

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
 Data File : BF114431.D
 Acq On : 20 May 2019 11:53
 Operator : JU/SJ
 Sample : K2894-02RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 14:24:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	181604	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	660634	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	274932	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	456475	20.00	ng	0.00
76) Chrysene-d12	14.00	240	370366	20.00	ng	0.00
87) Perylene-d12	15.48	264	477992	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1076584	95.40	ng	0.00
7) Phenol-d6	6.47	99	1394642	104.49	ng	-0.01
23) Nitrobenzene-d5	7.39	82	828456	70.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	249723	87.86	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1252799	68.93	ng	0.00
79) Terphenyl-d14	12.93	244	903052	50.26	ng	0.00

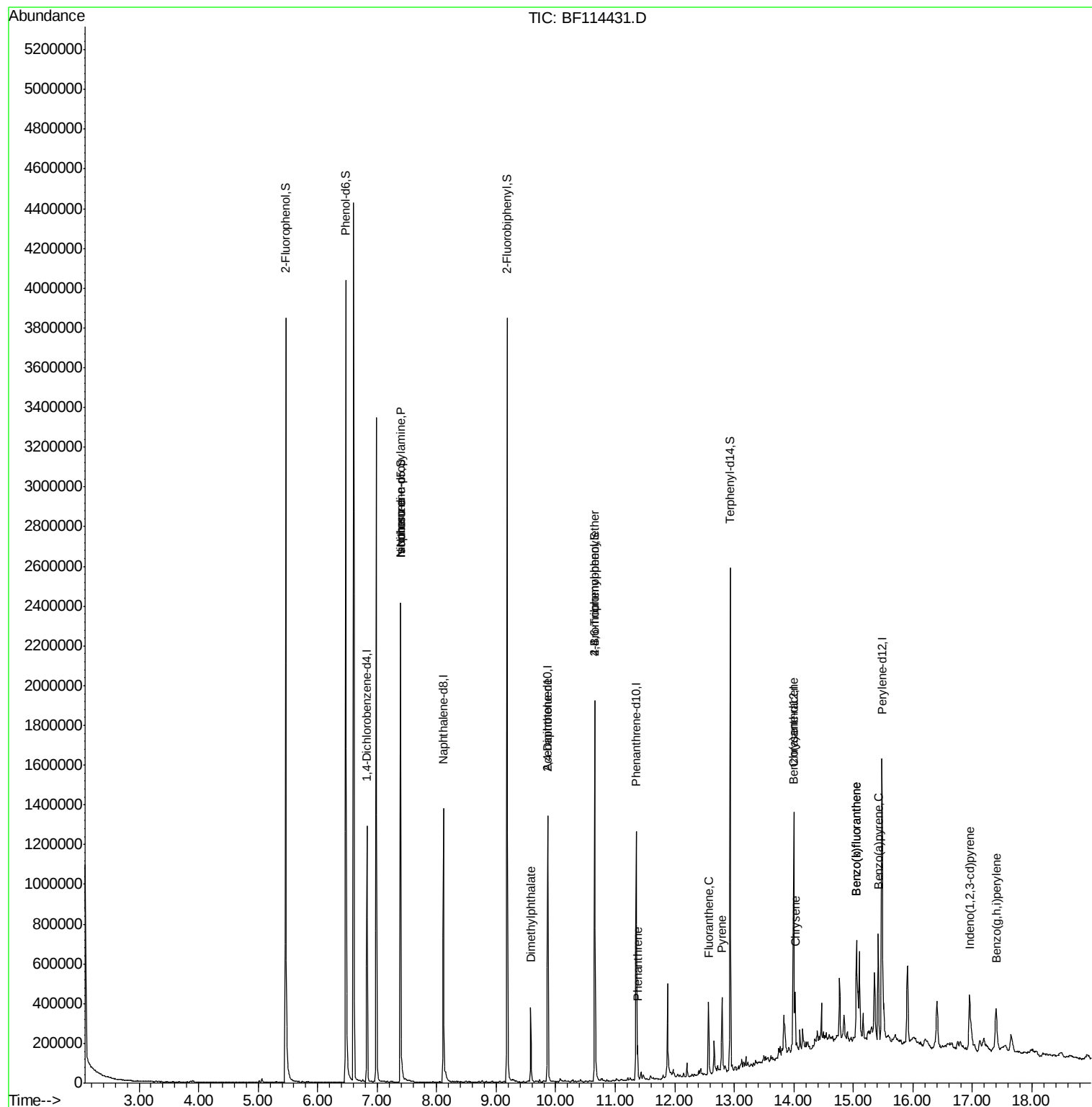
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	107948	12.760	ng	# 74
25) Isophorone	7.39	82	828450	37.947	ng	# 64
50) Dimethylphthalate	9.58	163	166608	8.255	ng	# 99
57) 2,4-Dinitrotoluene	9.86	165	33981	5.593	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	15574	3.099	ng	# 1
71) Phenanthrene	11.37	178	56460	2.542	ng	95
75) Fluoranthene	12.57	202	153260	6.408	ng	97
78) Pyrene	12.79	202	159767	5.362	ng	97
81) Benzo(a)anthracene	13.99	228	129497	5.406	ng	98
83) Chrysene	14.02	228	109311	4.655	ng	99
86) Indeno(1,2,3-cd)pyrene	16.95	276	177547	8.555	ng	97
88) Benzo(b)fluoranthene	15.05	252	369062	12.052	ng	97
89) Benzo(k)fluoranthene	15.05	252	369062	13.120	ng	98
90) Benzo(a)pyrene	15.42	252	272407	10.108	ng	99
92) Benzo(a,h,i)perylene	17.40	276	179866	8.014	ng	99

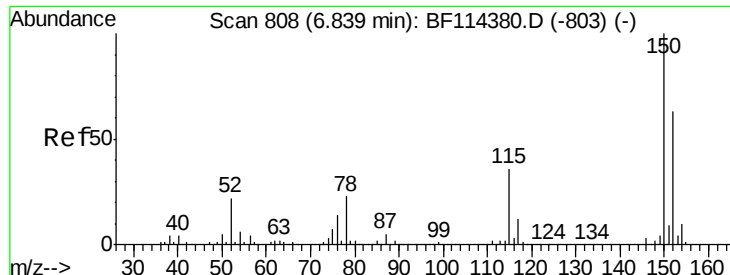
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
Data File : BF114431.D
Acq On : 20 May 2019 11:53
Operator : JU/SJ
Sample : K2894-02RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 20 14:24:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 04:47:40 2019
Response via : Initial Calibration



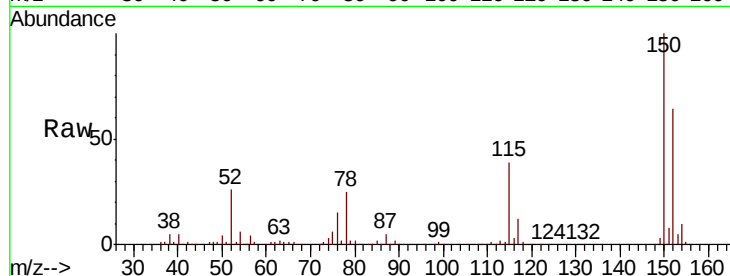


#1

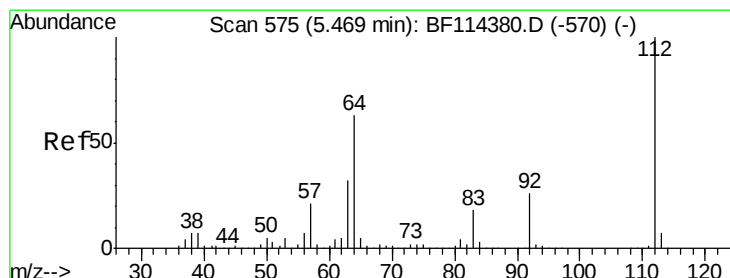
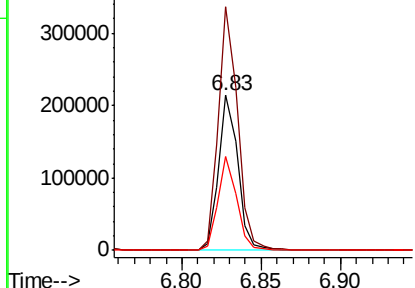
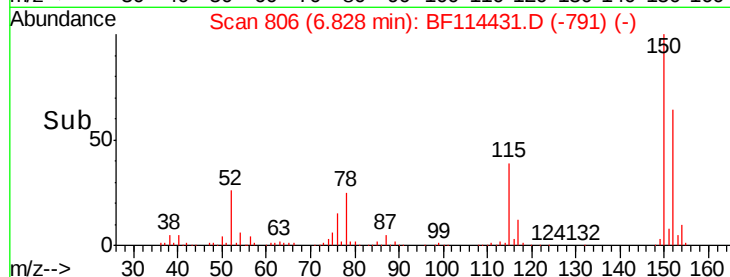
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 181604
Ion Ratio Lower Upper
152 100
150 156.9 124.3 186.5
115 60.7 49.1 73.7



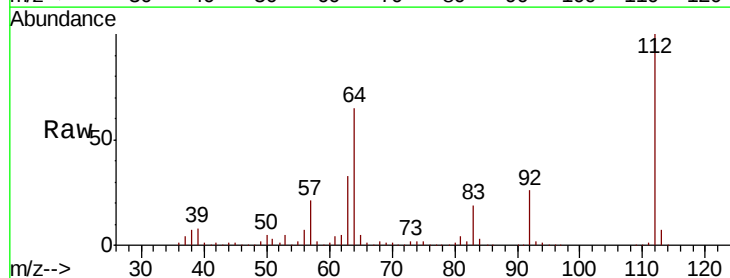
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



