

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114549.D
 Acq On : 24 May 2019 2:52
 Operator : JU/SJ
 Sample : K2994-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Quant Time: May 24 07:22:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 23 03:49:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	169290	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	644228	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	319405	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	672170	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	430145	20.00	ng	-0.02
87) Perylene-d12	15.44	264	443716	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	938959	89.26	ng	-0.03
7) Phenol-d6	6.46	99	1240127	99.67	ng	-0.03
23) Nitrobenzene-d5	7.37	82	734786	64.01	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	318507	96.46	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1045749	49.53	ng	-0.02
79) Terphenyl-d14	12.92	244	1027341	49.23	ng	-0.02

Target Compounds

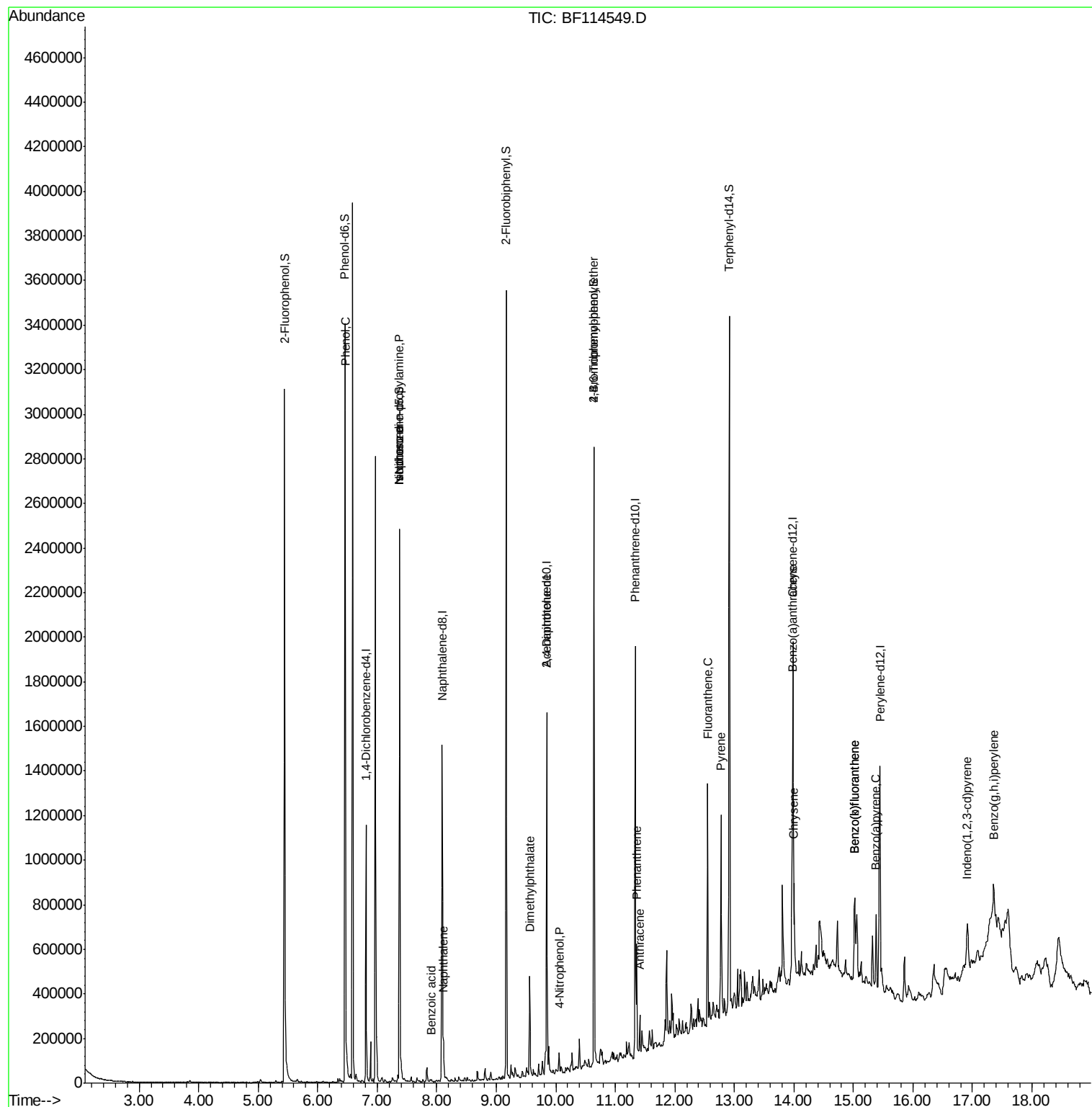
						Qvalue
10) Phenol	6.47	94	40326	2.755	ng	91
19) n-Nitroso-di-n-propylamine	7.37	70	96671	12.258	ng	# 77
25) Isophorone	7.37	82	734778	34.513	ng	# 64
31) Naphthalene	8.12	128	64212	2.134	ng	96
32) Benzoic acid	7.92	122	692	7.114	ng	# 76
50) Dimethylphthalate	9.56	163	159027	6.782	ng	99
56) 4-Nitrophenol	10.06	139	11281	2.471	ng	# 11
57) 2,4-Dinitrotoluene	9.85	165	42272	5.989	ng	# 26
67) 4-Bromophenyl-phenylether	10.64	248	21191	2.863	ng	# 1
71) Phenanthrene	11.36	178	179888	5.501	ng	98
72) Anthracene	11.41	178	73222	2.229	ng	98
75) Fluoranthene	12.55	202	408004	11.586	ng	100
78) Pvrene	12.78	202	365762	10.570	ng	96
81) Benzo(a)anthracene	13.97	228	183770	6.605	ng	98
83) Chrysene	14.00	228	159216	5.838	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	100507	4.170	ng	93
88) Benzo(b)fluoranthene	15.02	252	292282	10.282	ng	# 97
89) Benzo(k)fluoranthene	15.02	252	292282	11.193	ng	# 97
90) Benzo(a)pvrene	15.38	252	170558	6.817	ng	98
92) Benzo(a,h,i)perylene	17.36	276	87649	4.207	ng	98

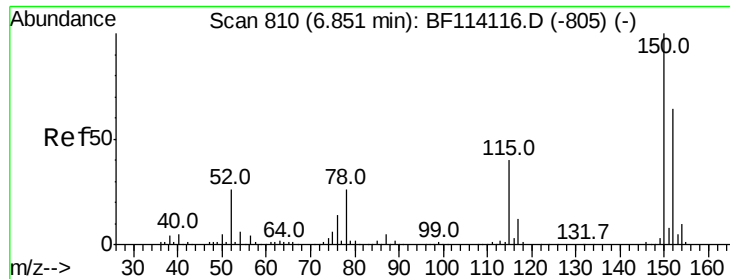
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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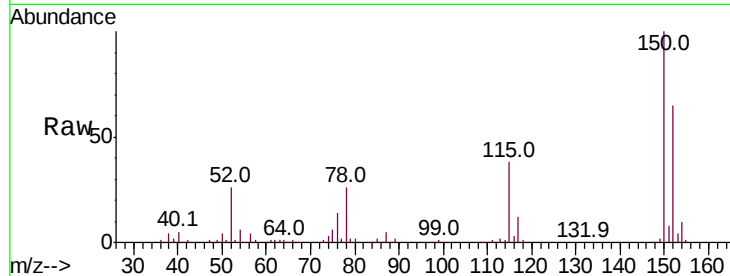


#1

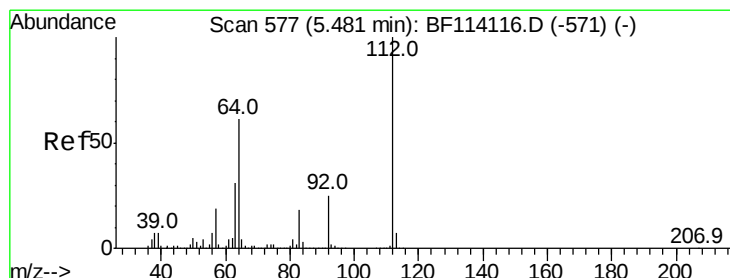
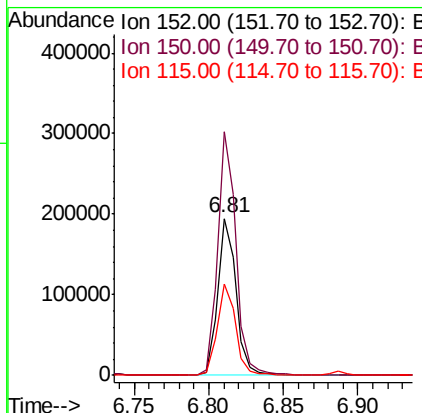
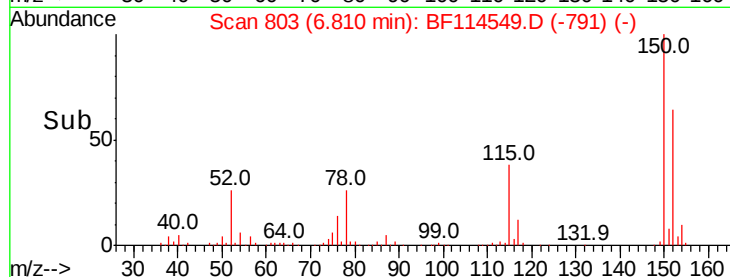
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.3	186.5
115	58.5	49.1	73.7



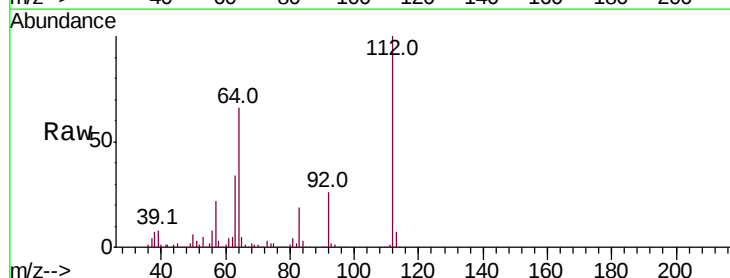
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



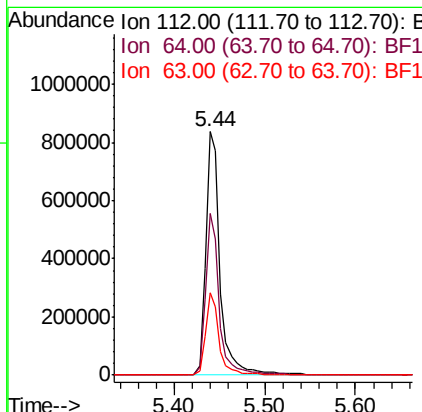
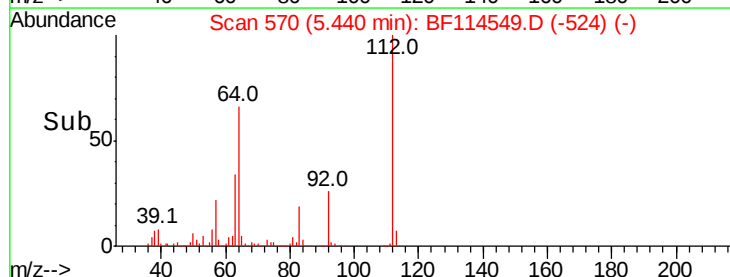
#5

