

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116747.D
 Acq On : 1 Sep 2019 17:20
 Operator : HP/JU
 Sample : K4544-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:26:05 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	88088	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	353780	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	193332	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	355189	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	244242	20.00	ng	0.00
87) Perylene-d12	15.45	264	239977	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	505183	92.91	ng	0.00
7) Phenol-d6	6.47	99	691354	96.83	ng	-0.01
23) Nitrobenzene-d5	7.40	82	417951	67.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	144363	111.70	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	755886	65.95	ng	-0.01
79) Terphenyl-d14	12.95	244	868629	65.79	ng	0.00

Target Compounds

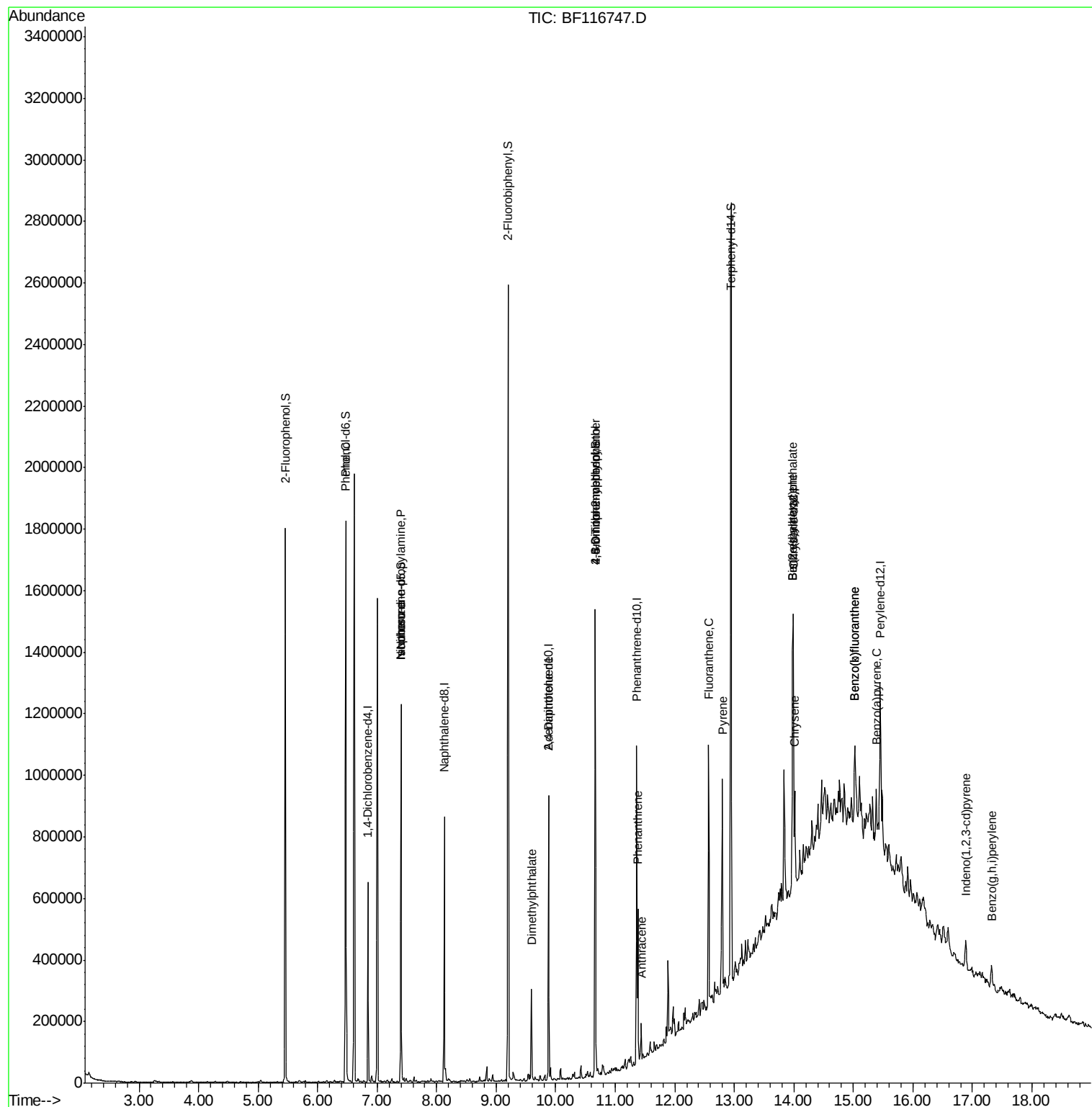
						Qvalue
10) Phenol	6.48	94	52007	6.578	ng	97
19) n-Nitroso-di-n-propylamine	7.40	70	54506	11.594	ng	# 71
25) Isophorone	7.40	82	417941	33.282	ng	# 66
50) Dimethylphthalate	9.59	163	121470	9.101	ng	# 97
57) 2,4-Dinitrotoluene	9.87	165	24470	7.858	ng	# 22
65) 4,6-Dinitro-2-methylphenol	10.66	198	301	7.645	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	9829	2.724	ng	# 1
71) Phenanthrene	11.38	178	168719	8.533	ng	98
72) Anthracene	11.43	178	41230	2.072	ng	97
75) Fluoranthene	12.57	202	299813	15.430	ng	98
78) Pyrene	12.80	202	270861	12.475	ng	99
81) Benzo(a)anthracene	13.98	228	118589	7.672	ng	98
83) Chrysene	14.02	228	107942	6.778	ng	95
84) Bis(2-ethylhexyl)phthalate	13.97	149	158457	12.158	ng	100
86) Indeno(1,2,3-cd)pyrene	16.89	276	59911	4.684	ng	95
88) Benzo(b)fluoranthene	15.02	252	170719	11.767	ng	# 88
89) Benzo(k)fluoranthene	15.02	252	170719	12.905	ng	# 89
90) Benzo(a)pyrene	15.39	252	88350	6.999	ng	# 88
92) Benzo(a,h,i)perylene	17.32	276	57632	5.115	ng	# 86

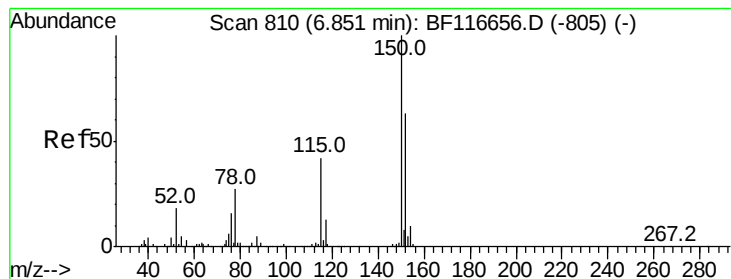
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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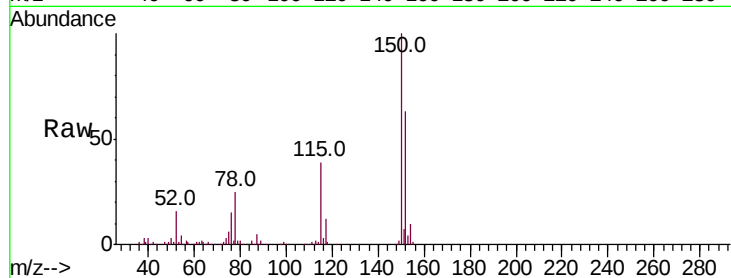


#1

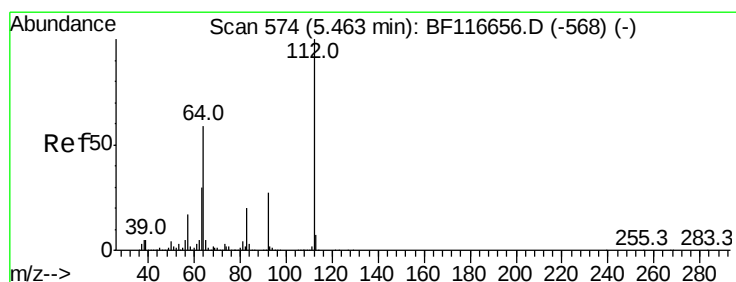
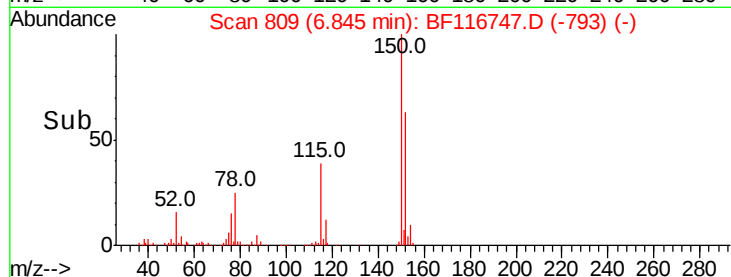
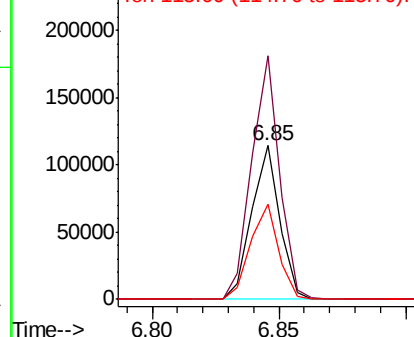
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 88088
Ion Ratio Lower Upper
152 100
150 158.7 124.4 186.6
115 61.8 49.9 74.9



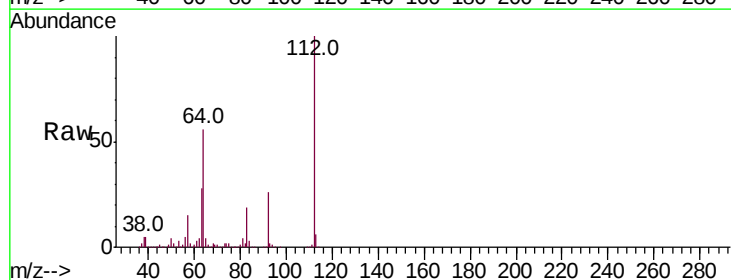
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



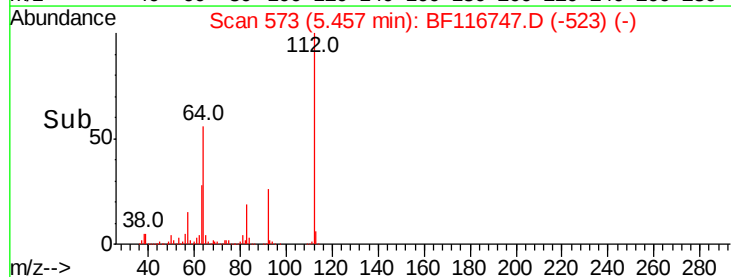
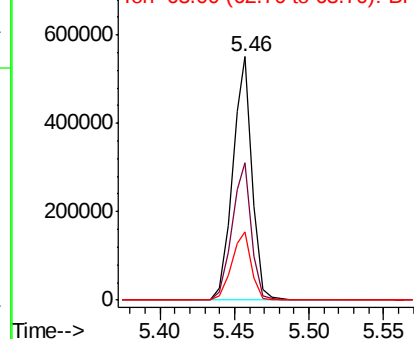
#5