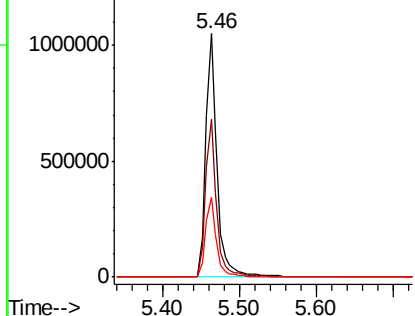
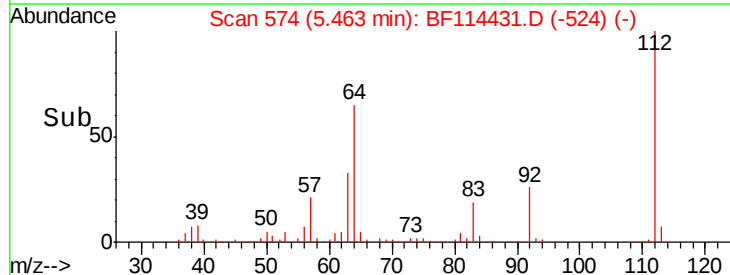
#5

2-Fluorophenol
Concen: 95.400 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion:112 Resp: 1076584
Ion Ratio Lower Upper
112 100
64 64.8 49.0 73.6
63 33.0 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: 104.491 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Instrument :

BNA_F

ClientSampleId :

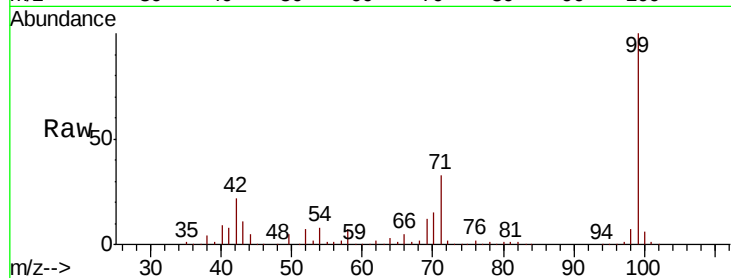
Tot Ion: 99 Resp: 1394642

Ion Ratio Lower Upper

99 100

42 22.0 17.9 26.9

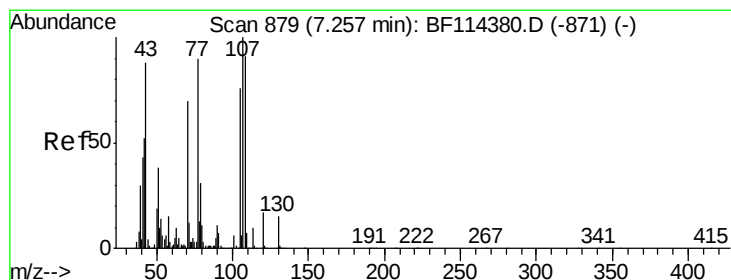
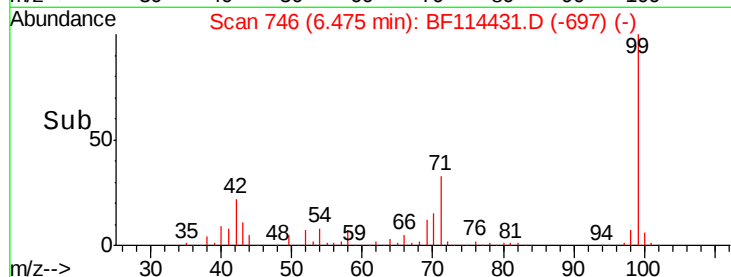
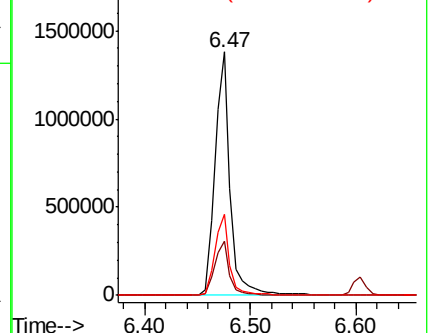
71 33.1 26.2 39.2



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: 12.760 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Tgt Ion: 70 Resp: 107948

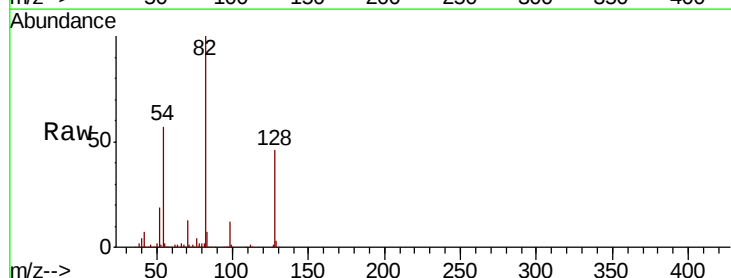
Ion Ratio Lower Upper

70 100

42 55.1 58.6 87.8#

101 0.0 7.8 11.8#

130 2.5 17.1 25.7#

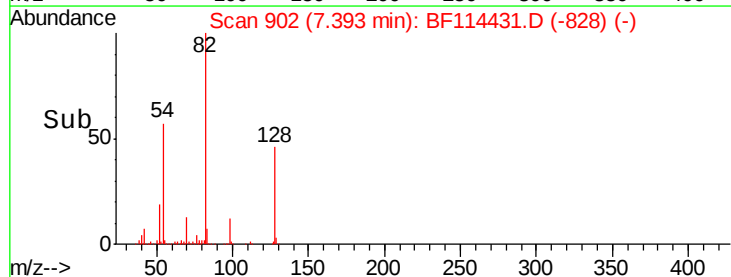
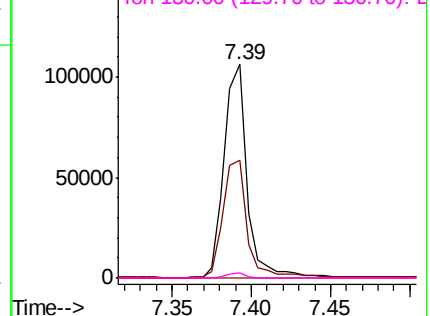


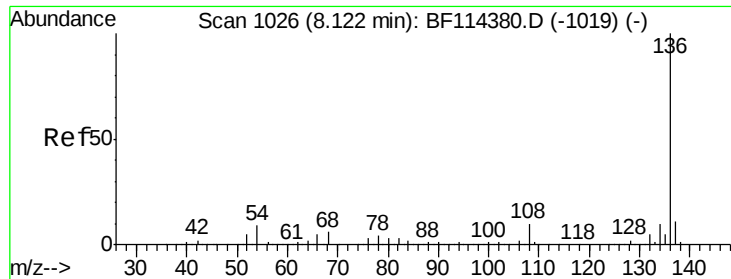
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

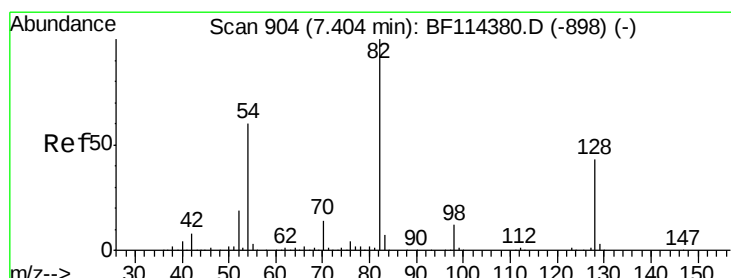
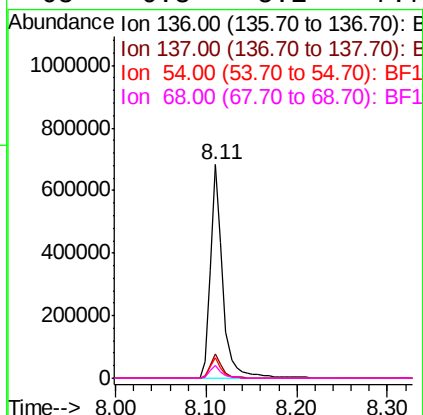
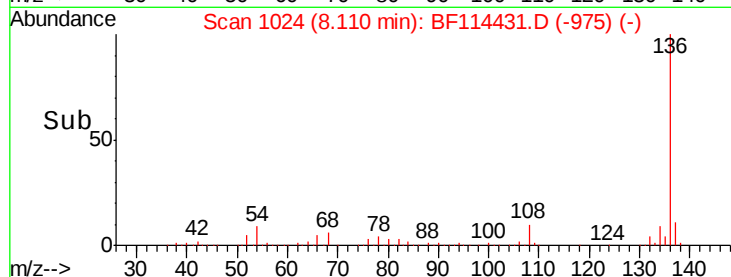
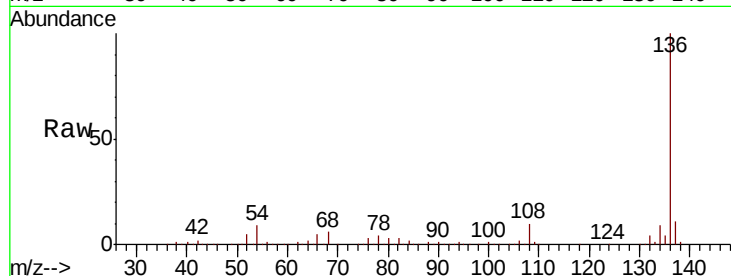




