

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116781.D
 Acq On : 3 Sep 2019 19:12
 Operator : HP/JU
 Sample : K4554-41
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 06:02:59 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	131357	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	519316	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	262397	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	421119	20.00	ng	0.00
76) Chrysene-d12	13.99	240	286142	20.00	ng	0.00
87) Perylene-d12	15.45	264	323826	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	819768	101.10	ng	0.00
7) Phenol-d6	6.48	99	1098837	103.21	ng	0.00
23) Nitrobenzene-d5	7.40	82	668459	73.48	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	222972	127.11	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1067784	68.65	ng	0.00
79) Terphenyl-d14	12.95	244	909213	58.78	ng	0.00

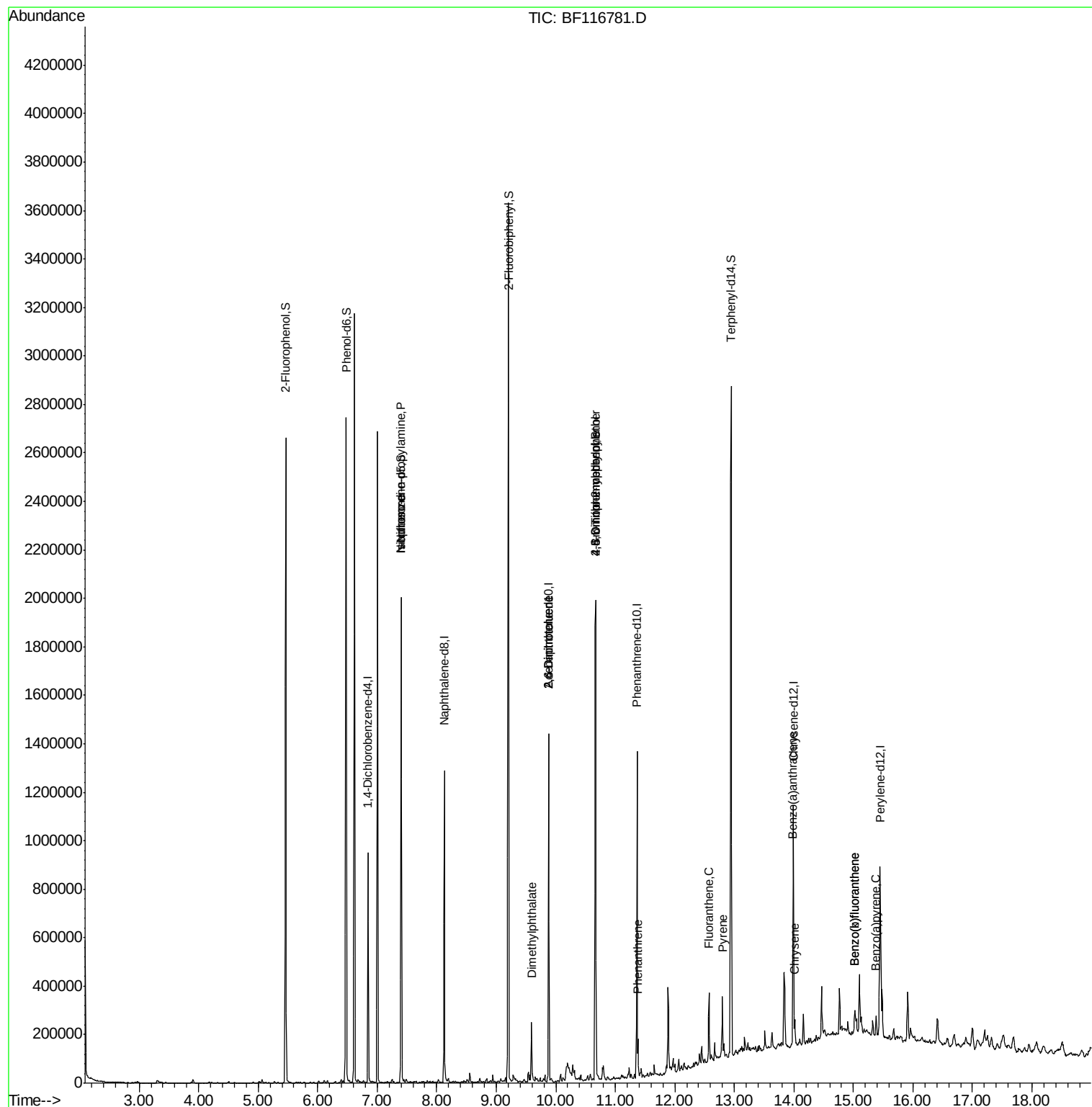
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	85518	12.199	ng	# 74
25) Isophorone	7.40	82	666153	36.138	ng	# 66
50) Dimethylphthalate	9.59	163	84839	4.683	ng	# 98
51) 2,6-Dinitrotoluene	9.88	165	34034	9.847	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	34034	8.053	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	434	7.687	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	14359	3.356	ng	# 1
71) Phenanthrene	11.39	178	56940	2.429	ng	97
75) Fluoranthene	12.57	202	94121	4.085	ng	98
78) Pyrene	12.80	202	85834	3.374	ng	99
81) Benzo(a)anthracene	13.98	228	40628	2.243	ng	99
83) Chrysene	14.02	228	38275	2.051	ng	95
88) Benzo(b)fluoranthene	15.02	252	67182	3.431	ng	# 91
89) Benzo(k)fluoranthene	15.02	252	67182	3.764	ng	# 92
90) Benzo(a)pyrene	15.38	252	37492	2.201	ng	# 94

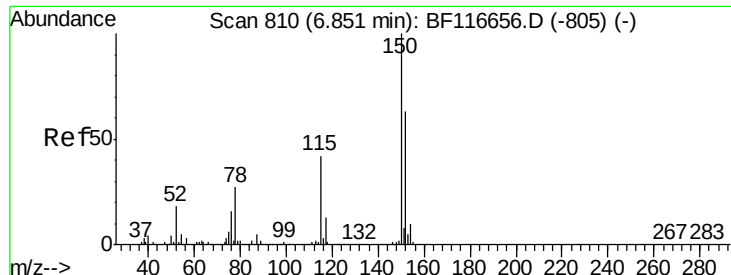
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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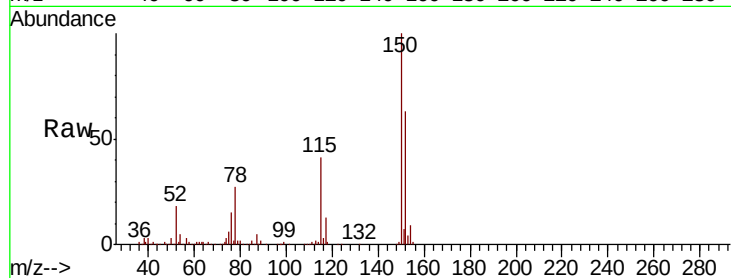


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.4	186.6
115	64.1	49.9	74.9

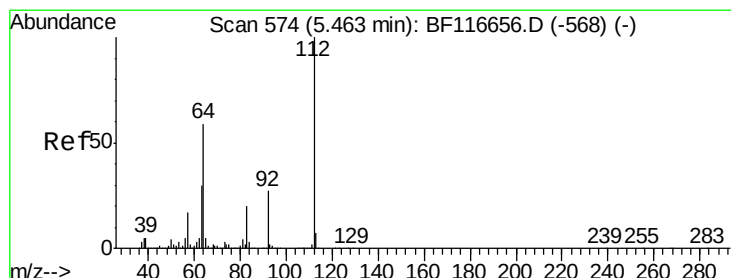
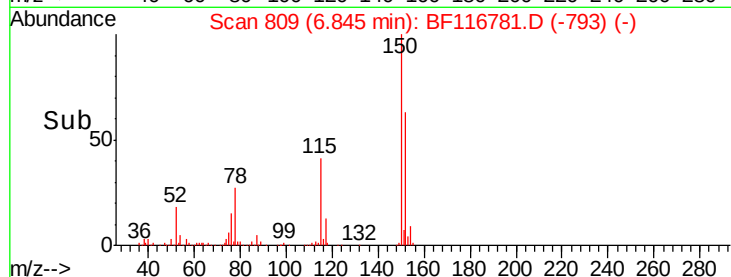
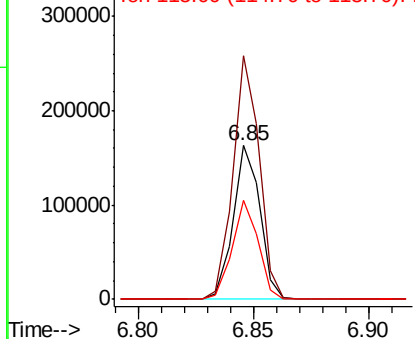


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

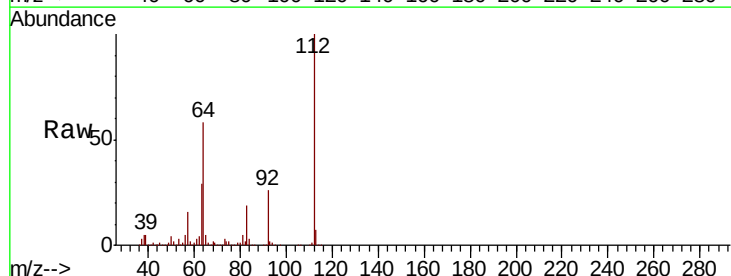
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.104 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.1	70.7
63	29.0	24.9	37.3