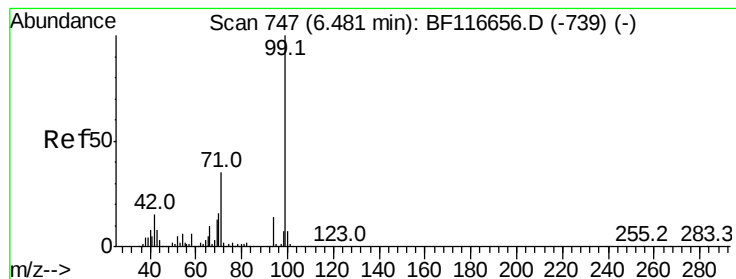
2-Fluorophenol
Concen: 92.910 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion:112 Resp: 505183
Ion Ratio Lower Upper
112 100
64 56.2 47.1 70.7
63 28.1 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: 96.831 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Instrument :

BNA_F

ClientSampleId :

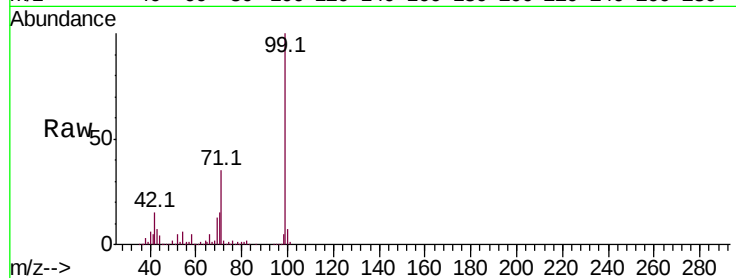
Tot Ion: 99 Resp: 691354

Ion Ratio Lower Upper

99 100

42 15.1 13.7 20.5

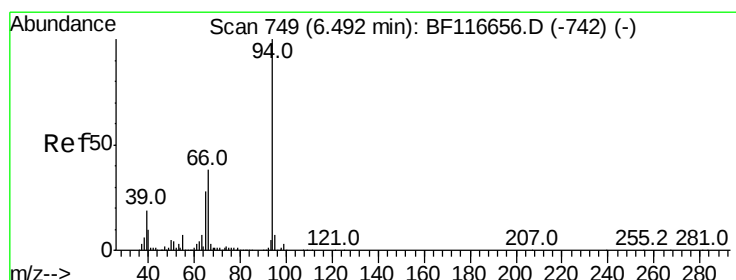
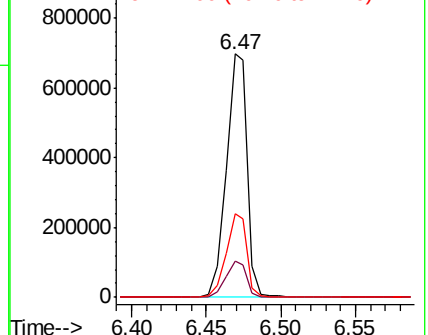
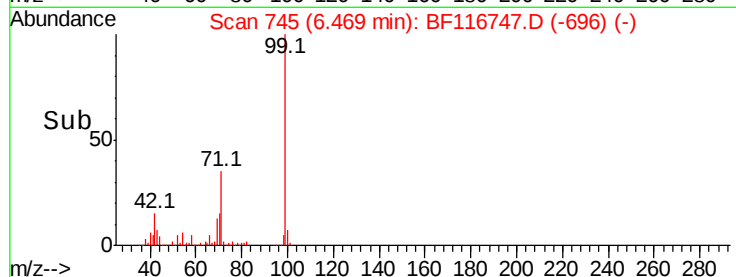
71 34.6 30.8 46.2



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



#10

Phenol

Concen: 6.578 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

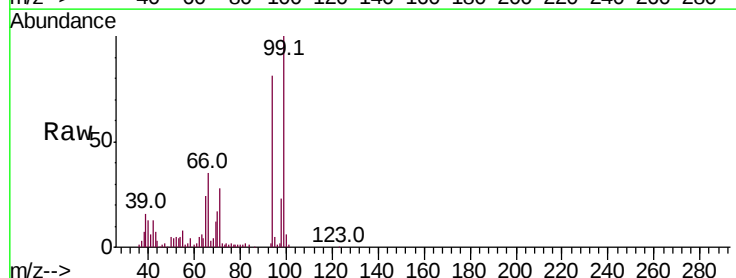
Tgt Ion: 94 Resp: 52007

Ion Ratio Lower Upper

94 100

65 29.4 10.8 50.8

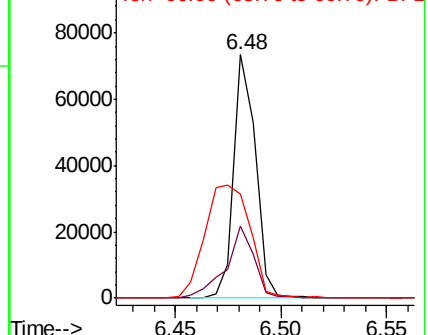
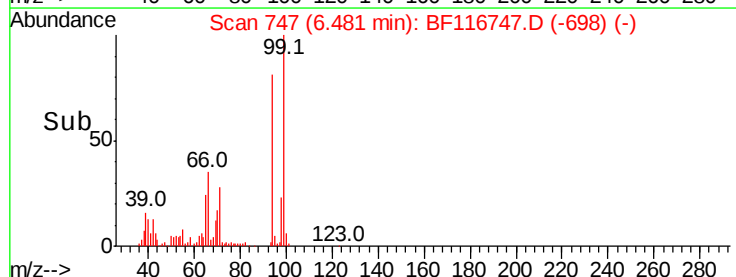
66 43.0 21.1 61.1

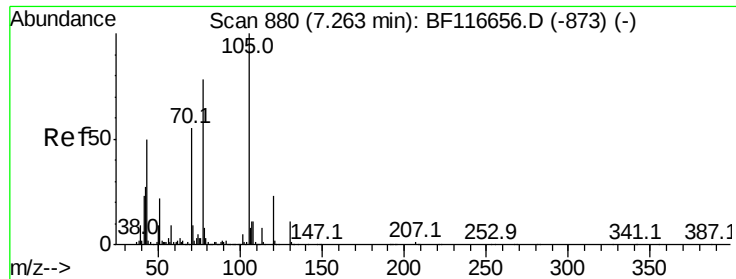


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

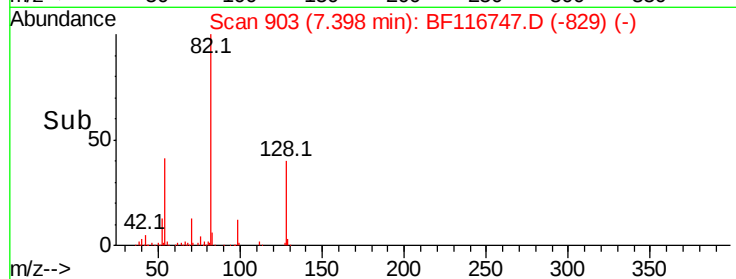
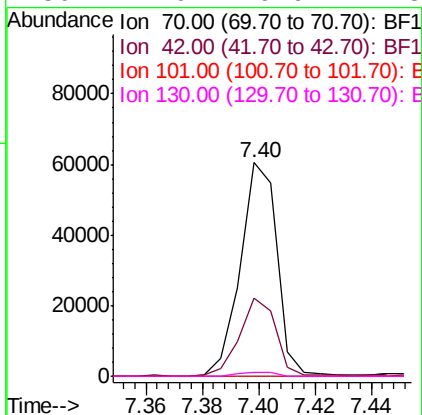
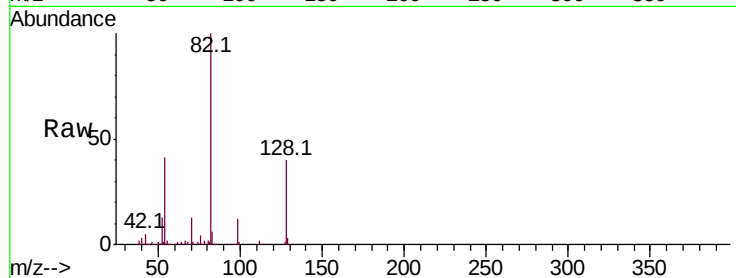




#19
n-Nitroso-di-n-propylamine
Concen: 11.594 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

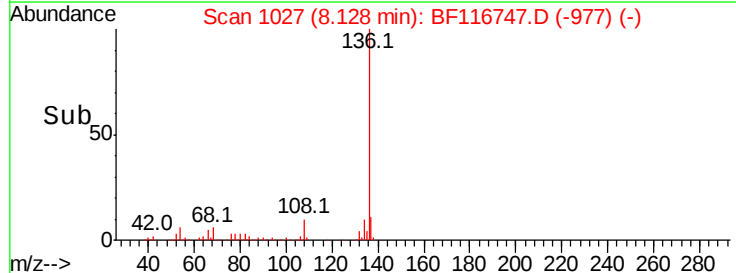
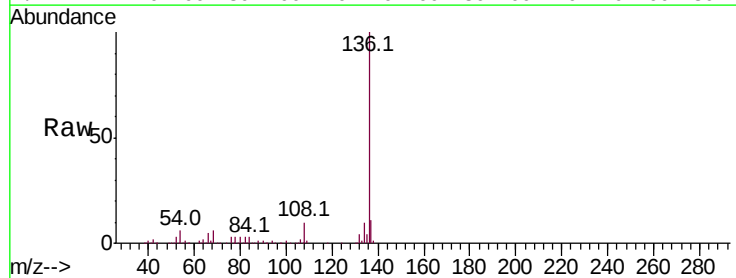
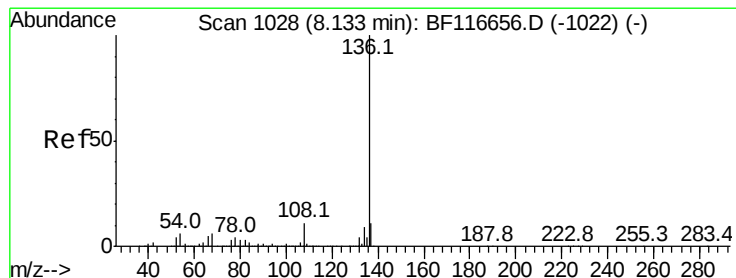
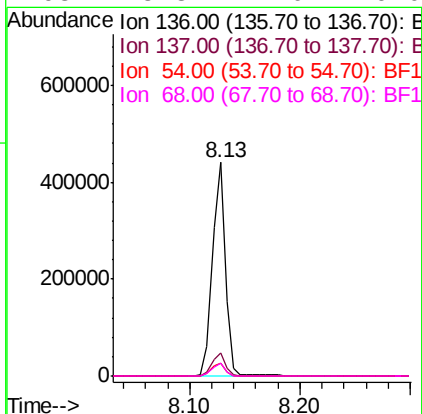
Instrument :
BNA_F
ClientSampleId :