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

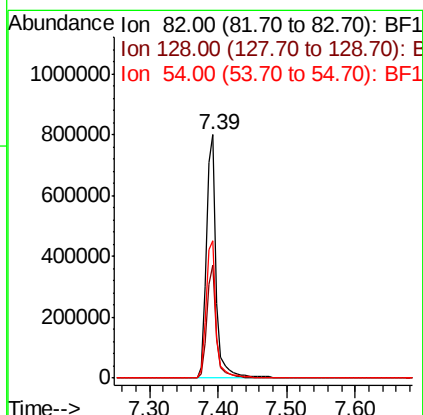
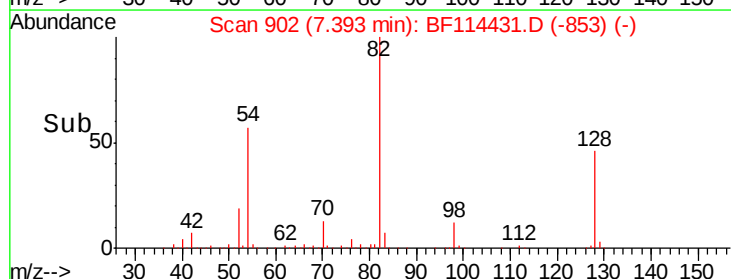
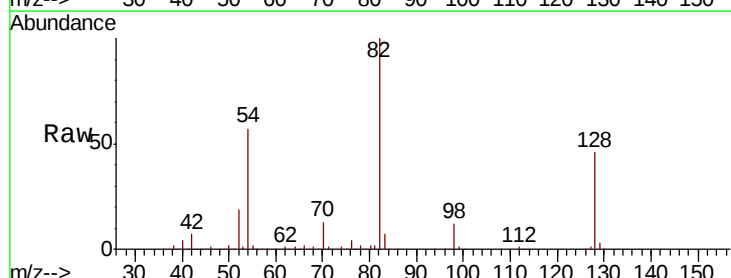
Instrument :
BNA_F
ClientSampleId :

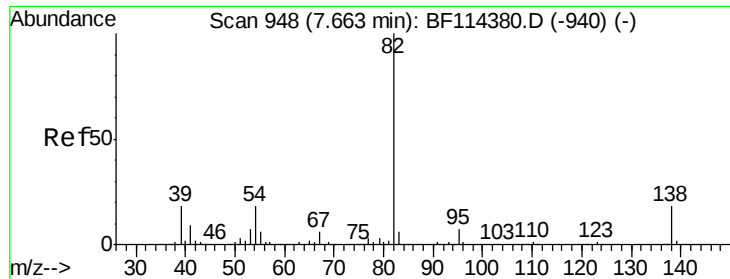
Tot Ion:136	Resp:	660634
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.8 13.2
54	9.4	7.8 11.8
68	6.3	5.1 7.7



#23
Nitrobenzene-d5
Concen: 70.376 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion: 82	Resp:	828456
Ion Ratio	Lower	Upper
82	100	
128	46.2	35.5 53.3
54	56.6	48.5 72.7





#25

Isophorone

Concen: 37.947 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.27 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Instrument :

BNA_F

ClientSampleId :

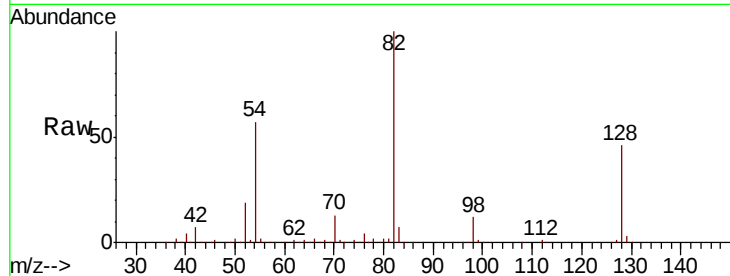
Tot Ion: 82 Resp: 828450

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

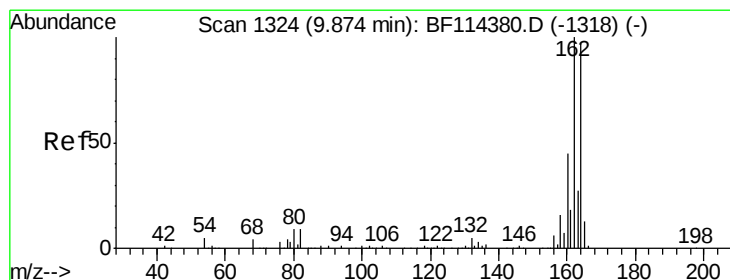
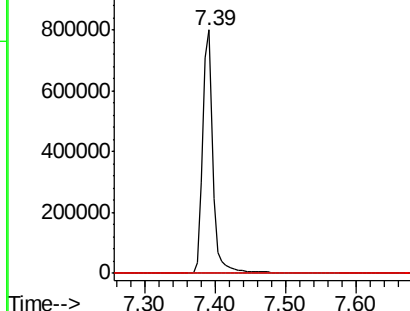
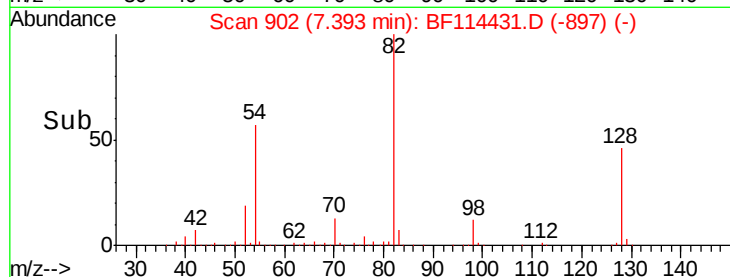
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

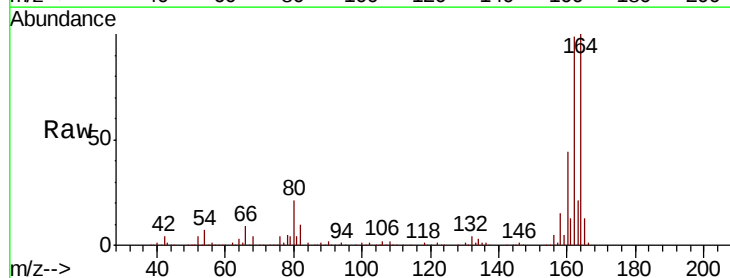
Tgt Ion: 164 Resp: 274932

Ion Ratio Lower Upper

164 100

162 98.9 80.6 120.8

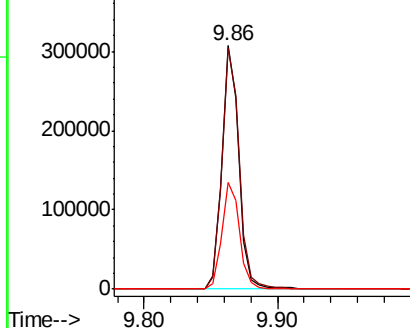
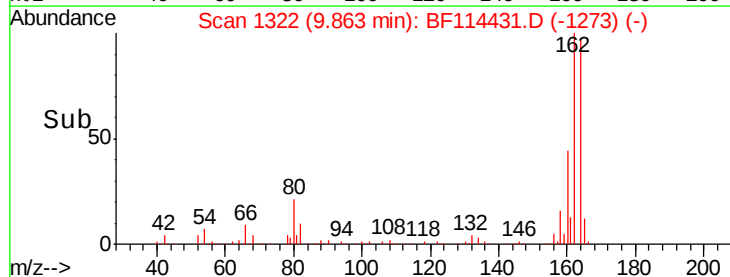
160 43.7 36.5 54.7

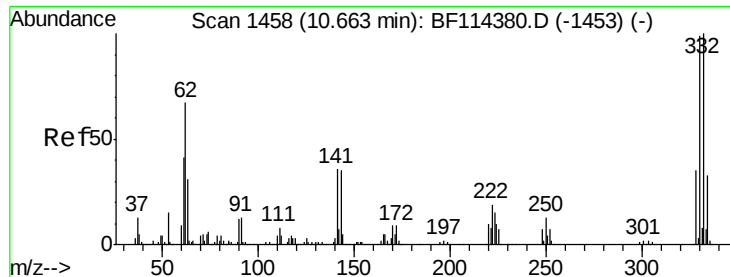


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

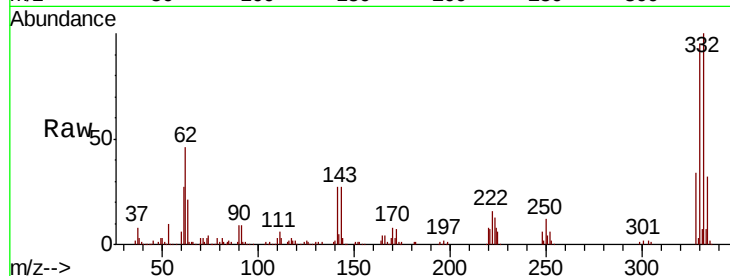




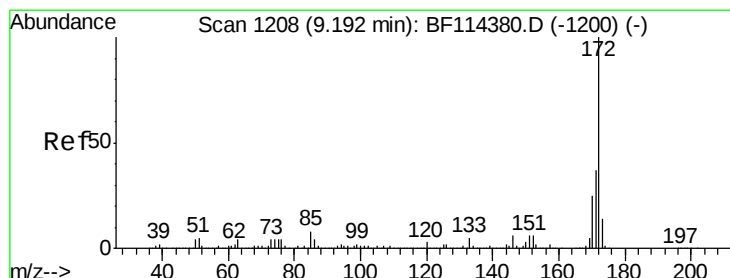
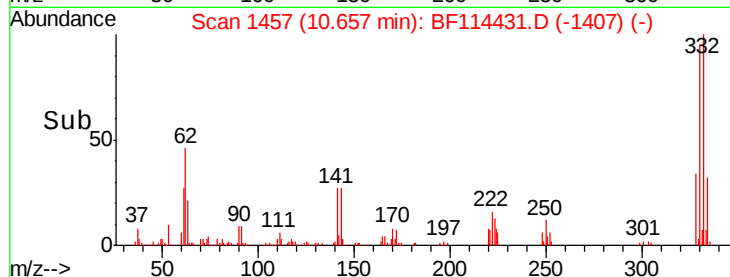
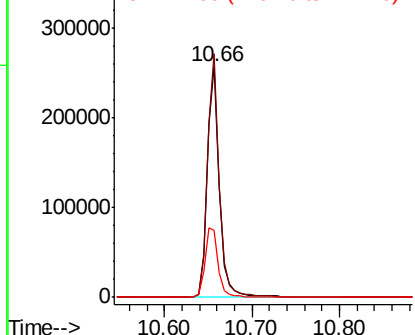
#42
 2,4,6-Tribromophenol
 Concen: 87.858 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF114431.D
 Acq: 20 May 2019 11:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.7	81.4	122.2
141	32.8	26.6	40.0

