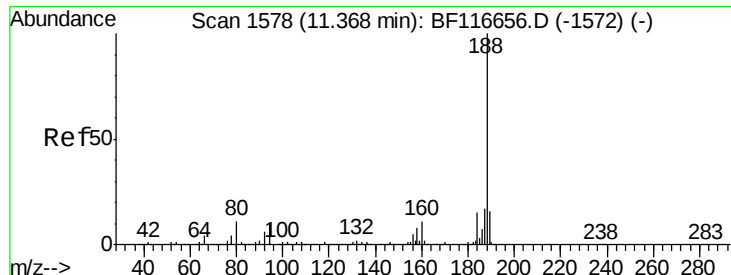
89 2.0 62.6 94.0#

182 0.0 2.1 3.1#



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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Instrument :

BNA_F

ClientSampleId :

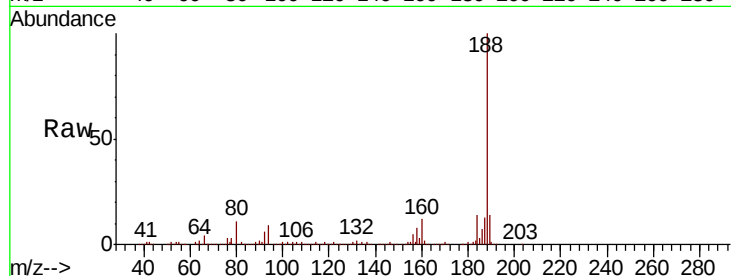
Tot Ion:188 Resp: 323749

Ion Ratio Lower Upper

188 100

94 9.3 7.3 10.9

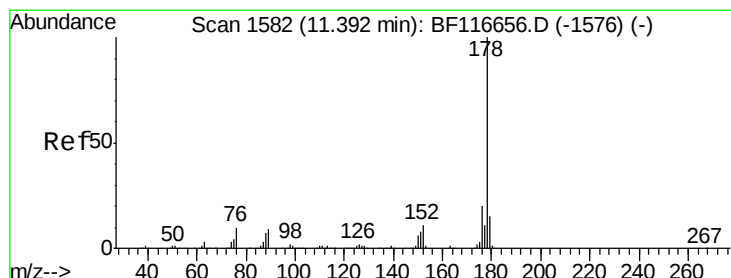
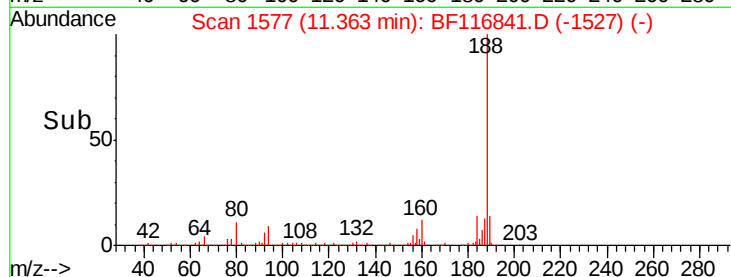
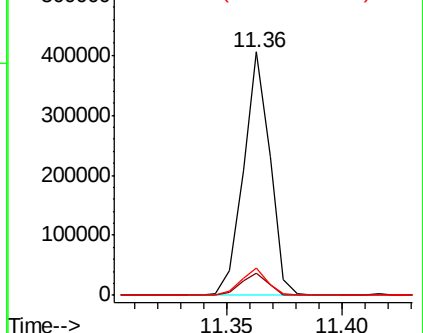
80 11.4 8.4 12.6



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: 4.247 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

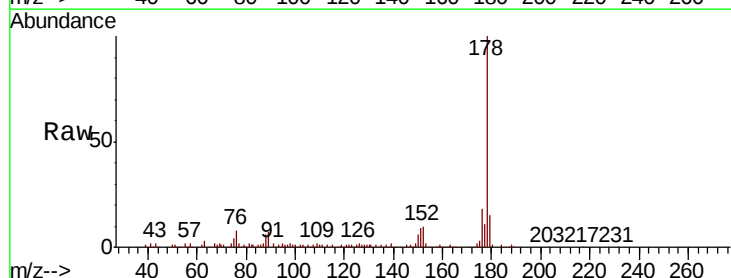
Tgt Ion:178 Resp: 76545

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.0

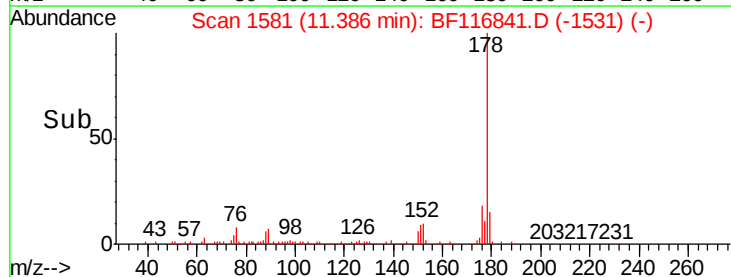
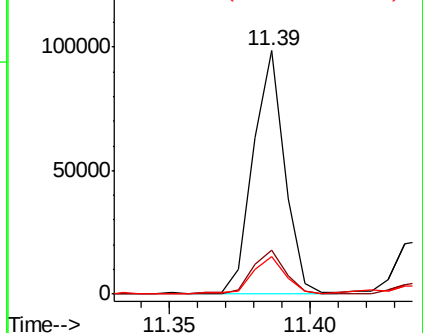
179 15.2 12.2 18.2