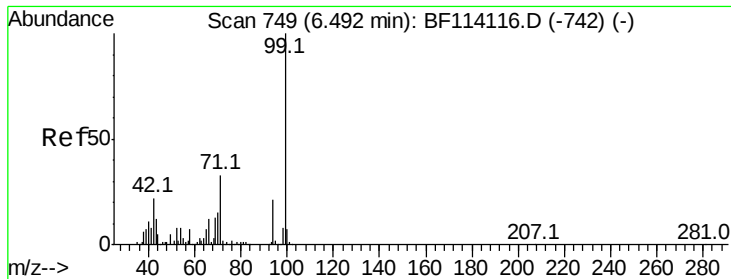
2-Fluorophenol
 Concen: 89.257 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.03 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	49.0	73.6
63	33.9	24.6	37.0



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: 99.672 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Instrument :

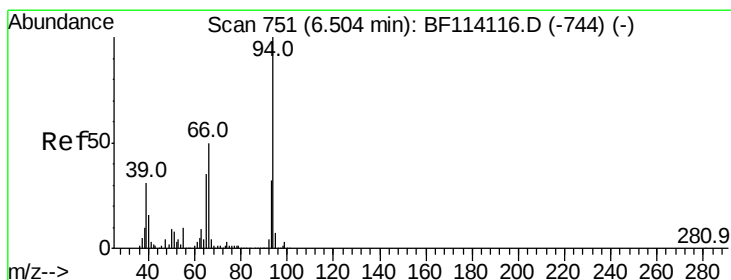
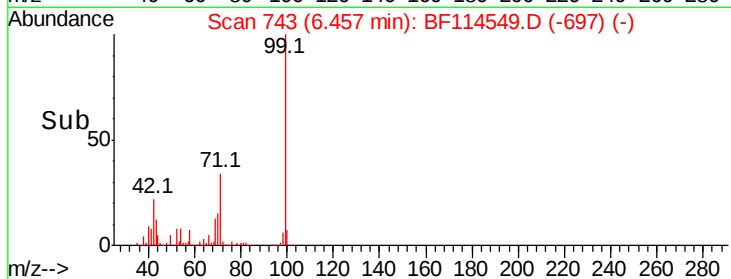
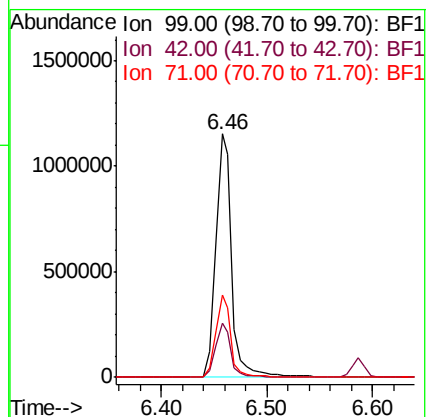
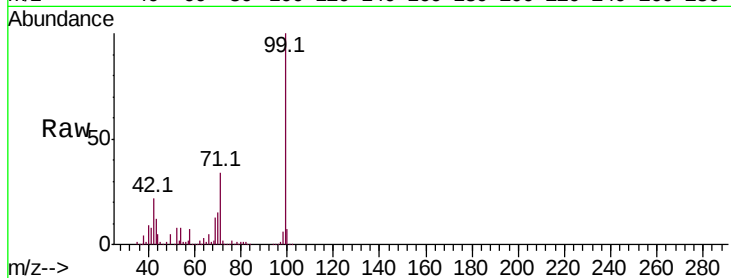
BNA_F

ClientSampleId :

TP-8-S

Tot Ion: 99 Resp: 1240127

Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.9	26.9
71	34.0	26.2	39.2



#10

Phenol

Concen: 2.755 ng

RT: 6.47 min Scan# 745

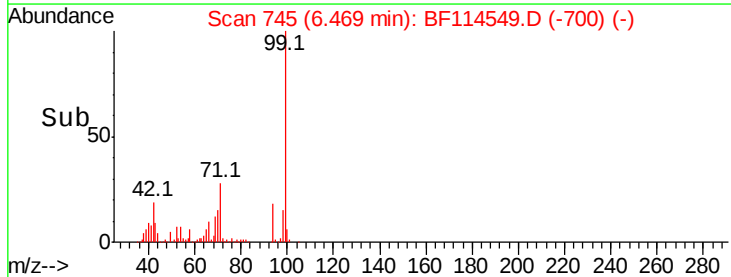
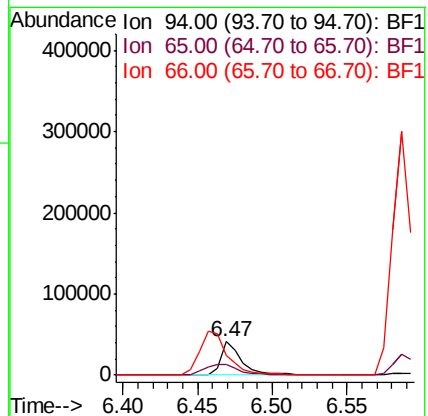
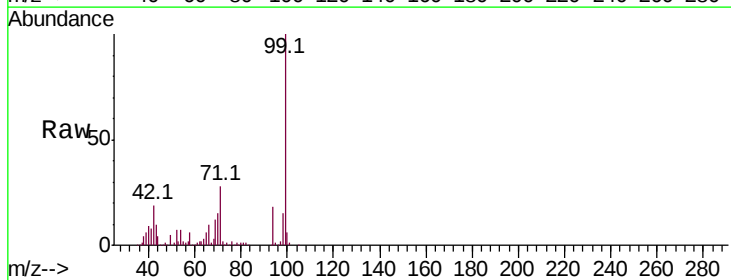
Delta R.T. -0.04 min

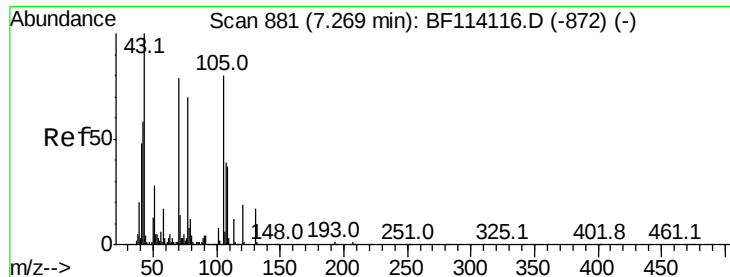
Lab File: BF114549.D

Acq: 24 May 2019 2:52

Tgt Ion: 94 Resp: 40326

Ion	Ratio	Lower	Upper
94	100		
65	32.9	14.7	54.7
66	58.0	29.6	69.6

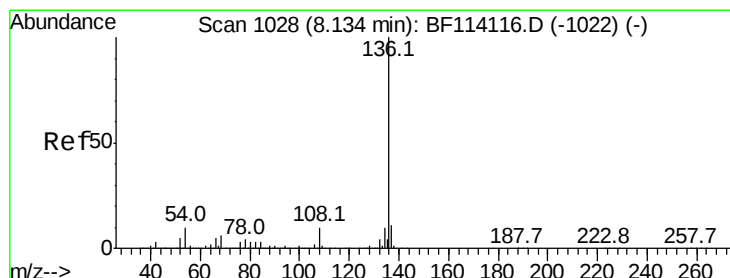
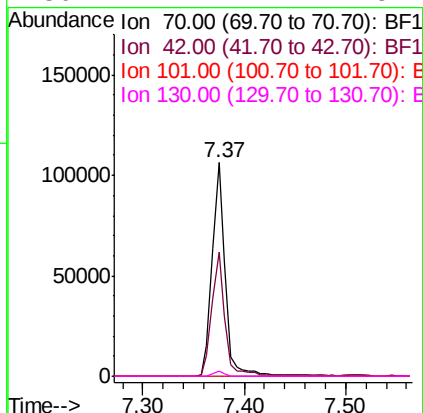
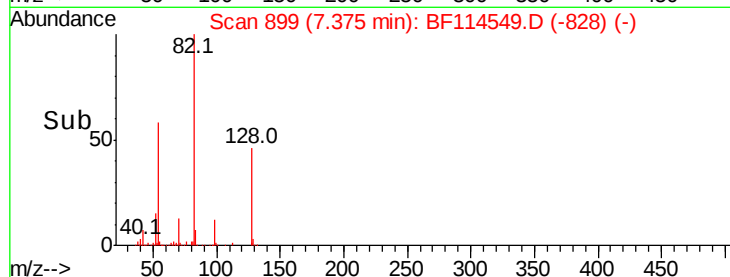
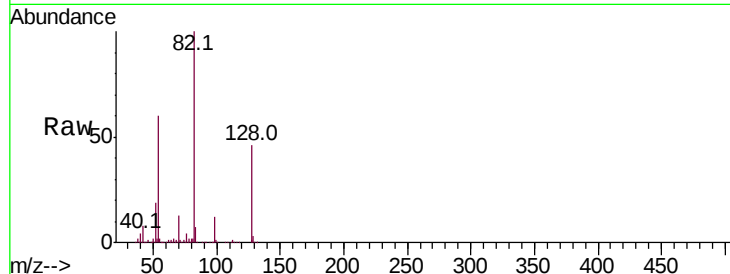




#19
n-Nitroso-di-n-propylamine
Concen: 12.258 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.12 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

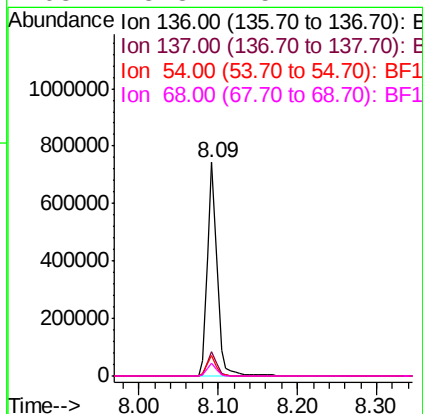
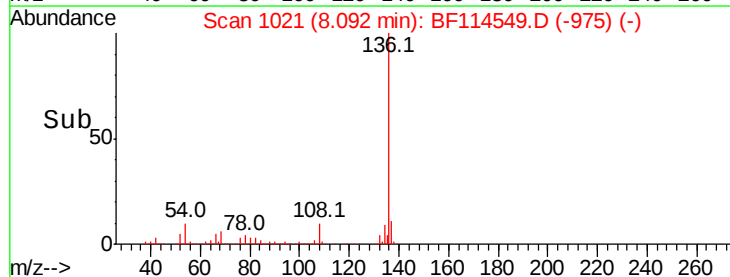
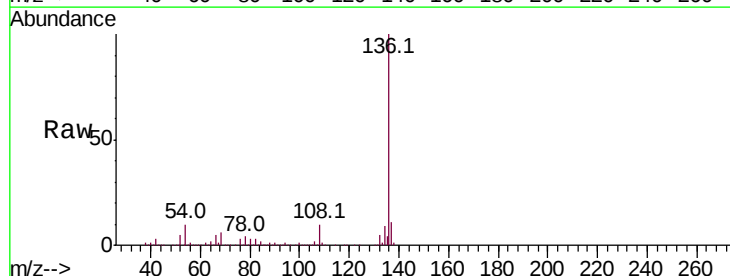
Instrument :
BNA_F
ClientSampleId :
TP-8-S

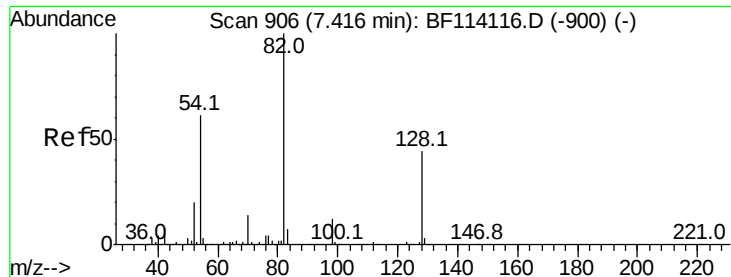
Tot Ion: 70 Resp: 96671
Ion Ratio Lower Upper
70 100
42 58.3 58.6 87.8#
101 0.0 7.8 11.8#
130 2.2 17.1 25.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion: 136 Resp: 644228
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.6 7.8 11.8
68 5.8 5.1 7.7

