

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114553.D
 Acq On : 24 May 2019 4:38
 Operator : JU/SJ
 Sample : K2647-13 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-052219-B

Quant Time: May 24 07:22:58 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

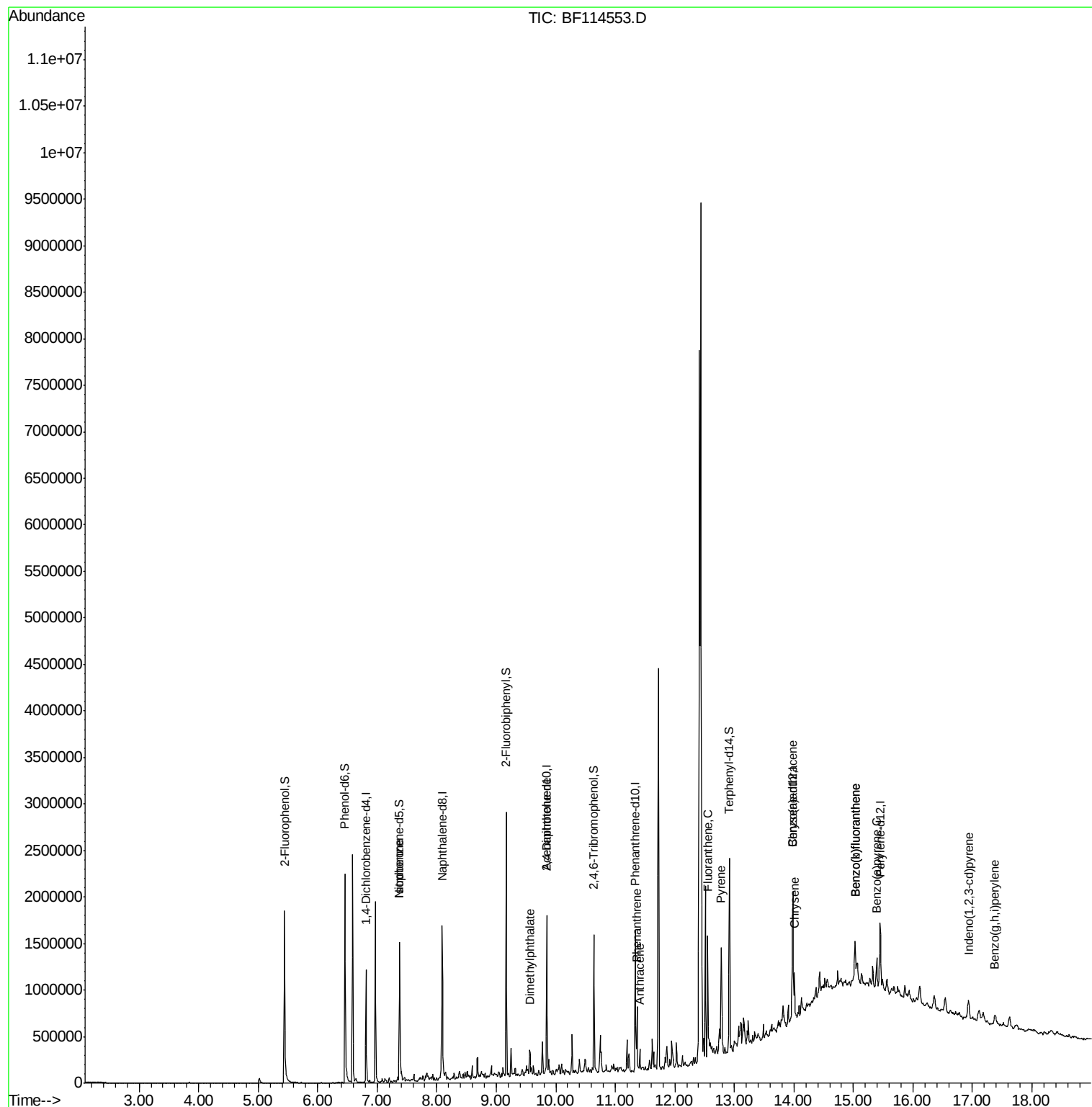
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	183842	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	700035	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	326362	20.00	ng	-0.02
64) Phenanthrene-d10	11.34	188	583732	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	404044	20.00	ng	-0.02
87) Perylene-d12	15.45	264	314626	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	585670	51.27	ng	-0.03
7) Phenol-d6	6.46	99	769770	56.97	ng	-0.03
23) Nitrobenzene-d5	7.37	82	455281	36.50	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	164560	48.77	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	819501	37.98	ng	-0.02
79) Terphenyl-d14	12.92	244	724803	36.98	ng	-0.02
Target Compounds						
25) Isophorone	7.37	82	451485	19.516	ng	Qvalue # 64
50) Dimethylphthalate	9.56	163	65113	2.718	ng	98
57) 2,4-Dinitrotoluene	9.85	165	44789	6.210	ng	# 26
71) Phenanthrene	11.36	178	267241	9.410	ng	97
72) Anthracene	11.42	178	96389	3.379	ng	94
75) Fluoranthene	12.55	202	508825	16.638	ng	98
78) Pyrene	12.78	202	470137	14.464	ng	99
81) Benzo(a)anthracene	13.97	228	225643	8.634	ng	99
83) Chrysene	14.01	228	214650	8.379	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	87633	3.871	ng	95
88) Benzo(b)fluoranthene	15.03	252	319492	15.850	ng	# 84
89) Benzo(k)fluoranthene	15.03	252	319189	17.239	ng	# 85
90) Benzo(a)pyrene	15.39	252	168179	9.480	ng	# 97
92) Benzo(a,h,i)perylene	17.38	276	86393	5.848	ng	96

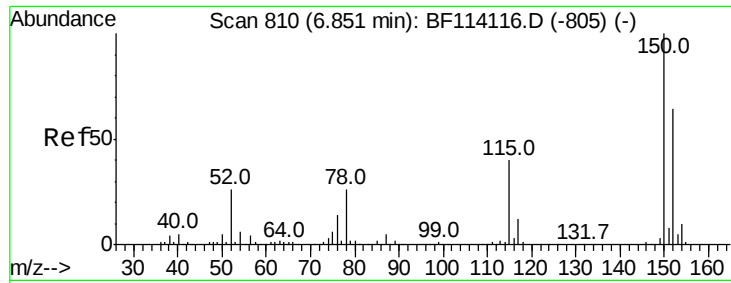
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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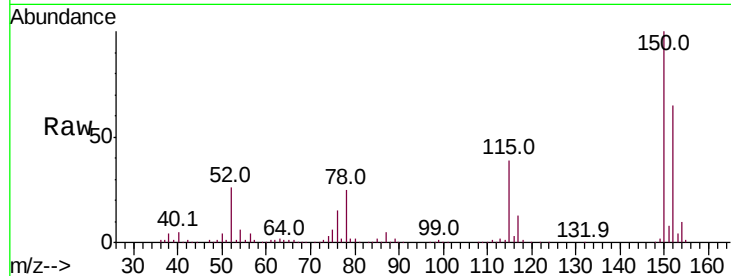


#1

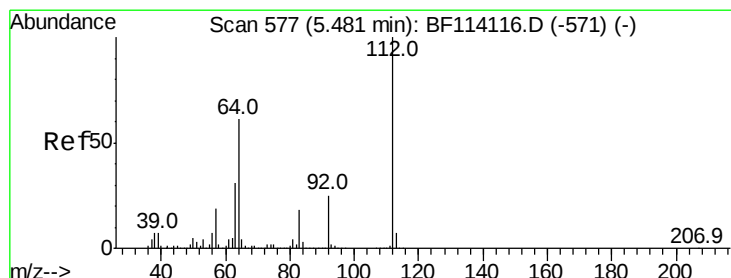
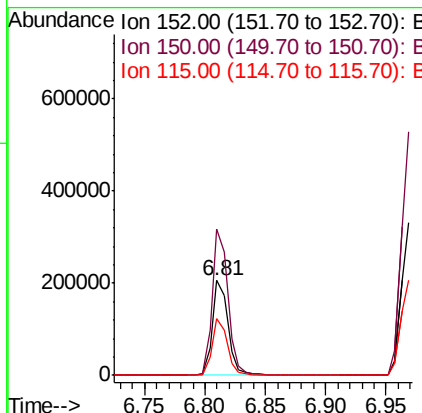
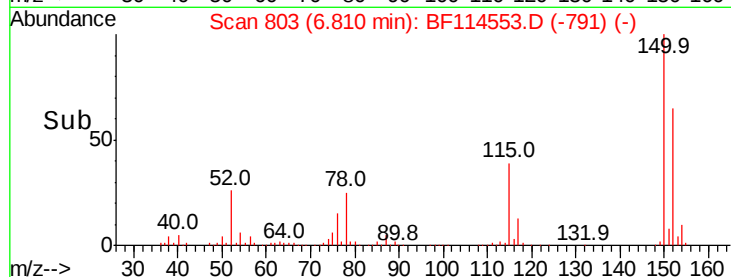
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

Tot Ion:152 Resp: 183842
Ion Ratio Lower Upper
152 100
150 154.3 124.3 186.5
115 60.4 49.1 73.7