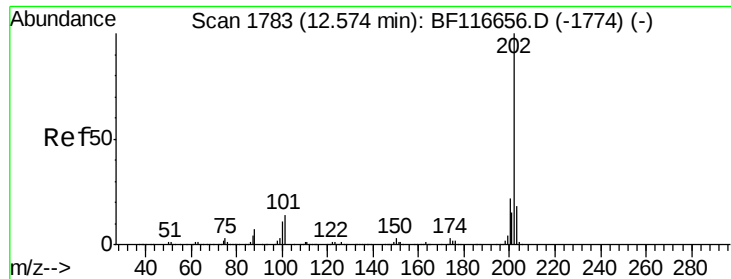


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.707 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116841.D

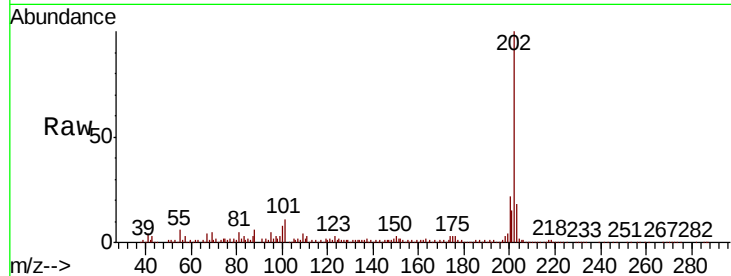
Acq: 5 Sep 2019 16:41

Instrument :

BNA_F

ClientSampleId :

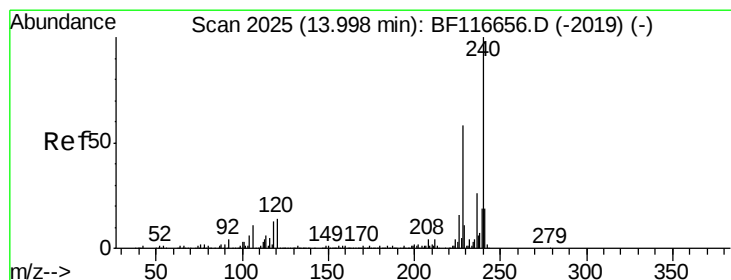
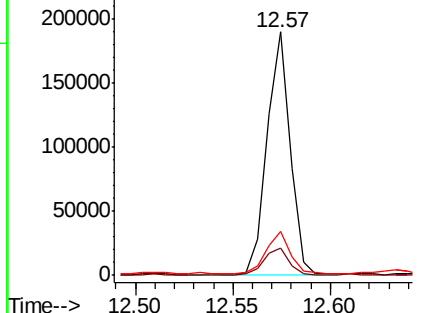
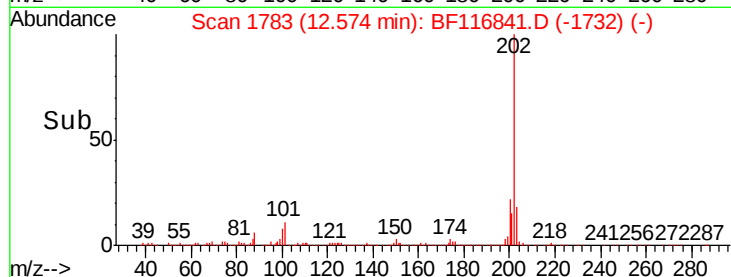
Tot Ion:	202	Resp:	154215
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.3
203	18.1	0.0	37.6



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

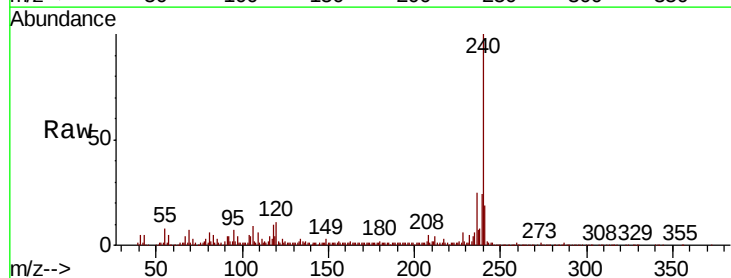
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