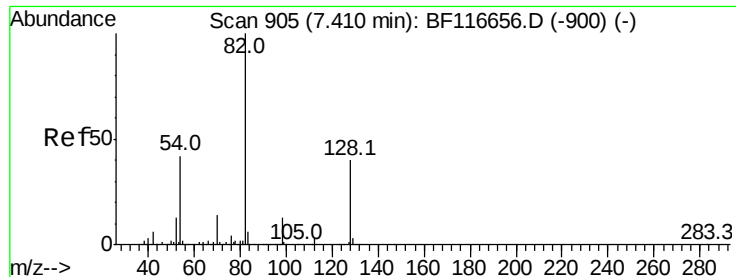
Tot Ion:	70	Resp:	54506
Ion	Ratio	Lower	Upper
70	100		
42	36.4	43.5	65.3#
101	0.0	7.8	11.6#
130	1.9	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion:	136	Resp:	353780
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.1	4.8	7.2
68	5.8	4.0	6.0

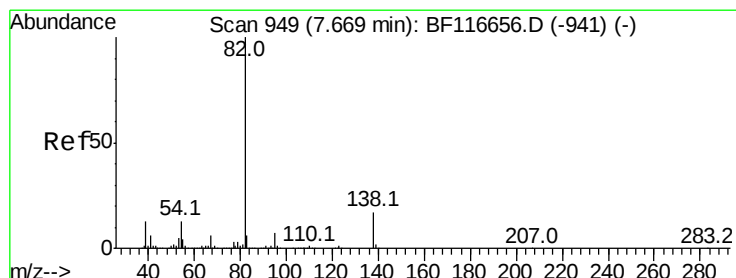
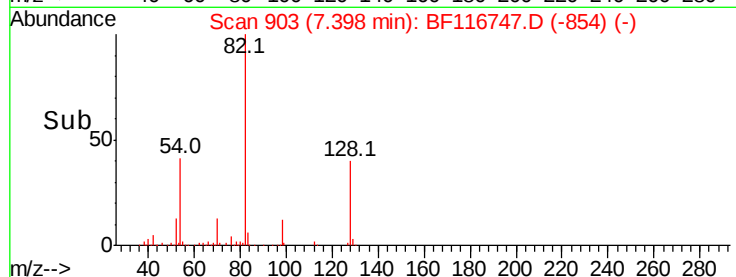
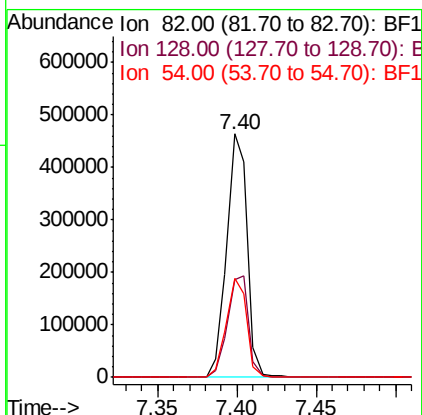
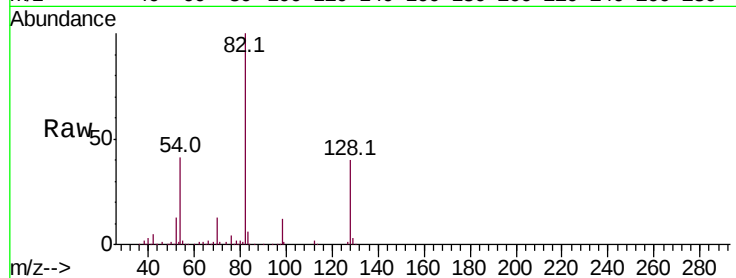




#23
 Nitrobenzene-d5
 Concen: 67.442 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF116747.D
 Acq: 1 Sep 2019 17:20

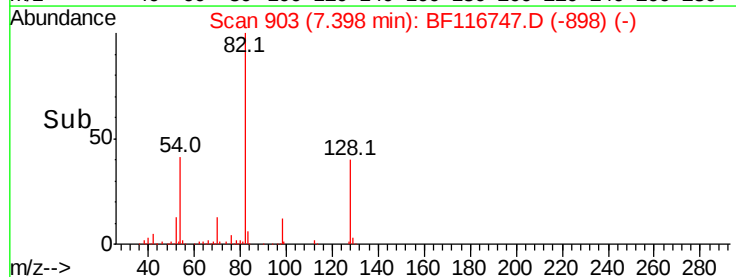
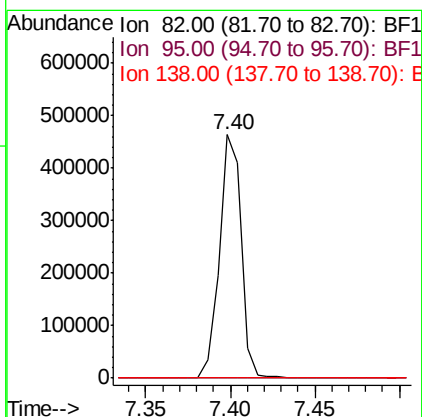
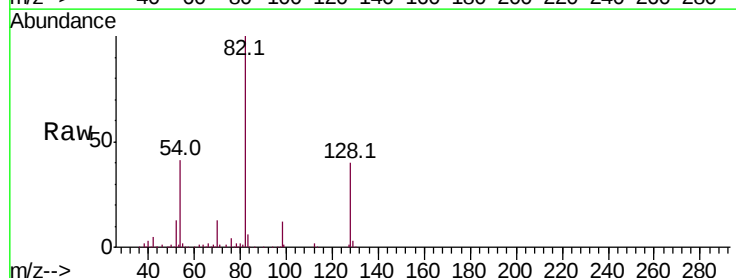
Instrument :
 BNA_F
 ClientSampleId :

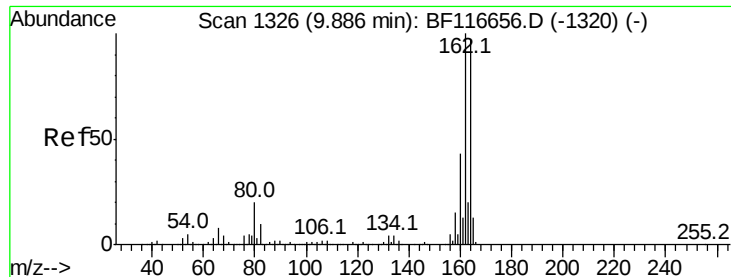
Tot Ion	82	Resp	417951
Ion Ratio	Lower	Upper	
82	100		
128	40.1	32.8	49.2
54	40.9	36.9	55.3



#25
 Isophorone
 Concen: 33.282 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.27 min
 Lab File: BF116747.D
 Acq: 1 Sep 2019 17:20

Tgt Ion	82	Resp	417941
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Instrument :

BNA_F

ClientSampleId :

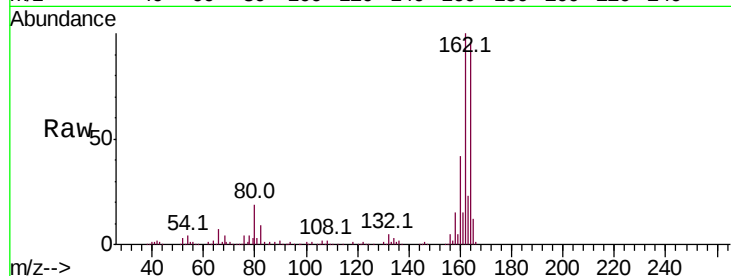
Tot Ion:164 Resp: 193332

Ion Ratio Lower Upper

164 100

162 104.6 81.4 122.0

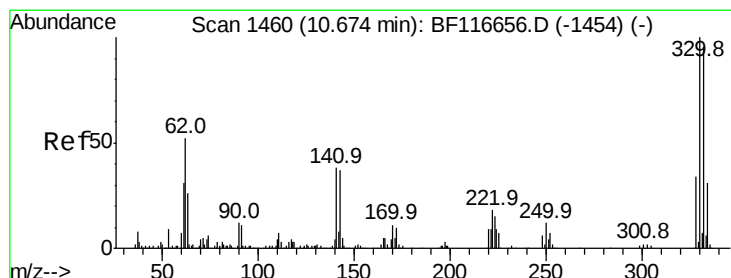
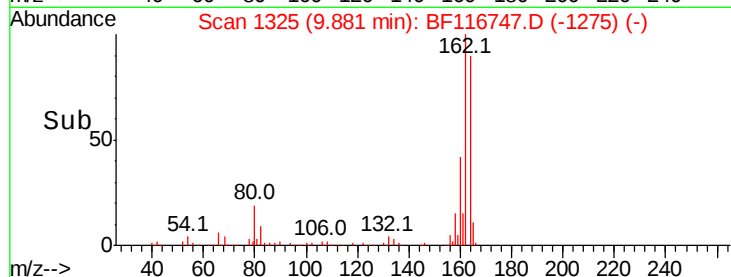
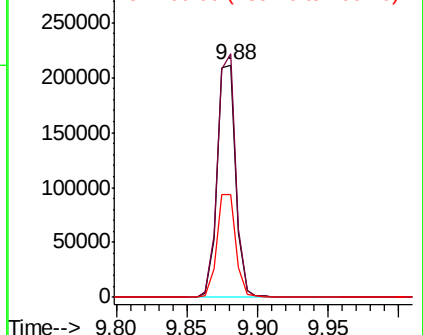
160 44.0 35.4 53.2



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: 111.696 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

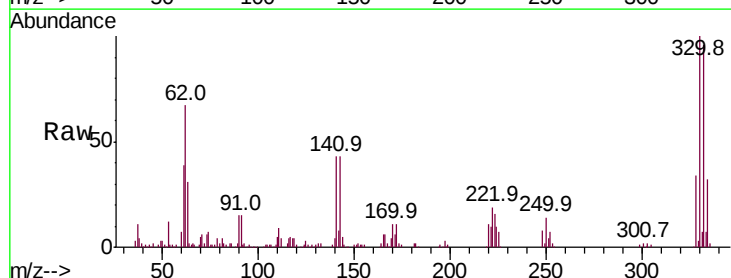
Tgt Ion:330 Resp: 144363

Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

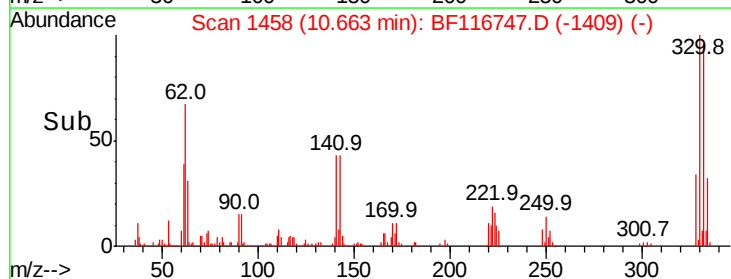
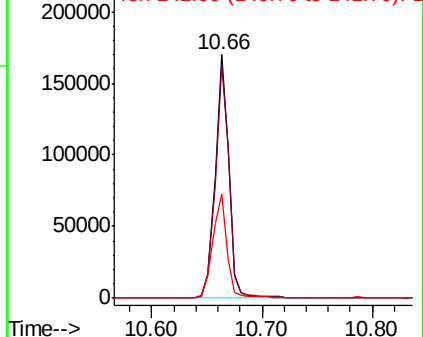
141 44.3 31.4 47.2