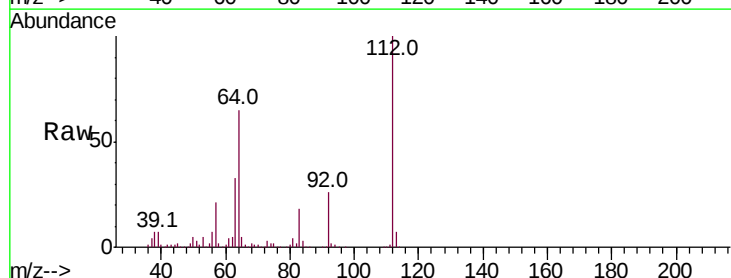
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



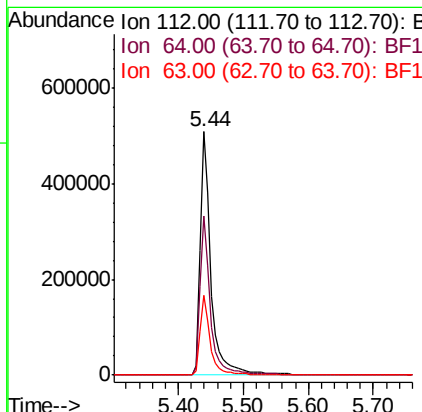
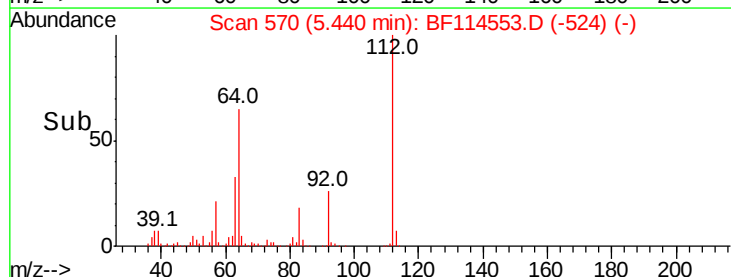
#5

2-Fluorophenol
Concen: 51.267 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion:112 Resp: 585670
Ion Ratio Lower Upper
112 100
64 65.3 49.0 73.6
63 32.8 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: 56.971 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Instrument :

BNA_F

ClientSampleId :

SU-03-052219-B

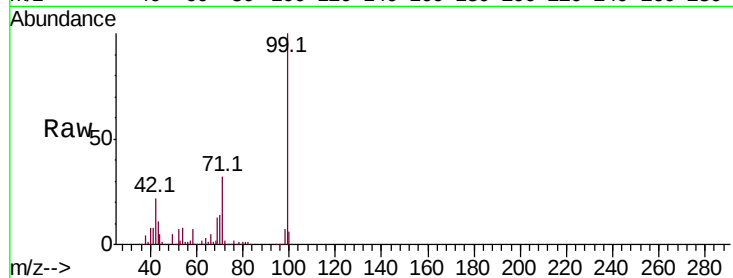
Tot Ion: 99 Resp: 769770

Ion Ratio Lower Upper

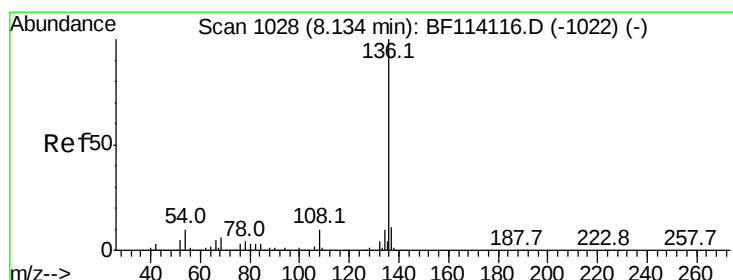
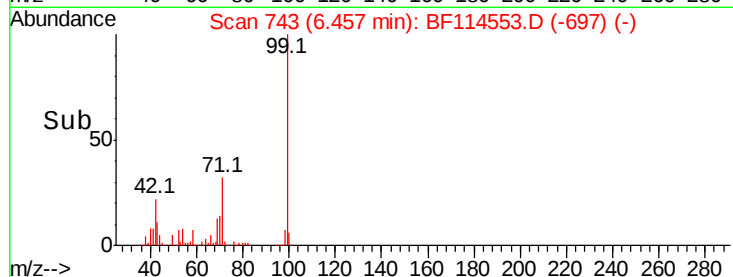
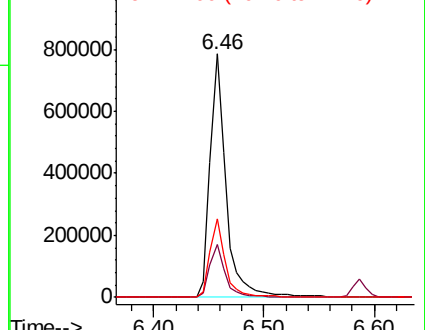
99 100

42 21.6 17.9 26.9

71 32.4 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.03 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Tgt Ion: 136 Resp: 700035

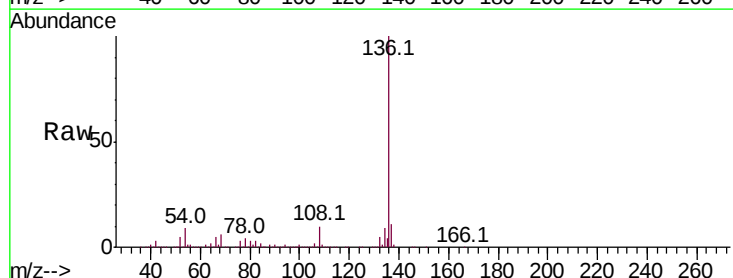
Ion Ratio Lower Upper

136 100

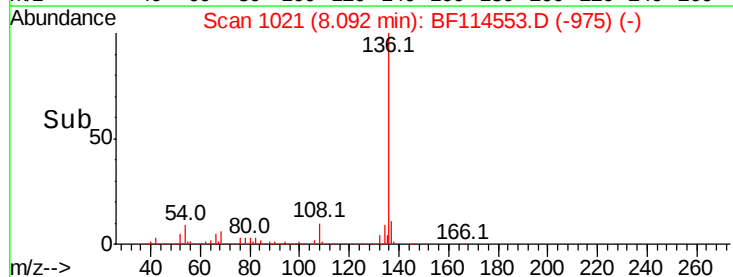
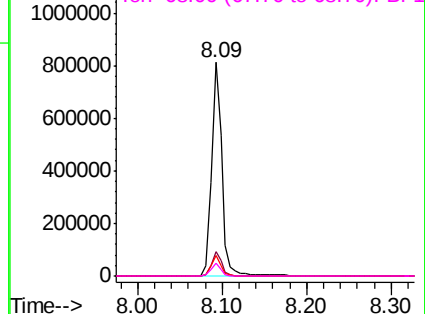
137 11.2 8.8 13.2

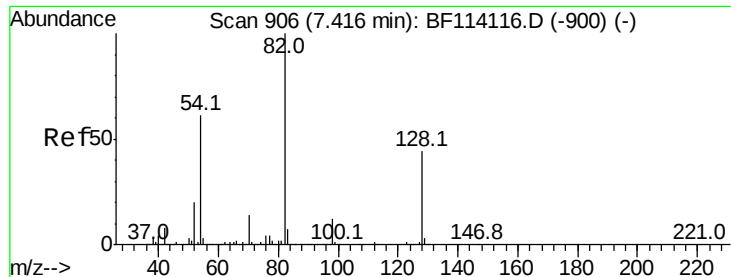
54 9.5 7.8 11.8

68 6.1 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 36.499 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.03 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Instrument :

BNA_F

ClientSampleId :

SU-03-052219-B

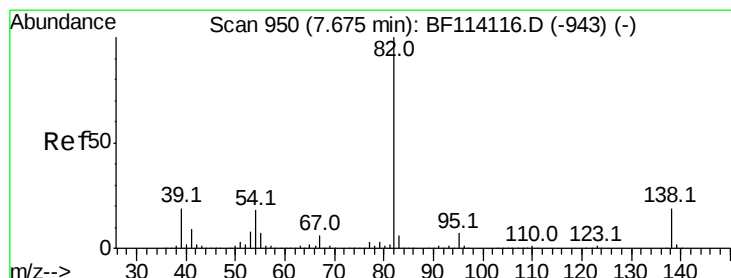
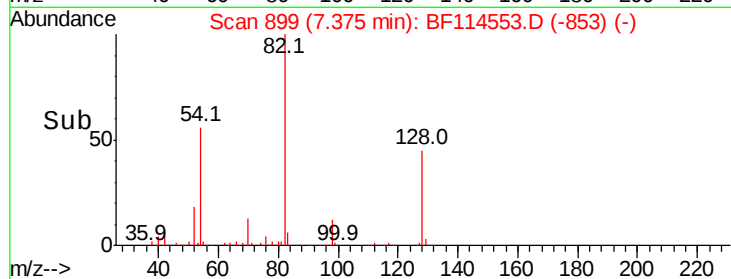
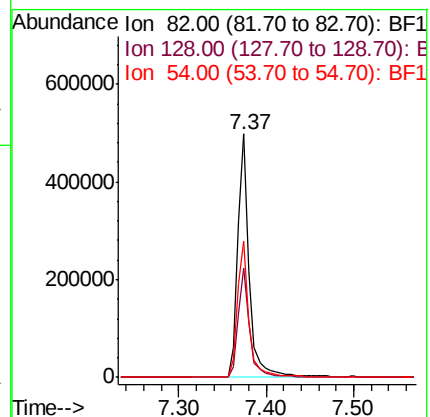
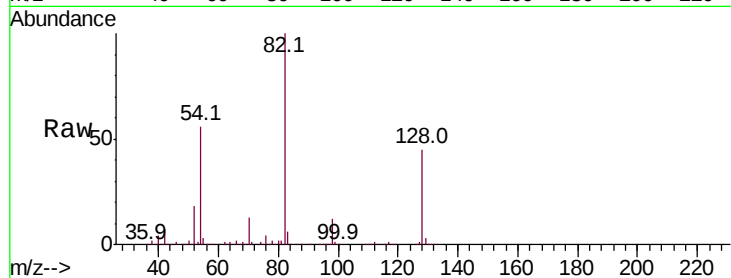
Tot Ion: 82 Resp: 455281