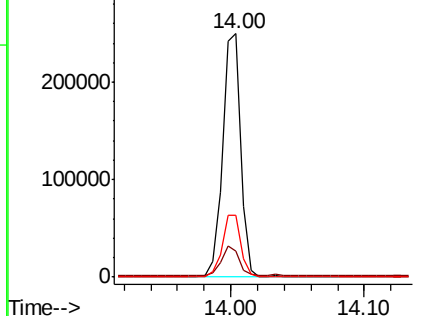
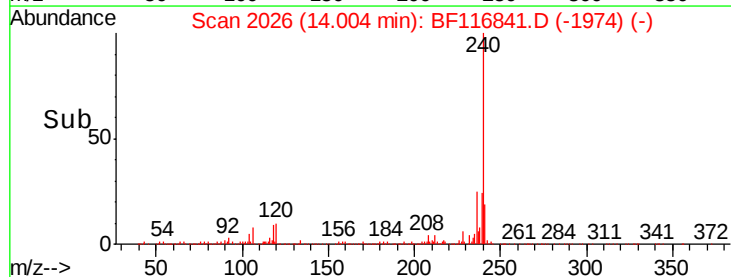
Tgt Ion:	240	Resp:	238991
Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.1	13.7
236	25.4	21.1	31.7

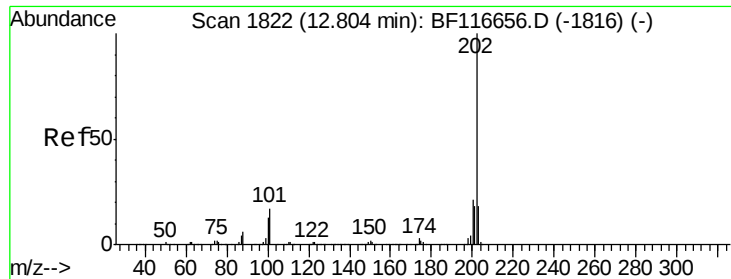


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

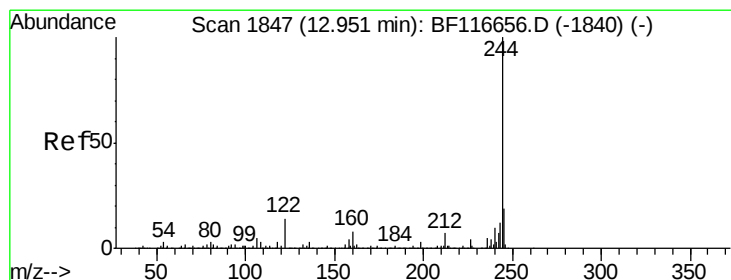
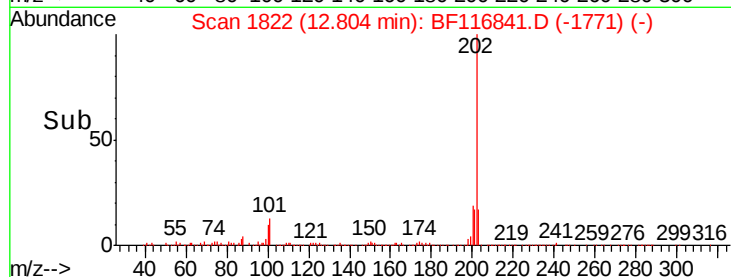
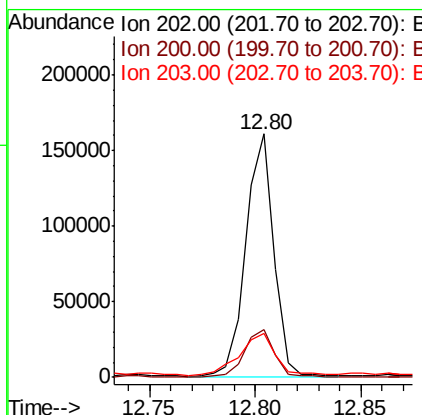
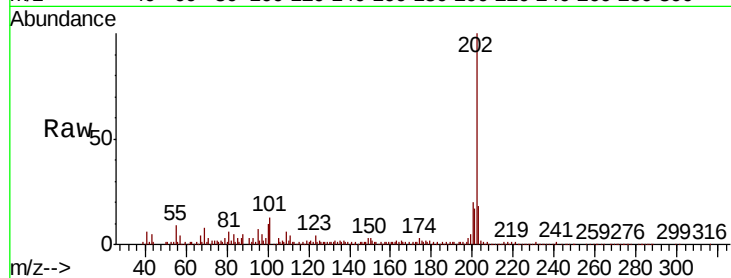