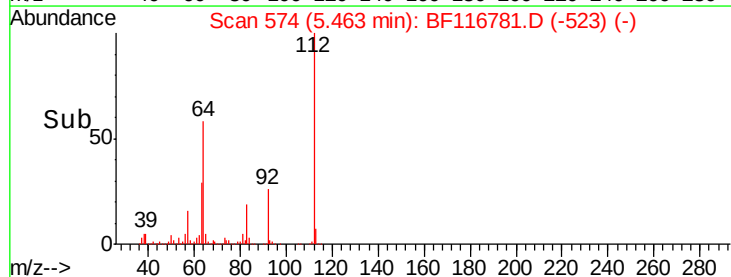
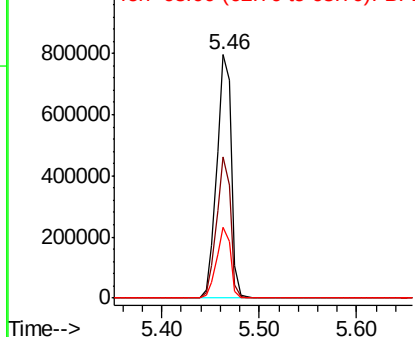


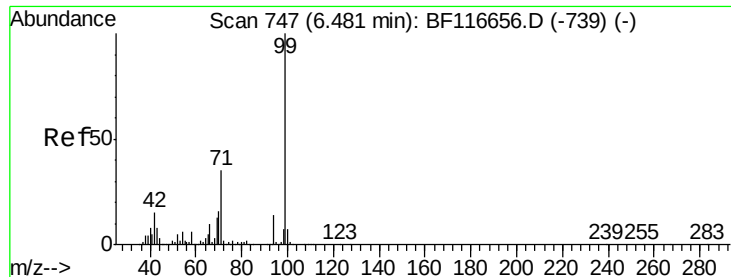
Abundance

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: 103.207 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

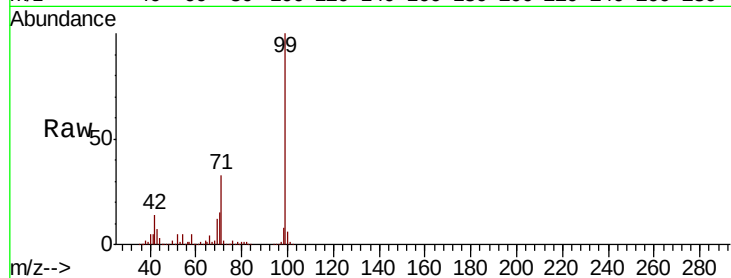
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1098837

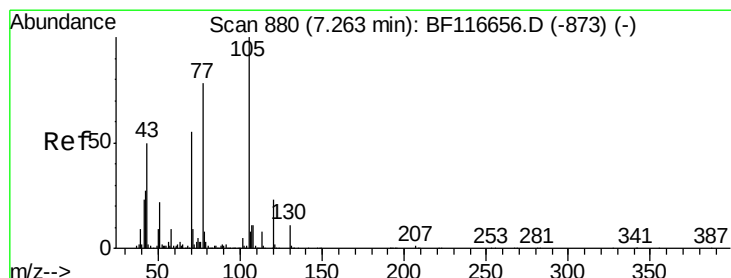
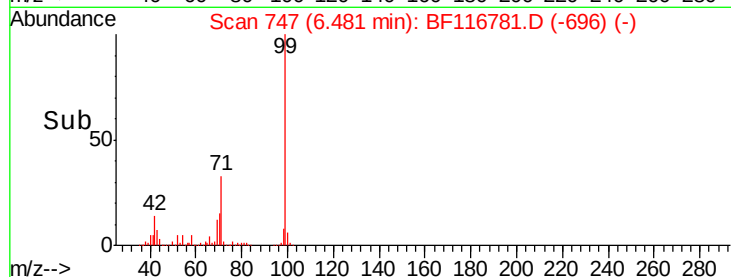
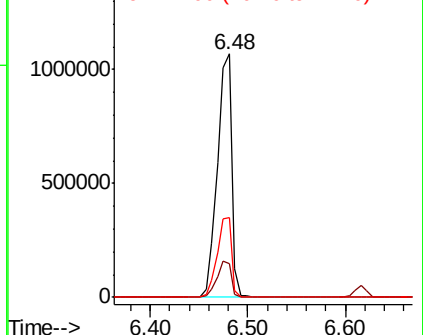
Ion	Ratio	Lower	Upper
99	100		
42	13.6	13.7	20.5#
71	32.5	30.8	46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.199 ng

RT: 7.40 min Scan# 904

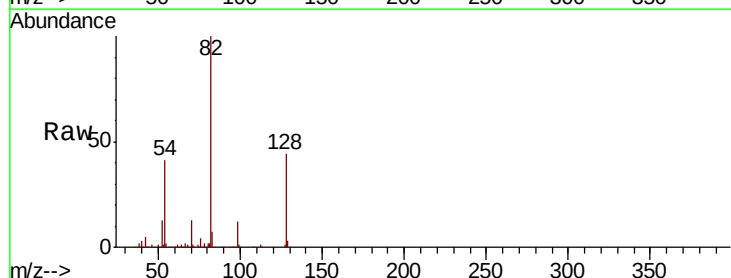
Delta R.T. 0.14 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

Tgt Ion: 70 Resp: 85518

Ion	Ratio	Lower	Upper
70	100		
42	39.0	43.5	65.3#
101	0.0	7.8	11.6#
130	2.6	16.6	24.8#

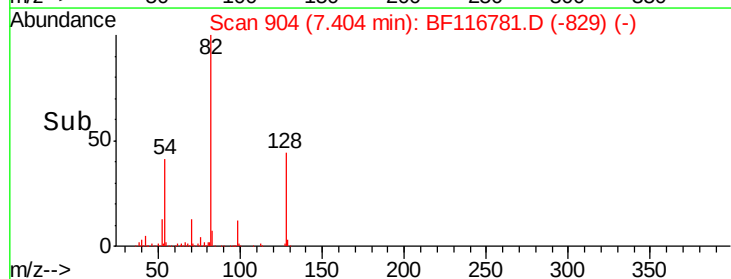
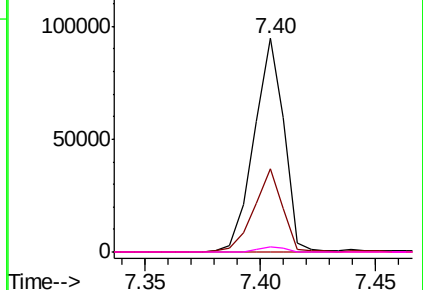


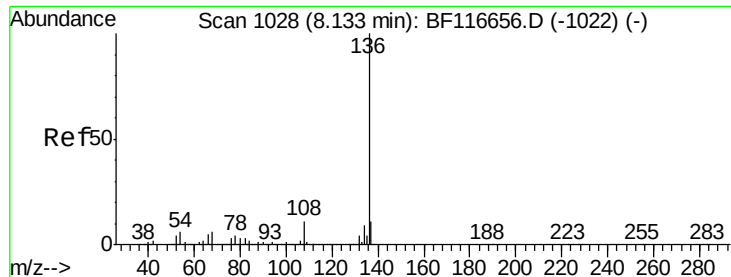
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

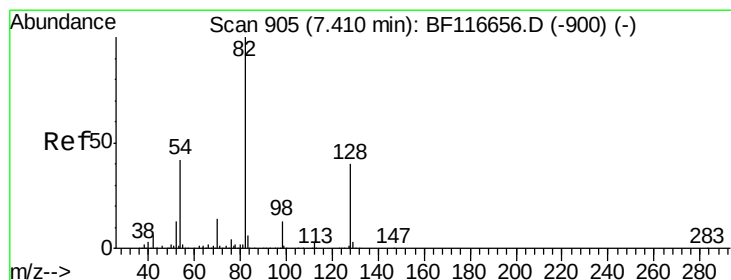
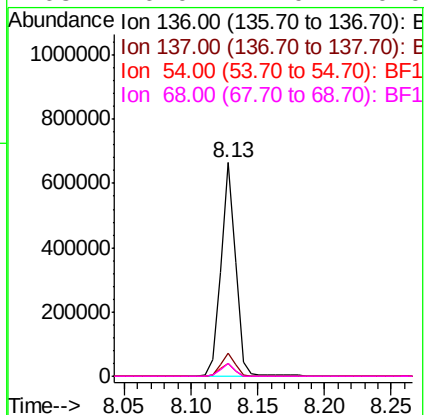
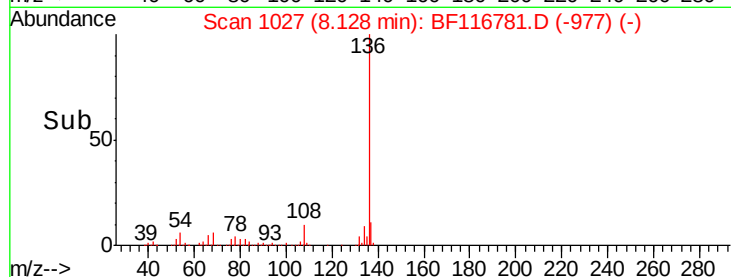
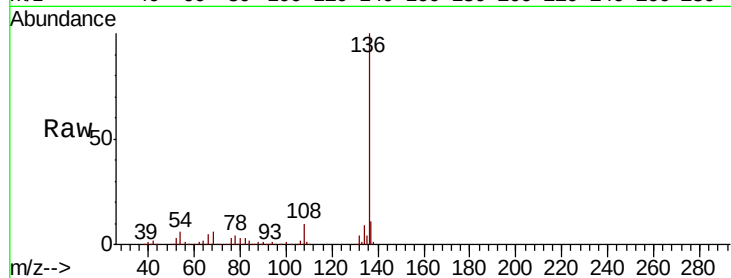