Ion Ratio Lower Upper

82 100

128 44.9 35.5 53.3

54 56.1 48.5 72.7



#25

Isophorone

Concen: 19.516 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

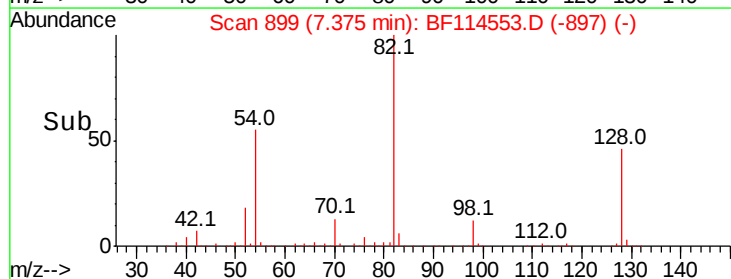
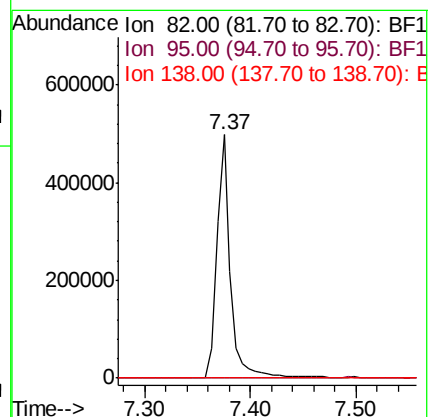
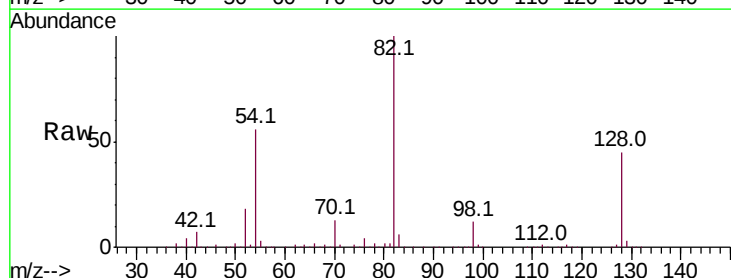
Tgt Ion: 82 Resp: 451485

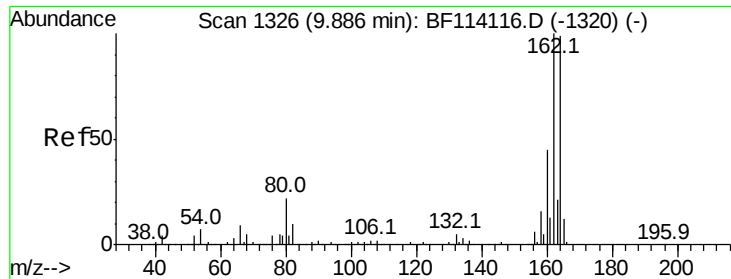
Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.8 22.2#

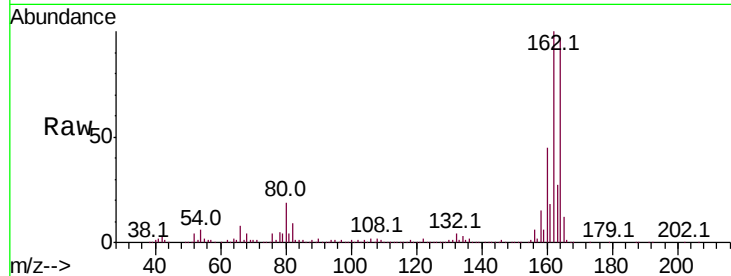




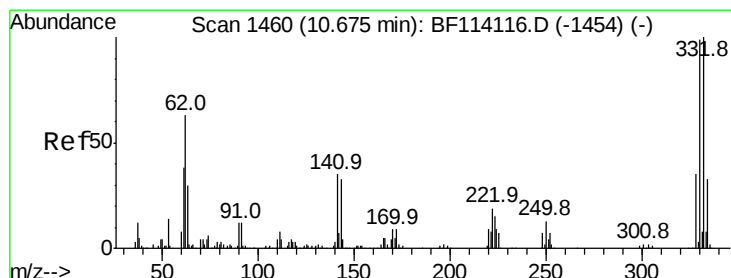
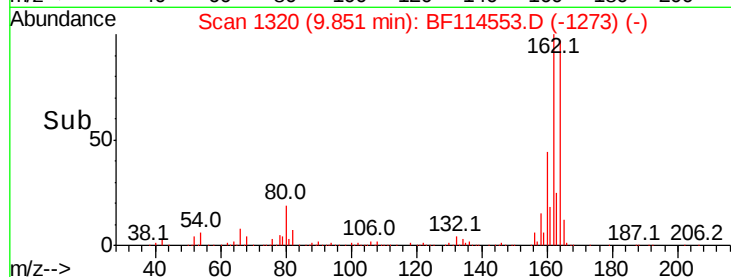
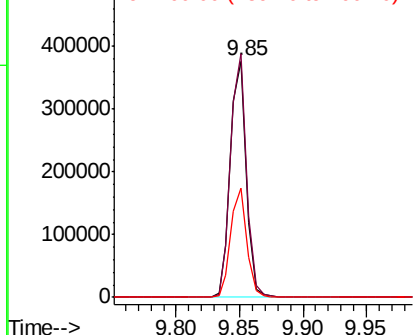
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BF114553.D
 Acq: 24 May 2019 4:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-052219-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.6	120.8
160	46.0	36.5	54.7

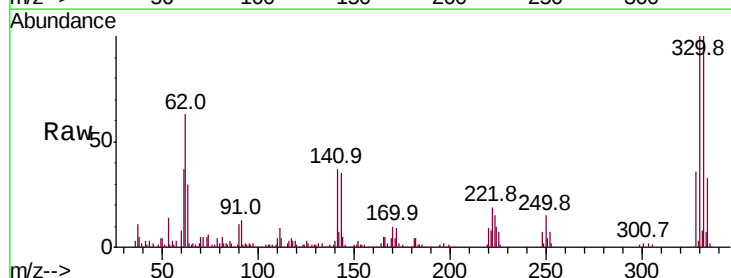


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

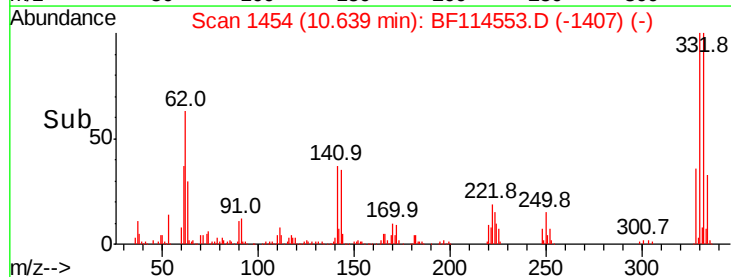
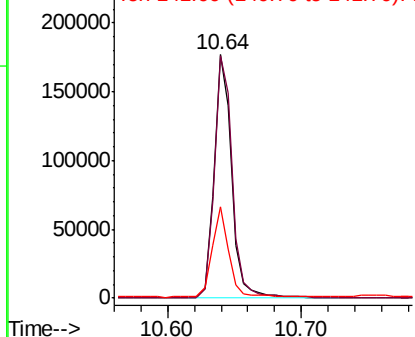


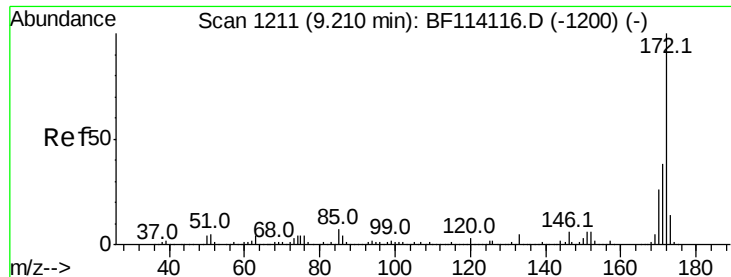
#42
 2,4,6-Tribromophenol
 Concen: 48.772 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF114553.D
 Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.7	81.4	122.2
141	34.6	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