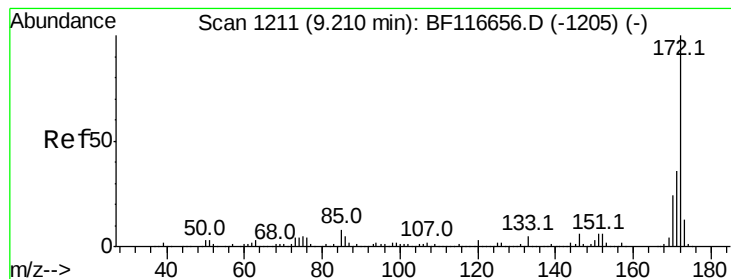


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 65.954 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Instrument :

BNA_F

ClientSampleId :

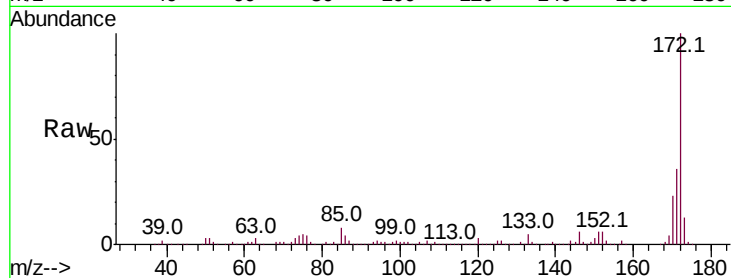
Tot Ion:172 Resp: 755886

Ion Ratio Lower Upper

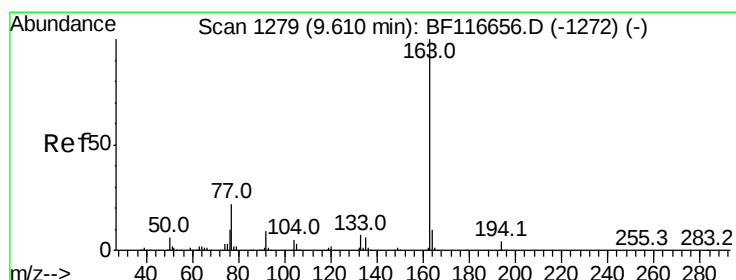
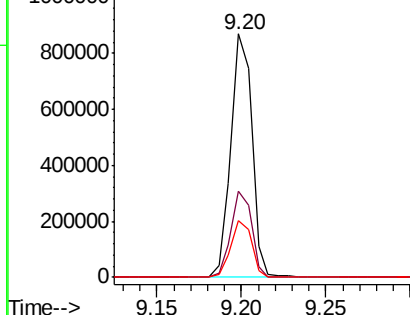
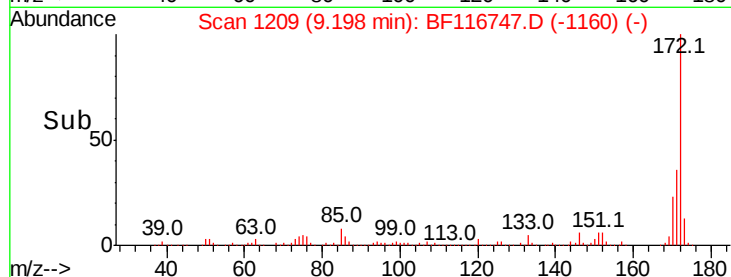
172 100

171 35.6 27.8 41.6

170 23.2 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: 9.101 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

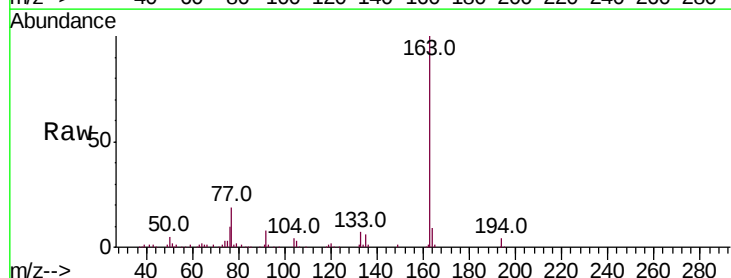
Tgt Ion:163 Resp: 121470

Ion Ratio Lower Upper

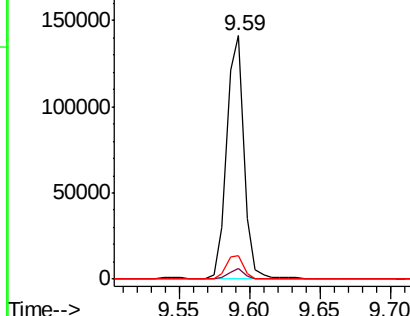
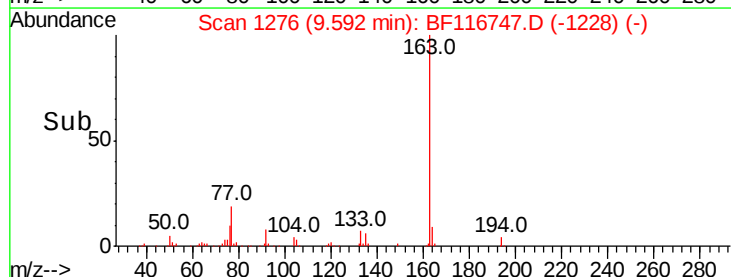
163 100

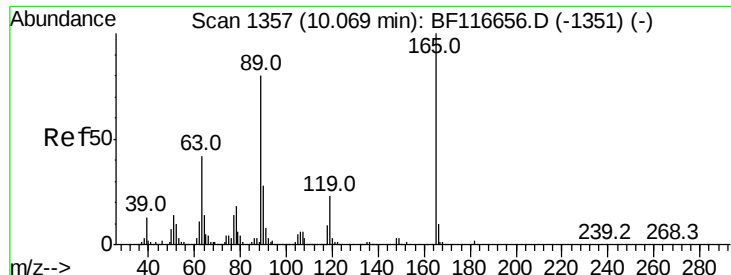
194 4.2 2.8 4.2#

164 9.4 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





#57
2,4-Dinitrotoluene
Concen: 7.858 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :

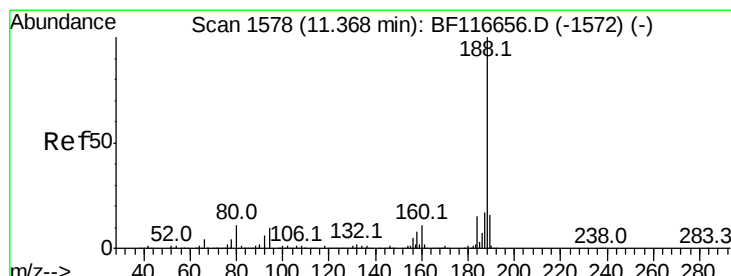
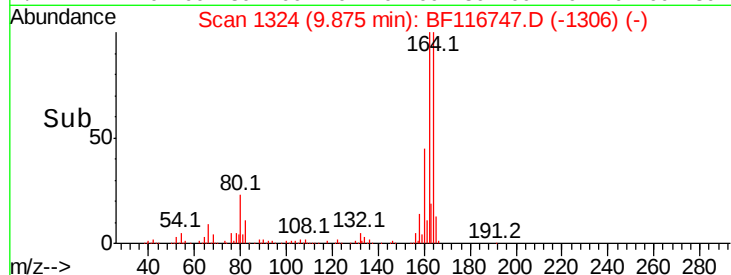
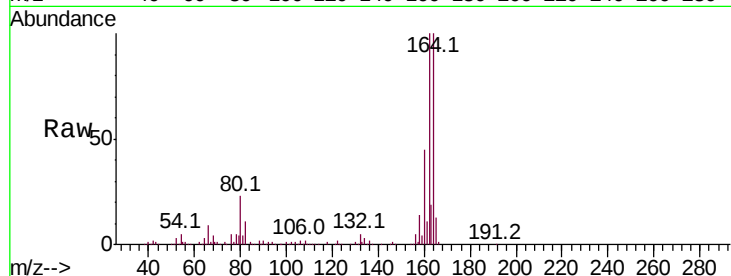
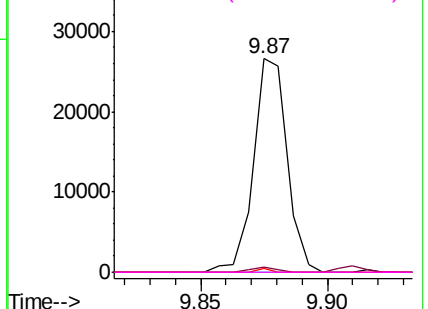
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.4	54.6#
89	1.6	62.6	94.0#
182	0.0	2.1	3.1#

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



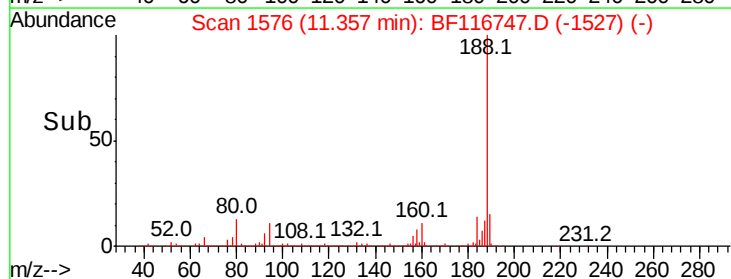
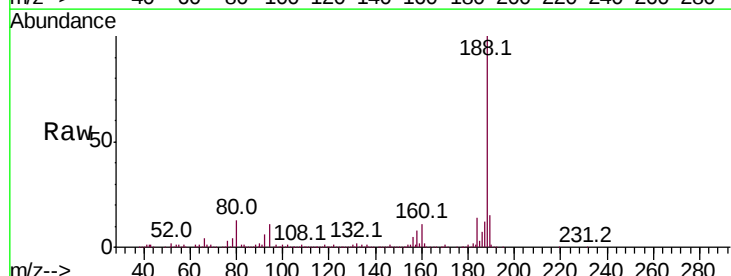
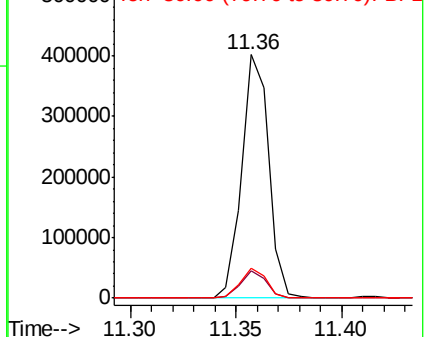
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

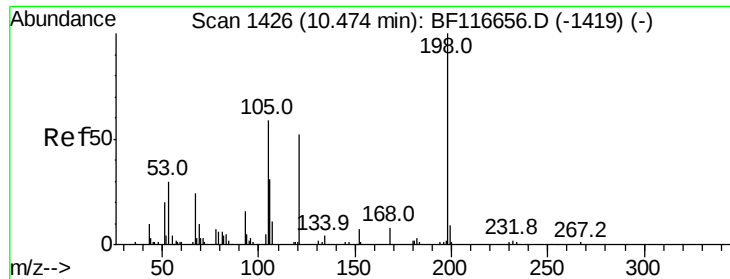
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	7.3	10.9#
80	12.5	8.4	12.6