#78
Pvrene
Concen: 6.949 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

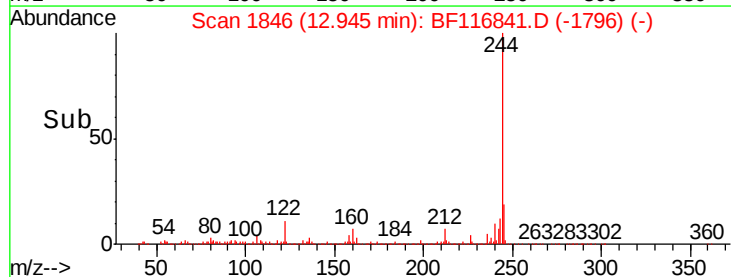
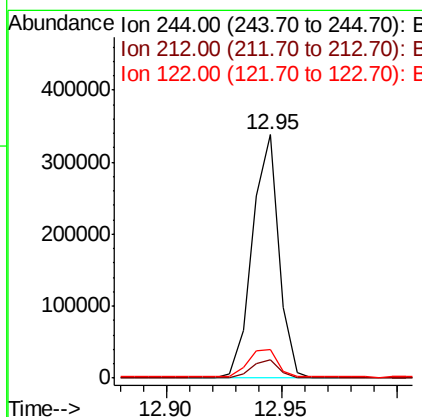
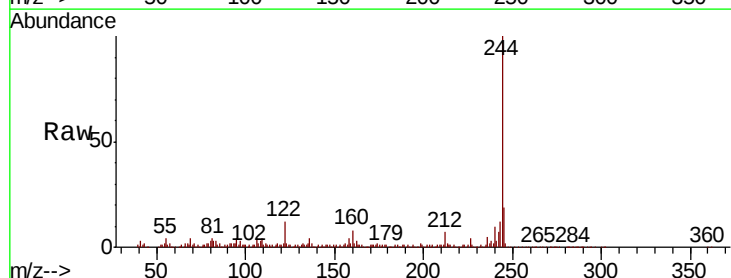
Instrument :
BNA_F
ClientSampleId :

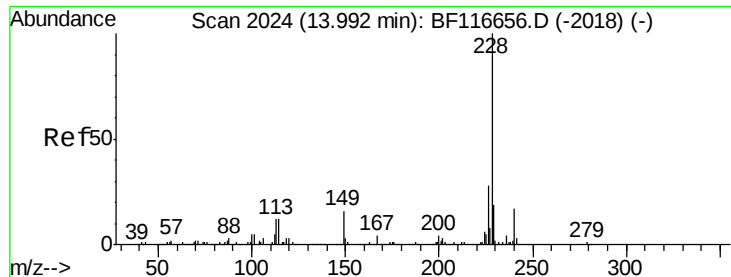
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.5	24.7
203	17.8	13.7	20.5



#79
Terphenyl-d14
Concen: 21.100 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	11.7	10.2	15.4

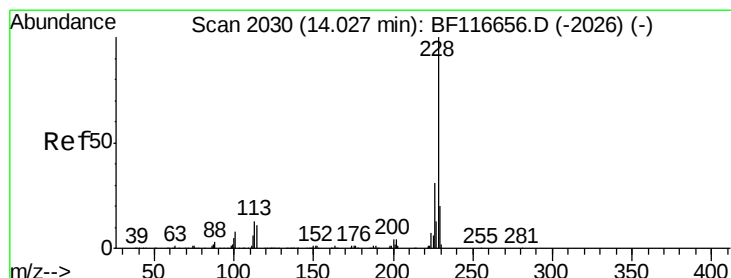
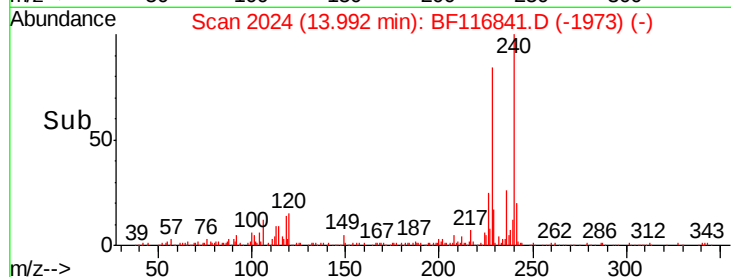
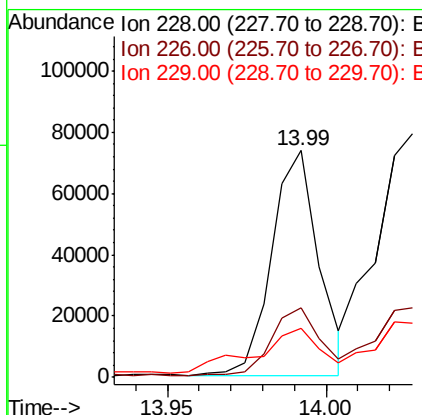
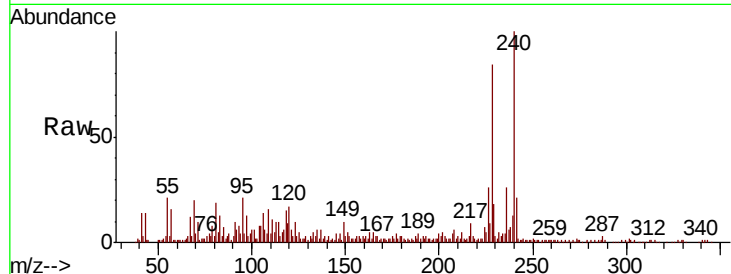




#81
Benzo(a)anthracene
Concen: 5.009 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