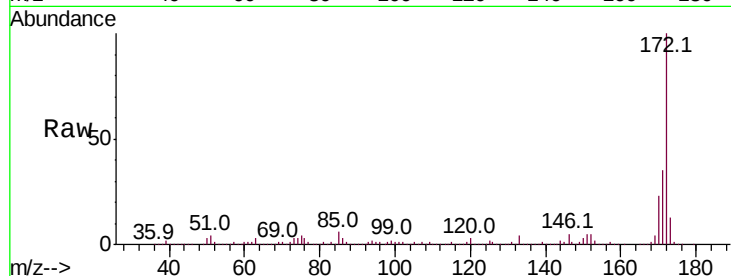




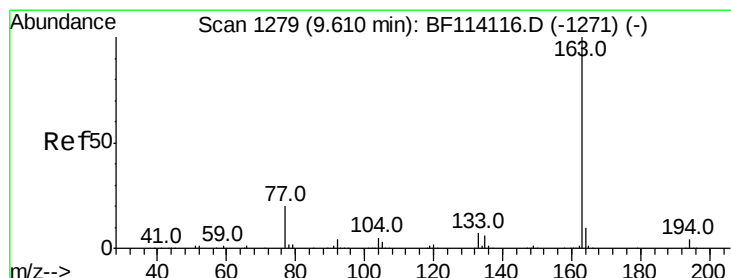
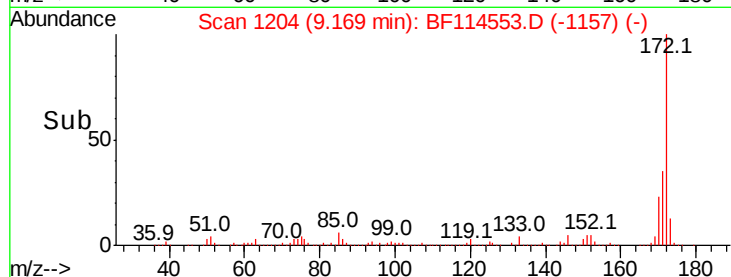
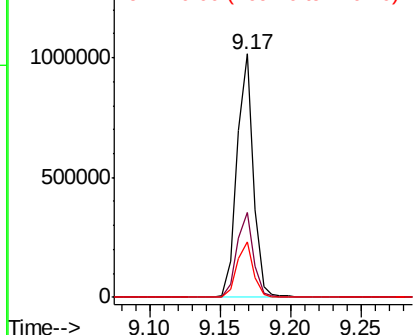
#45
2-Fluorobiphenyl
Concen: 37.983 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
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ClientSampleId :
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Tot Ion:172 Resp: 819501
Ion Ratio Lower Upper
172 100
171 35.1 30.7 46.1
170 22.9 20.5 30.7

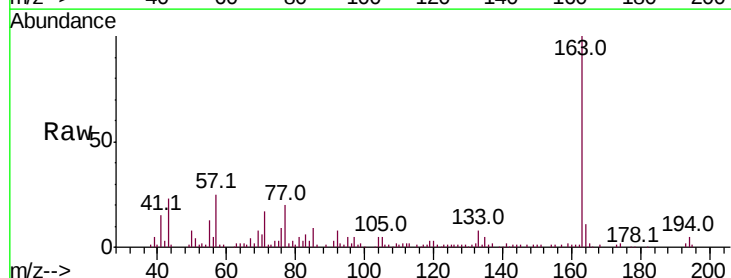


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

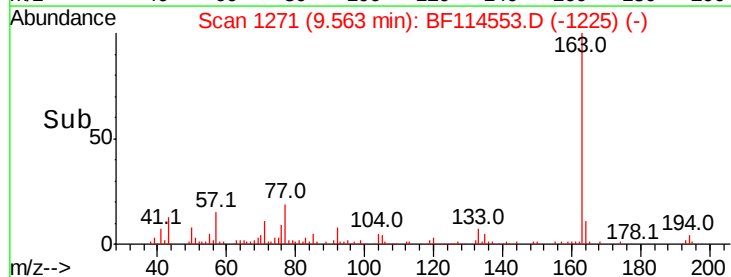
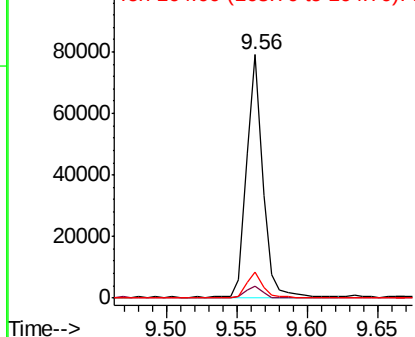


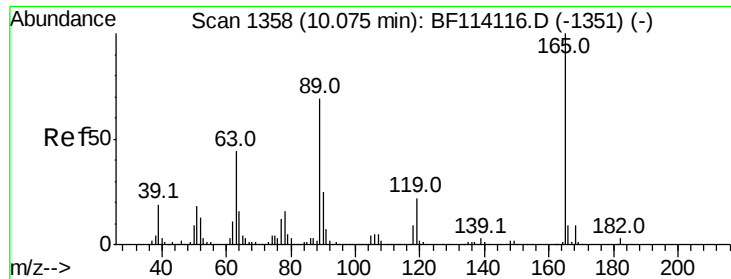
#50
Dimethylphthalate
Concen: 2.718 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion:163 Resp: 65113
Ion Ratio Lower Upper
163 100
194 5.0 3.4 5.0
164 10.8 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

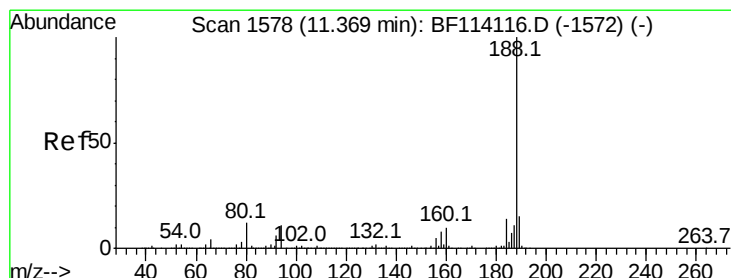
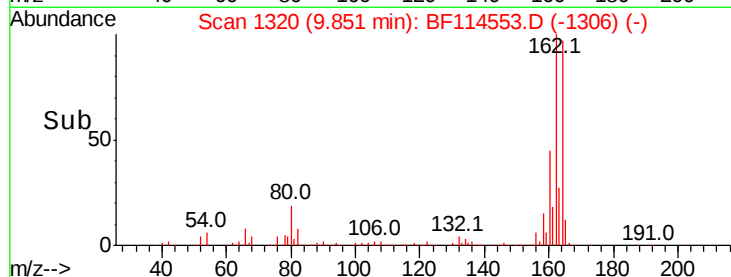
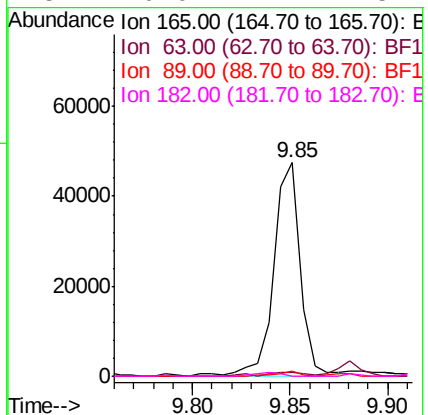
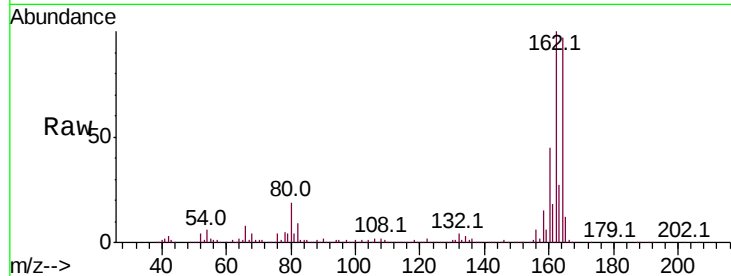




#57
 2,4-Dinitrotoluene
 Concen: 6.210 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.22 min
 Lab File: BF114553.D
 Acq: 24 May 2019 4:38

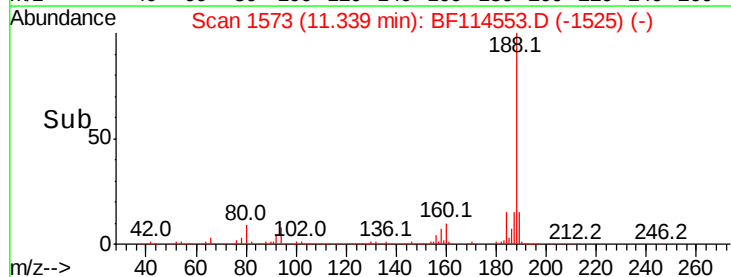
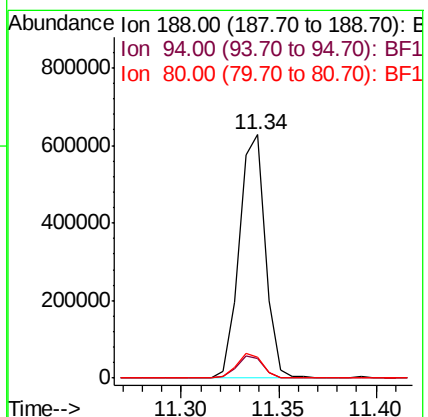
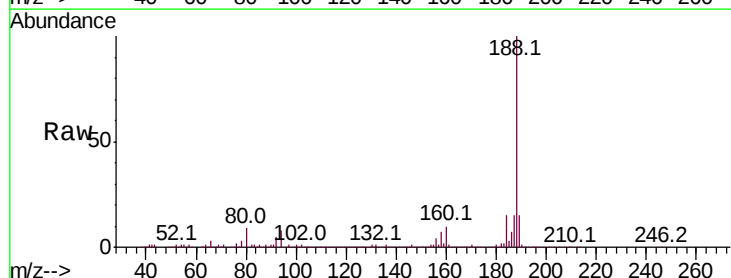
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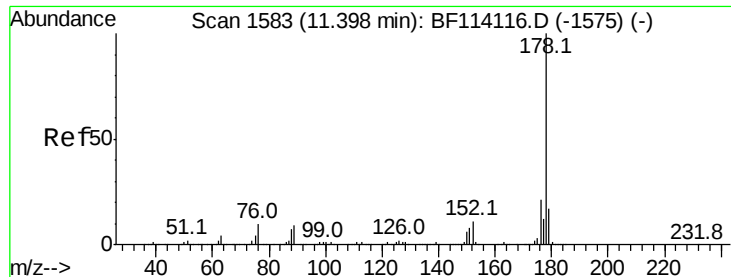
Tot Ion:165 Resp: 44789
 Ion Ratio Lower Upper
 165 100
 63 2.0 35.5 53.3#
 89 2.4 55.2 82.8#
 182 0.0 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: BF114553.D
 Acq: 24 May 2019 4:38