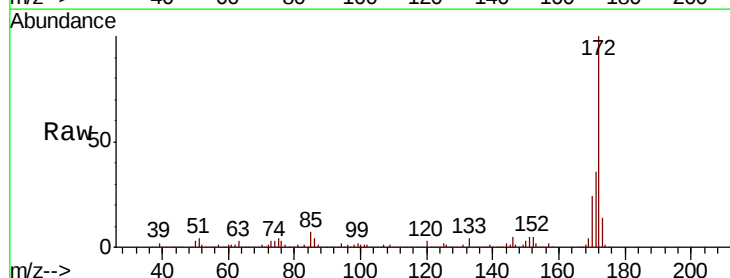


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

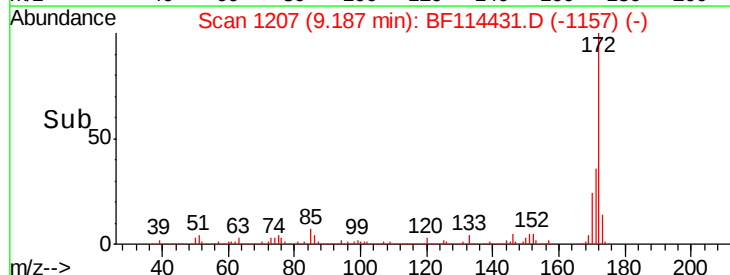
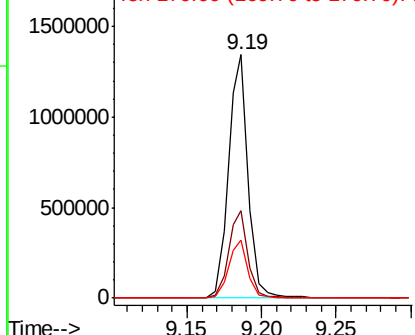


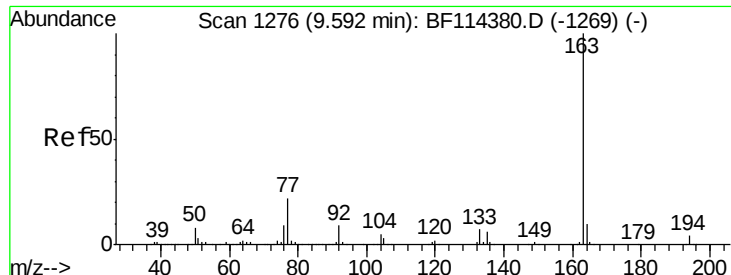
#45
 2-Fluorobiphenyl
 Concen: 68.929 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF114431.D
 Acq: 20 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.7	46.1
170	23.7	20.5	30.7



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

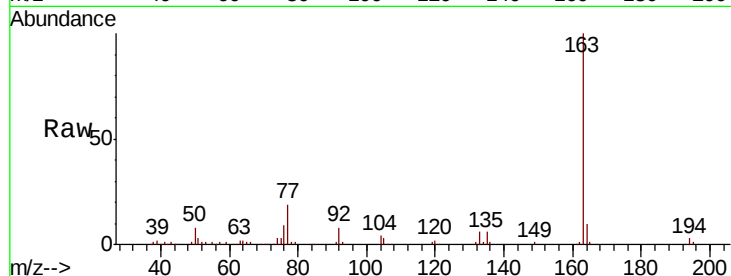




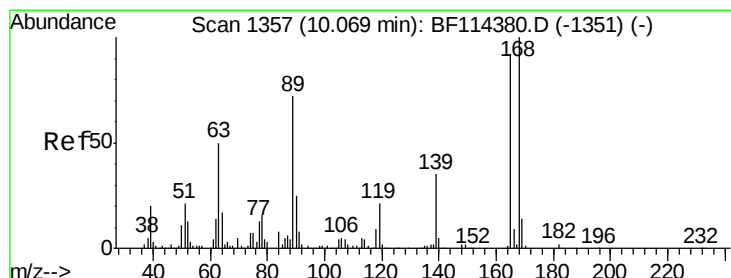
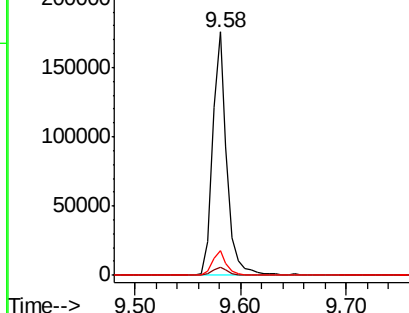
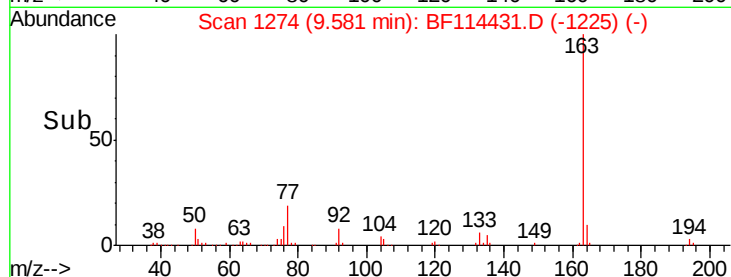
#50
Dimethylphthalate
Concen: 8.255 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 166608
Ion Ratio Lower Upper
163 100
194 3.2 3.4 5.0#
164 10.2 8.2 12.2

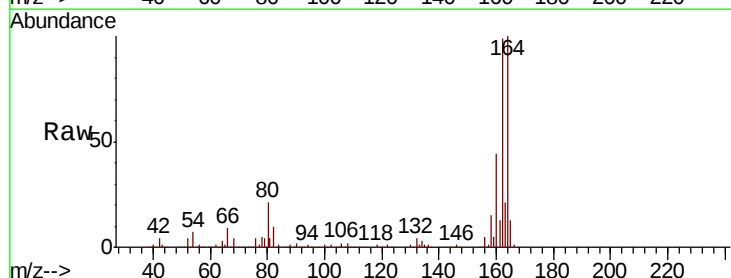


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

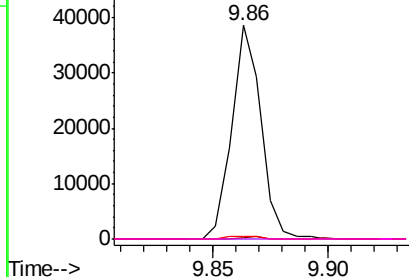
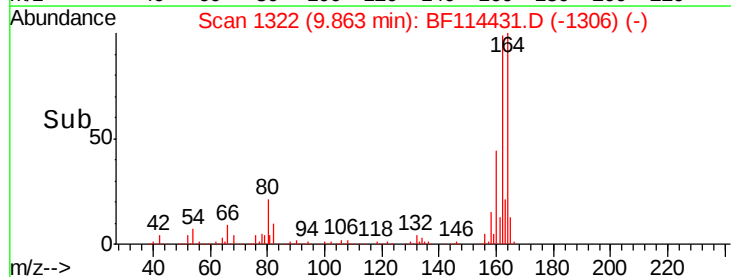


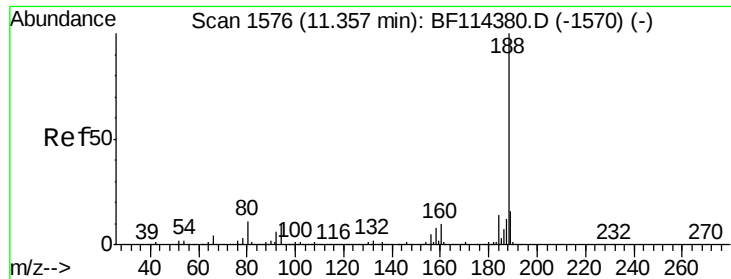
#57
2,4-Dinitrotoluene
Concen: 5.593 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.21 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion:165 Resp: 33981
Ion Ratio Lower Upper
165 100
63 0.8 35.5 53.3#
89 1.4 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: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Instrument :

BNA_F

ClientSampleId :