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

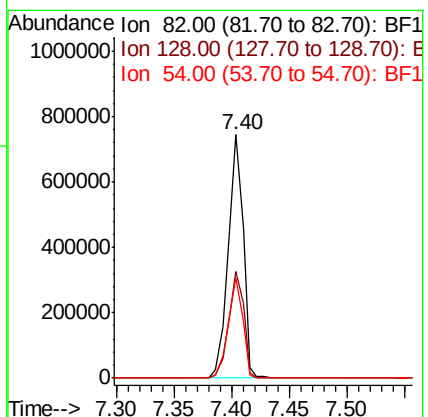
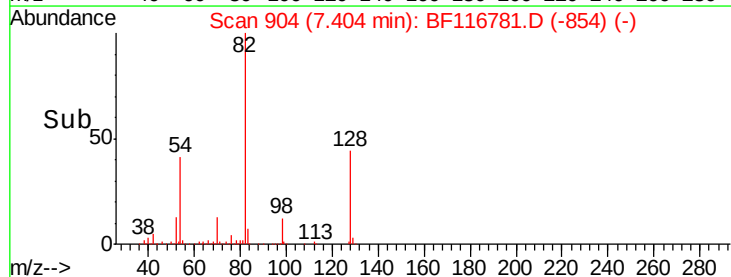
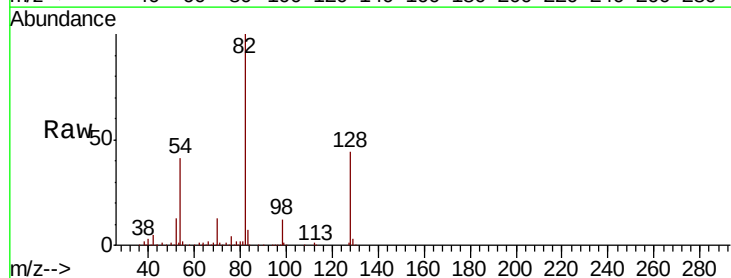
Instrument :
BNA_F
ClientSampleId :

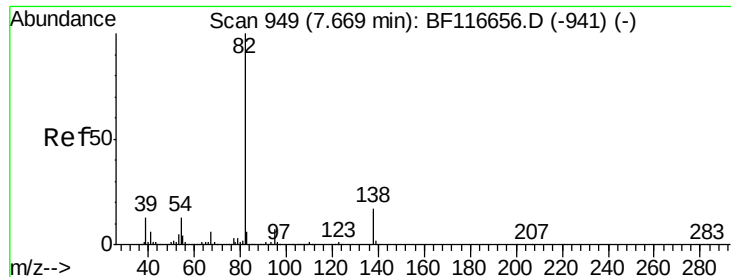
Tot Ion:136	Resp:	519316
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	5.9	4.8 7.2
68	6.0	4.0 6.0#



#23
Nitrobenzene-d5
Concen: 73.482 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion: 82	Resp:	668459
Ion Ratio	Lower	Upper
82	100	
128	44.0	32.8 49.2
54	41.0	36.9 55.3





#25

Isophorone

Concen: 36.138 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

Instrument :

BNA_F

ClientSampleId :

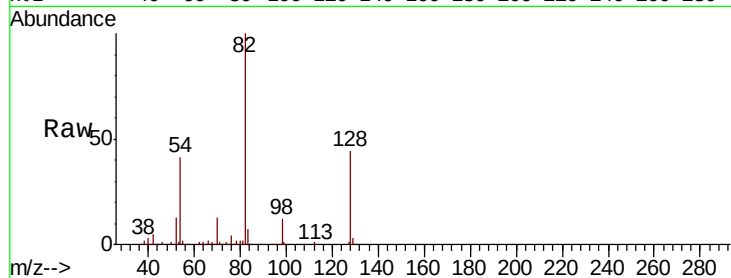
Tot Ion: 82 Resp: 666153

Ion Ratio Lower Upper

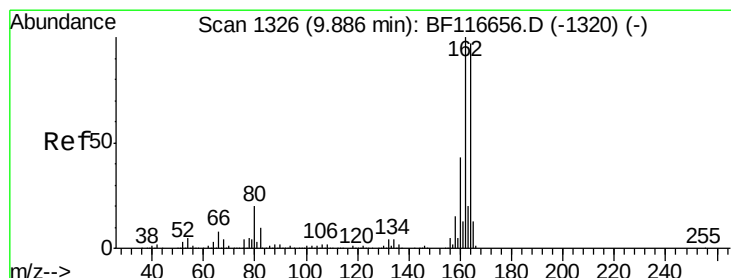
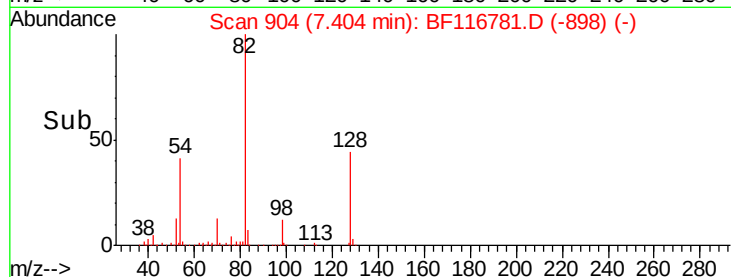
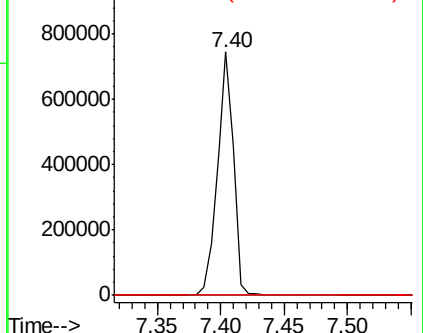
82 100

95 0.1 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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

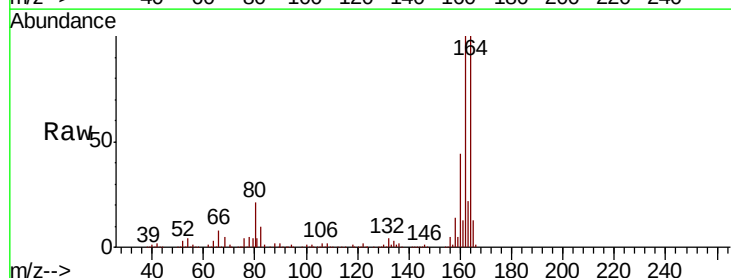
Tgt Ion: 164 Resp: 262397

Ion Ratio Lower Upper

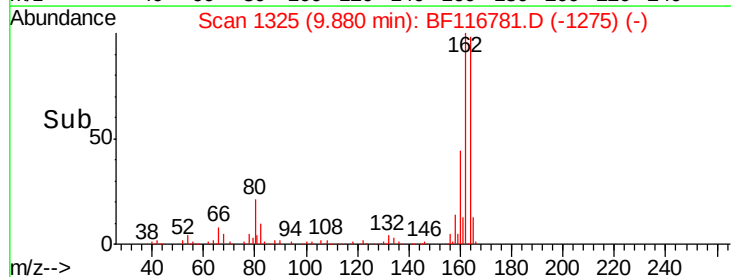
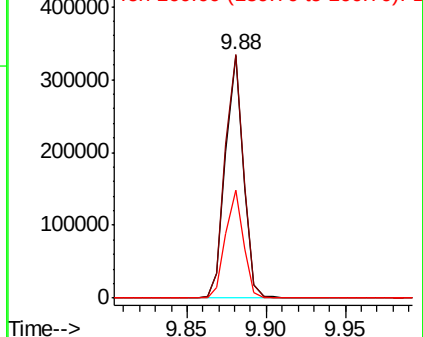
164 100

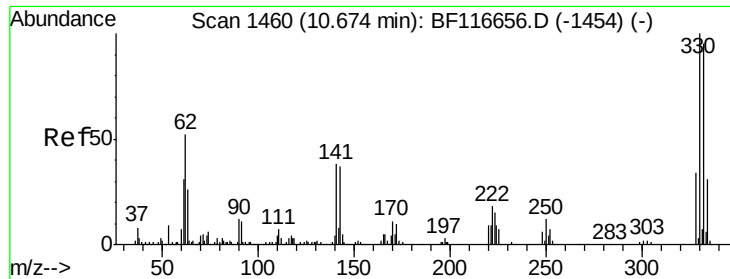
162 100.3 81.4 122.0

160 44.3 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

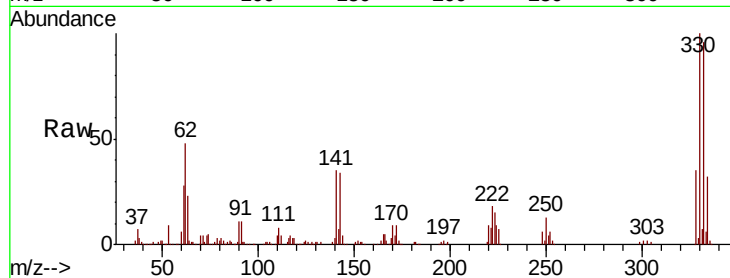




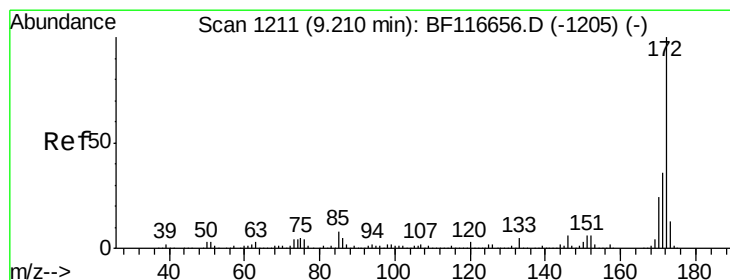
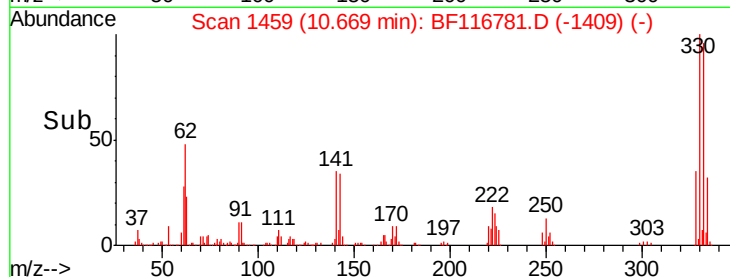
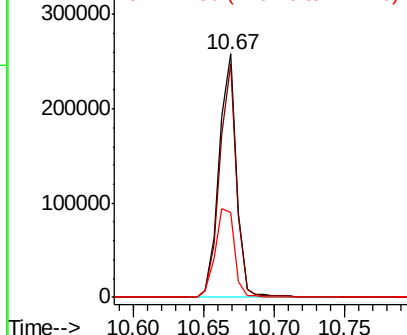
#42
 2,4,6-Tribromophenol
 Concen: 127.109 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.9	115.3
141	41.1	31.4	47.2