Tgt Ion:188 Resp: 583732
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.4 12.6#
 80 8.7 9.2 13.8#

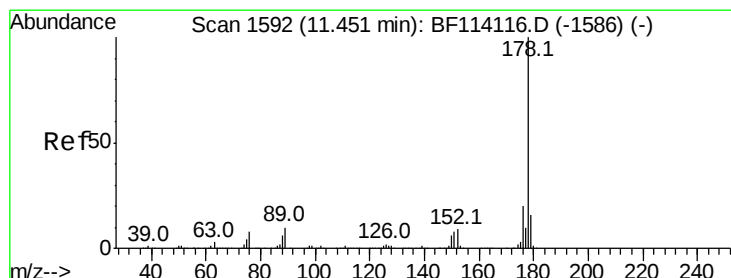
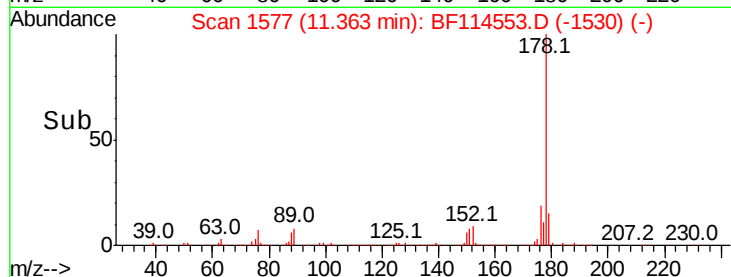
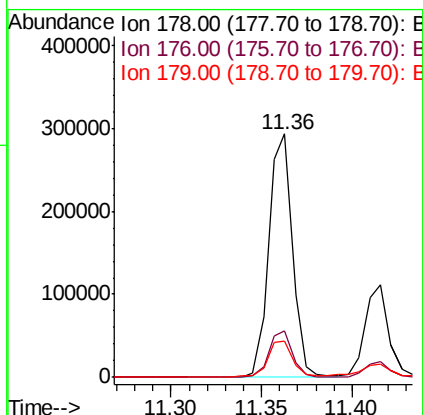
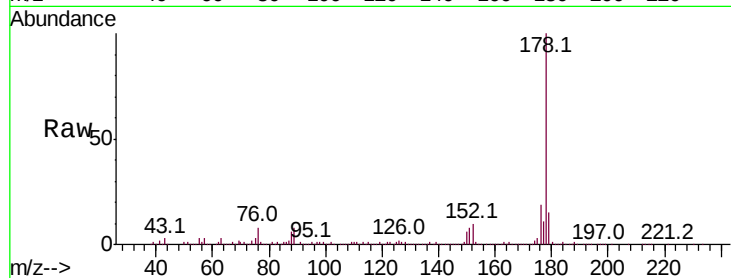




#71
Phenanthrene
Concen: 9.410 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

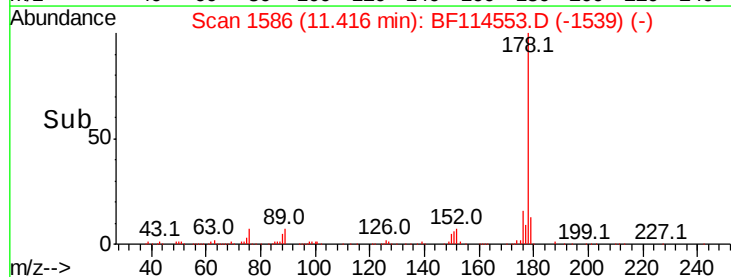
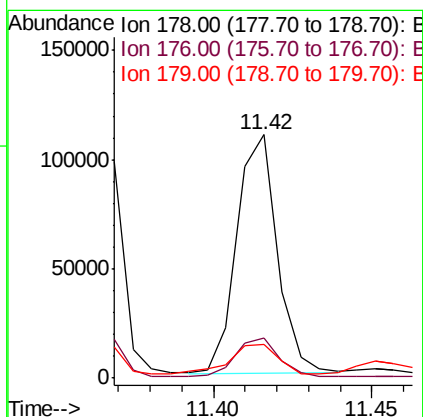
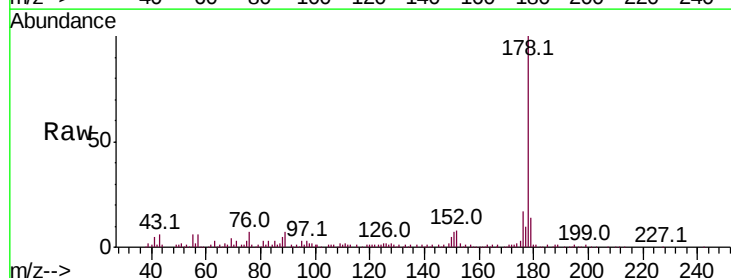
Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

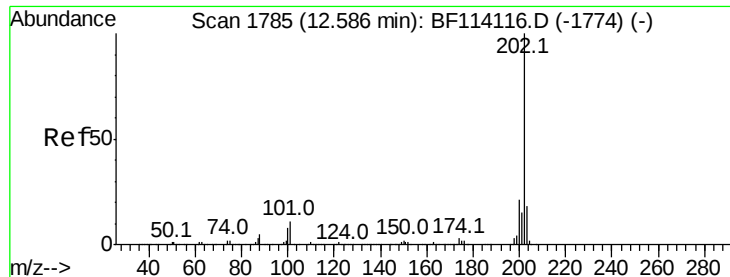
Tot Ion:178 Resp: 267241
Ion Ratio Lower Upper
178 100
176 19.0 16.4 24.6
179 15.0 13.2 19.8



#72
Anthracene
Concen: 3.379 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion:178 Resp: 96389
Ion Ratio Lower Upper
178 100
176 16.7 15.8 23.8
179 14.1 13.0 19.4





#75

Fluoranthene

Concen: 16.638 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.02 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Instrument :

BNA_F

ClientSampleId :

SU-03-052219-B

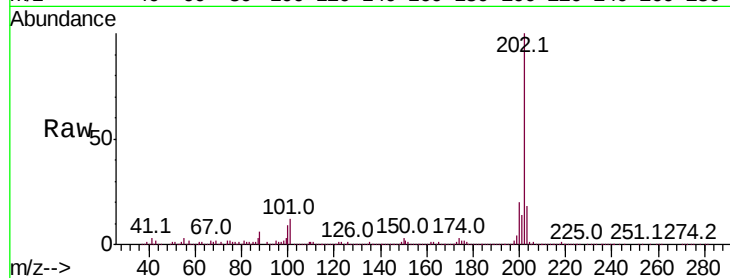
Tot Ion:202 Resp: 508825

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.0

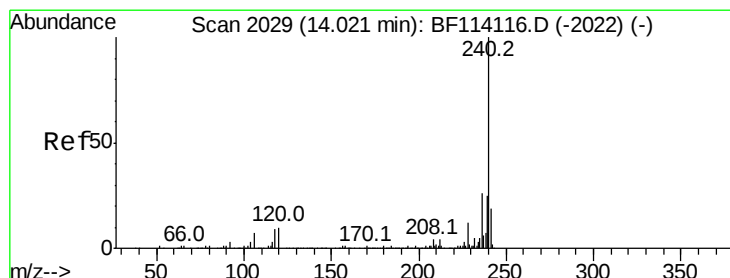
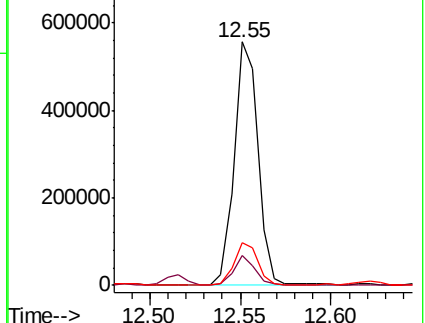
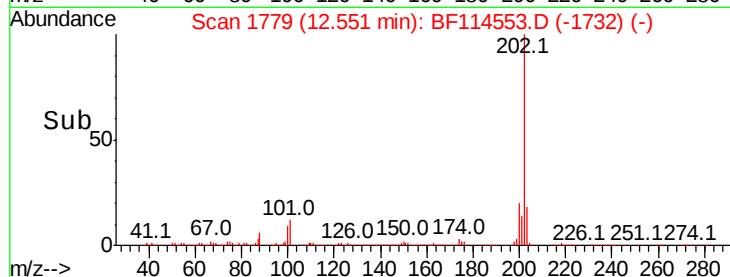
203 17.8 0.0 38.4