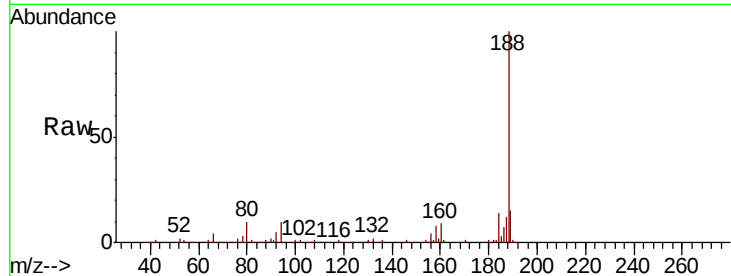
Tot Ion:188 Resp: 456475

Ion Ratio Lower Upper

188 100

94 10.0 8.4 12.6

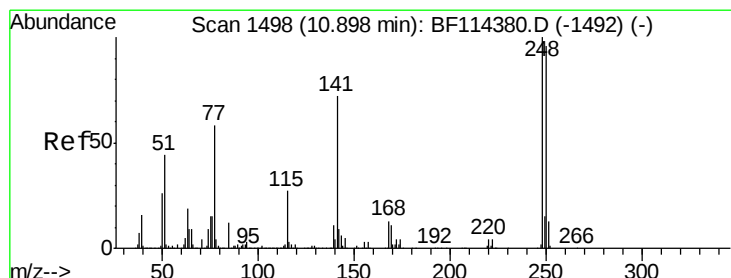
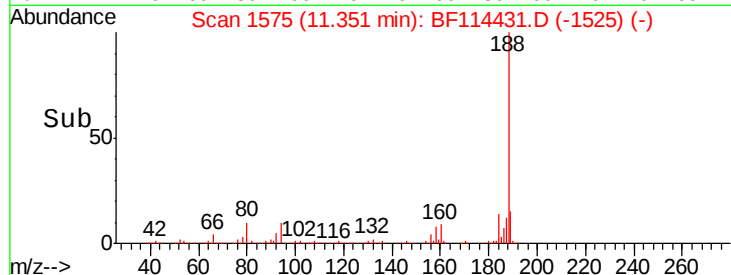
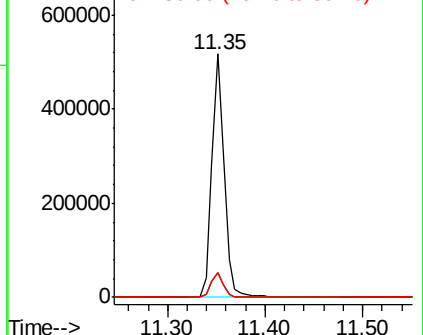
80 10.3 9.2 13.8



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: 3.099 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.24 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

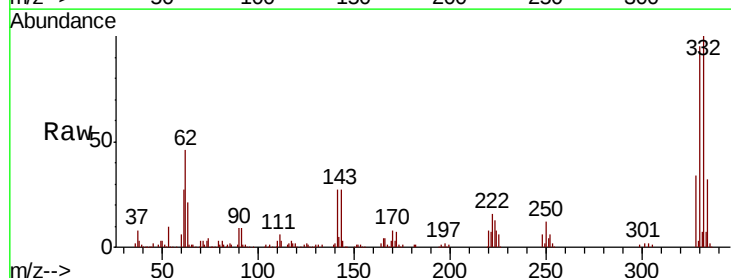
Tgt Ion:248 Resp: 15574

Ion Ratio Lower Upper

248 100

250 192.5 77.4 116.2#

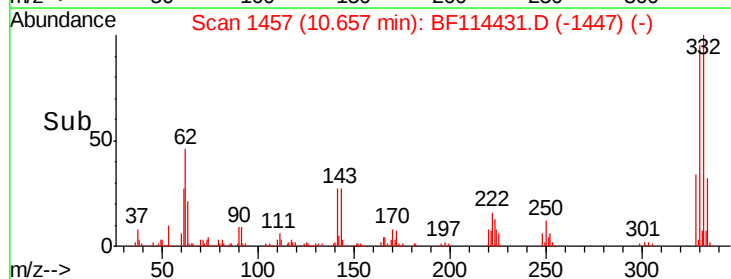
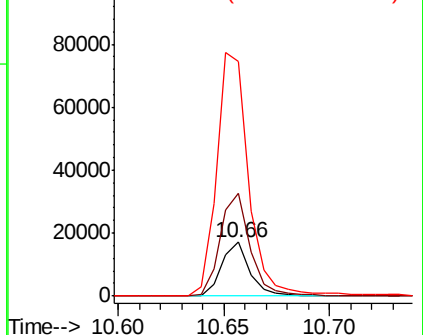
141 436.6 55.6 83.4#

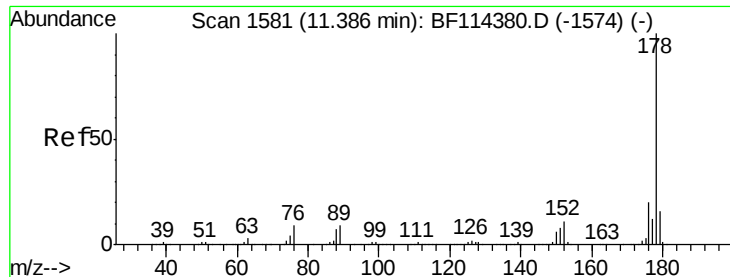


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

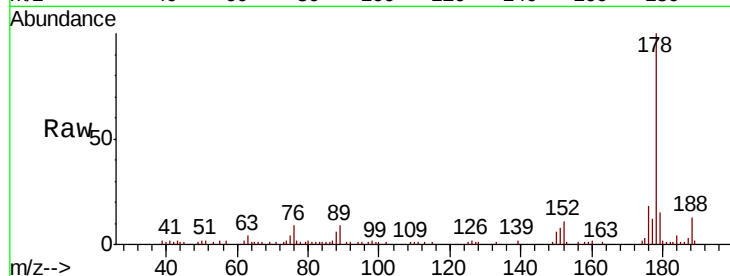




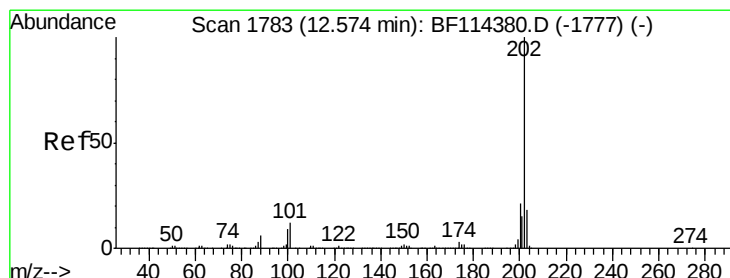
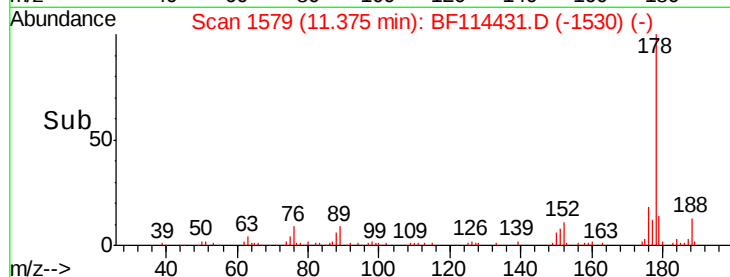
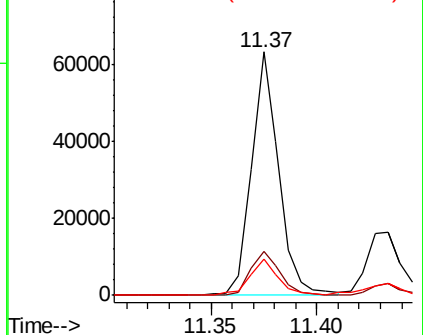
#71
Phenanthrene
Concen: 2.542 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 56460
Ion Ratio Lower Upper
178 100
176 18.1 16.4 24.6
179 14.9 13.2 19.8

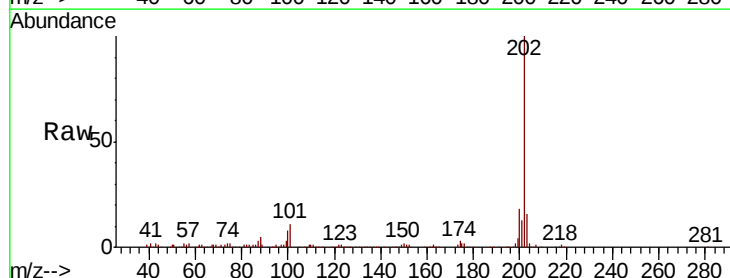


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

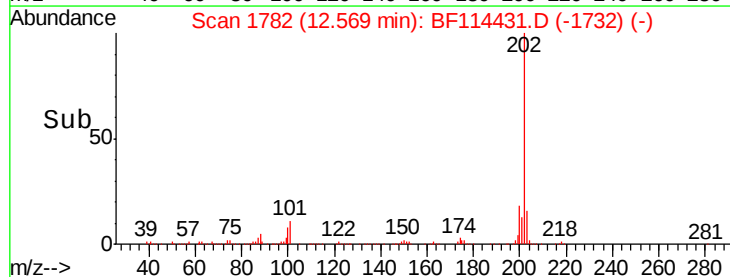
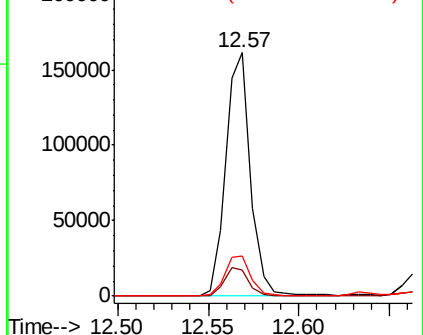