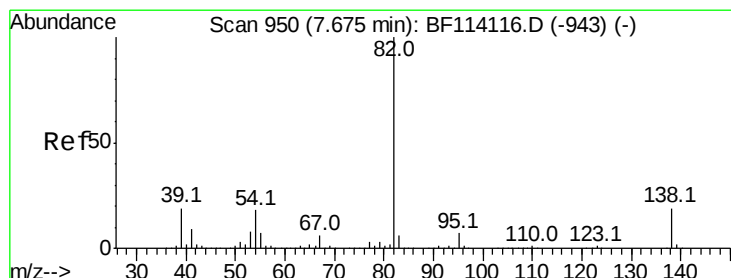
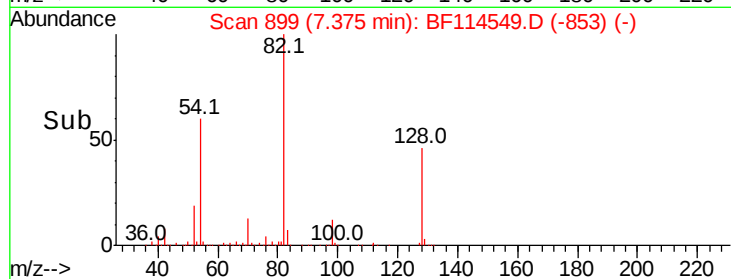
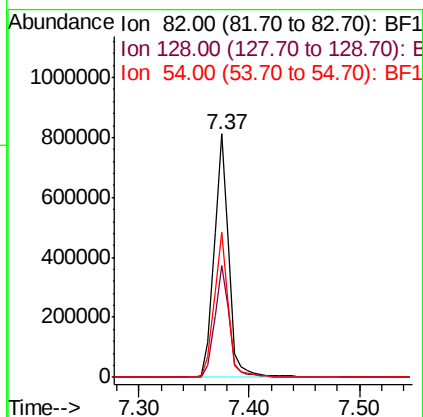
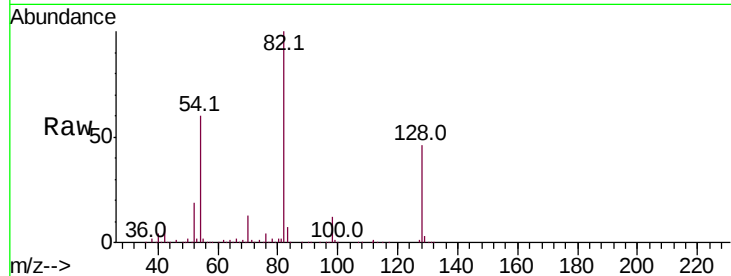




#23
 Nitrobenzene-d5
 Concen: 64.009 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.03 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

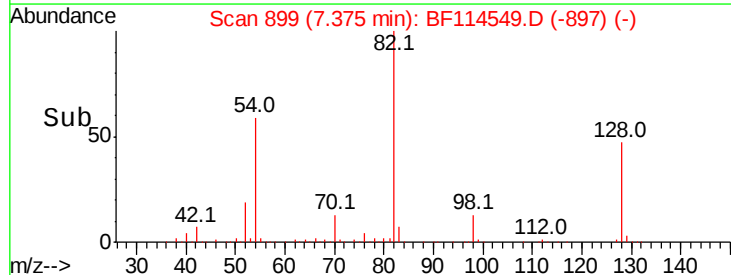
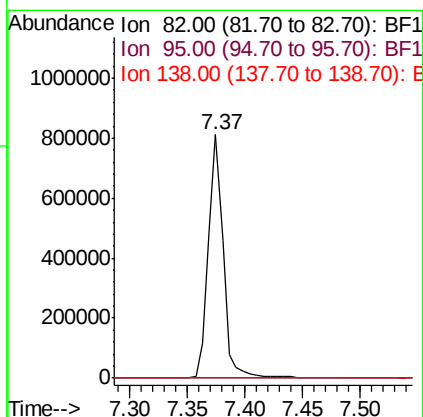
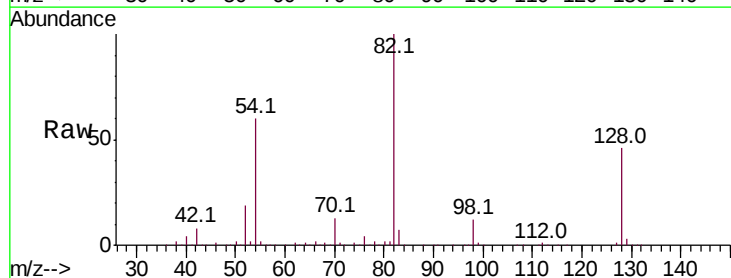
Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

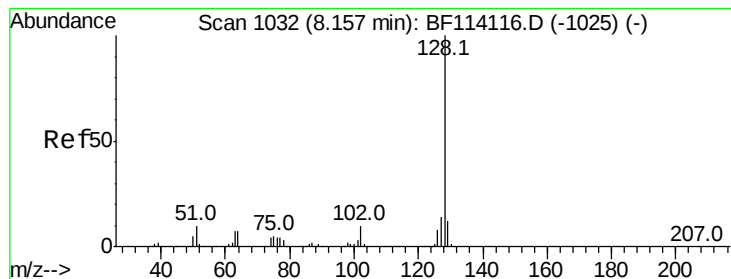
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	35.5	53.3
54	59.5	48.5	72.7



#25
 Isophorone
 Concen: 34.513 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.29 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.8	22.2#





#31

Naphthalene

Concen: 2.134 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Instrument :

BNA_F

ClientSampleId :

TP-8-S

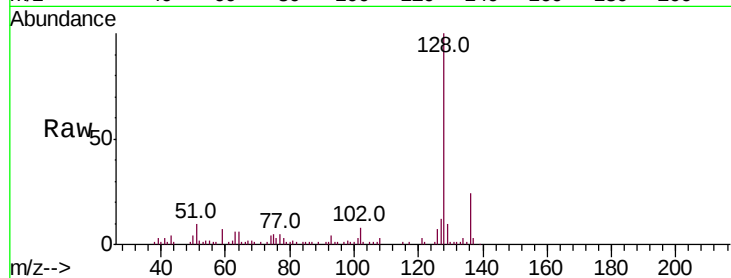
Tot Ion:128 Resp: 64212

Ion Ratio Lower Upper

128 100

129 10.4 9.6 14.4

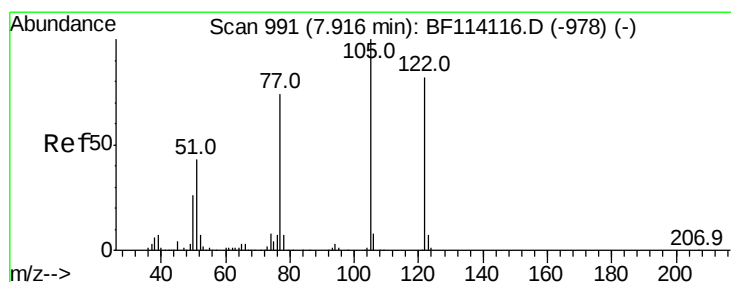
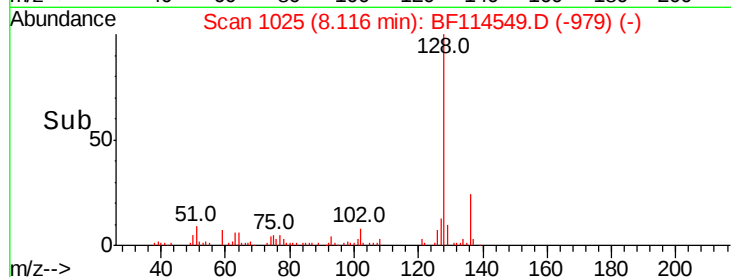
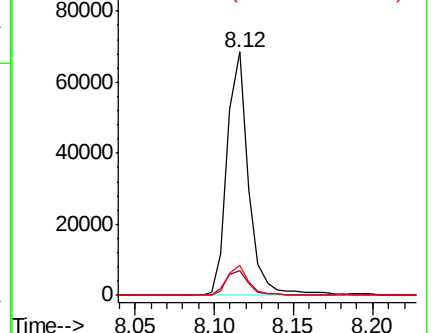
127 12.5 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.114 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.02 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

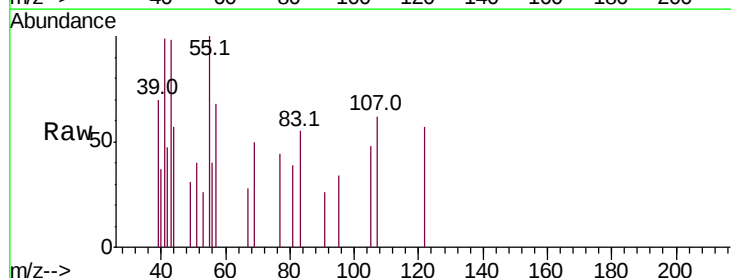
Tgt Ion:122 Resp: 692

Ion Ratio Lower Upper

122 100

105 84.0 99.9 139.9#

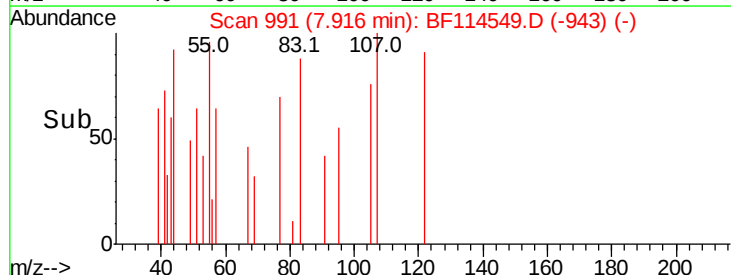
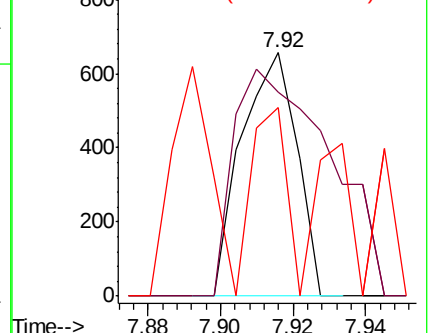
77 77.6 69.4 109.4

