

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114535.D
 Acq On : 23 May 2019 20:42
 Operator : JU/SJ
 Sample : K2RE971-17
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2C-C-1-052019RE

Quant Time: May 24 07:19:08 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	177869	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	705442	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	342975	20.00	ng	-0.03
64) Phenanthrene-d10	11.33	188	719311	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	605235	20.00	ng	-0.02
87) Perylene-d12	15.44	264	595987	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	486741	44.04	ng	-0.03
7) Phenol-d6	6.45	99	688188	52.64	ng	-0.04
23) Nitrobenzene-d5	7.37	82	393426	31.30	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	175445	49.48	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	750533	33.10	ng	-0.02
79) Terphenyl-d14	12.92	244	874530	29.79	ng	-0.02

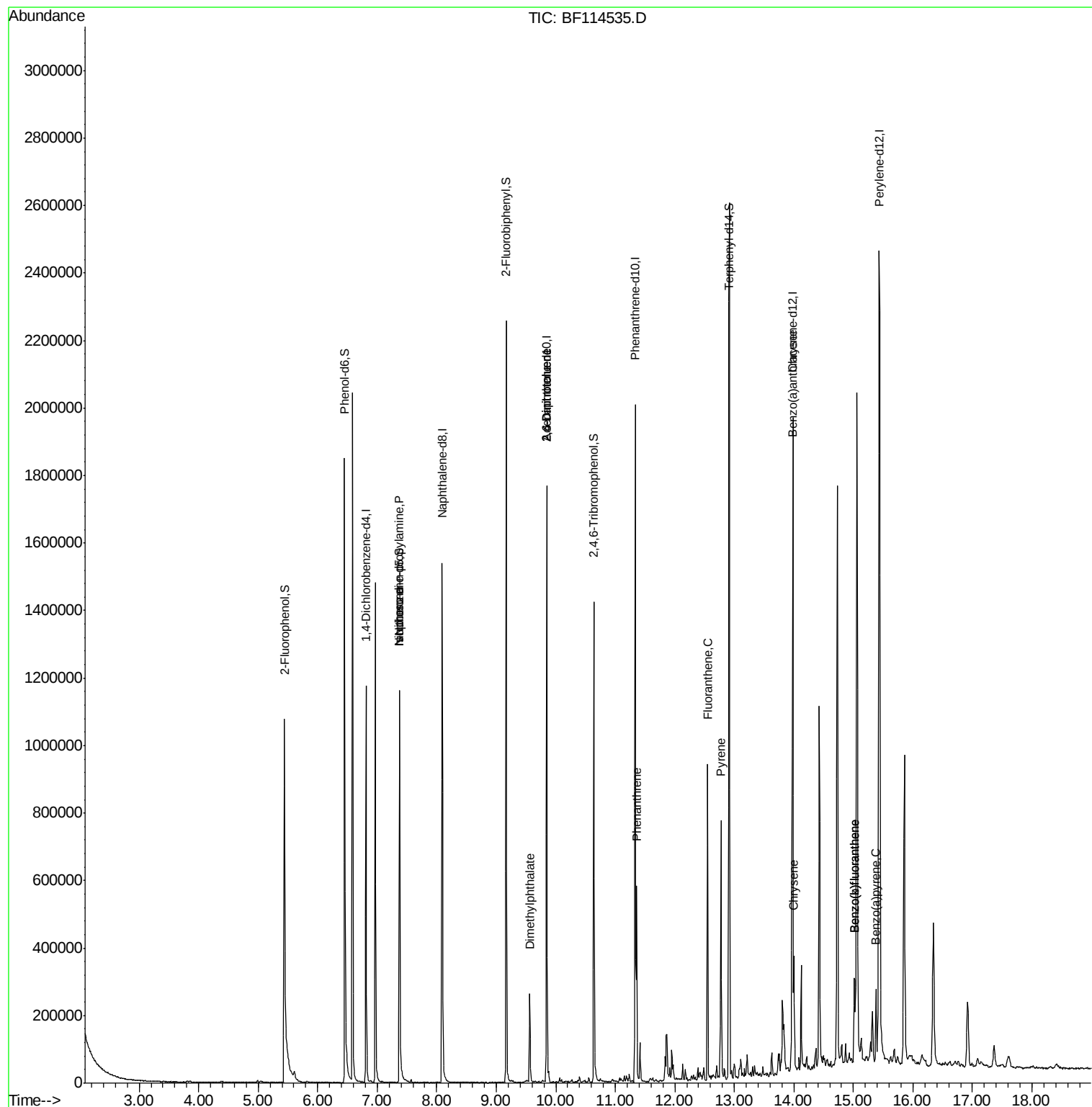
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	50438	6.087	ng	# 76
25) Isophorone	7.37	82	393423	16.876	ng	# 64
50) Dimethylphthalate	9.56	163	109678	4.356	ng	99
51) 2,6-Dinitrotoluene	9.85	165	42929	7.687	ng	# 22
57) 2,4-Dinitrotoluene	9.85	165	42929	5.664	ng	# 25
71) Phenanthrene	11.36	178	202330	5.782	ng	98
75) Fluoranthene	12.55	202	381187	10.115	ng	98
78) Pyrene	12.78	202	317303	6.517	ng	97
81) Benzo(a)anthracene	13.97	228	157288	4.018	ng	98
83) Chrysene	14.00	228	123881	3.228	ng	98
88) Benzo(b)fluoranthene	15.02	252	204812	5.364	ng	# 98
89) Benzo(k)fluoranthene	15.02	252	204364	5.827	ng	97
90) Benzo(a)pyrene	15.38	252	107306	3.193	ng	99