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

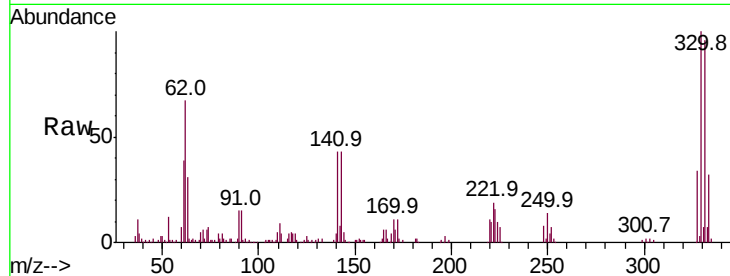




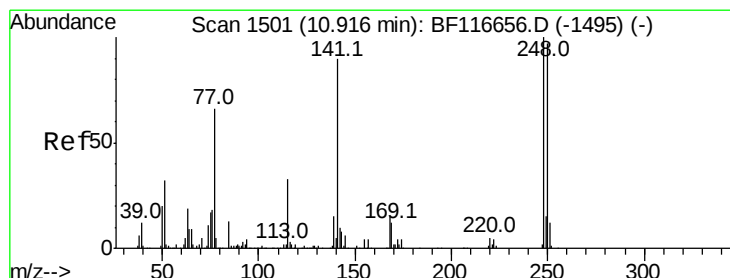
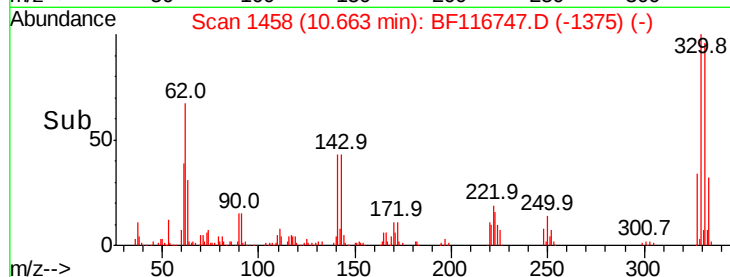
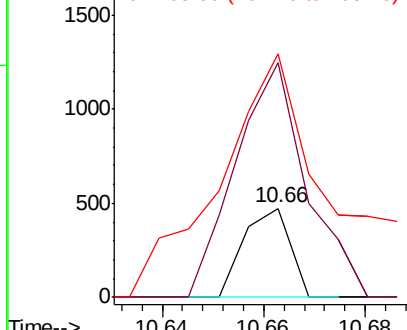
#65
4,6-Dinitro-2-methylphenol
Concen: 7.645 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 301
Ion Ratio Lower Upper
198 100
51 263.2 18.4 58.4#
105 273.6 22.9 62.9#

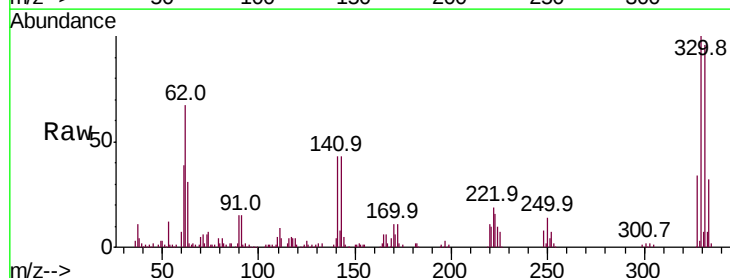


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

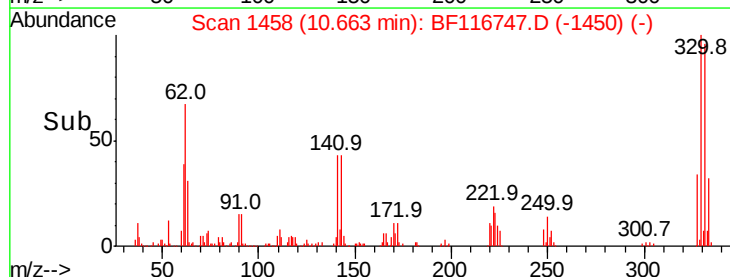
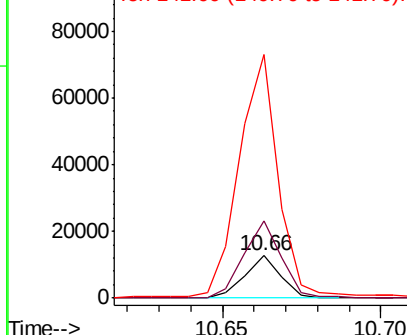


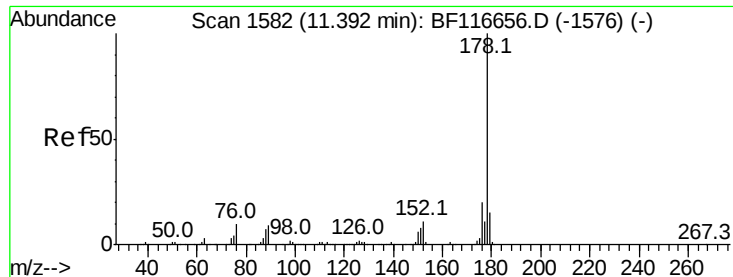
#67
4-Bromophenyl-phenylether
Concen: 2.724 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion:248 Resp: 9829
Ion Ratio Lower Upper
248 100
250 180.9 77.8 116.8#
141 571.3 75.9 113.9#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

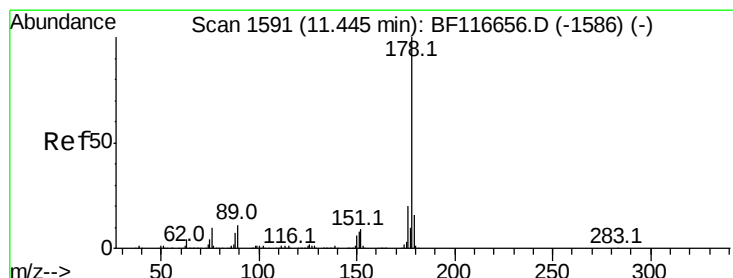
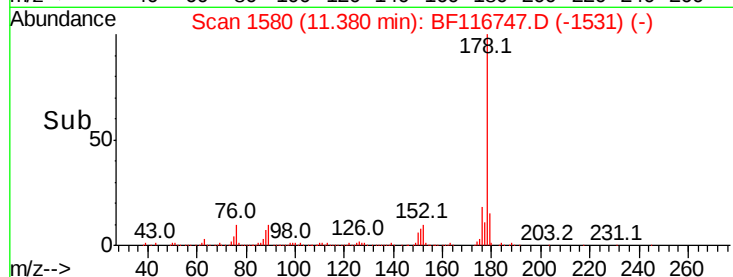
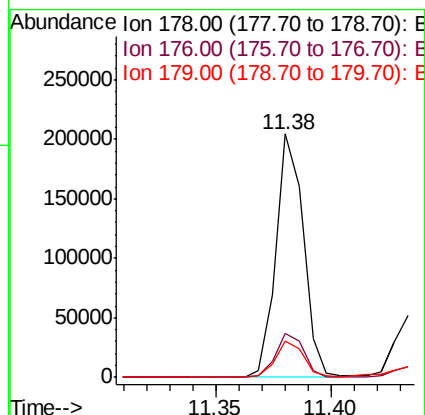
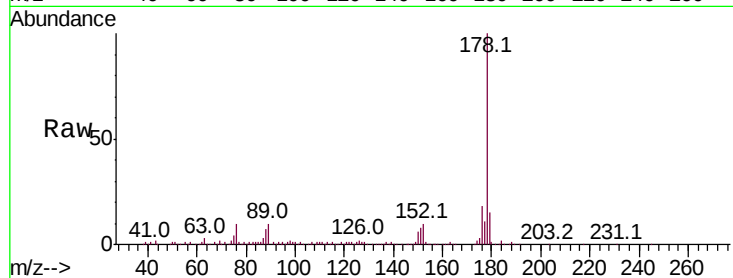




#71
Phenanthrene
Concen: 8.533 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

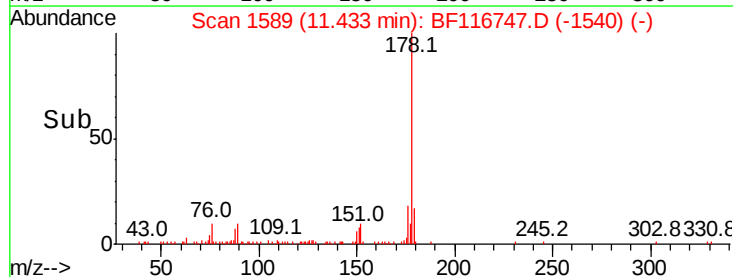
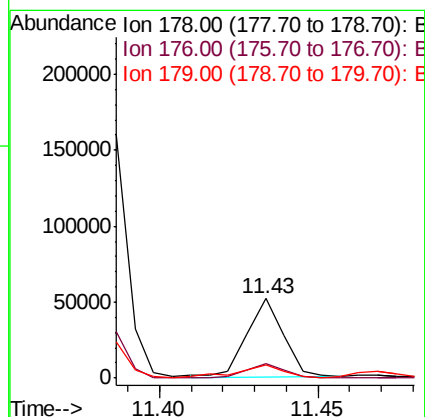
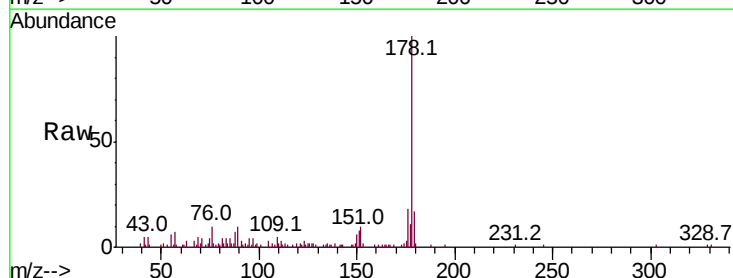
Instrument :
BNA_F
ClientSampleId :

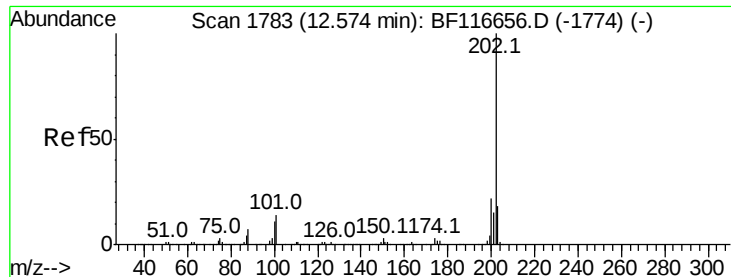
Tot Ion:178 Resp: 168719
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 14.8 12.2 18.2



#72
Anthracene
Concen: 2.072 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion:178 Resp: 41230
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 16.9 12.5 18.7