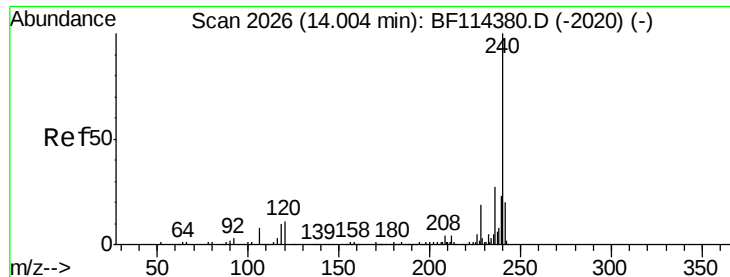
#75
Fluoranthene
Concen: 6.408 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion:202 Resp: 153260
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.0
203 16.2 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

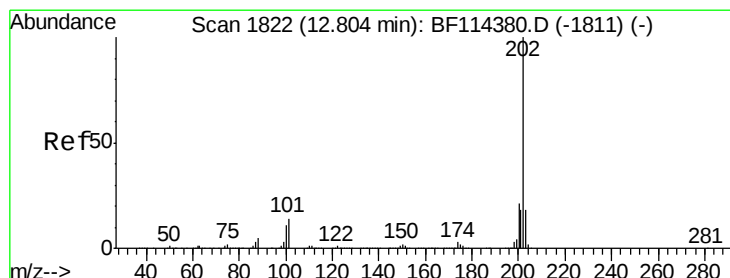
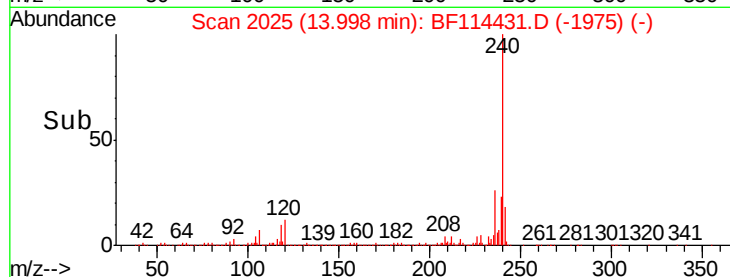
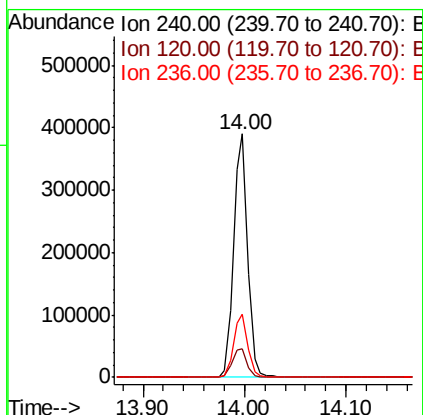
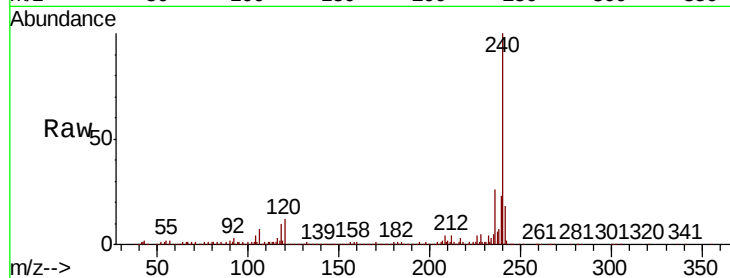




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

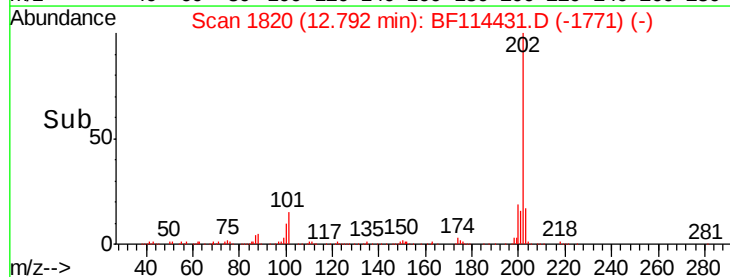
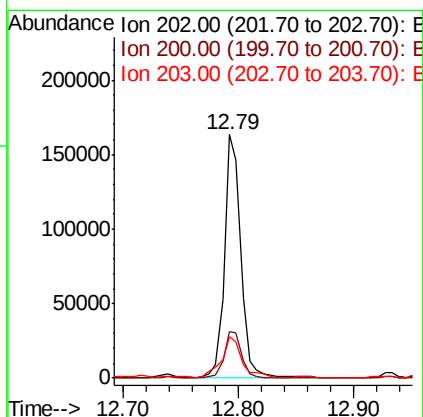
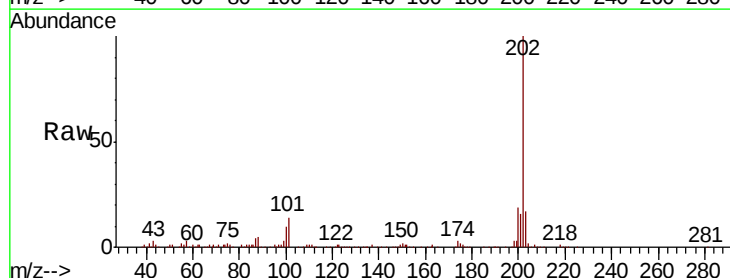
Instrument :
BNA_F
ClientSampled :

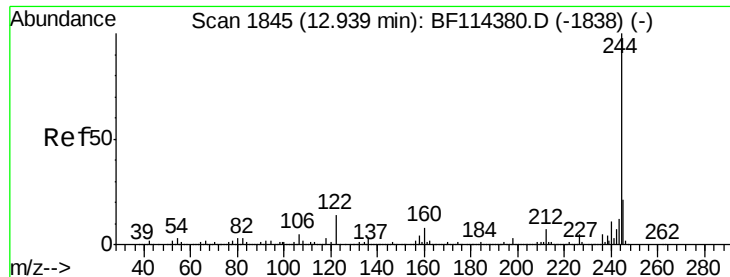
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.3	12.5
236	25.8	20.8	31.2



#78
Pyrene
Concen: 5.362 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.2	16.9	25.3
203	16.9	14.5	21.7





#79

Terphenyl-d14

Concen: 50.263 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Instrument :

BNA_F

ClientSampleId :

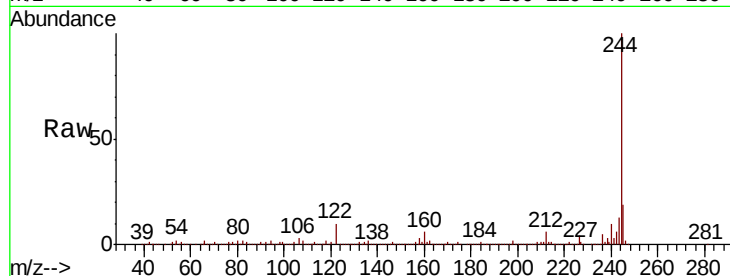
Tot Ion:244 Resp: 903052

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

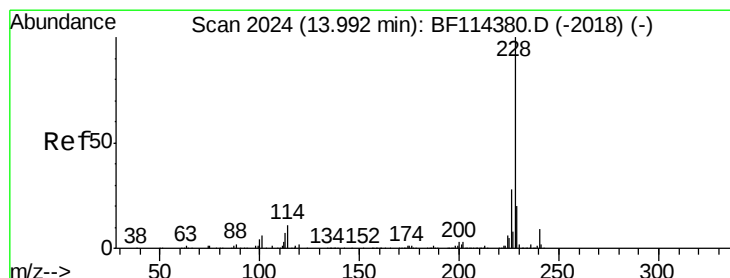
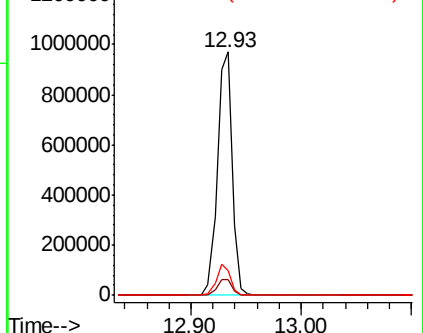
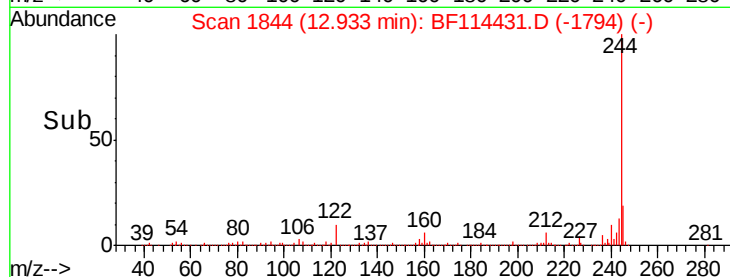
122 10.3 9.4 14.2



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: 5.406 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