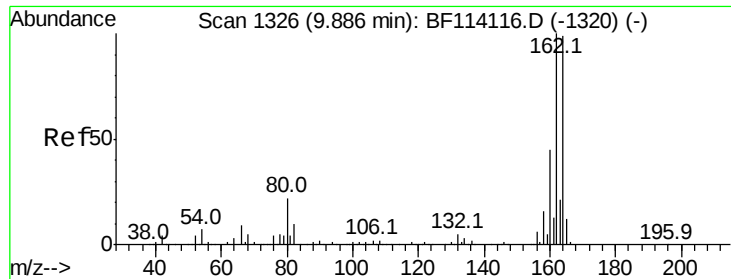


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

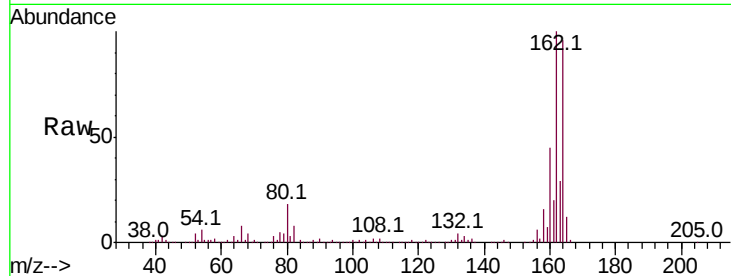




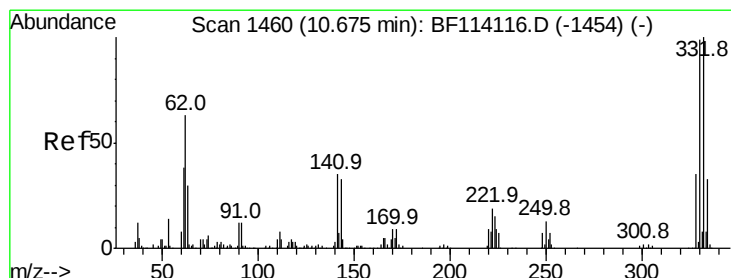
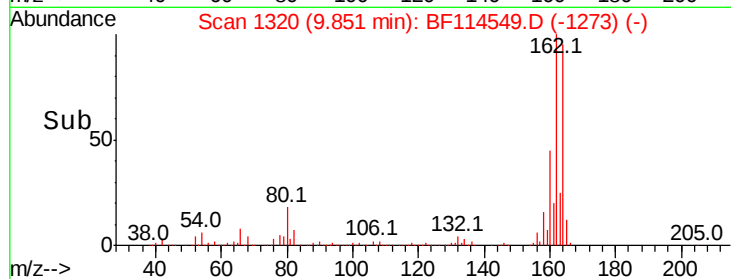
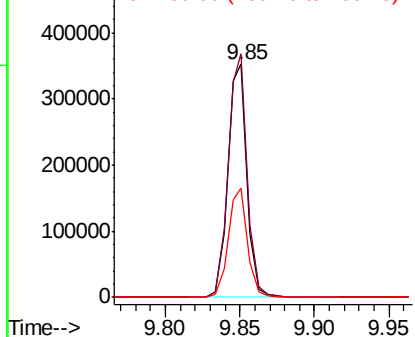
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

Instrument :
 BNA_F
 ClientSampleID :
 TP-8-S

Tot Ion:164 Resp: 319405
 Ion Ratio Lower Upper
 164 100
 162 104.4 80.6 120.8
 160 46.8 36.5 54.7

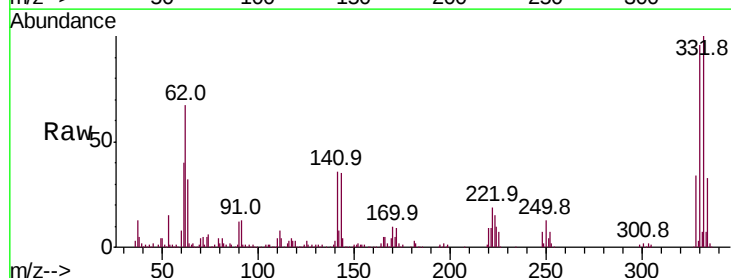


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

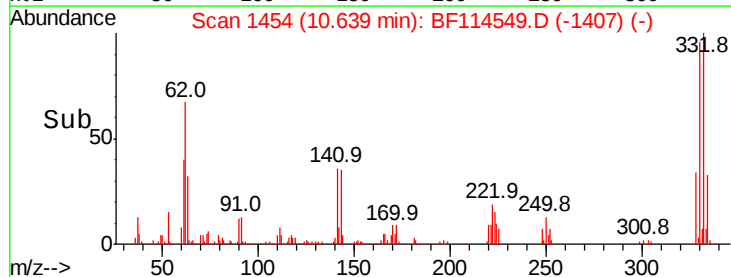
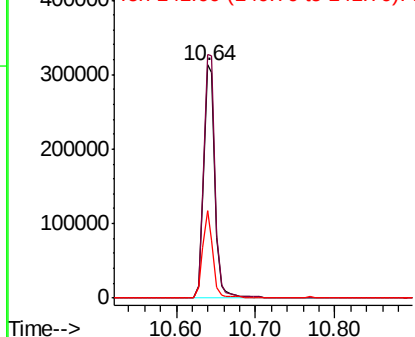


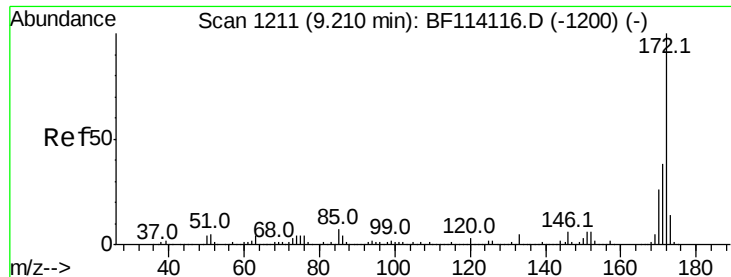
#42
 2,4,6-Tribromophenol
 Concen: 96.456 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

Tgt Ion:330 Resp: 318507
 Ion Ratio Lower Upper
 330 100
 332 104.9 81.4 122.2
 141 33.7 26.6 40.0



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

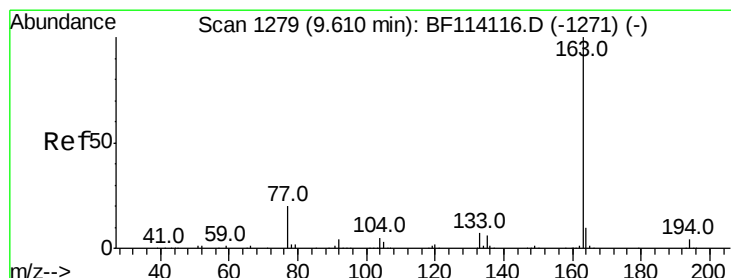
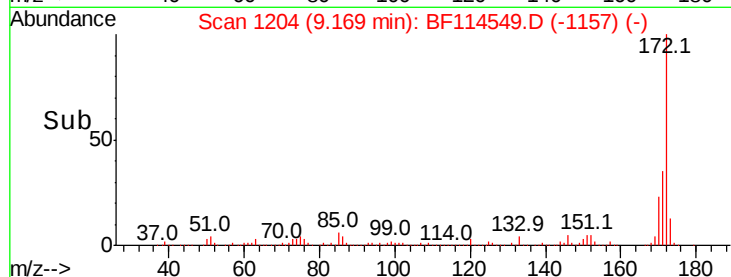
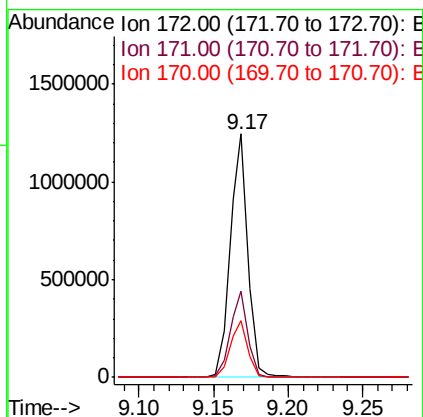
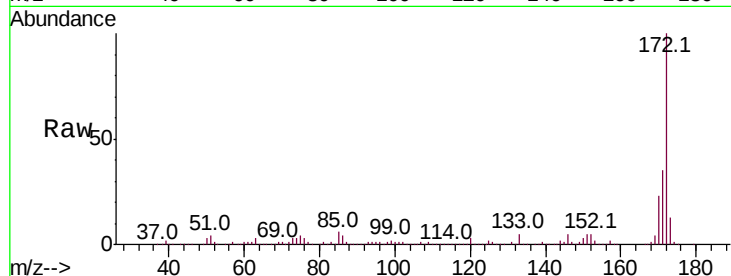




#45
2-Fluorobiphenyl
Concen: 49.525 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

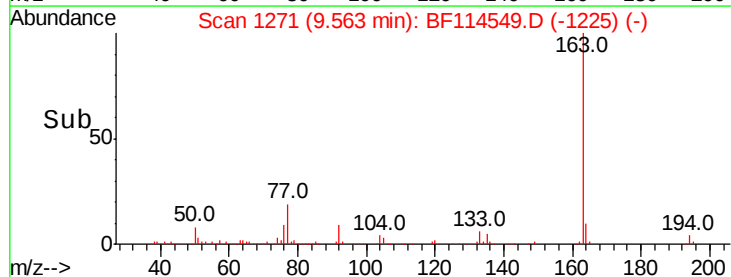
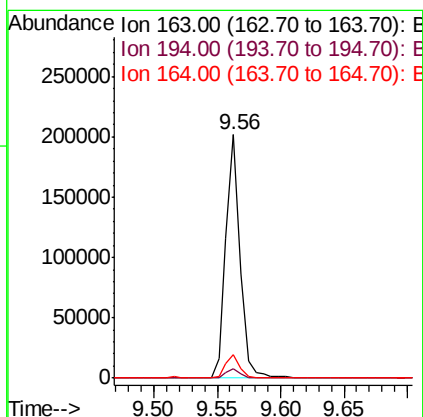
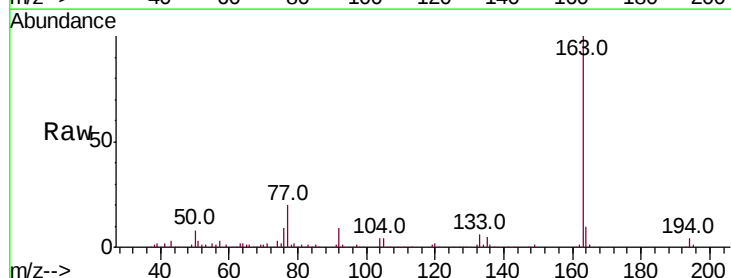
Instrument :
BNA_F
ClientSampleId :
TP-8-S

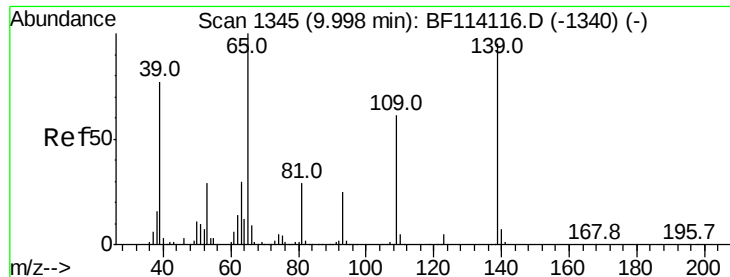
Tot Ion:172 Resp: 1045749
Ion Ratio Lower Upper
172 100
171 35.5 30.7 46.1
170 23.5 20.5 30.7



#50
Dimethylphthalate
Concen: 6.782 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion:163 Resp: 159027
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 9.8 8.2 12.2





#56

4-Nitrophenol

Concen: 2.471 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.05 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Instrument :

BNA_F

ClientSampleId :