#75

Fluoranthene

Concen: 15.430 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116747.D

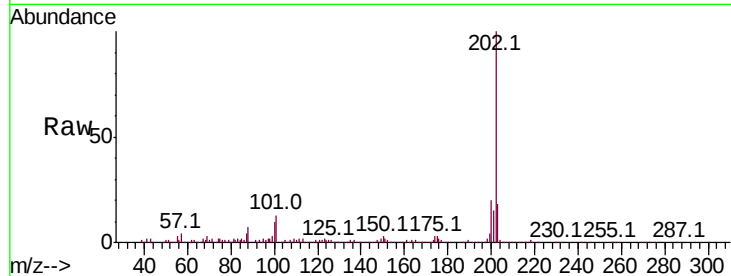
Acq: 1 Sep 2019 17:20

Instrument :

BNA_F

ClientSampled :

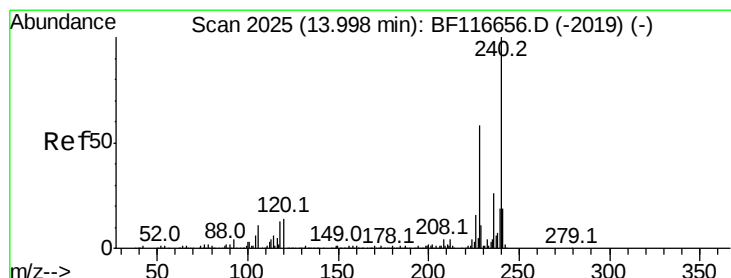
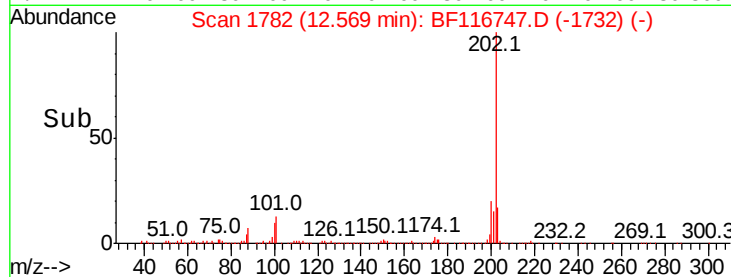
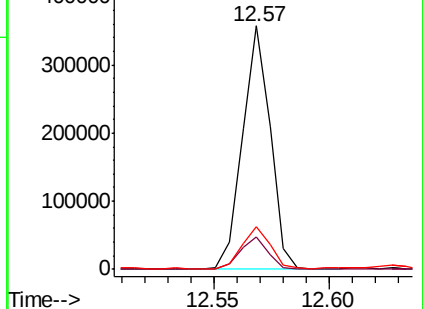
Tot Ion:	202	Resp:	299813
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.3
203	17.5	0.0	37.6



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

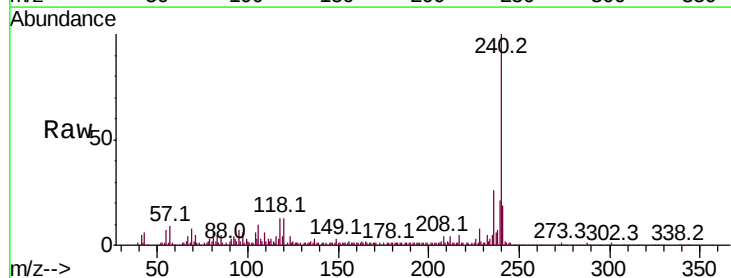
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

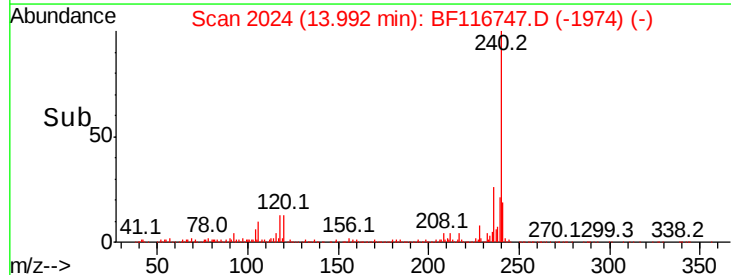
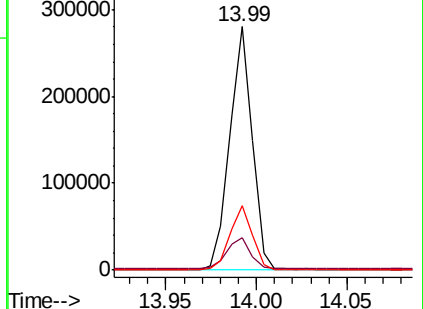
Tgt Ion:	240	Resp:	244242
Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.1	13.7
236	26.3	21.1	31.7

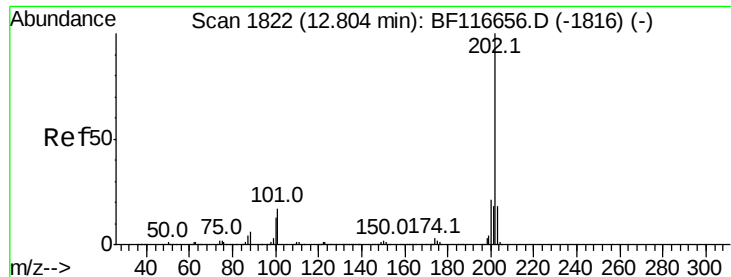


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

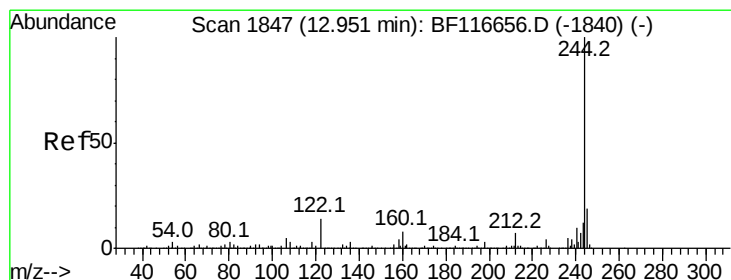
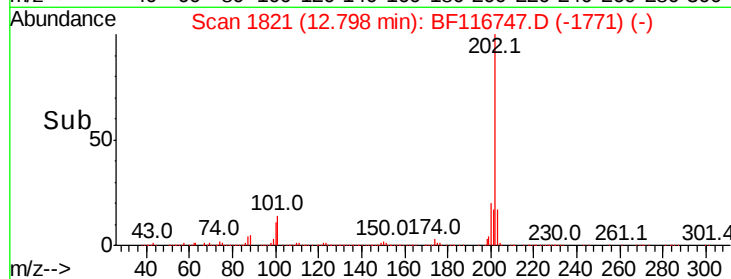
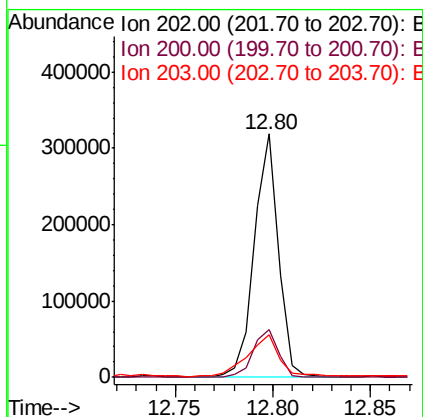
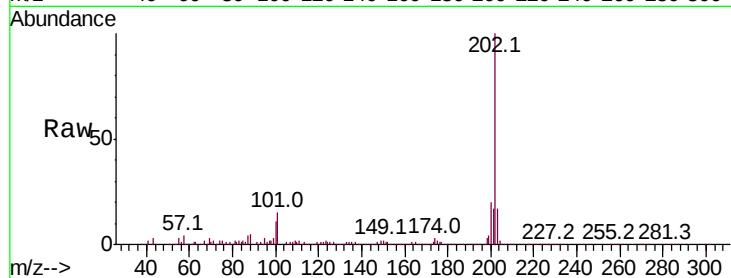




#78
Pvrene
Concen: 12.475 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

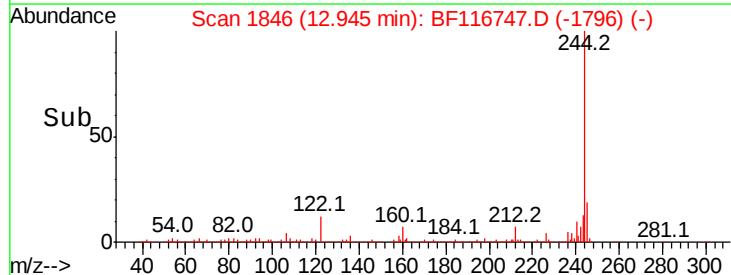
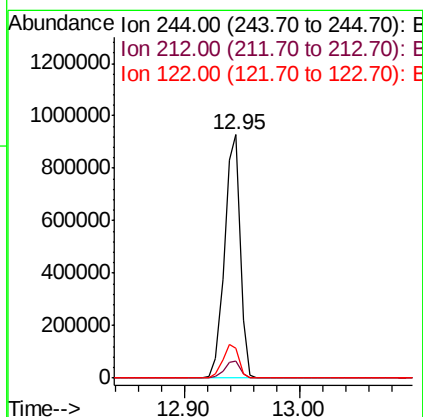
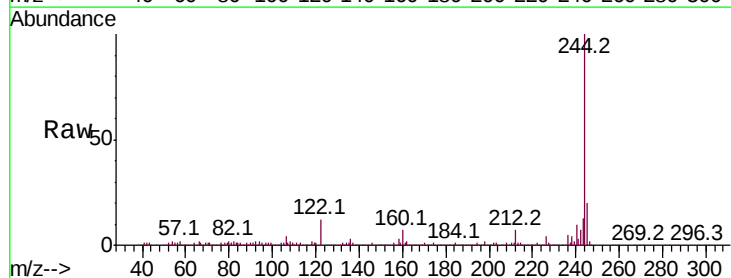
Instrument :
BNA_F
ClientSampleId :

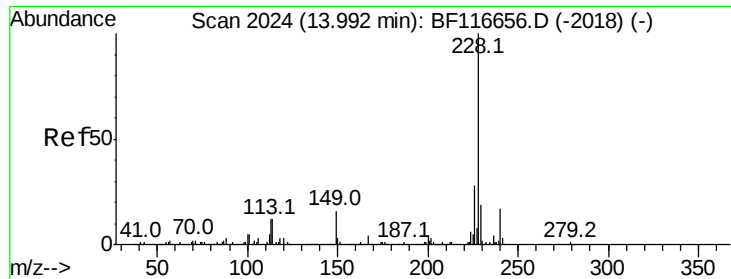
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.5	24.7
203	17.4	13.7	20.5



#79
Terphenyl-d14
Concen: 65.792 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	12.4	10.2	15.4