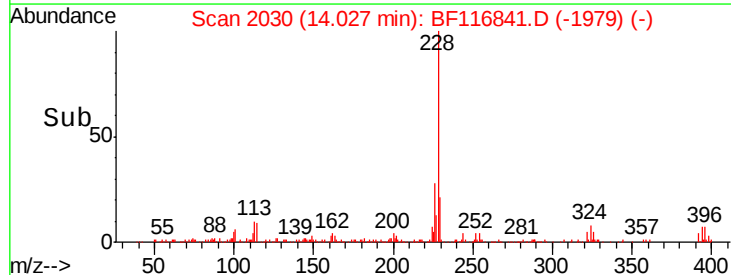
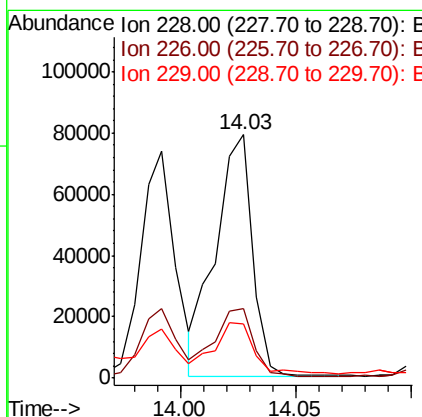
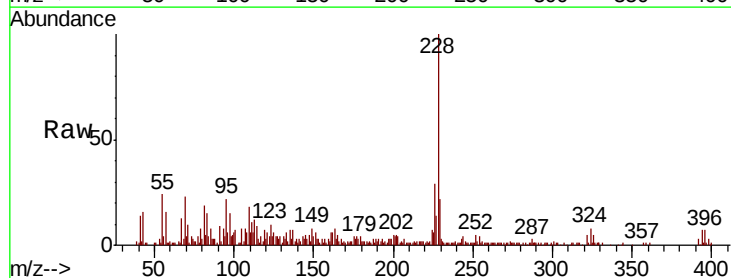
Instrument :
BNA_F
ClientSampled :

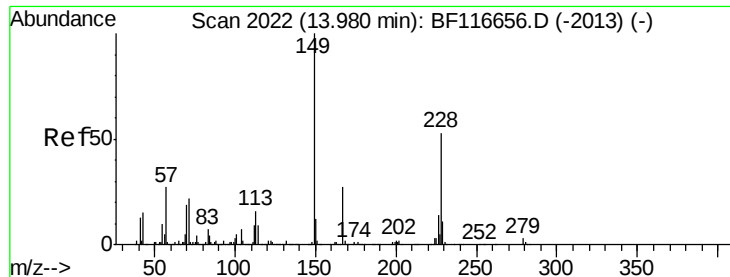
Tot Ion:228 Resp: 75769
Ion Ratio Lower Upper
228 100
226 30.4 22.0 33.0
229 21.4 16.4 24.6



#83
Chrysene
Concen: 5.609 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion:228 Resp: 87403
Ion Ratio Lower Upper
228 100
226 28.5 24.0 36.0
229 22.4 15.4 23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.431 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Instrument :

BNA_F

ClientSampleId :

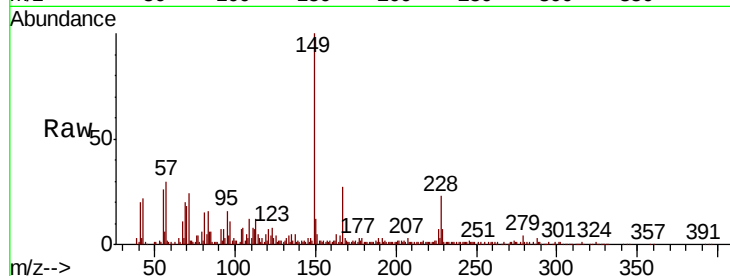
Tot Ion:149 Resp: 94770

Ion Ratio Lower Upper

149 100

167 26.5 21.0 31.4

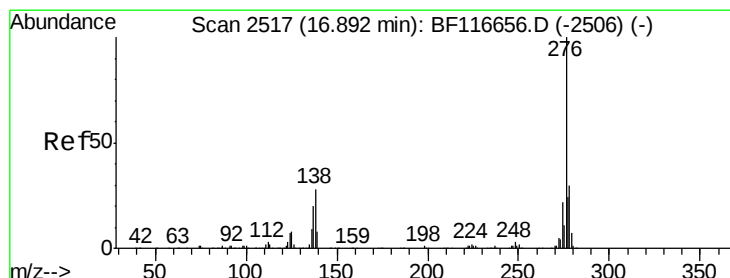
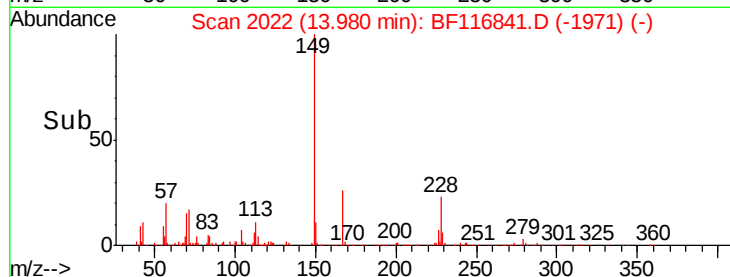
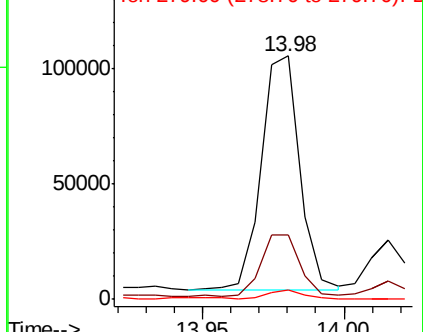
279 3.6 2.8 4.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.629 ng