TP-8-S

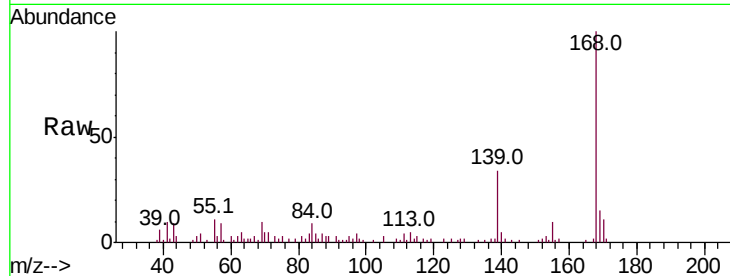
Tot Ion:139 Resp: 11281

Ion Ratio Lower Upper

139 100

109 5.9 43.9 83.9#

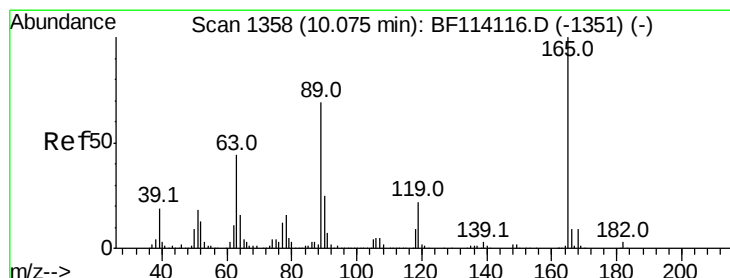
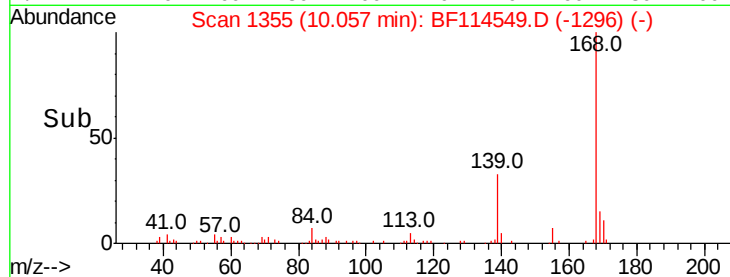
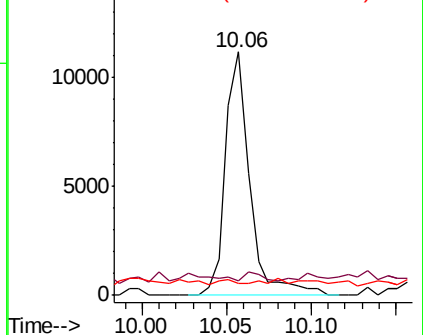
65 4.8 85.7 125.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 5.989 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.22 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Tgt Ion:165 Resp: 42272

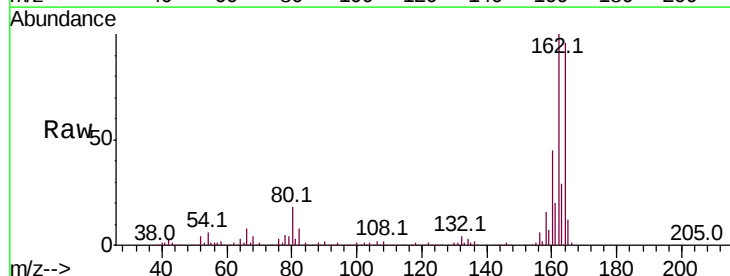
Ion Ratio Lower Upper

165 100

63 1.4 35.5 53.3#

89 1.9 55.2 82.8#

182 0.0 2.2 3.2#

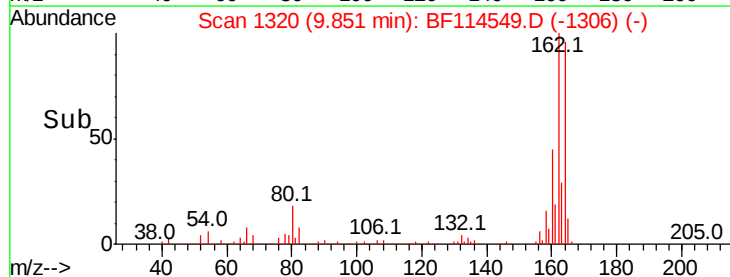
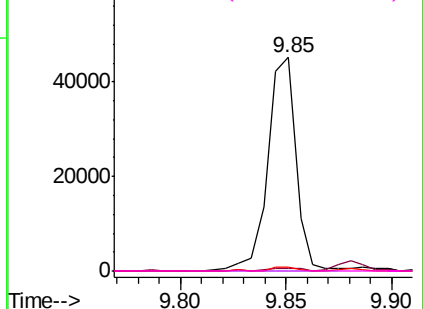


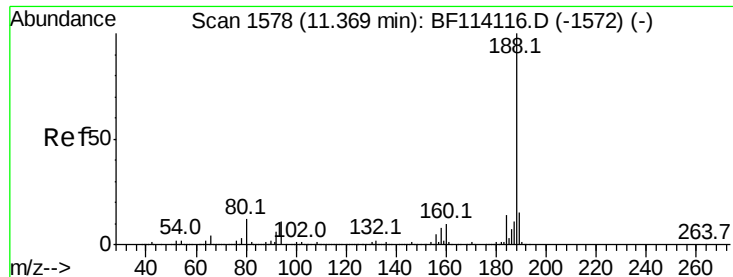
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Instrument :

BNA_F

ClientSampled :

TP-8-S

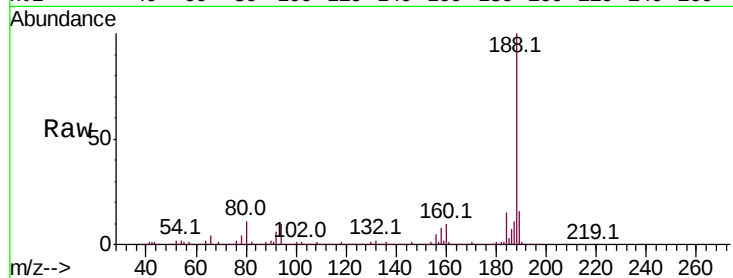
Tot Ion:188 Resp: 672170

Ion Ratio Lower Upper

188 100

94 10.4 8.4 12.6

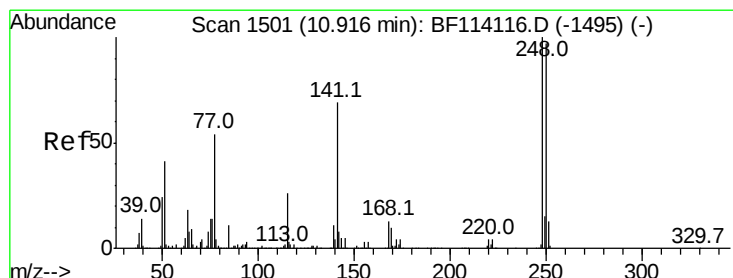
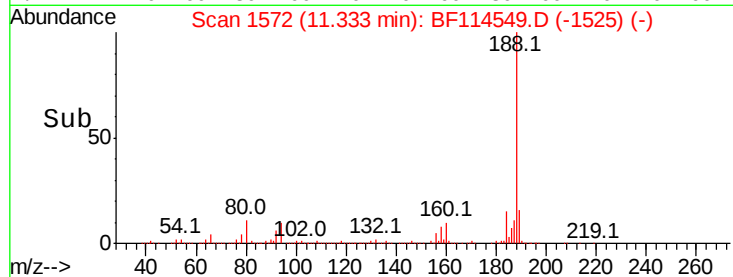
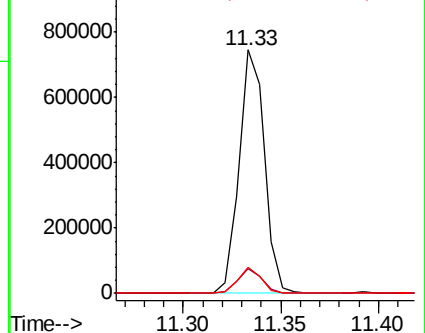
80 10.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.863 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.26 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

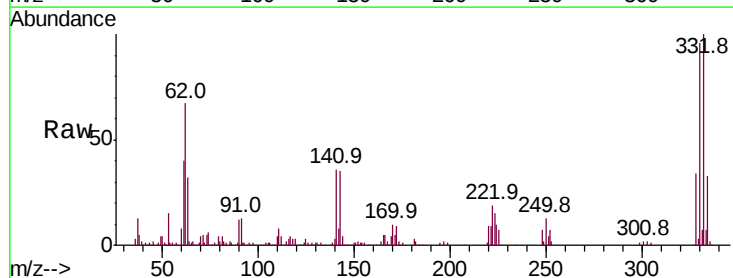
Tgt Ion:248 Resp: 21191

Ion Ratio Lower Upper

248 100

250 187.6 77.4 116.2#

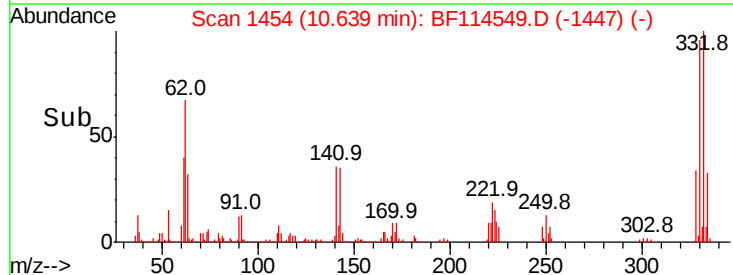
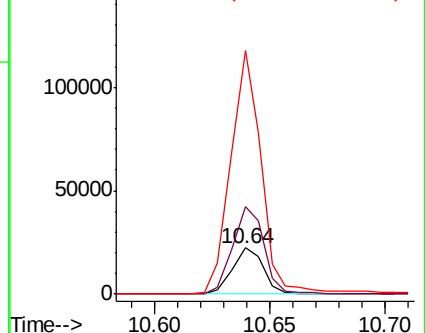
141 525.4 55.6 83.4#

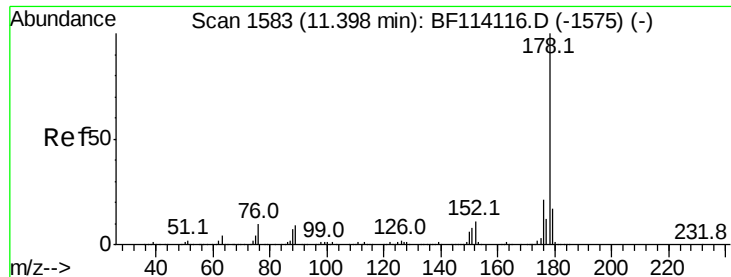


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

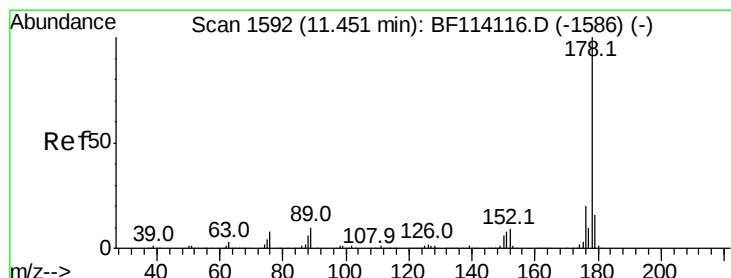
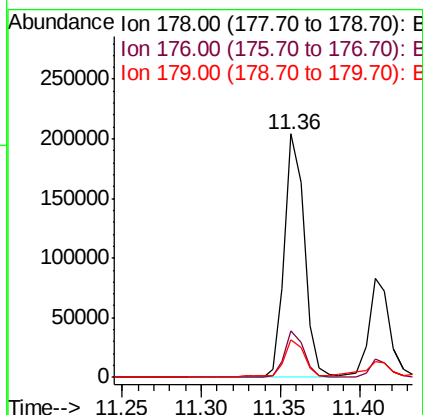
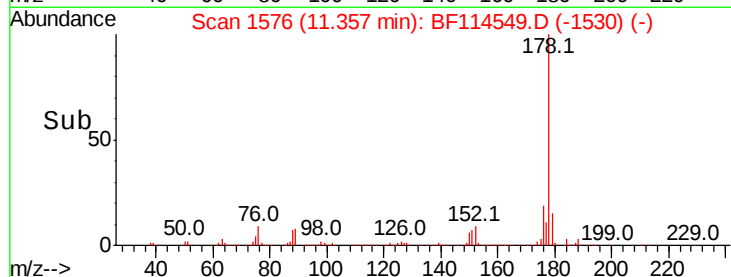
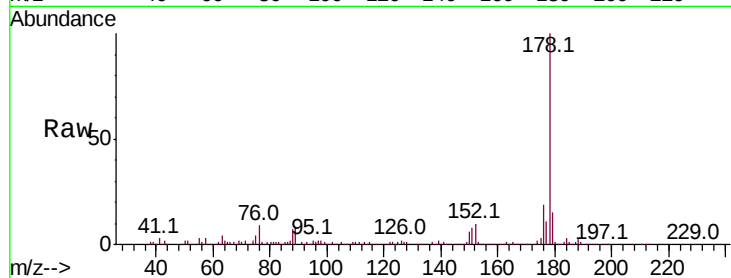