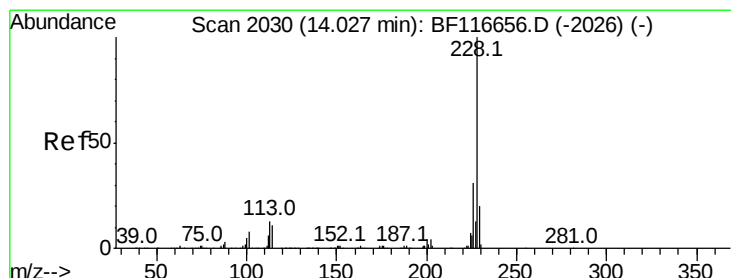
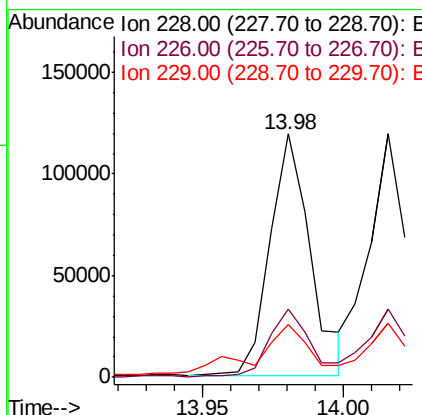
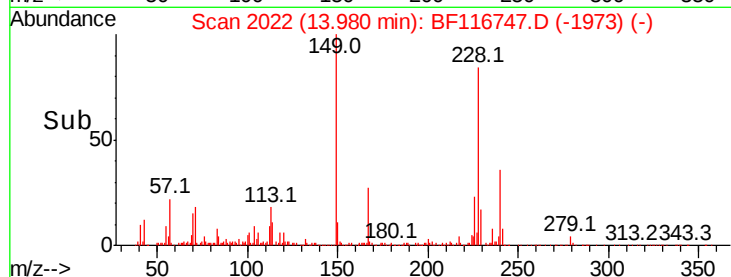
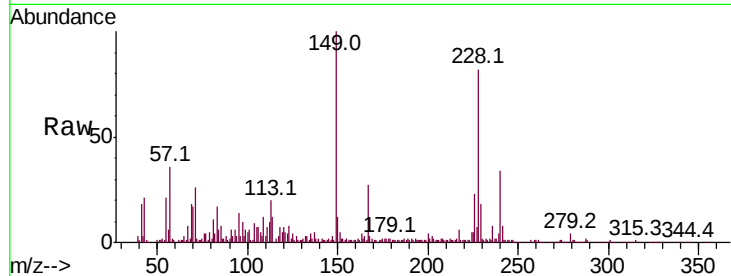




#81
Benzo(a)anthracene
Concen: 7.672 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

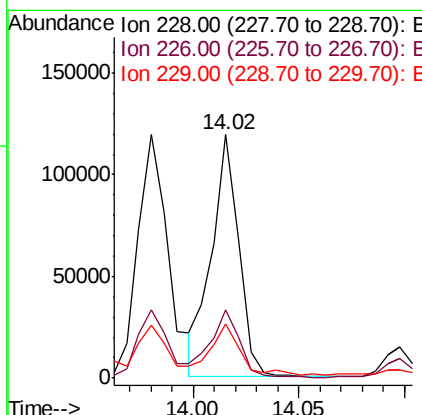
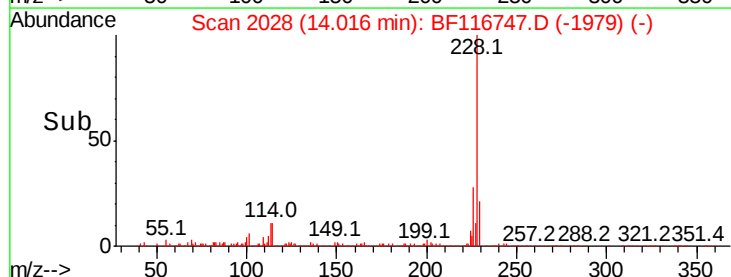
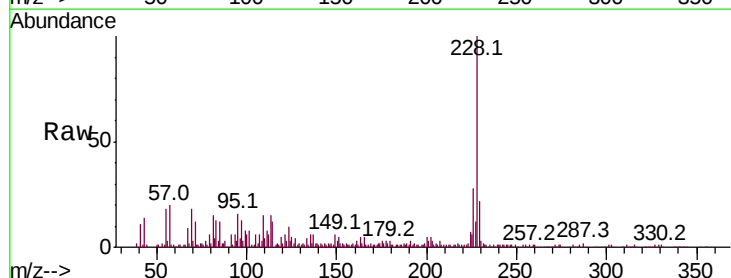
Instrument :
BNA_F
ClientSampleId :

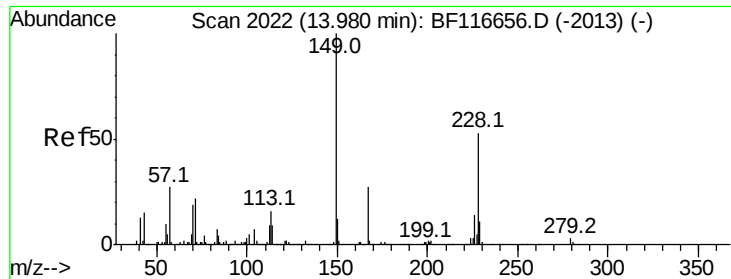
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.0	33.0
229	21.8	16.4	24.6



#83
Chrysene
Concen: 6.778 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.0	36.0
229	22.4	15.4	23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 12.158 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Instrument :

BNA_F

ClientSampled :

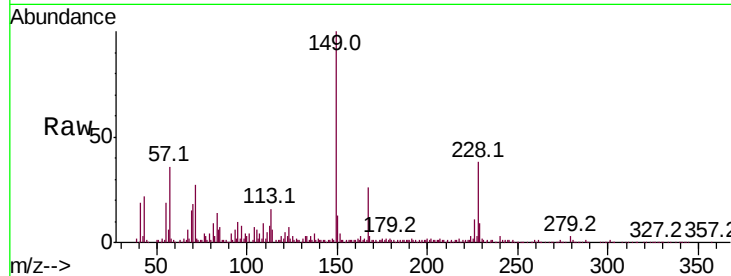
Tot Ion:149 Resp: 158457

Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

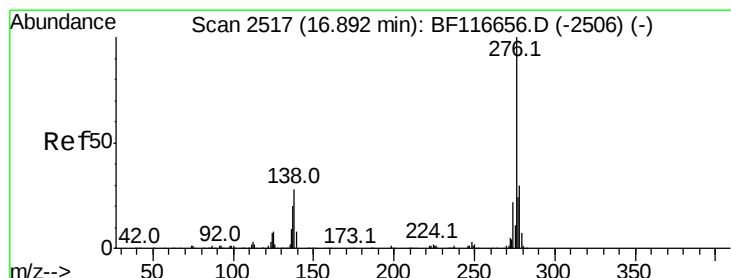
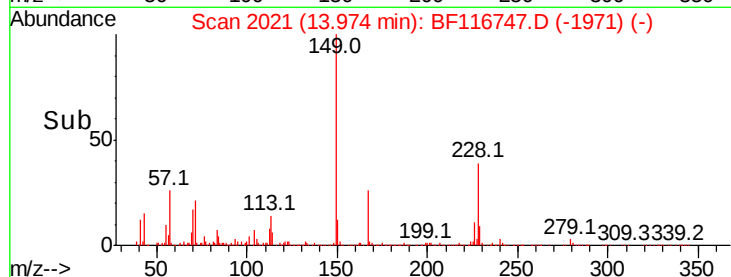
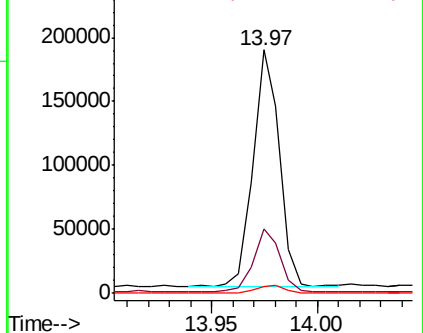
279 3.0 2.8 4.2



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: 4.684 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

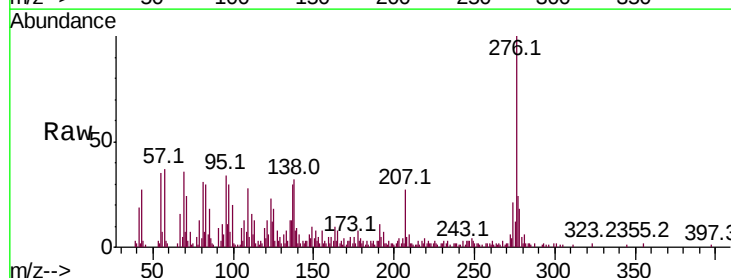
Tgt Ion:276 Resp: 59911

Ion Ratio Lower Upper

276 100

138 28.8 19.4 29.2

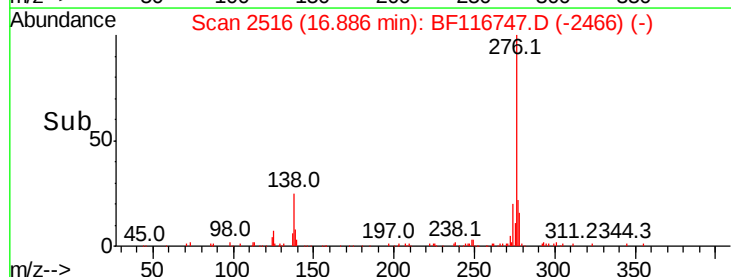
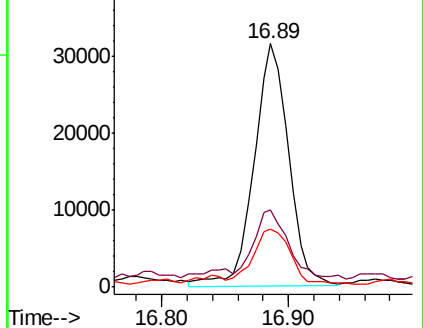
277 24.5 20.5 30.7