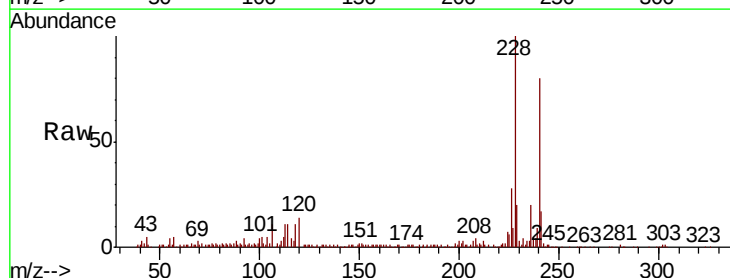
Tgt Ion:228 Resp: 129497

Ion Ratio Lower Upper

228 100

226 28.4 22.2 33.2

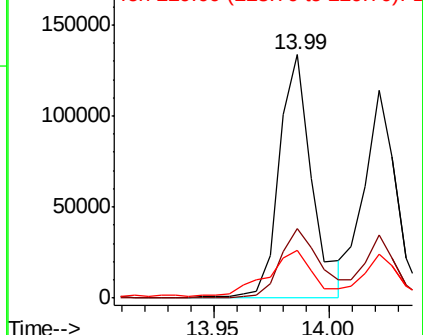
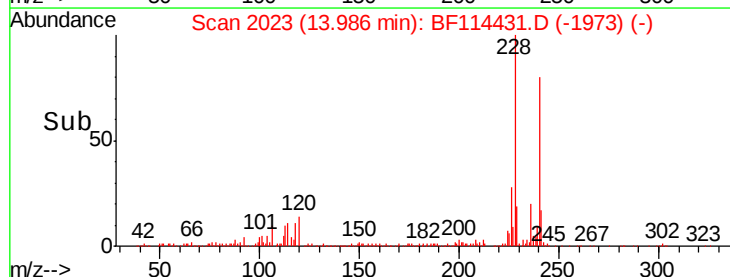
229 19.7 16.4 24.6

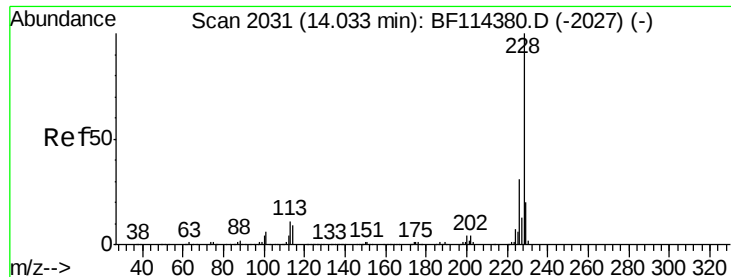


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

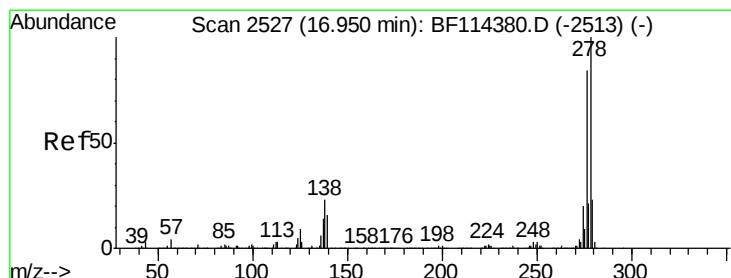
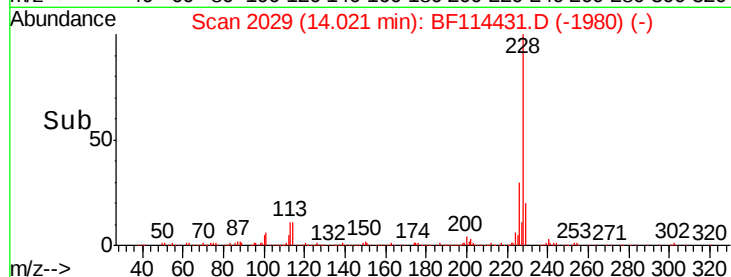
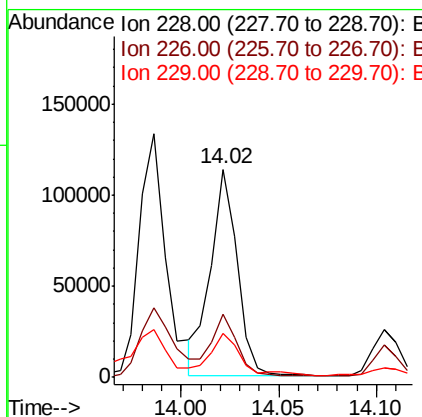
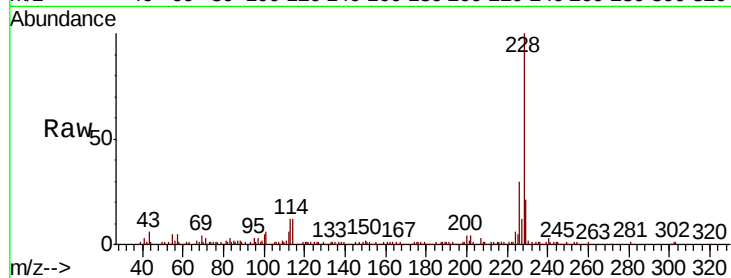




#83
Chrysene
Concen: 4.655 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

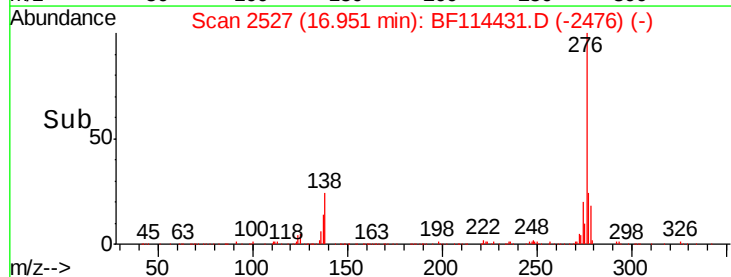
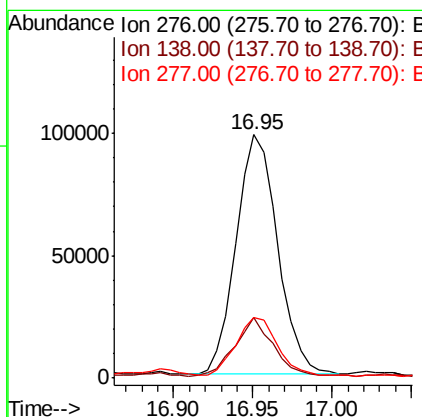
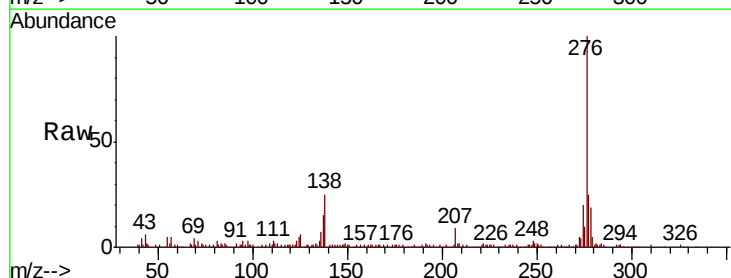
Instrument :
BNA_F
ClientSampleId :

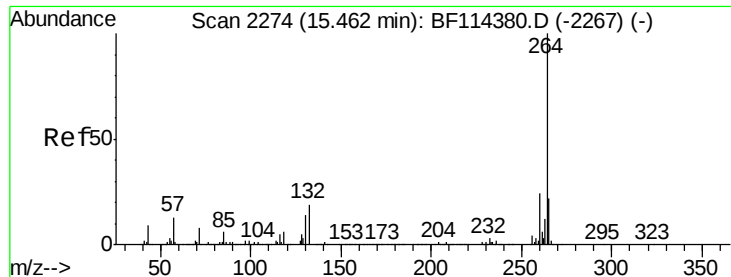
Tot Ion:228	Resp:	109311
Ion	Ratio	Lower Upper
228	100	
226	30.1	25.0 37.6
229	21.1	17.0 25.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.555 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion:276	Resp:	177547
Ion	Ratio	Lower Upper
276	100	
138	23.0	20.2 30.2
277	24.4	20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.02 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

Instrument :

BNA_F

ClientSampleId :

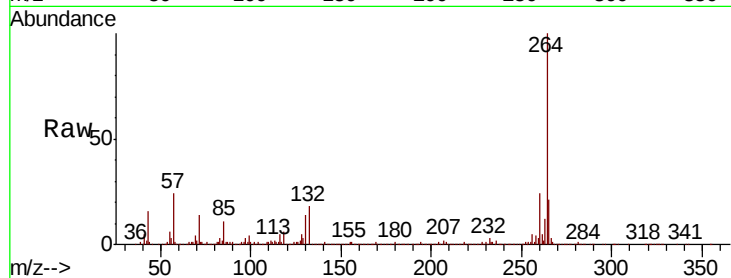
Tot Ion:264 Resp: 477992

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

265 21.0 16.9 25.3

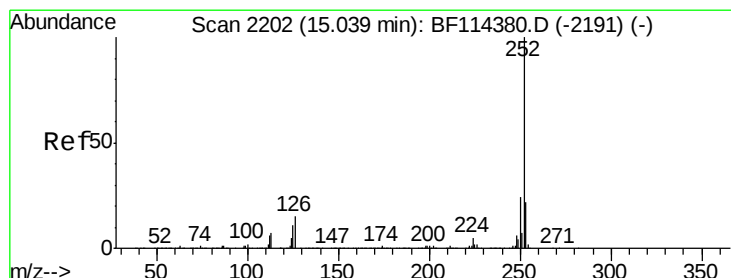
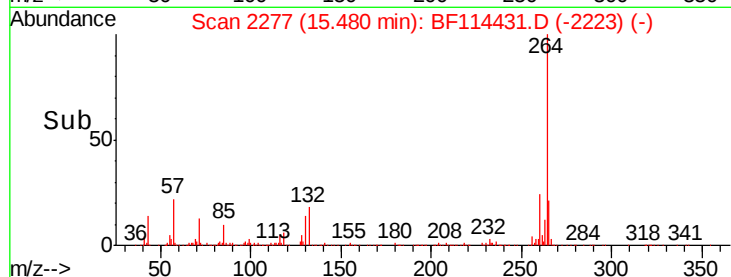
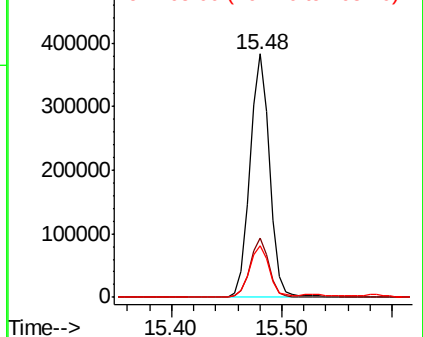