#71
Phenanthrene
Concen: 5.501 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.03 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

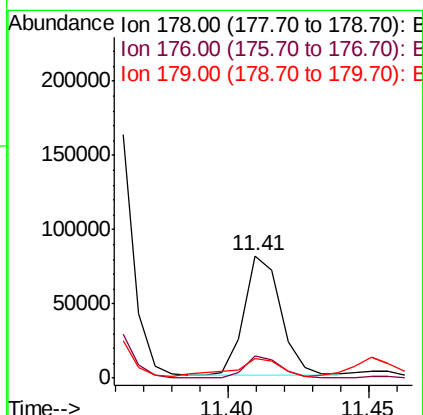
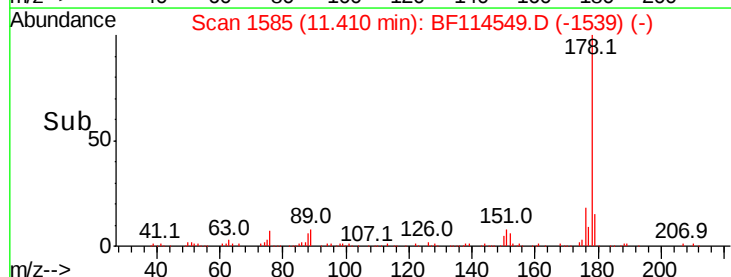
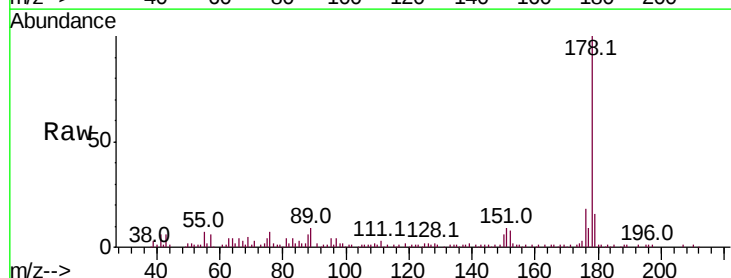
Instrument :
BNA_F
ClientSampled :
TP-8-S

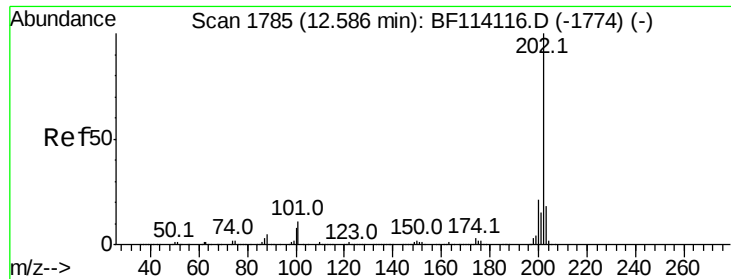
Tot Ion:178 Resp: 179888
Ion Ratio Lower Upper
178 100
176 19.3 16.4 24.6
179 15.5 13.2 19.8



#72
Anthracene
Concen: 2.229 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.03 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion:178 Resp: 73222
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 16.3 13.0 19.4

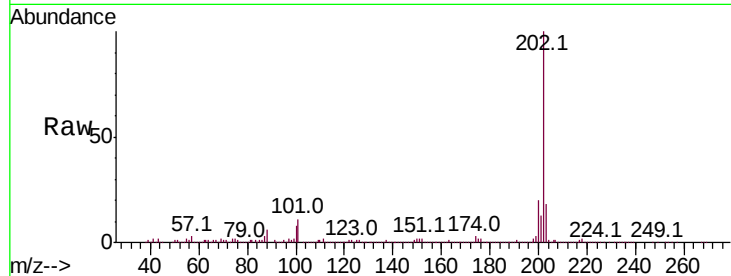




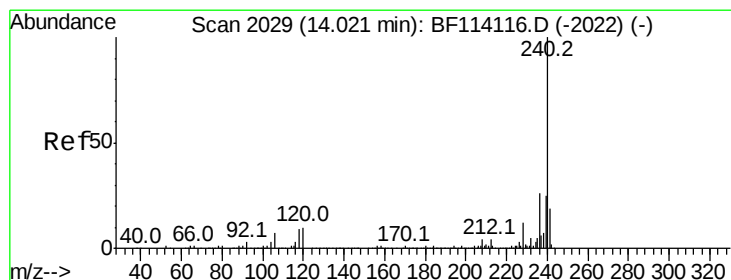
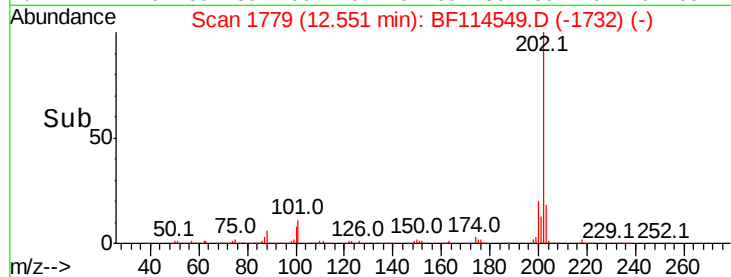
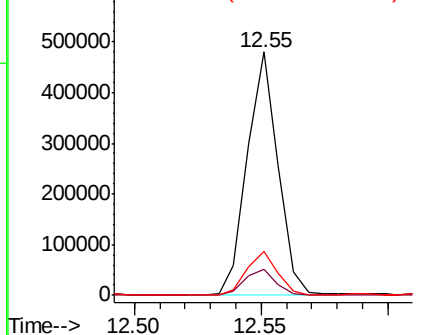
#75
Fluoranthene
Concen: 11.586 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.02 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion:	202	Resp:	408004
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.0
203	18.2	0.0	38.4

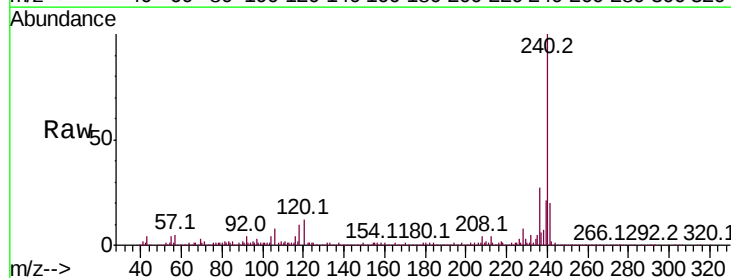


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

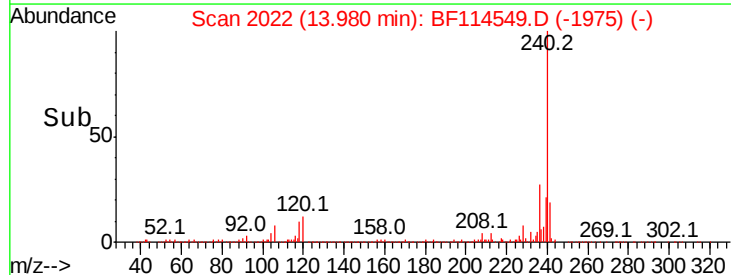
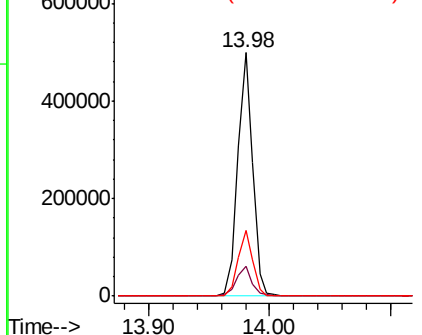


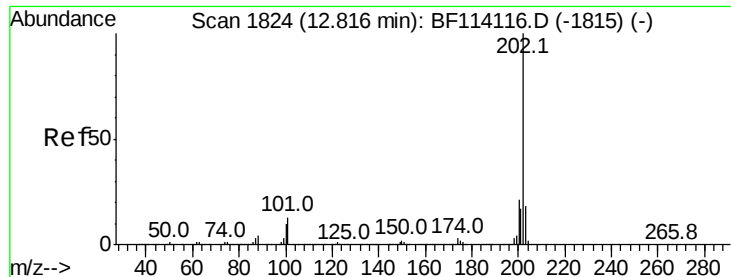
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion:	240	Resp:	430145
Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.3	12.5
236	26.8	20.8	31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

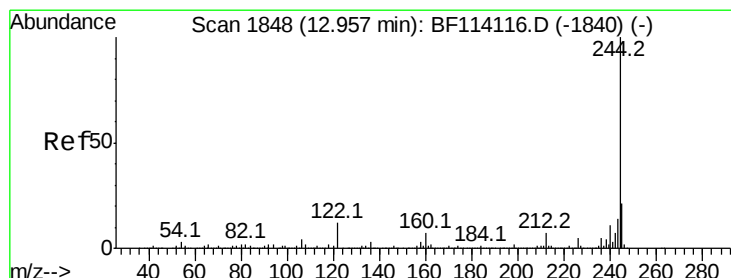
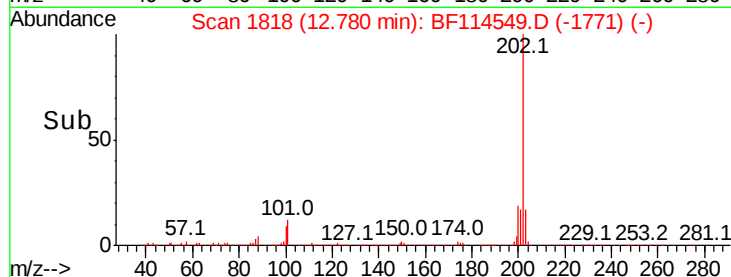
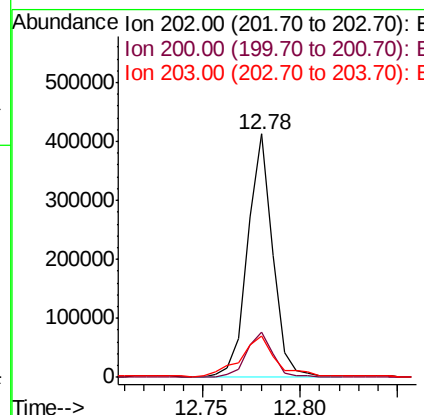
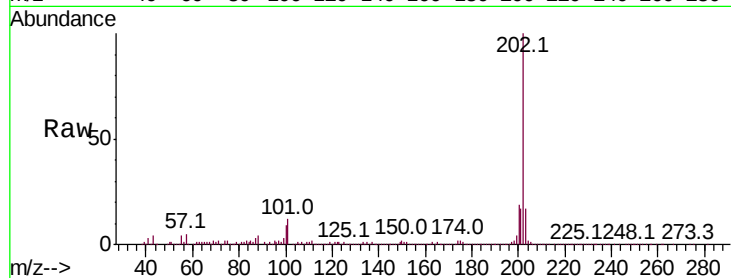