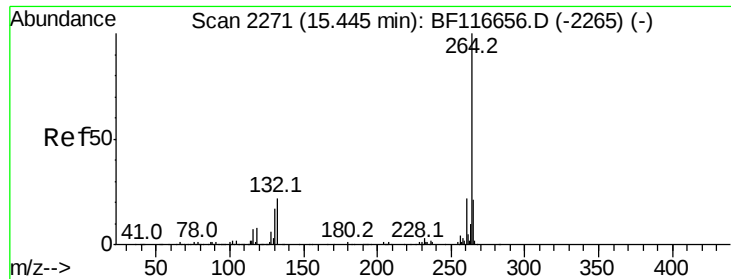


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.45 min Scan# 2272

Delta R.T. 0.01 min

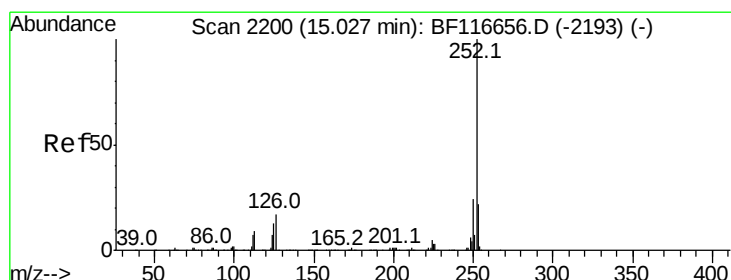
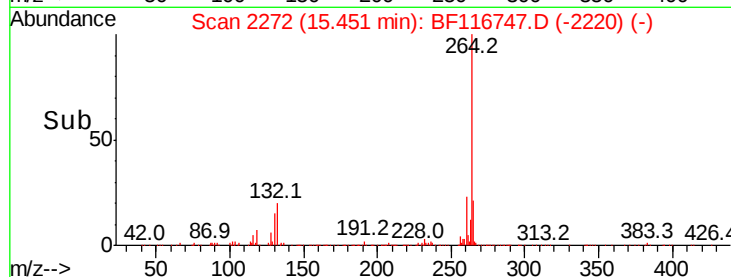
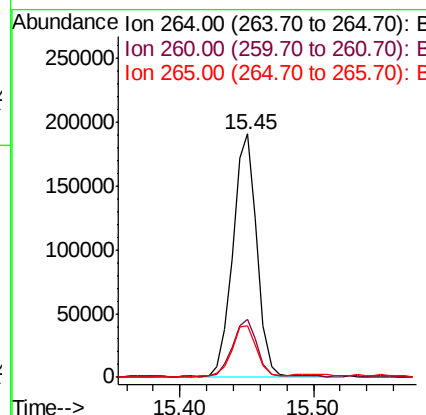
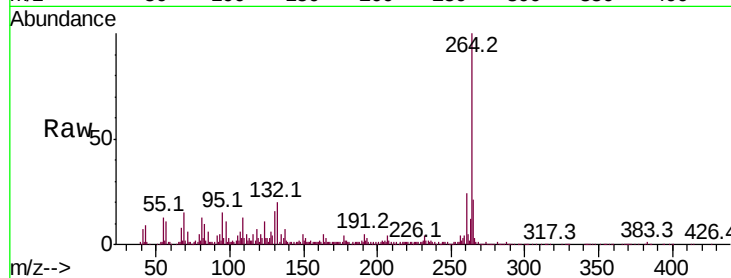
Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 239977

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	21.3	16.5	24.7



#88

Benzo(b)fluoranthene

Concen: 11.767 ng

RT: 15.02 min Scan# 2199

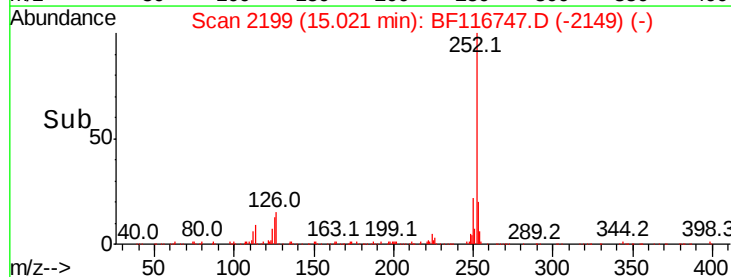
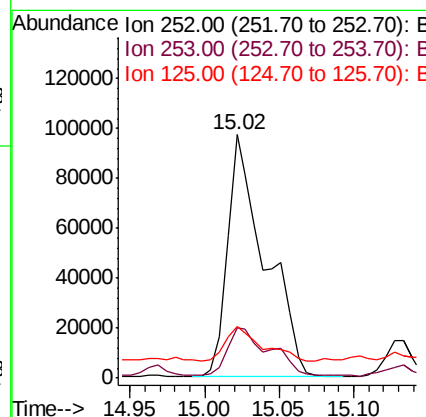
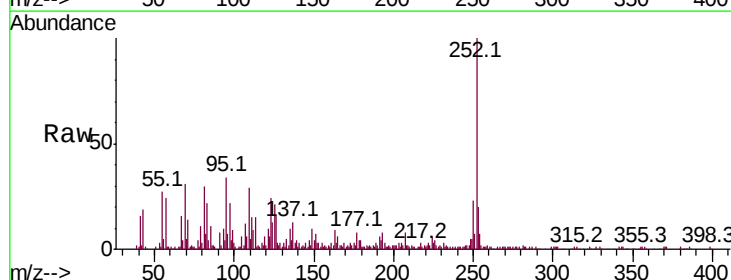
Delta R.T. -0.01 min

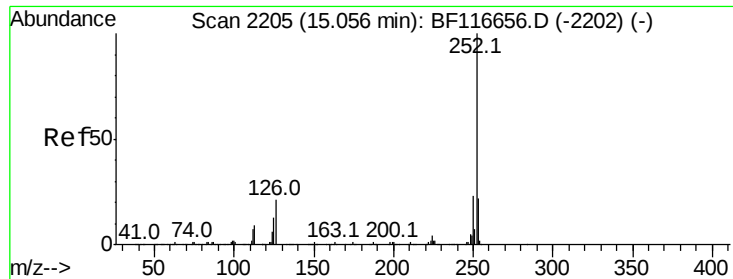
Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Tgt Ion:252 Resp: 170719

Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.7	26.5
125	21.1	8.2	12.2#

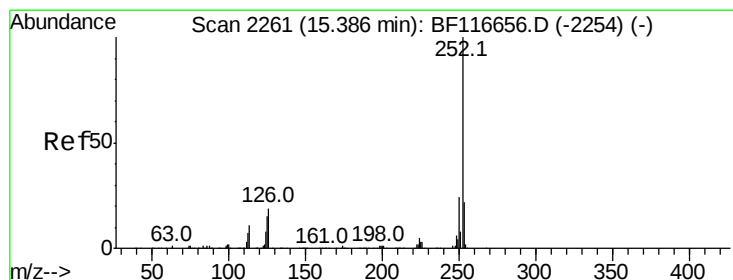
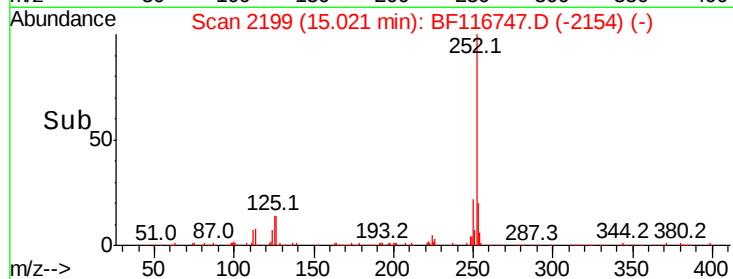
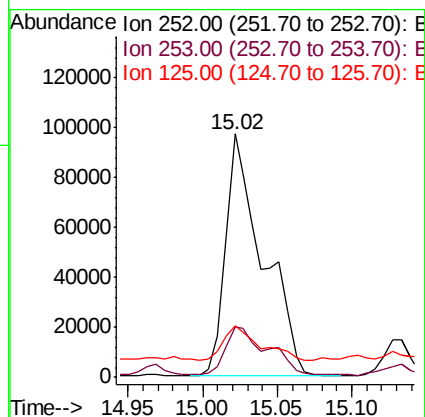
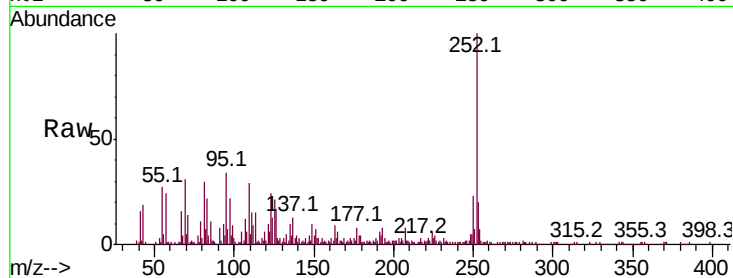




#89
Benzo(k)fluoranthene
Concen: 12.905 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

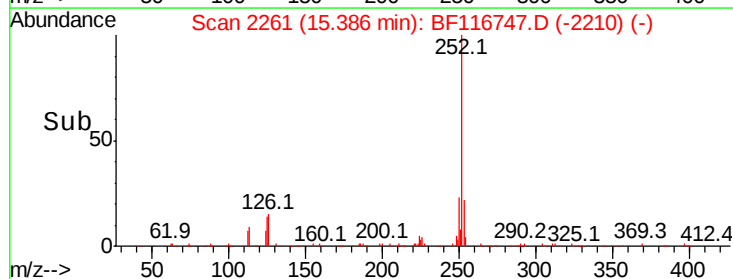
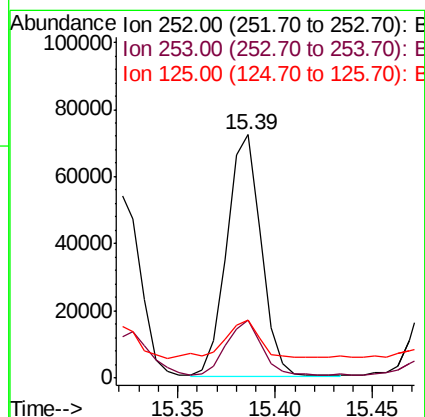
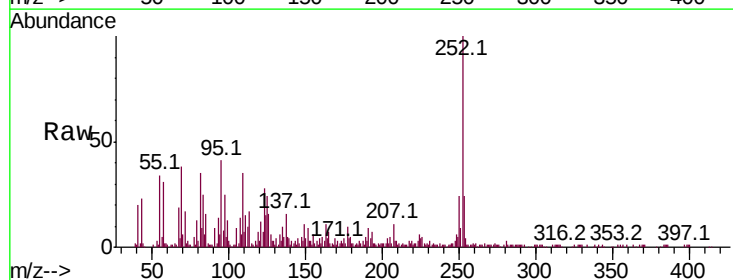
Instrument :
BNA_F
ClientSampleId :

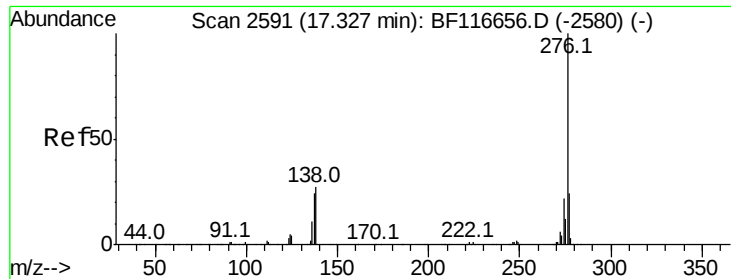
Tot Ion:252 Resp: 170719
Ion Ratio Lower Upper
252 100
253 20.5 17.7 26.5
125 21.1 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 6.999 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion:252 Resp: 88350
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 23.7 9.8 14.8#

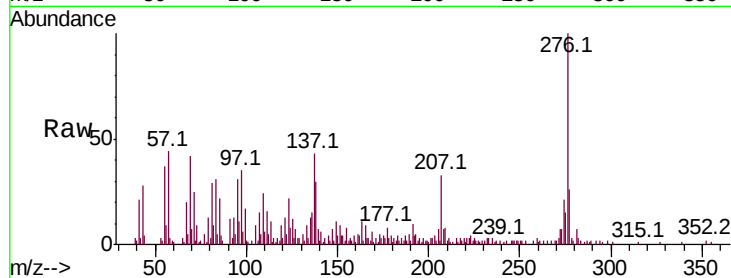




#92
 Benzo(a,h,i)perylene
 Concen: 5.115 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: BF116747.D
 Acq: 1 Sep 2019 17:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.5	27.7
138	30.2	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