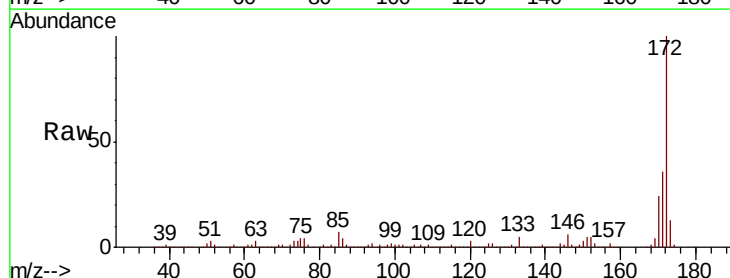


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

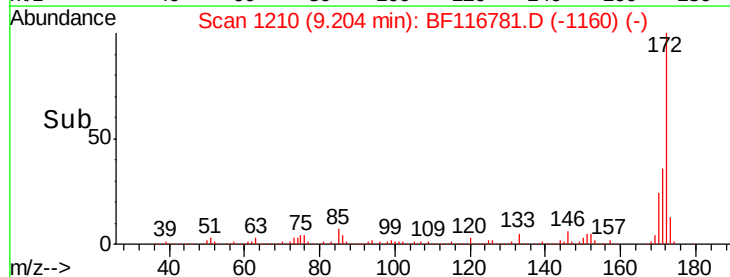
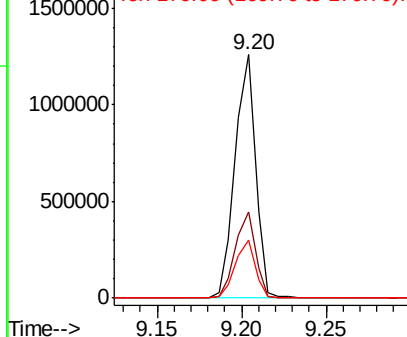


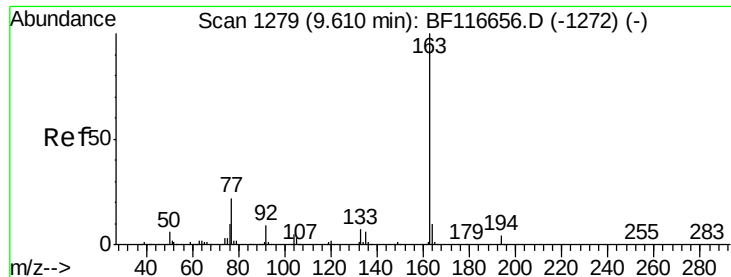
#45
 2-Fluorobiphenyl
 Concen: 68.646 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	23.7	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: 4.683 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116781.D

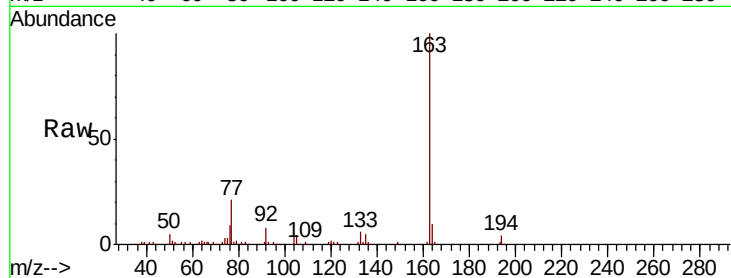
Acq: 3 Sep 2019 19:12

Instrument :

BNA_F

ClientSampleId :

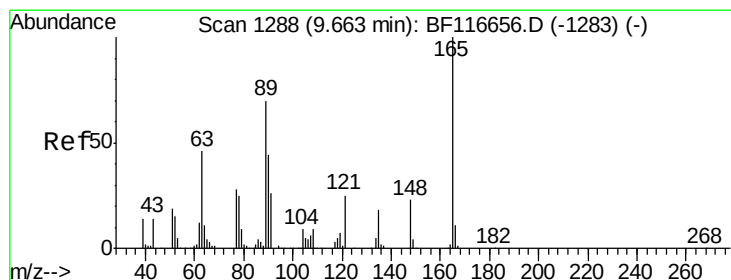
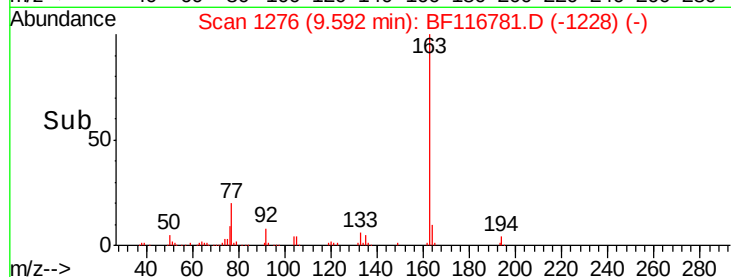
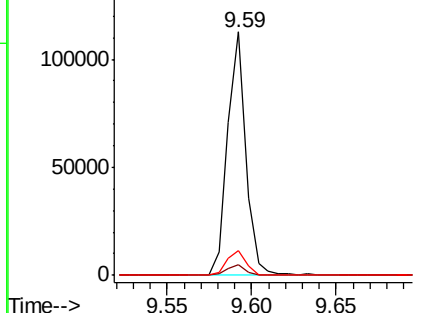
Tot Ion:163	Resp:	84839
Ion Ratio	Lower	Upper
163	100	
194	4.3	2.8 4.2#
164	10.0	8.6 12.8



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: 9.847 ng

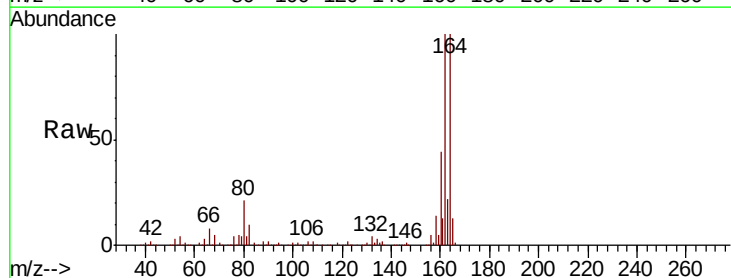
RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

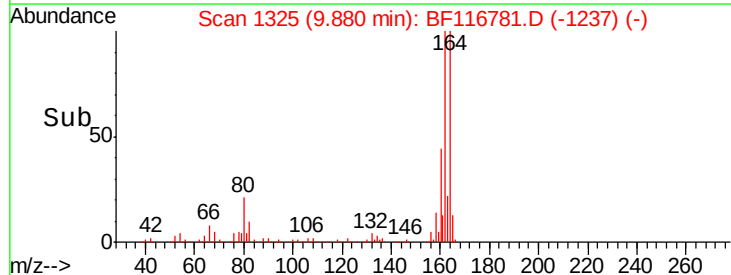
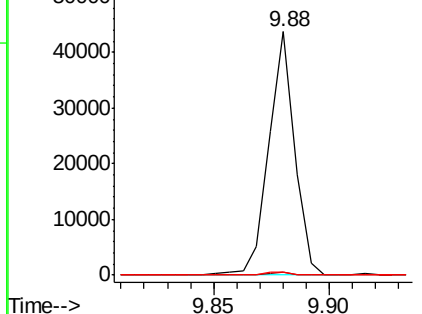
Tgt Ion:165	Resp:	34034
Ion Ratio	Lower	Upper
165	100	
63	1.2	47.3 70.9#
89	1.4	52.5 78.7#

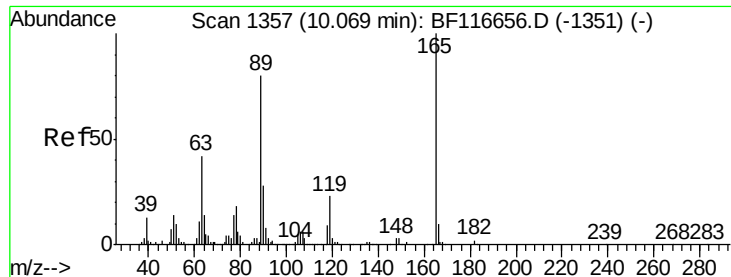


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 8.053 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 34034