RT: 16.92 min Scan# 2521

Delta R.T. 0.02 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

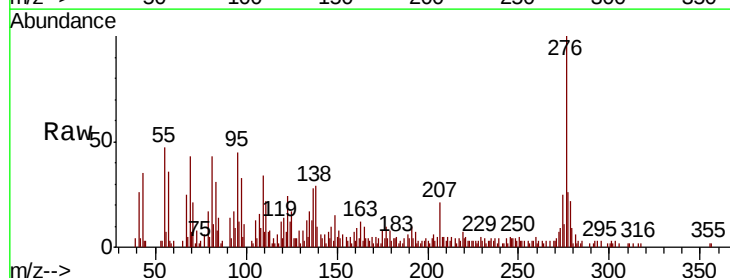
Tgt Ion:276 Resp: 32910

Ion Ratio Lower Upper

276 100

138 23.2 19.4 29.2

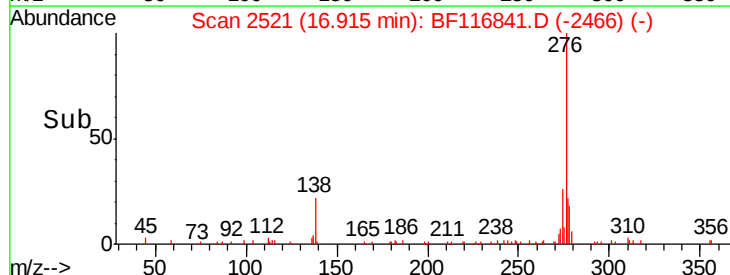
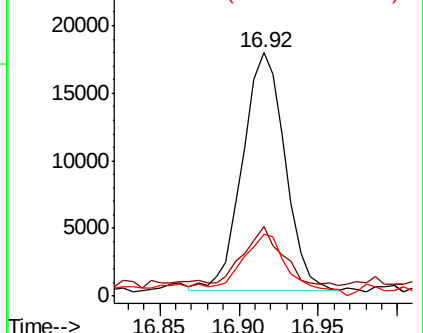
277 29.2 20.5 30.7

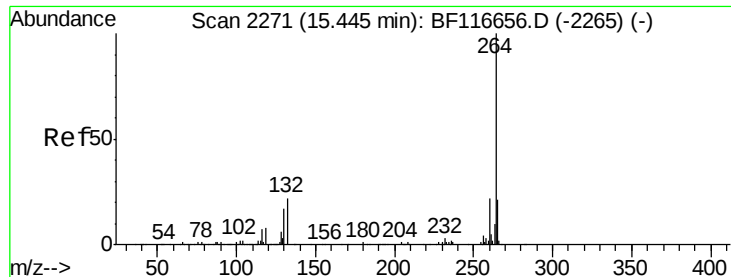


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Instrument :

BNA_F

ClientSampleId :

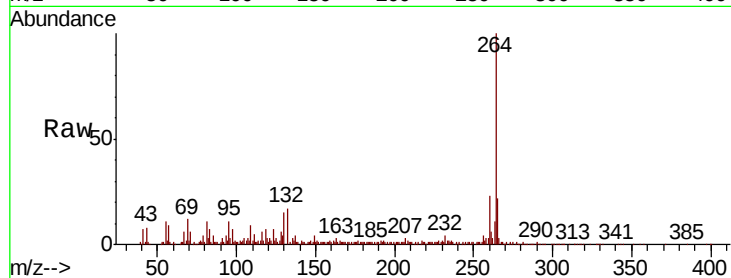
Tot Ion:264 Resp: 194476

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 22.3 16.5 24.7

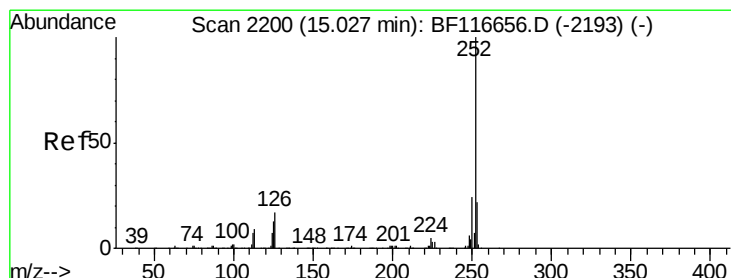
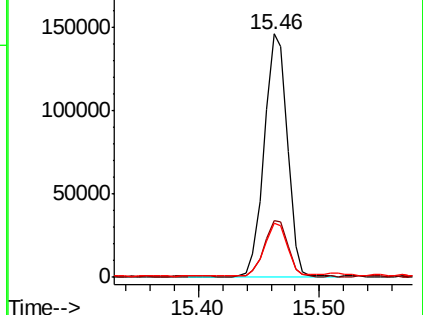
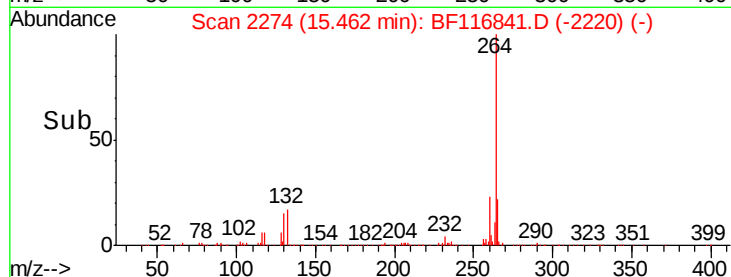