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.052 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF114431.D

Acq: 20 May 2019 11:53

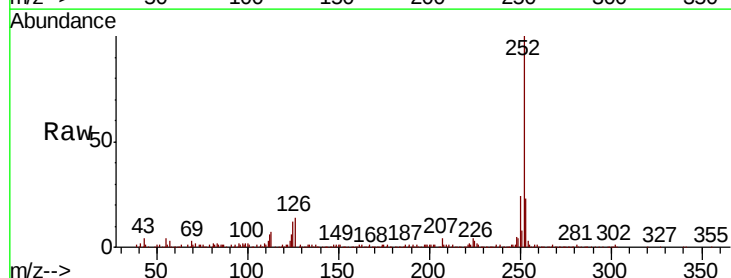
Tgt Ion:252 Resp: 369062

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 12.4 8.3 12.5

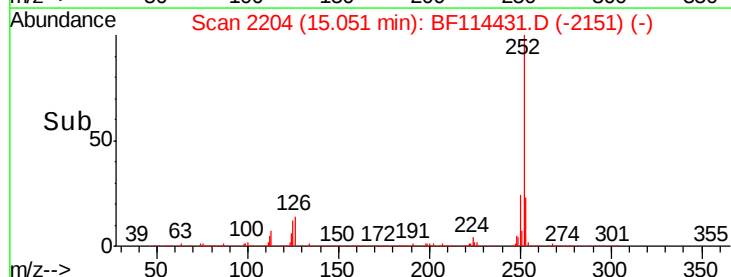
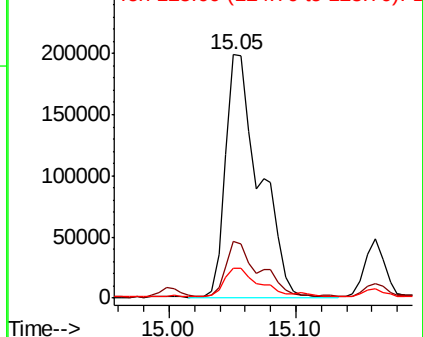


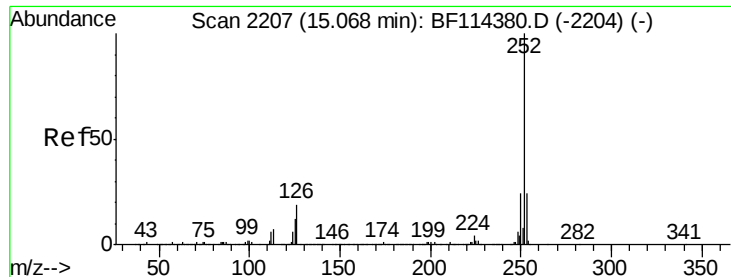
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

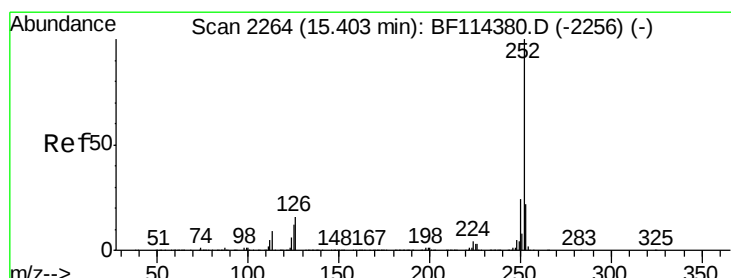
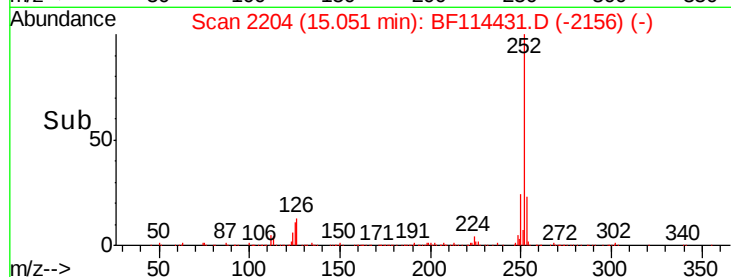
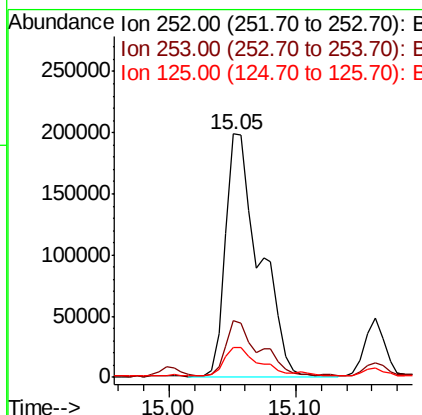
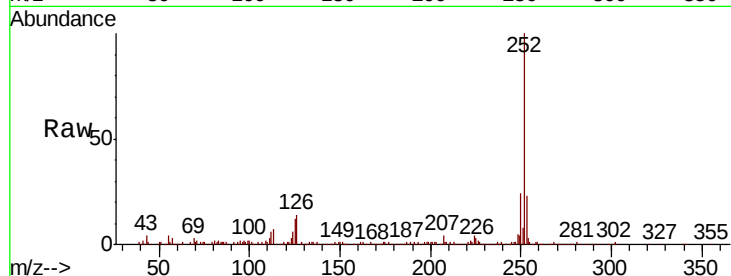




#89
Benzo(k)fluoranthene
Concen: 13.120 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

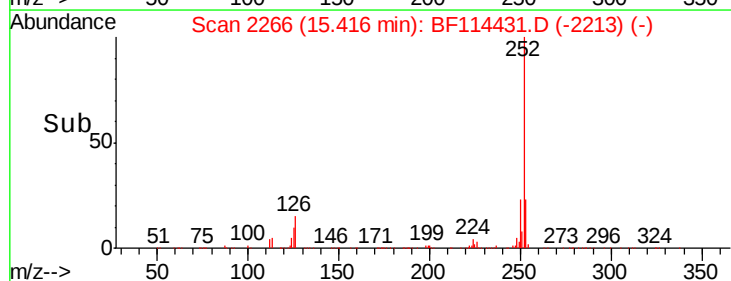
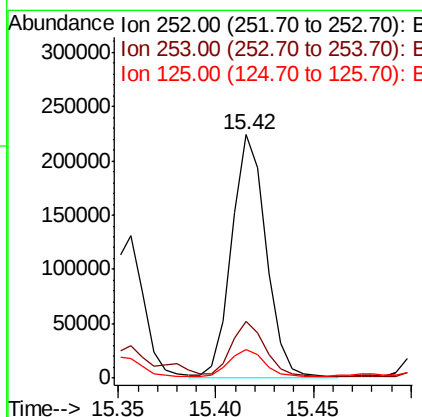
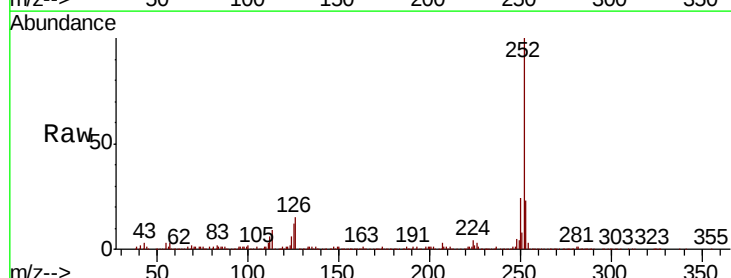
Instrument :
BNA_F
ClientSampled :

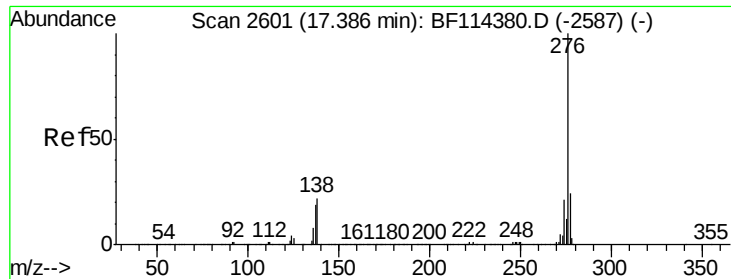
Tot Ion:252 Resp: 369062
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 12.4 8.6 13.0



#90
Benzo(a)pyrene
Concen: 10.108 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF114431.D
Acq: 20 May 2019 11:53

Tgt Ion:252 Resp: 272407
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 11.8 9.5 14.3





#92
 Benzo(a,h,i)perylene
 Concen: 8.014 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.01 min
 Lab File: BF114431.D
 Acq: 20 May 2019 11:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	22.7	17.8	26.6