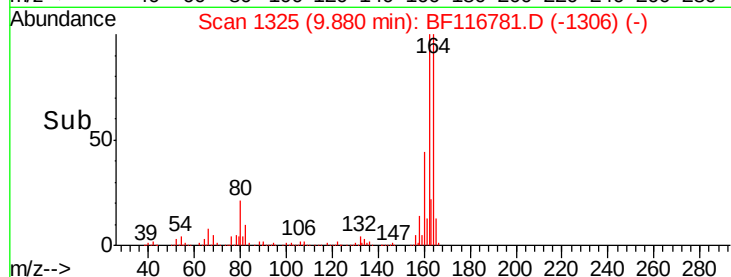
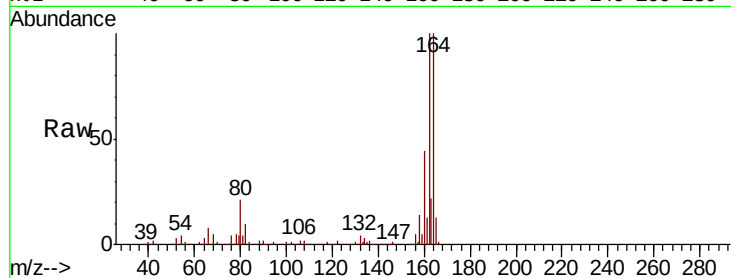
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.4 62.6 94.0#

182 0.0 2.1 3.1#

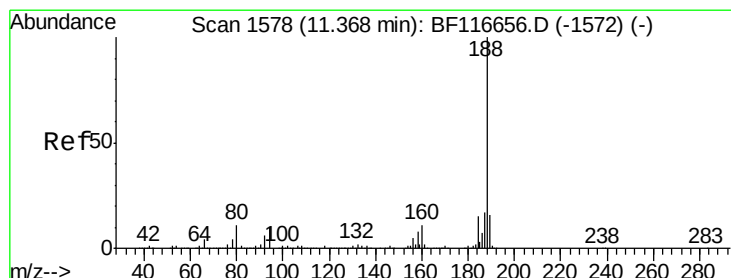
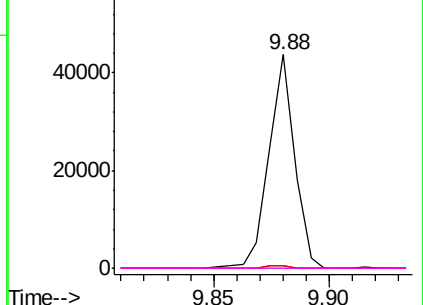


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF116781.D

Acq: 3 Sep 2019 19:12

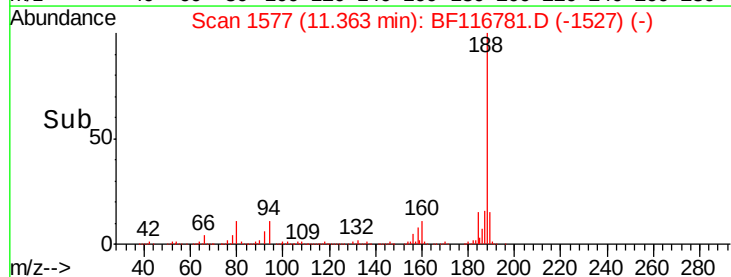
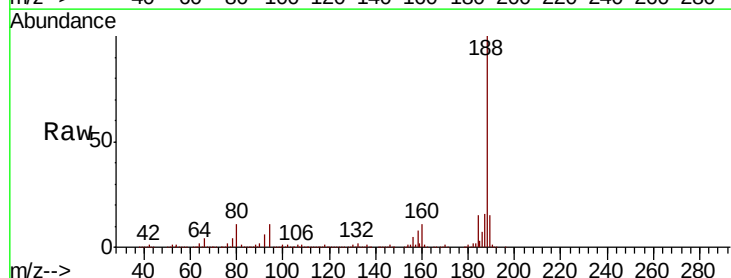
Tgt Ion:188 Resp: 421119

Ion Ratio Lower Upper

188 100

94 10.8 7.3 10.9

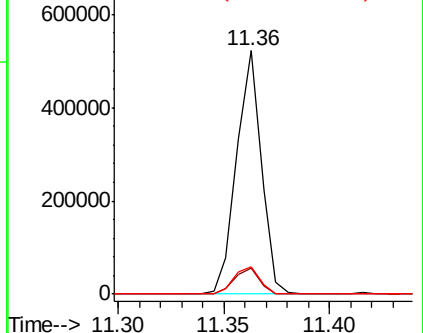
80 11.4 8.4 12.6

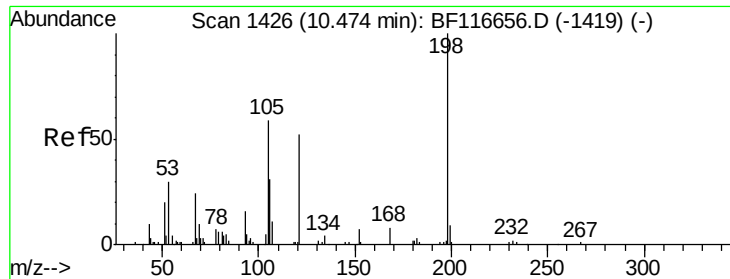


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

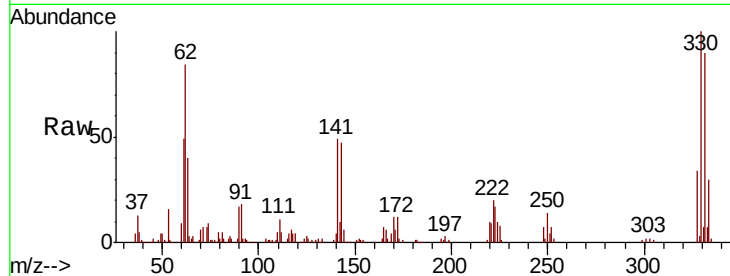




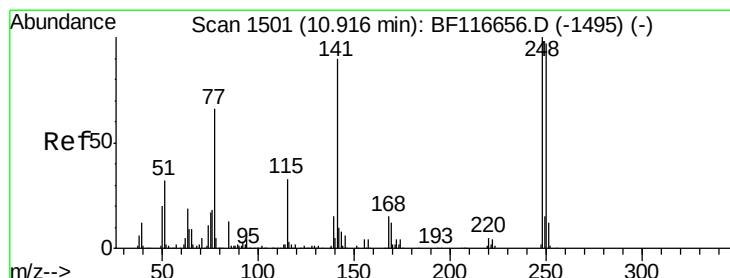
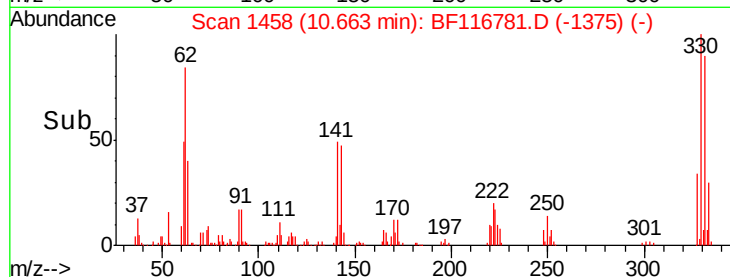
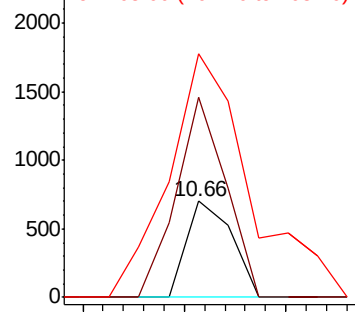
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.687 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.19 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 434
 Ion Ratio Lower Upper
 198 100
 51 208.0 18.4 58.4#
 105 253.7 22.9 62.9#

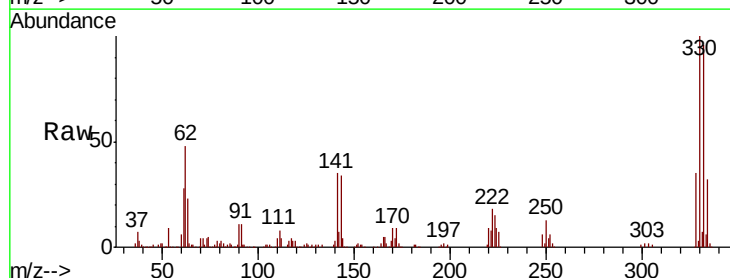


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

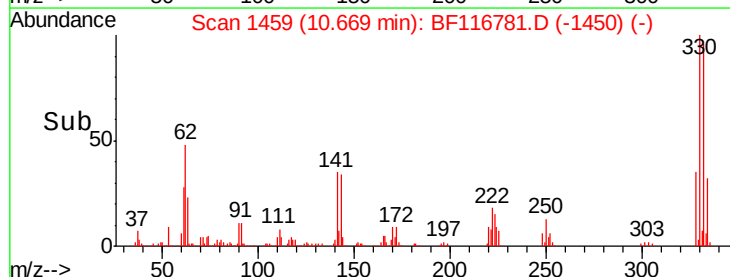
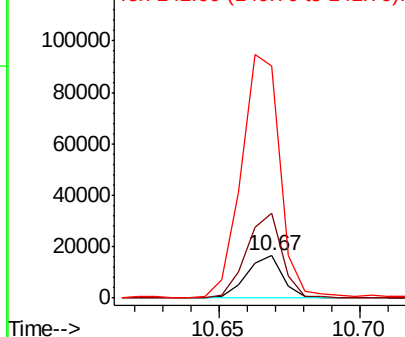