#78
Pvrene
Concen: 10.570 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

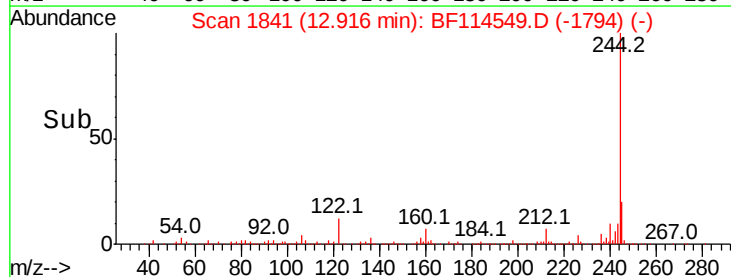
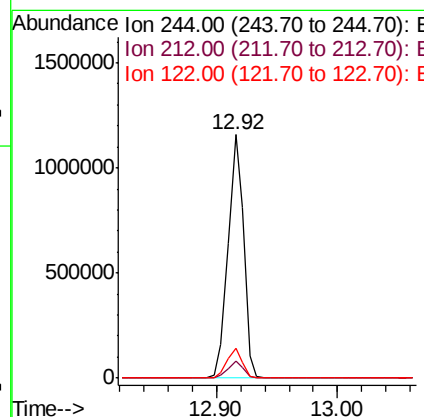
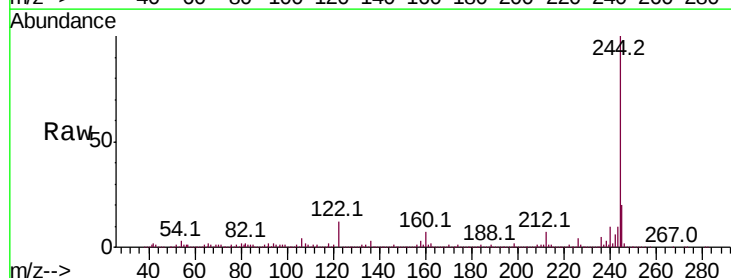
Instrument :
BNA_F
ClientSampled :
TP-8-S

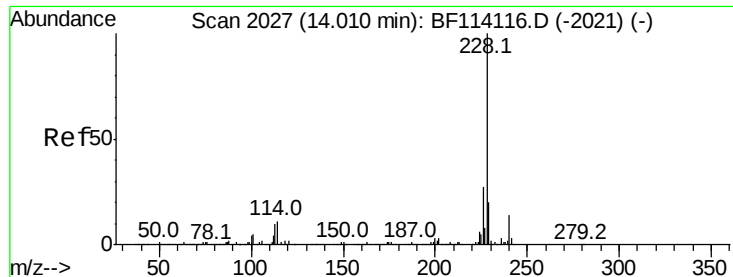
Tot Ion	Ratio	Lower	Upper
202	100		
200	18.8	16.9	25.3
203	16.9	14.5	21.7



#79
Terphenyl-d14
Concen: 49.234 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.02 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.0	9.4	14.2

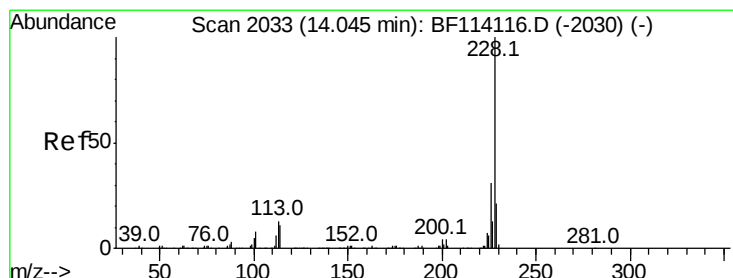
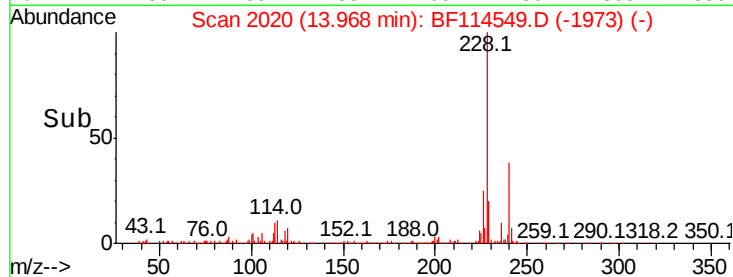
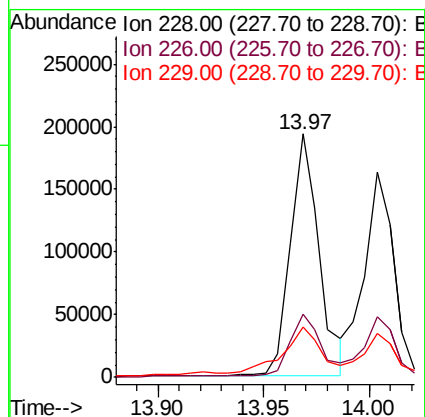
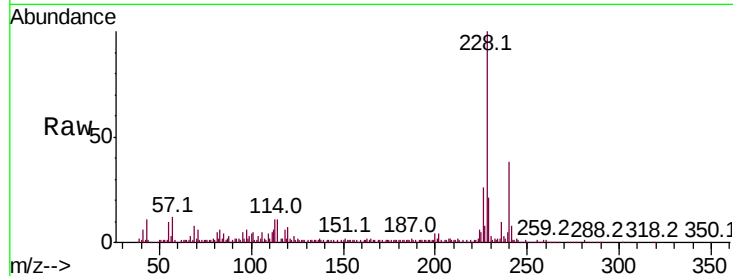




#81
Benzo(a)anthracene
Concen: 6.605 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

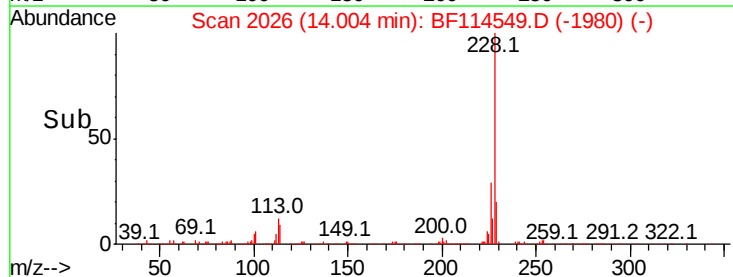
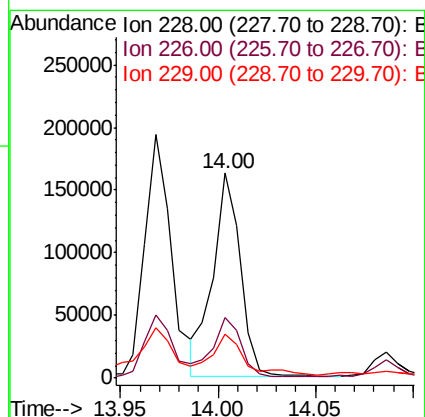
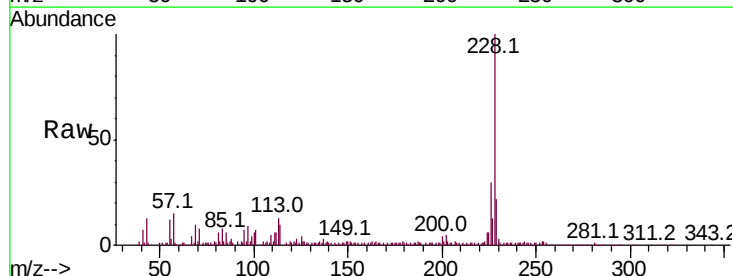
Instrument :
BNA_F
ClientSampleId :
TP-8-S

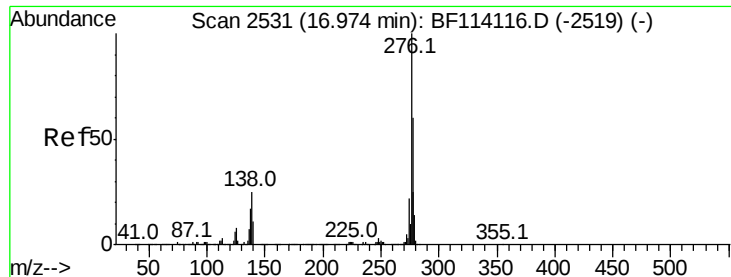
Tot Ion:228 Resp: 183770
Ion Ratio Lower Upper
228 100
226 25.7 22.2 33.2
229 20.6 16.4 24.6



#83
Chrysene
Concen: 5.838 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.03 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion:228 Resp: 159216
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.5 17.0 25.6

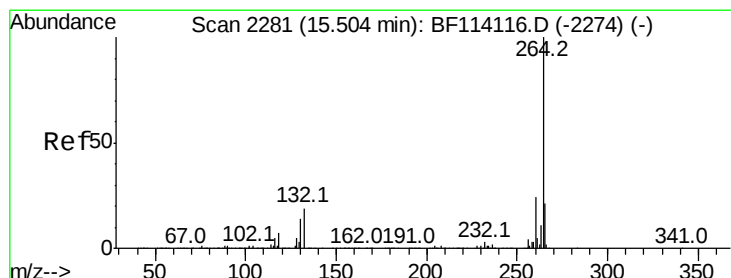
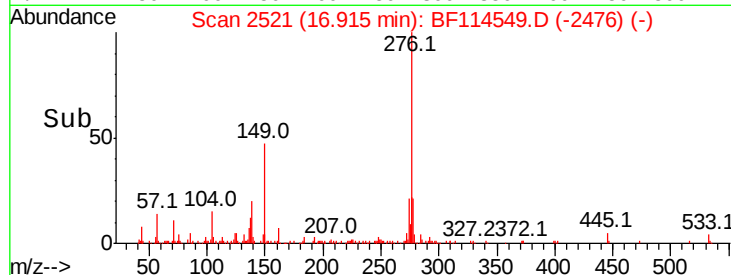
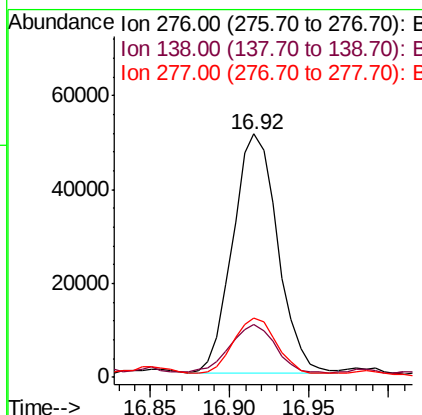
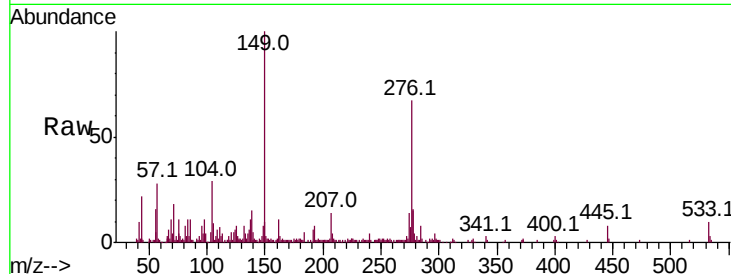




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.170 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.04 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