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 11.363 ng

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

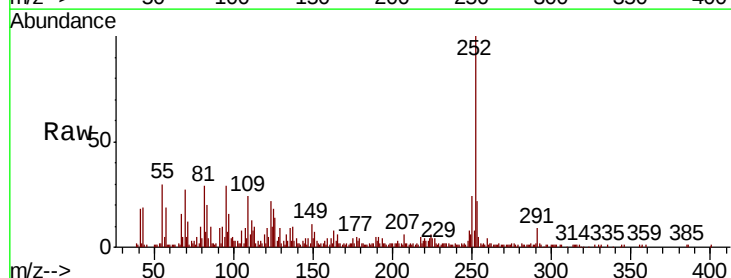
Tgt Ion:252 Resp: 133606

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 17.7 8.2 12.2#

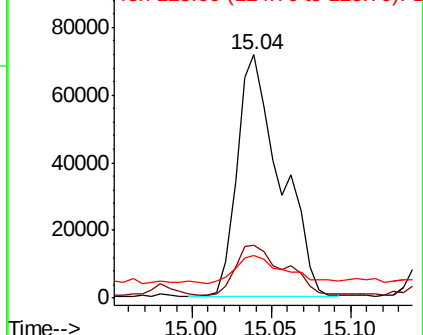
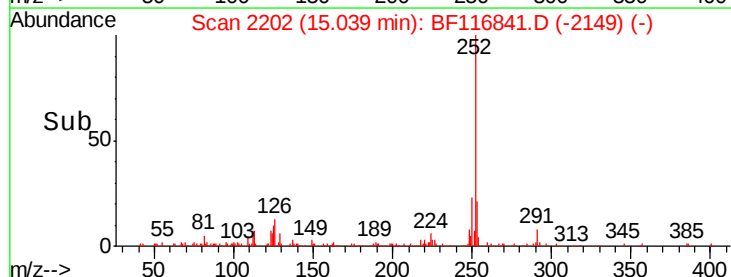


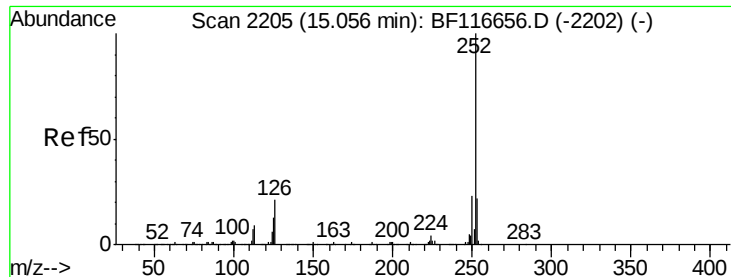
Abundance

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

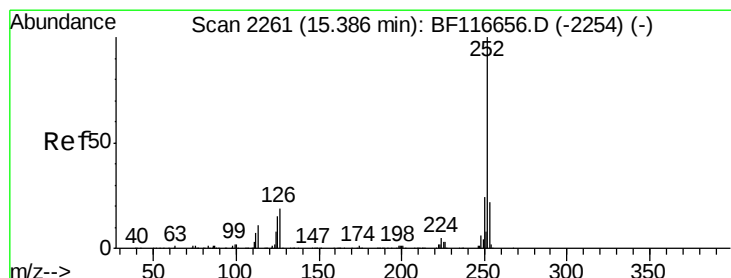
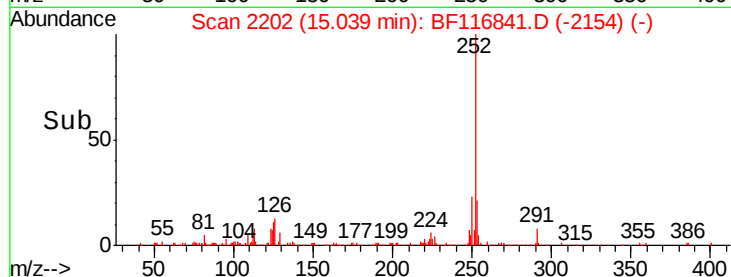
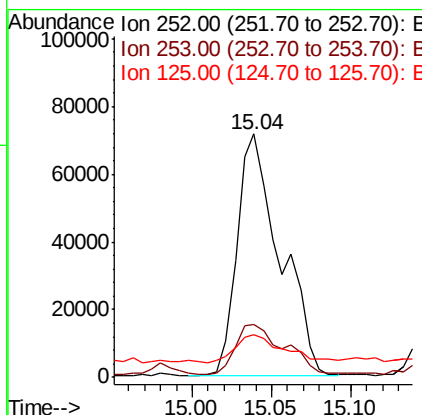
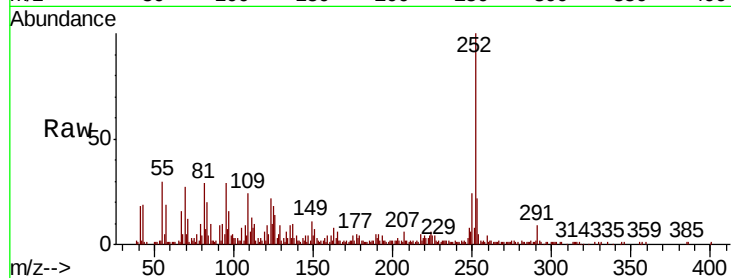