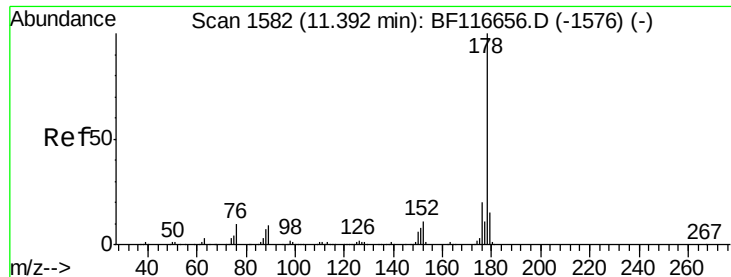
#67
 4-Bromophenyl-phenylether
 Concen: 3.356 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Tgt Ion:248 Resp: 14359
 Ion Ratio Lower Upper
 248 100
 250 199.6 77.8 116.8#
 141 549.1 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

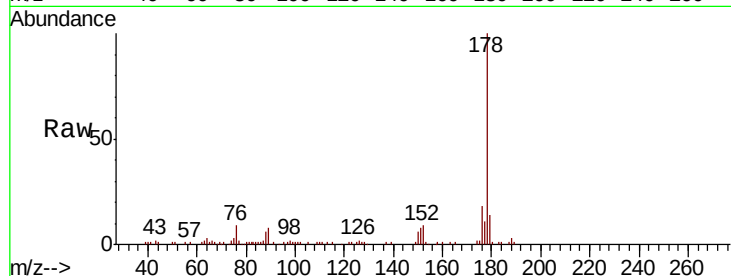




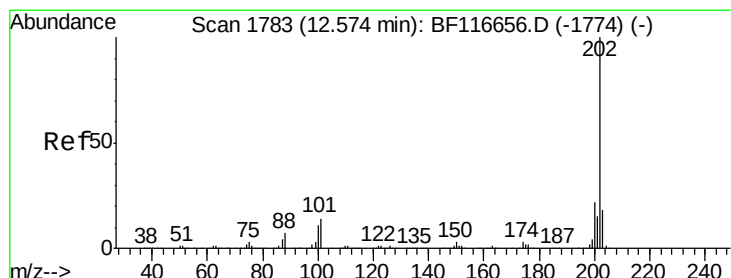
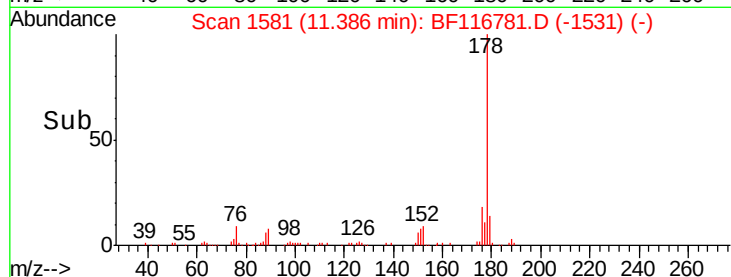
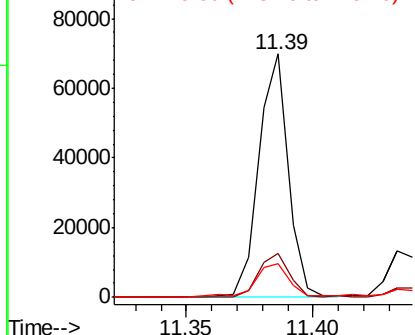
#71
Phenanthrene
Concen: 2.429 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 56940
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 14.0 12.2 18.2

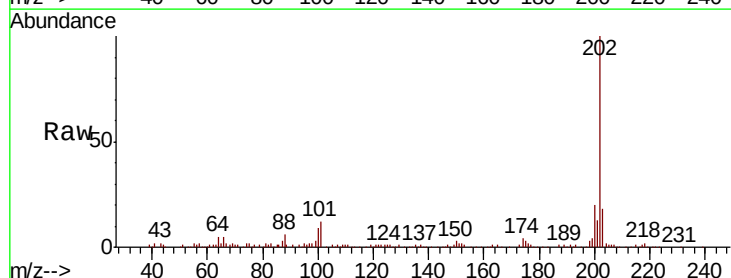


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

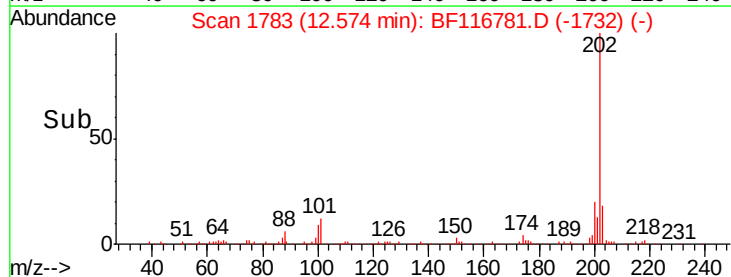
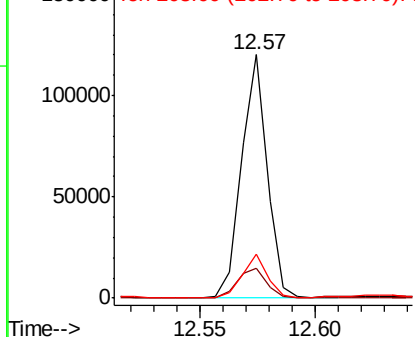


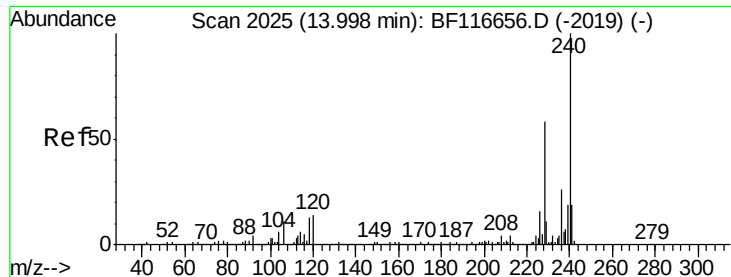
#75
Fluoranthene
Concen: 4.085 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion:202 Resp: 94121
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.3
203 18.0 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

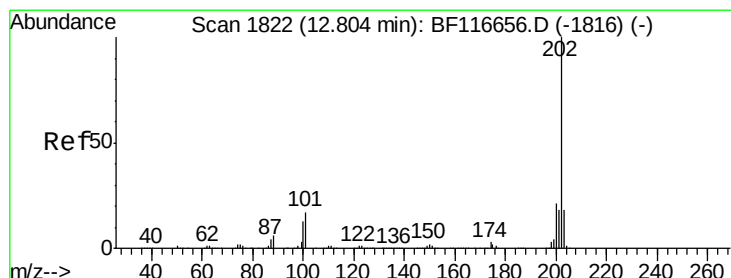
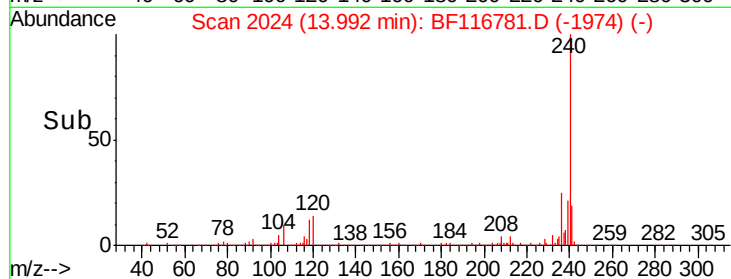
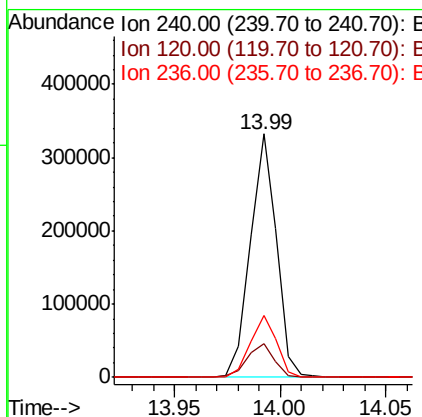
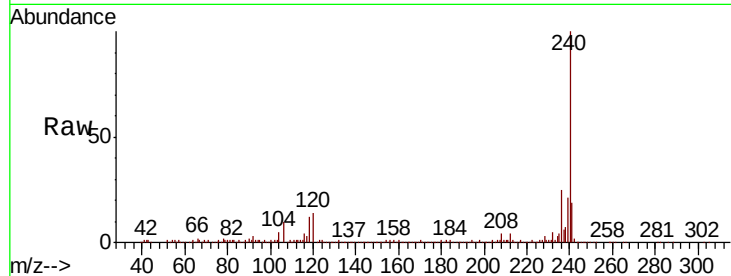




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

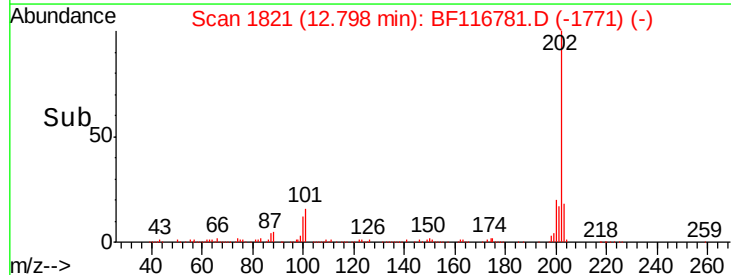
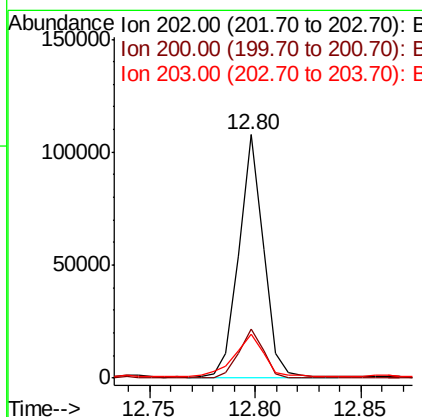
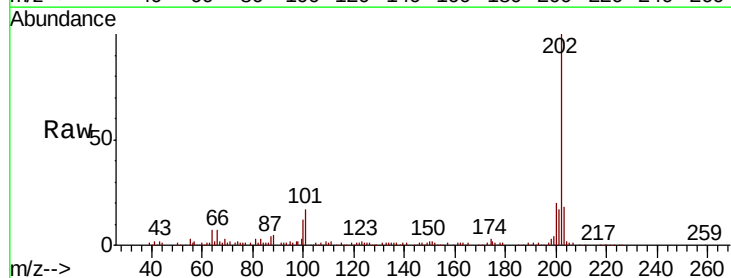
Instrument :
BNA_F
ClientSampleId :