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: BF114553.D

Acq: 24 May 2019 4:38

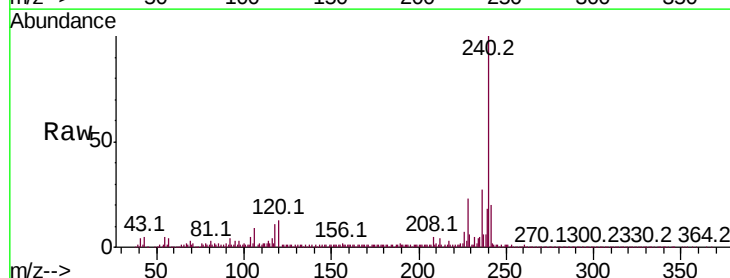
Tgt Ion:240 Resp: 404044

Ion Ratio Lower Upper

240 100

120 12.7 8.3 12.5#

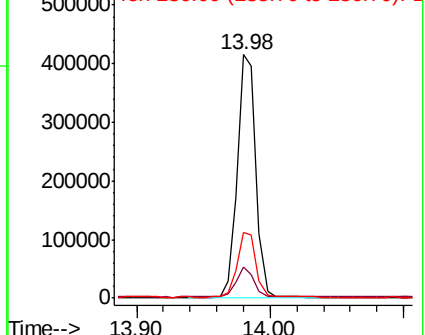
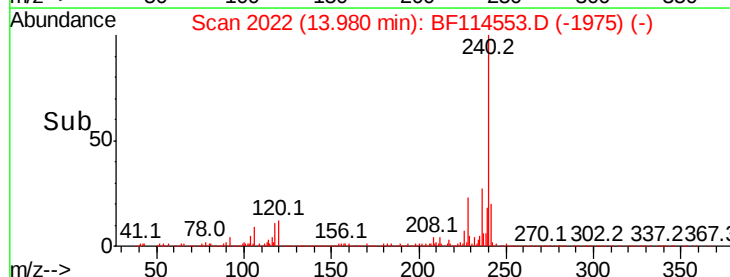
236 26.7 20.8 31.2

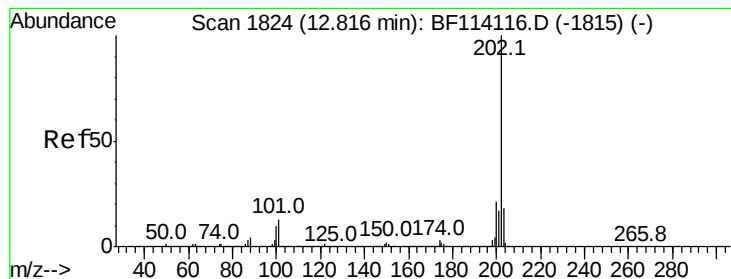


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 14.464 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Instrument :

BNA_F

ClientSampleId :

SU-03-052219-B

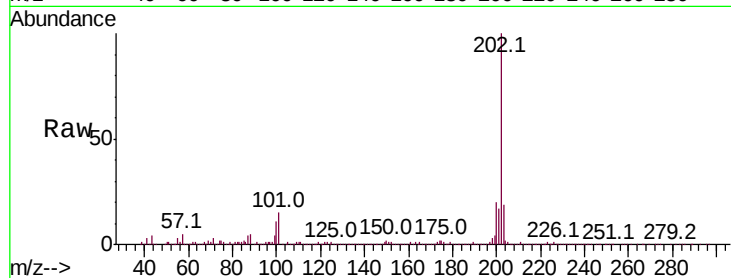
Tot Ion:202 Resp: 470137

Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

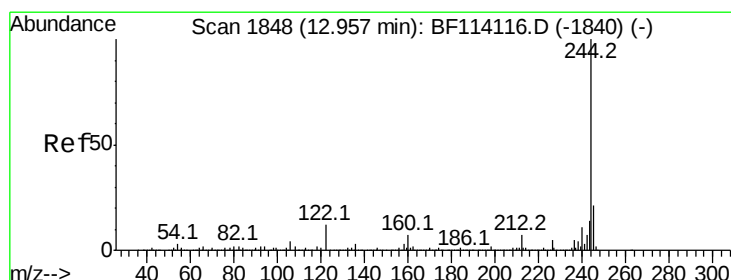
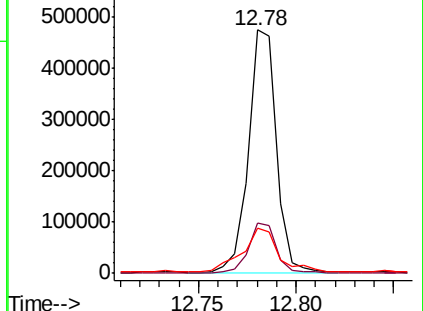
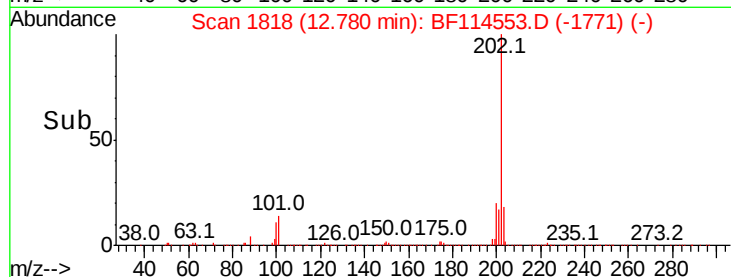
203 18.8 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 36.979 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.02 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

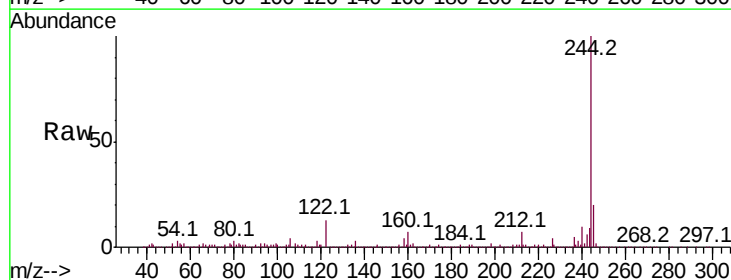
Tgt Ion:244 Resp: 724803

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

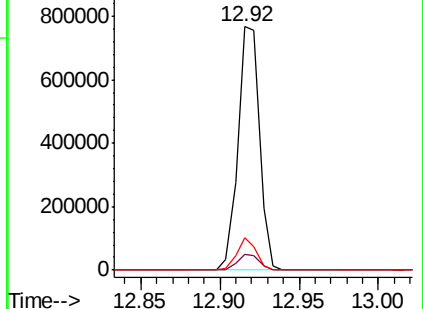
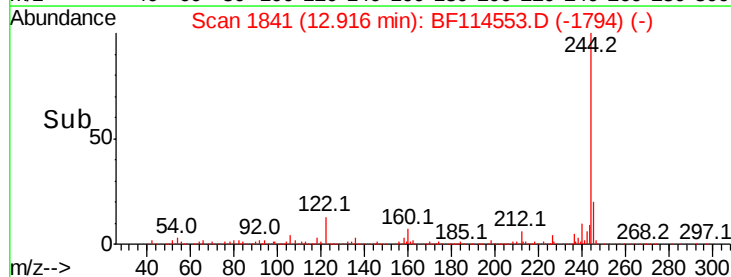
122 13.4 9.4 14.2