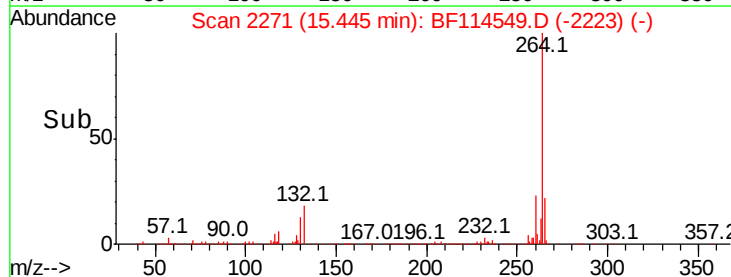
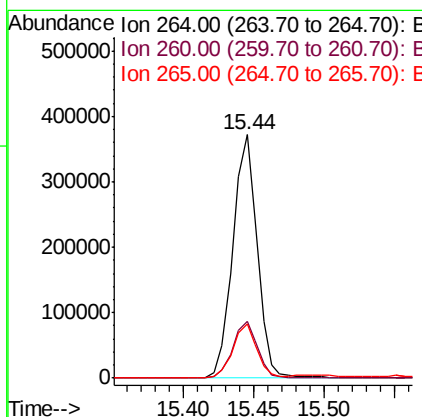
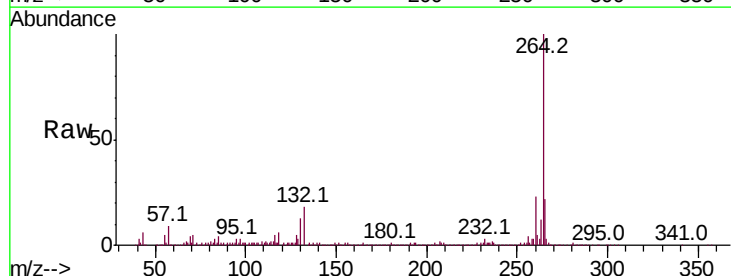
Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

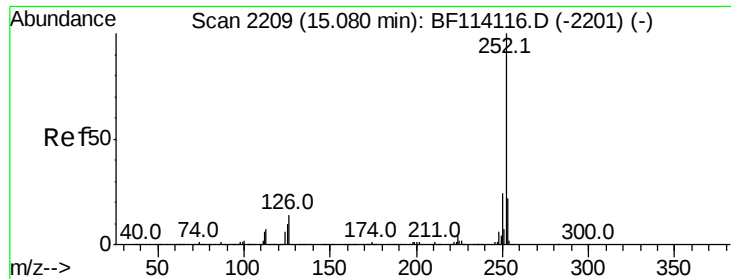
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	20.2	30.2
277	22.9	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	22.2	16.9	25.3

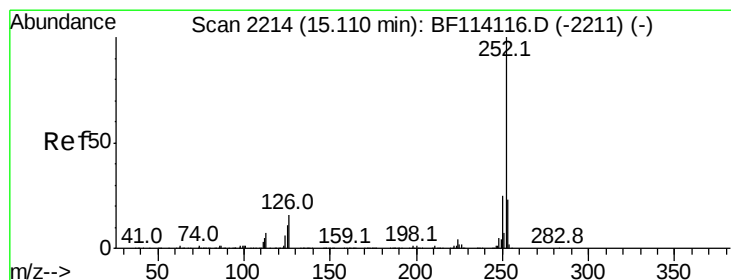
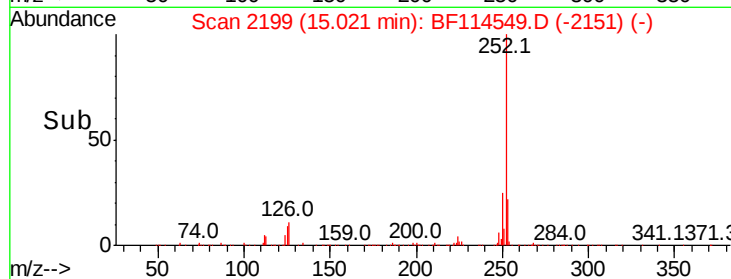
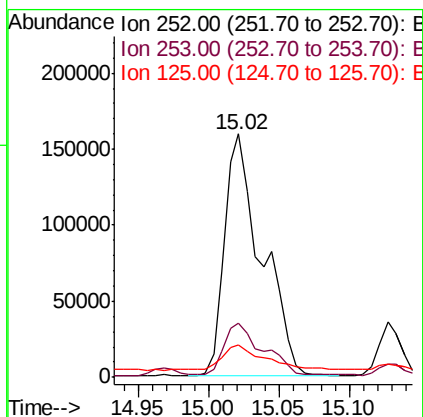
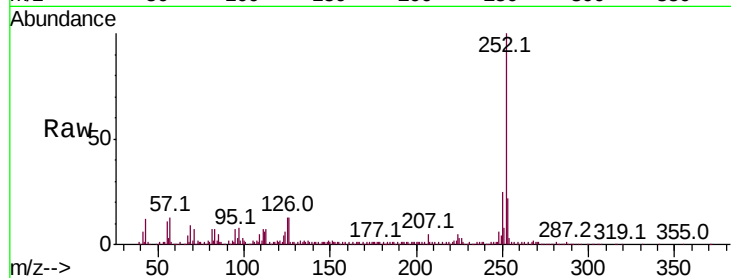




#88
Benzo(b)fluoranthene
Concen: 10.282 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

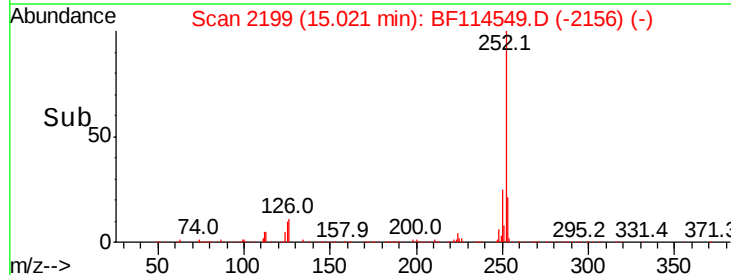
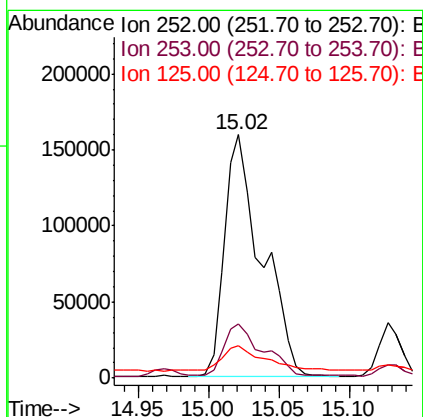
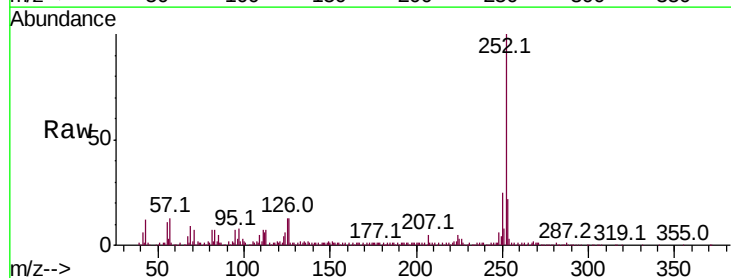
Instrument :
BNA_F
ClientSampleId :
TP-8-S

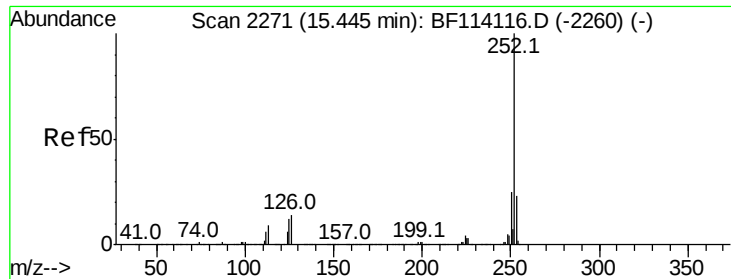
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	13.1	8.3	12.5#



#89
Benzo(k)fluoranthene
Concen: 11.193 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	13.1	8.6	13.0#

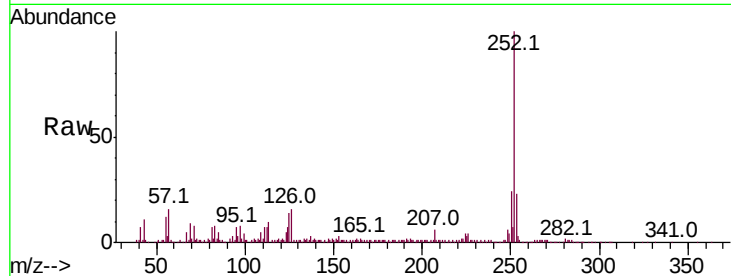




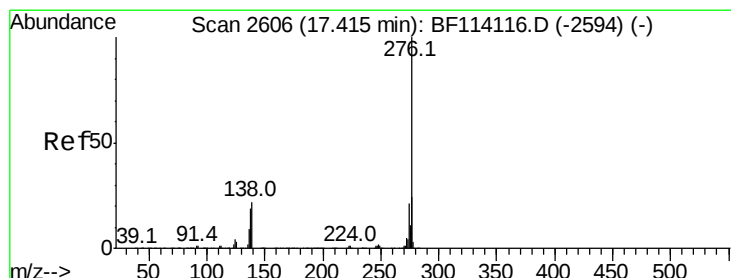
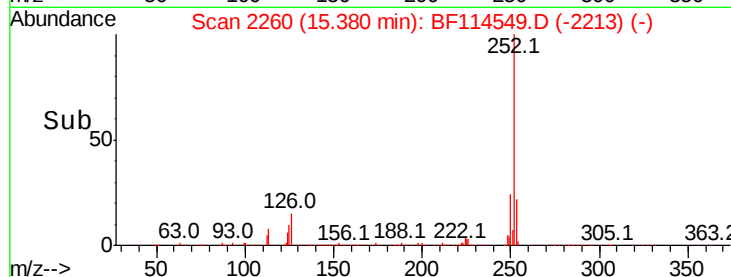
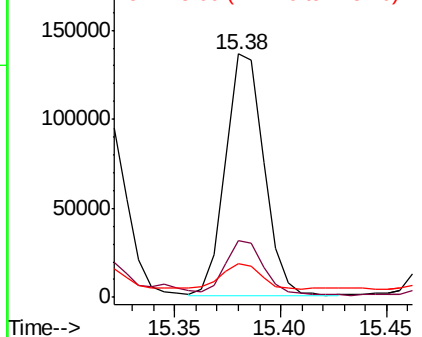
#90
Benzo(a)pyrene
Concen: 6.817 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion:252	Resp:	170558
Ion Ratio	Lower	Upper
252	100	
253	23.1	18.1 27.1
125	13.9	9.5 14.3

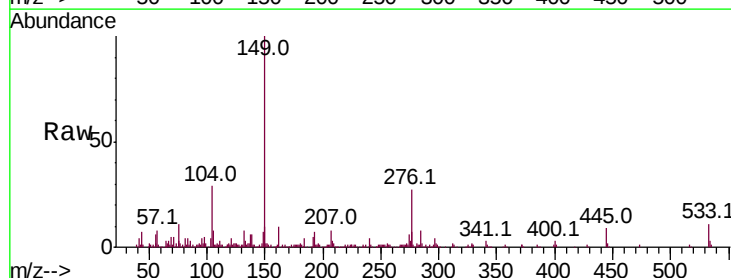


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.207 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion:276	Resp:	87649
Ion Ratio	Lower	Upper
276	100	
277	25.0	19.0 28.4
138	22.5	17.8 26.6



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