#89
Benzo(k)fluoranthene
Concen: 12.463 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

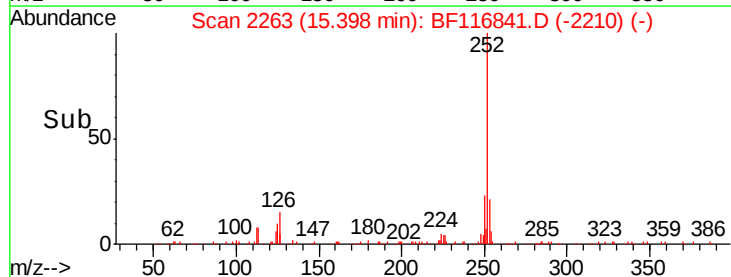
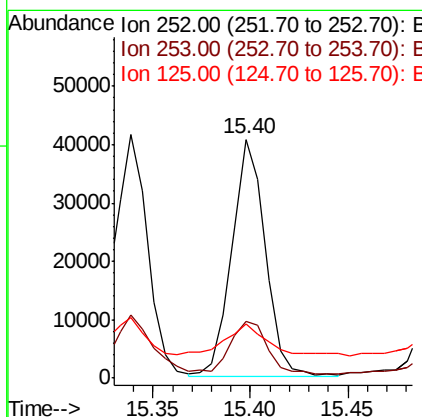
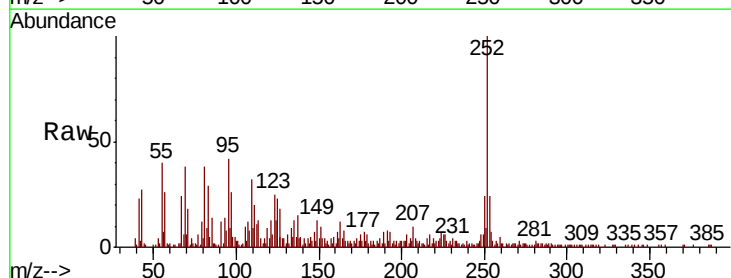
Instrument :
BNA_F
ClientSampleId :

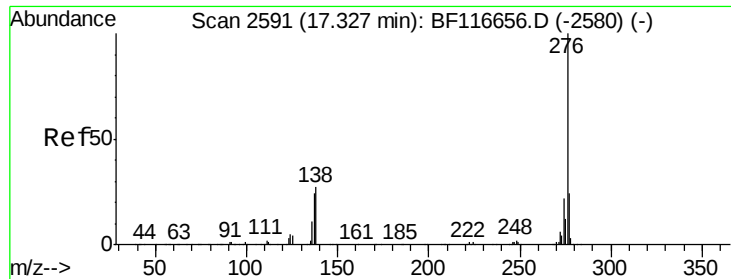
Tot Ion:252 Resp: 133606
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 17.7 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 4.704 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion:252 Resp: 48117
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 22.8 9.8 14.8#

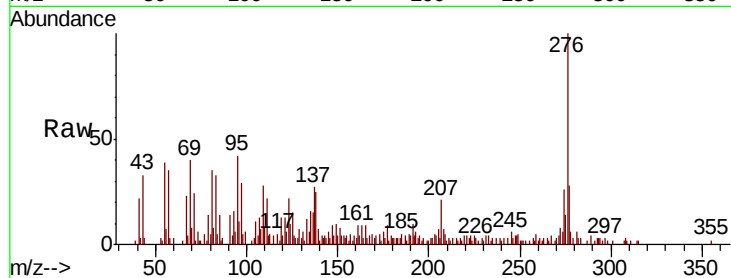




#92
 Benzo(a,h,i)perylene
 Concen: 3.918 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. 0.03 min
 Lab File: BF116841.D
 Acq: 5 Sep 2019 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.5	27.7#
138	24.7	16.2	24.2#



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