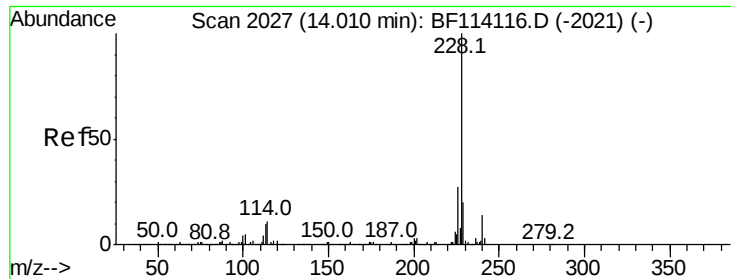


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

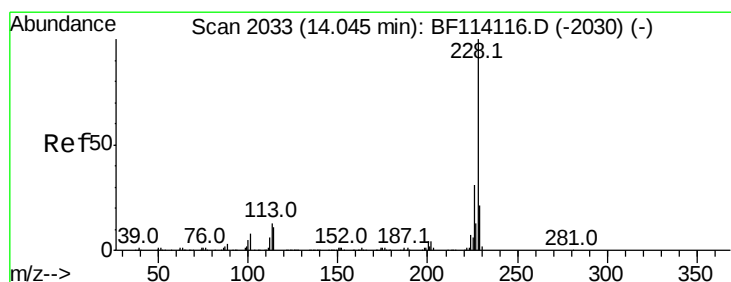
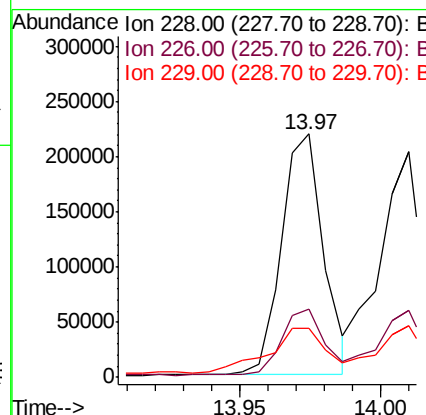
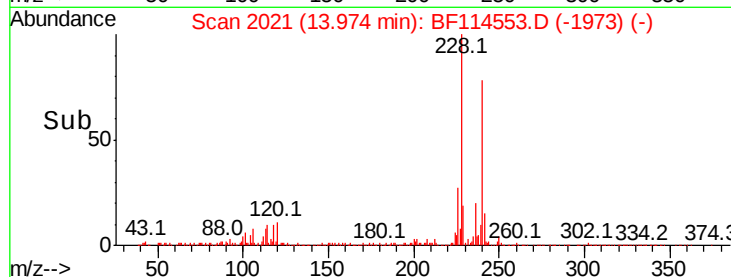
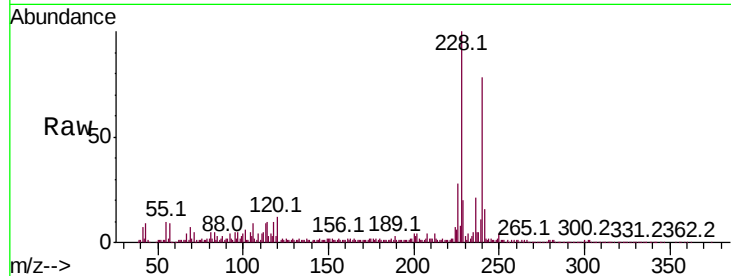




#81
Benzo(a)anthracene
Concen: 8.634 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

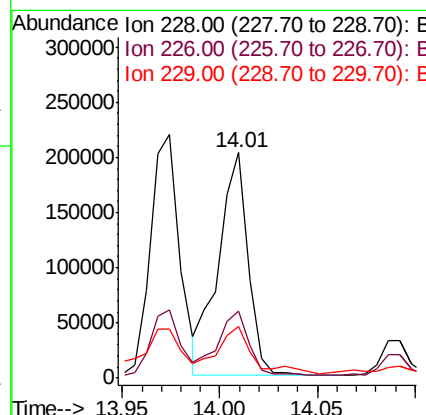
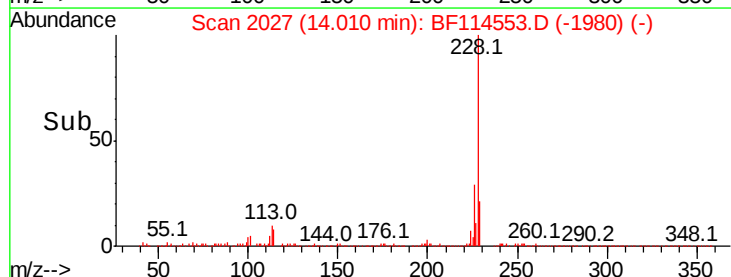
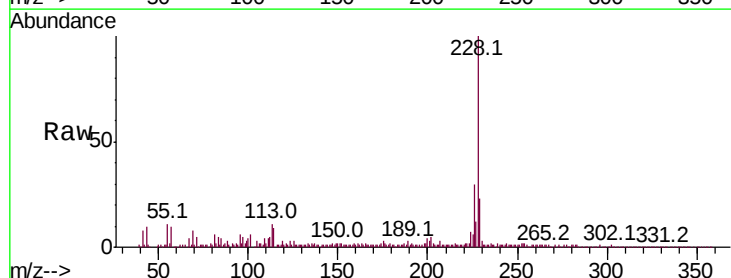
Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

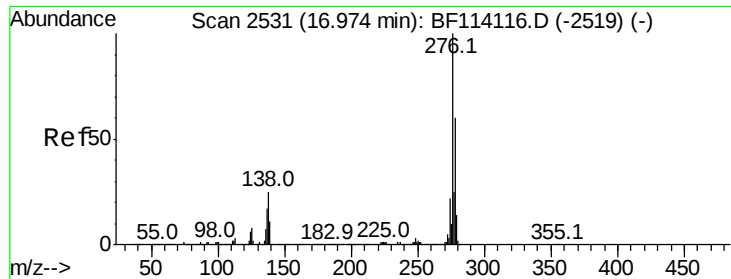
Tot Ion:228 Resp: 225643
Ion Ratio Lower Upper
228 100
226 27.9 22.2 33.2
229 20.0 16.4 24.6



#83
Chrysene
Concen: 8.379 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion:228 Resp: 214650
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 22.9 17.0 25.6





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.871 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

Instrument :

BNA_F

ClientSampleId :

SU-03-052219-B

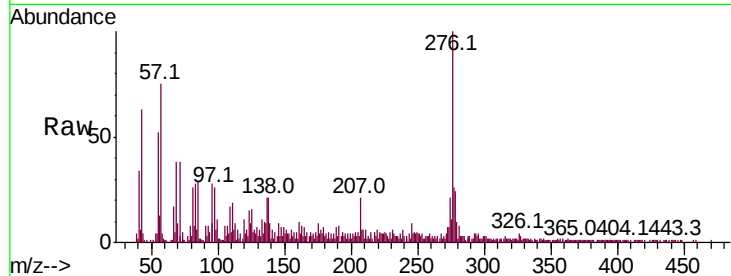
Tot Ion:276 Resp: 87633

Ion Ratio Lower Upper

276 100

138 21.1 20.2 30.2

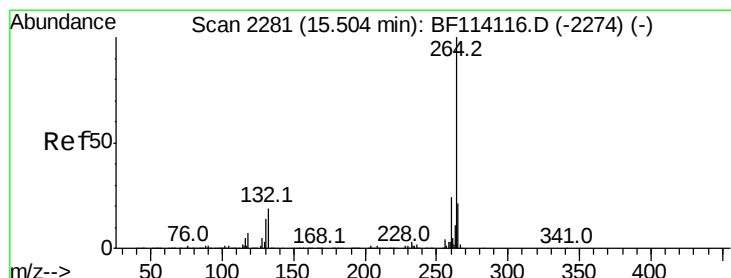
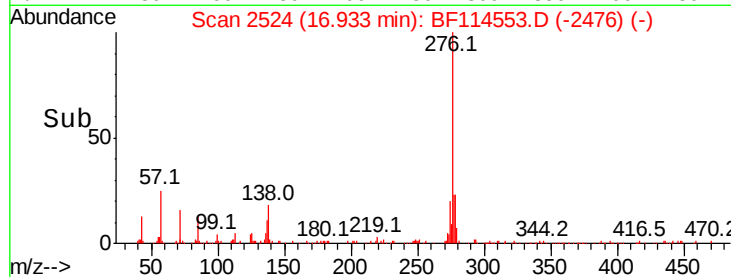
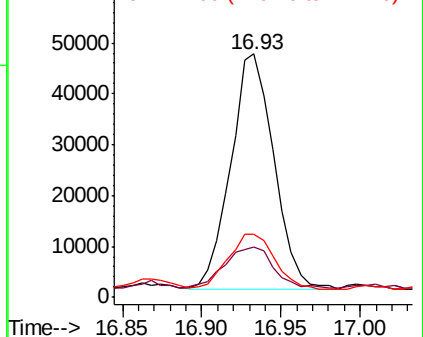
277 26.1 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF114553.D

Acq: 24 May 2019 4:38

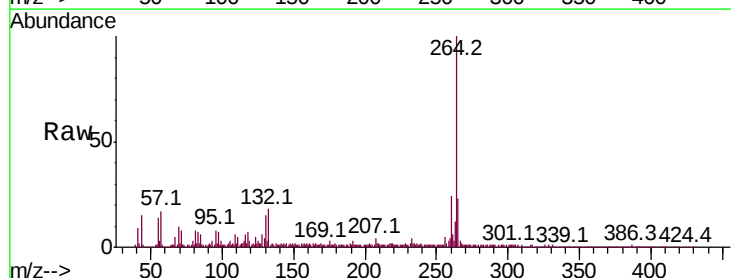
Tgt Ion:264 Resp: 314626

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

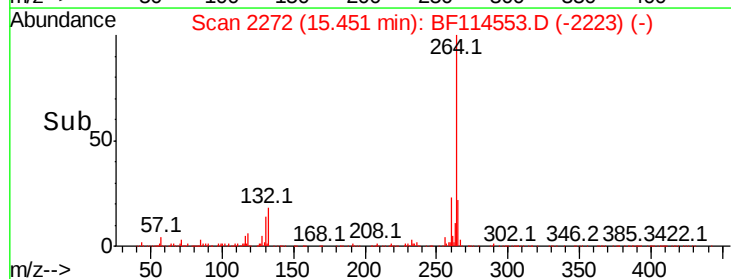
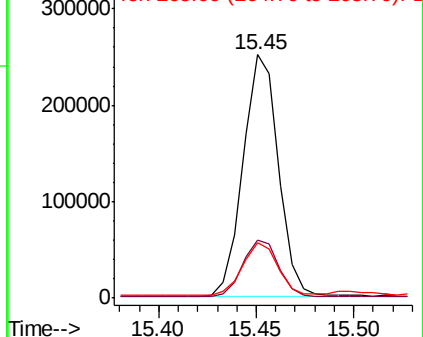
265 22.6 16.9 25.3