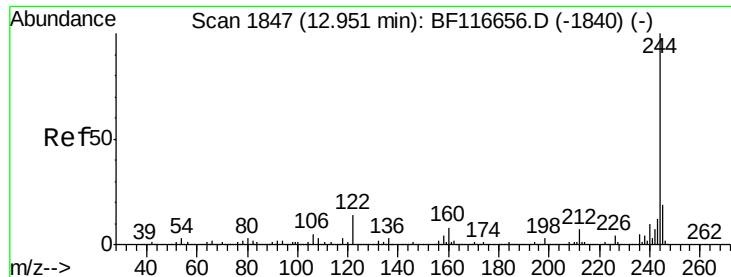
Tot Ion:240 Resp: 286142
Ion Ratio Lower Upper
240 100
120 13.8 9.1 13.7#
236 25.3 21.1 31.7



#78
Pyrene
Concen: 3.374 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion:202 Resp: 85834
Ion Ratio Lower Upper
202 100
200 20.3 16.5 24.7
203 18.1 13.7 20.5

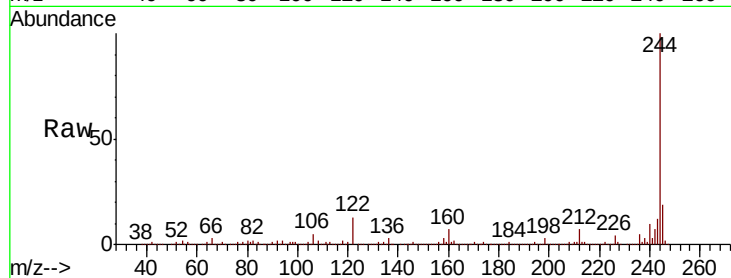




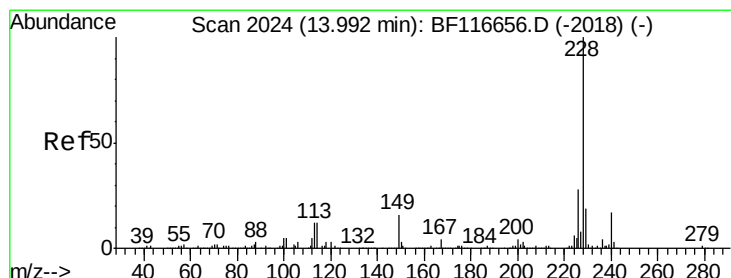
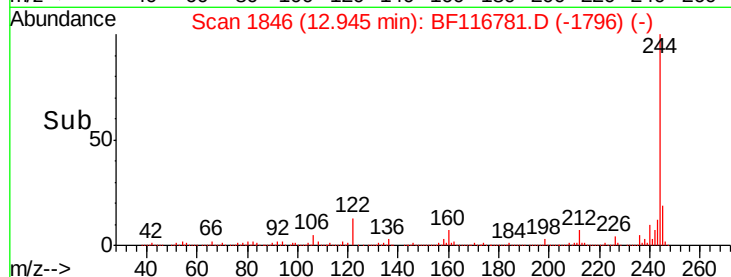
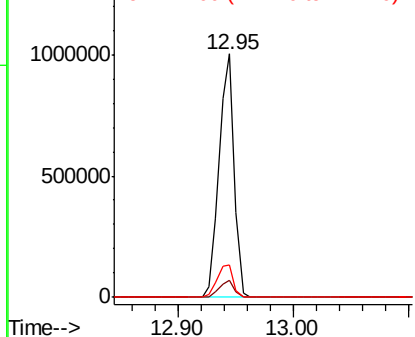
#79
 Terphenyl-d14
 Concen: 58.782 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 909213
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 13.1 10.2 15.4

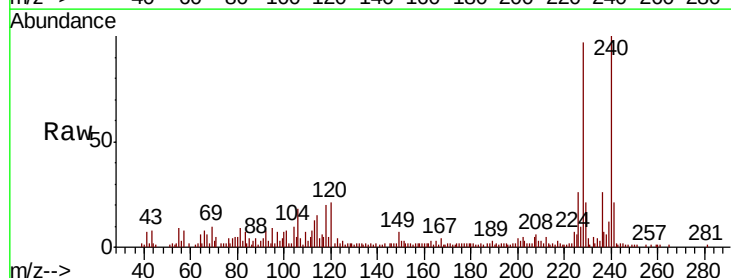


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

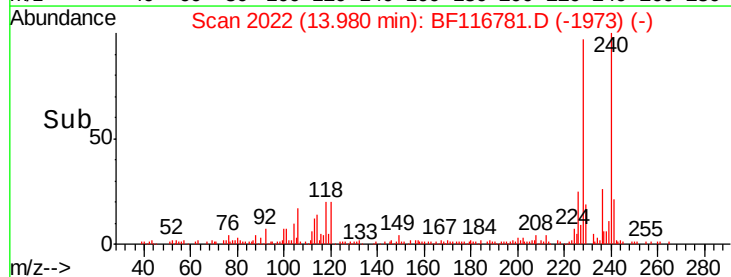
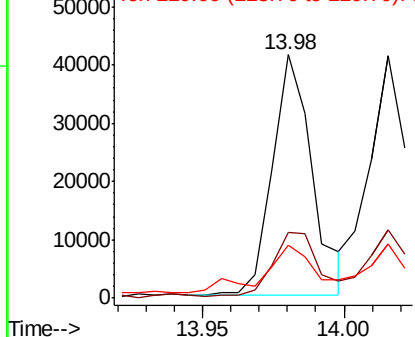


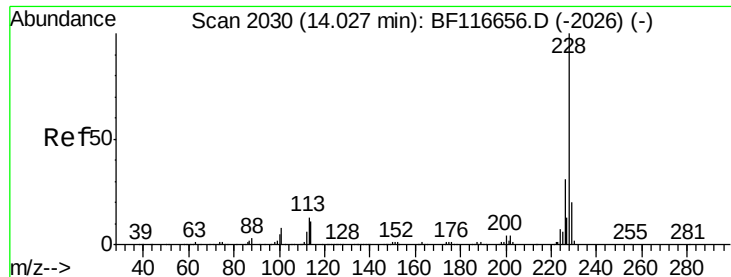
#81
 Benzo(a)anthracene
 Concen: 2.243 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116781.D
 Acq: 3 Sep 2019 19:12

Tgt Ion:228 Resp: 40628
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.0 33.0
 229 21.6 16.4 24.6



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

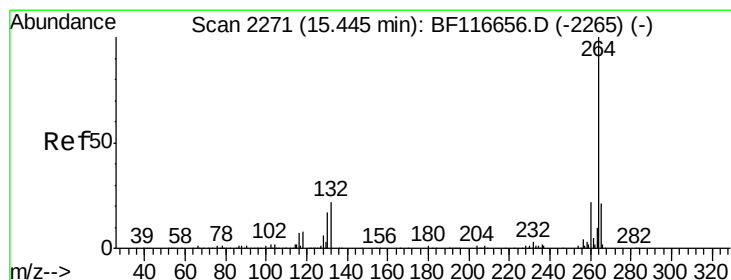
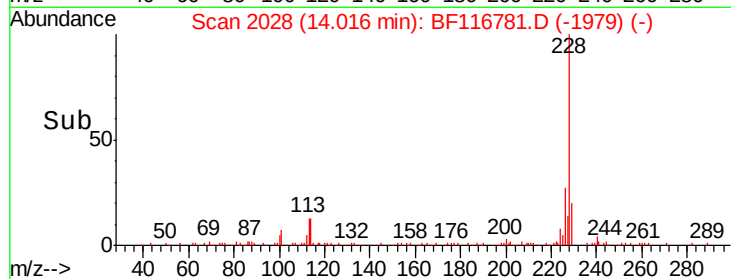
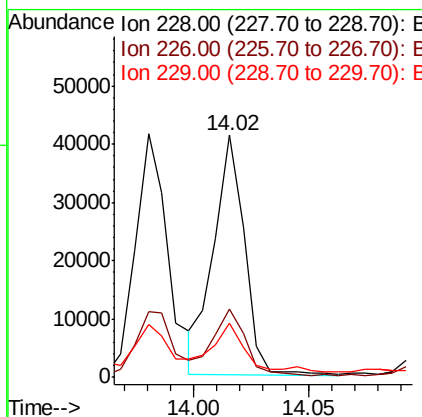
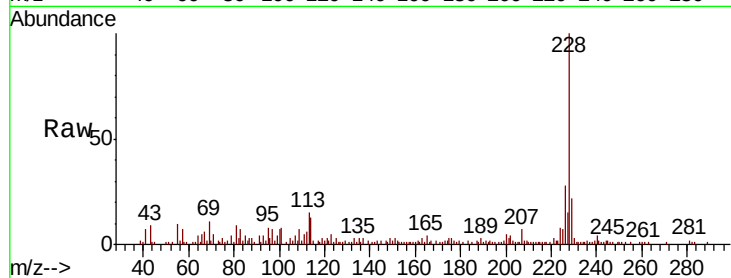