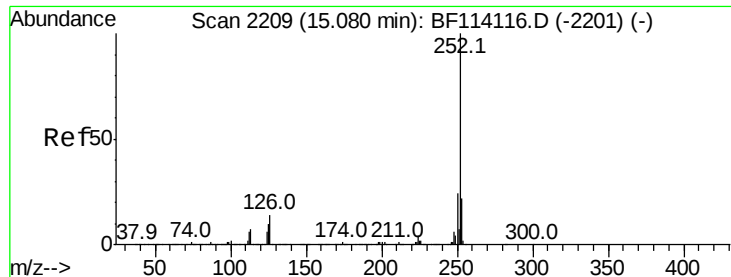


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

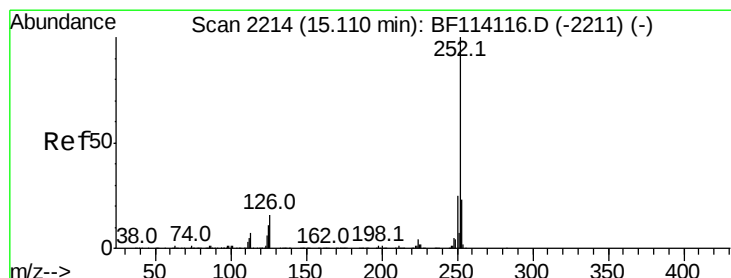
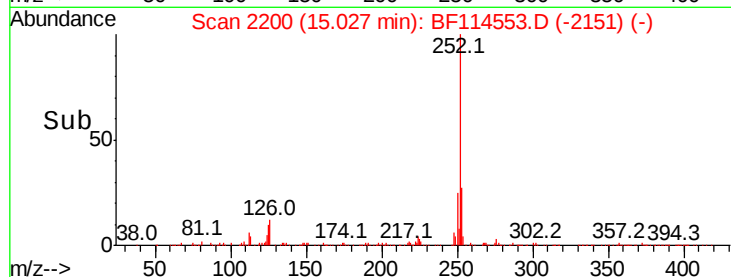
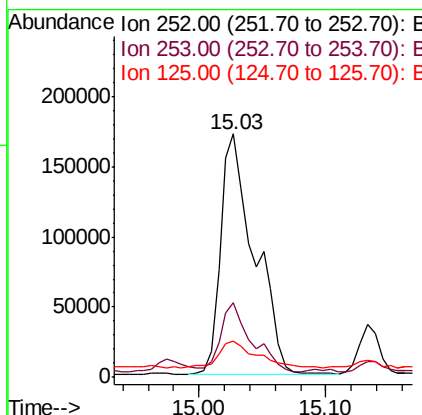
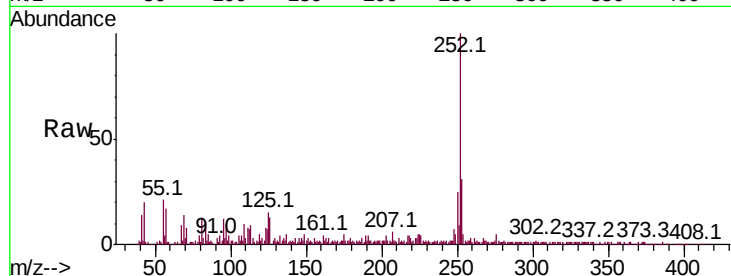




#88
Benzo(b)fluoranthene
Concen: 15.850 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

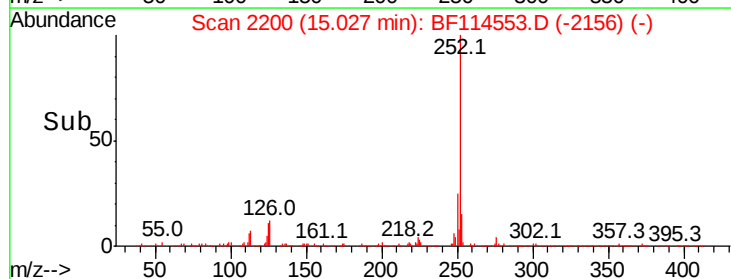
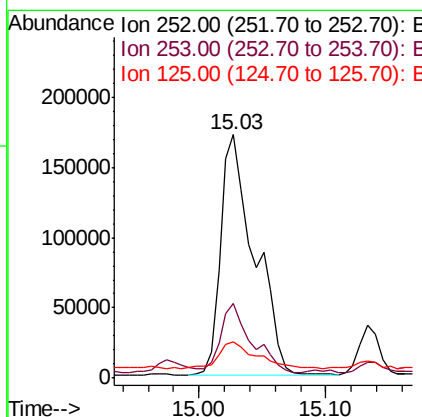
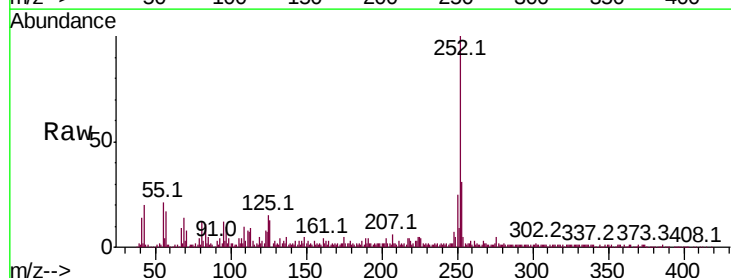
Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

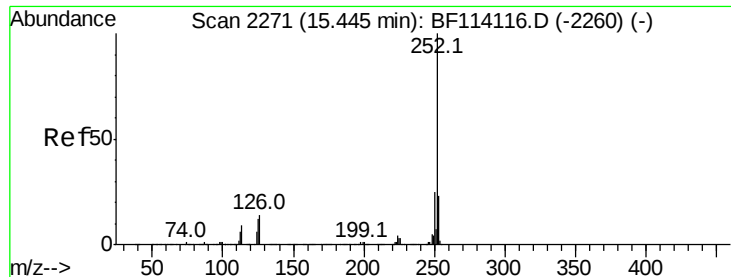
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.8	26.8#
125	14.8	8.3	12.5#



#89
Benzo(k)fluoranthene
Concen: 17.239 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.2	27.2#
125	14.8	8.6	13.0#

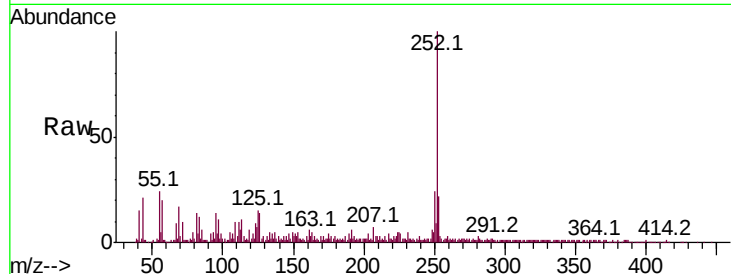




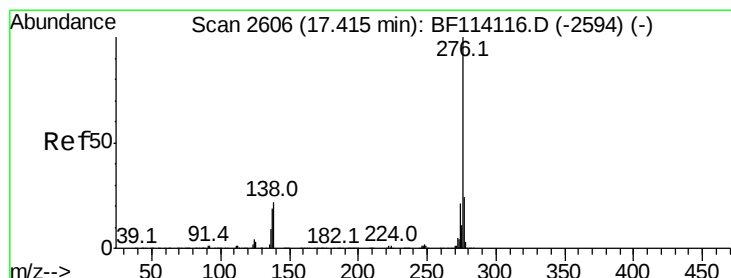
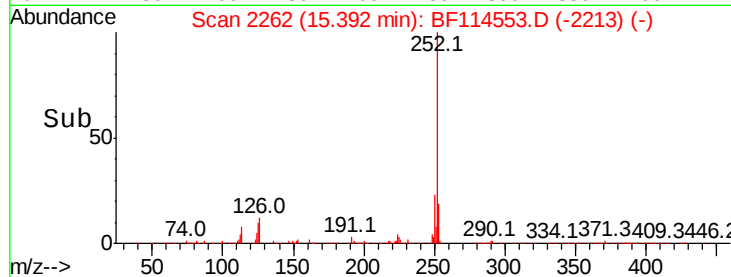
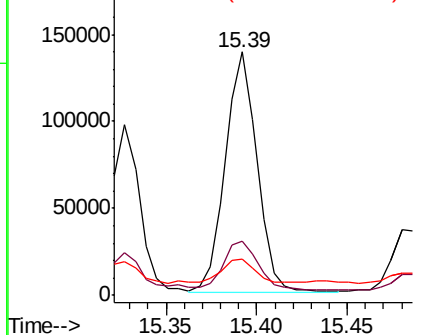
#90
Benzo(a)pyrene
Concen: 9.480 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Instrument :
BNA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.9	9.5	14.3

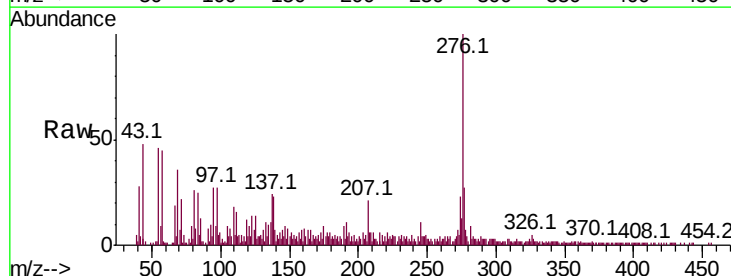


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.848 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BF114553.D
Acq: 24 May 2019 4:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.0	28.4
138	23.5	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