#83
Chrysene
Concen: 2.051 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

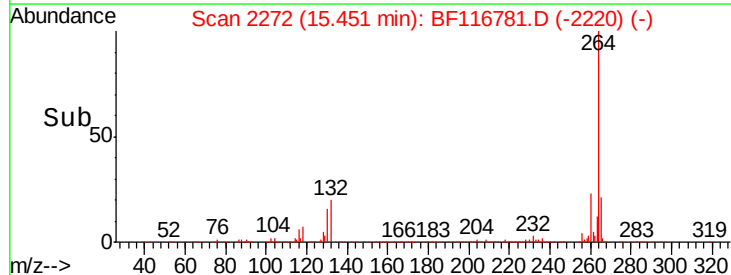
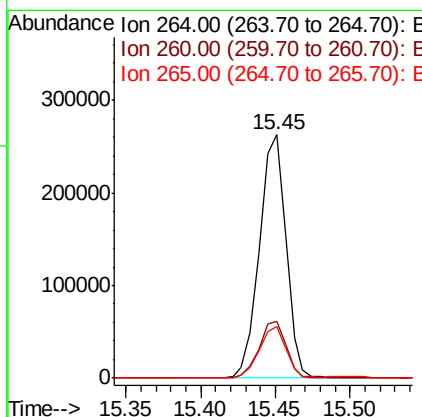
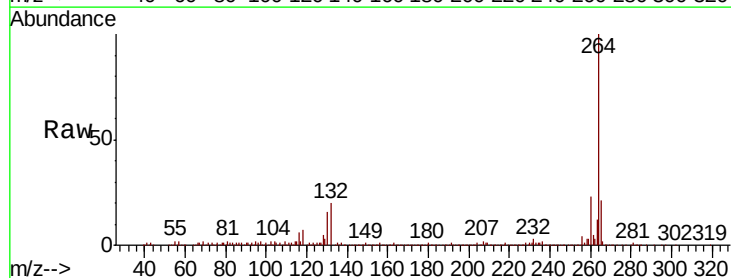
Instrument :
BNA_F
ClientSampled :

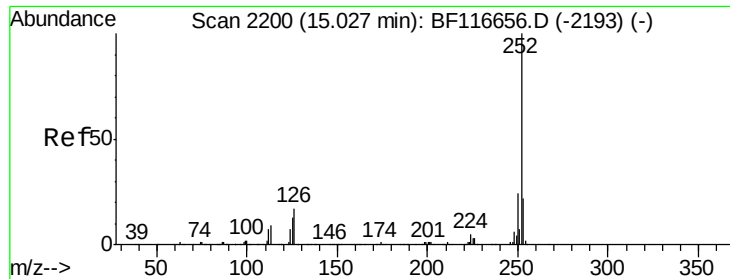
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.0	36.0
229	22.4	15.4	23.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.3	27.5
265	21.2	16.5	24.7

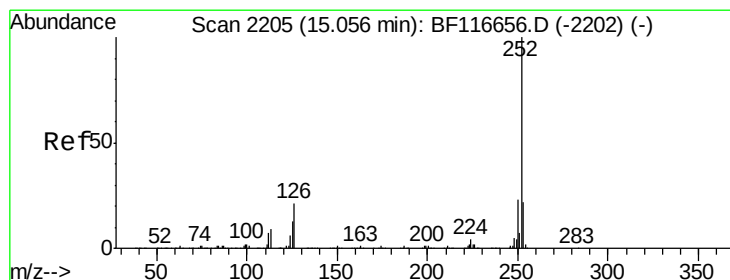
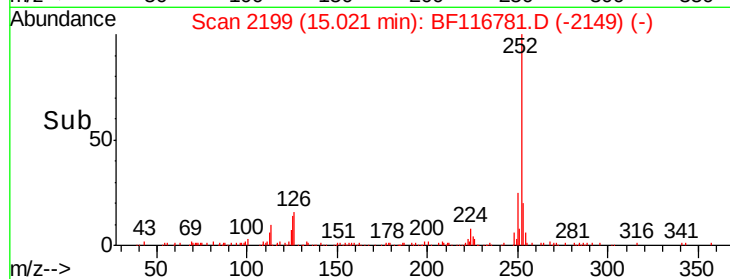
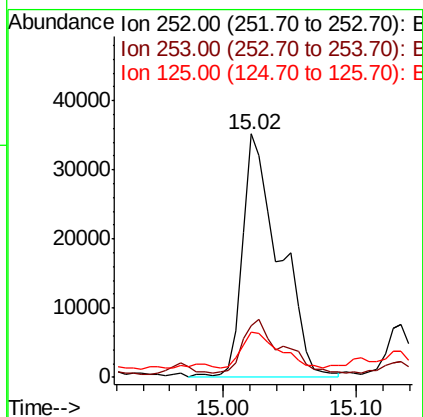
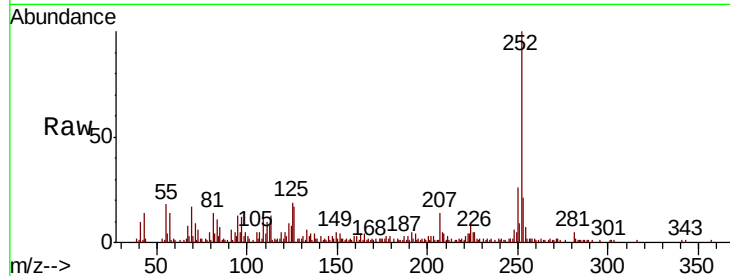




#88
Benzo(b)fluoranthene
Concen: 3.431 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

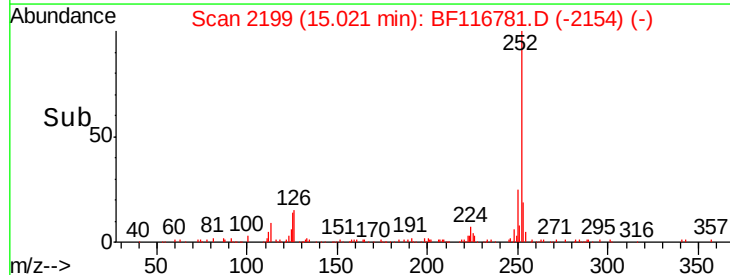
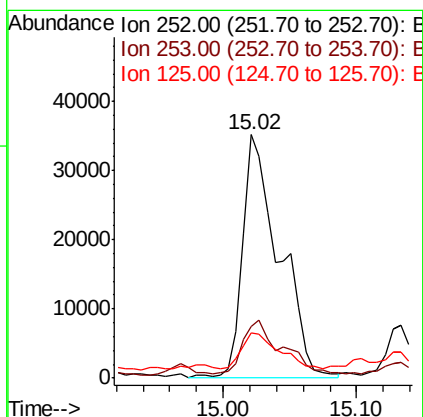
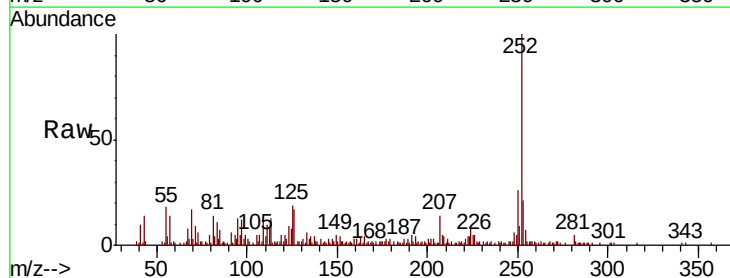
Instrument :
BNA_F
ClientSampled :

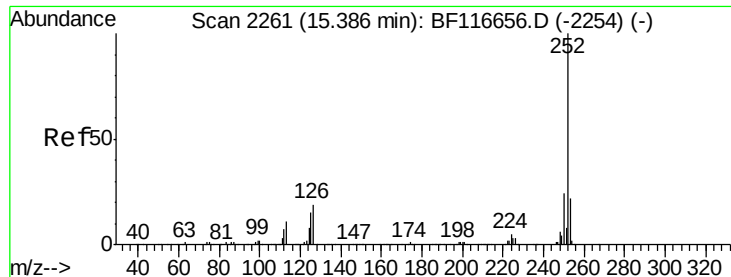
Tot Ion:252 Resp: 67182
Ion Ratio Lower Upper
252 100
253 21.1 17.7 26.5
125 18.6 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 3.764 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116781.D
Acq: 3 Sep 2019 19:12

Tgt Ion:252 Resp: 67182
Ion Ratio Lower Upper
252 100
253 21.1 17.7 26.5
125 18.6 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 2.201 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF116781.D

Acq: 3 Sep 2019 19:12

Instrument :

BNA_F

ClientSampleId :

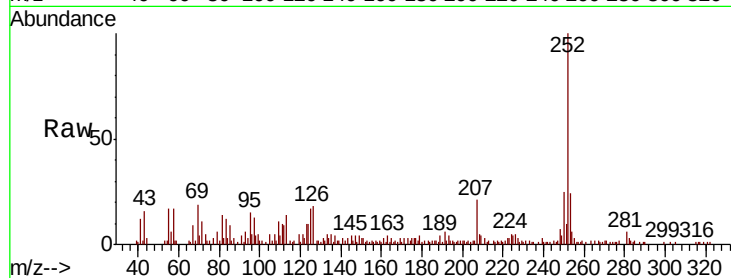
Tot Ion:252 Resp: 37492

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

125 17.2 9.8 14.8



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