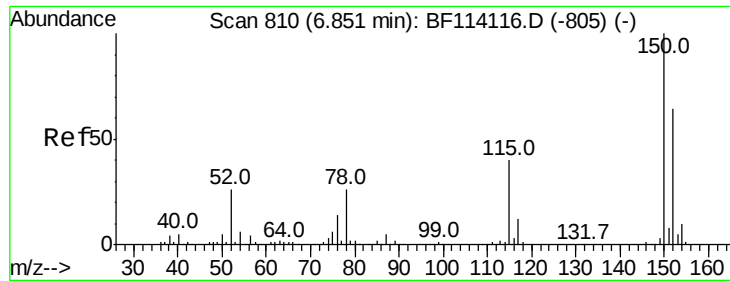
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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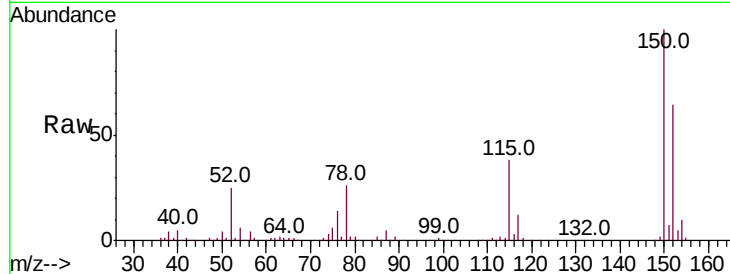


#1

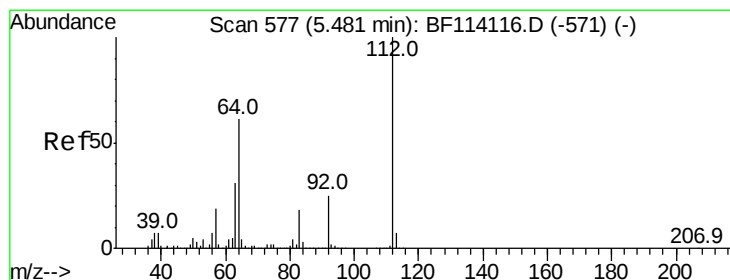
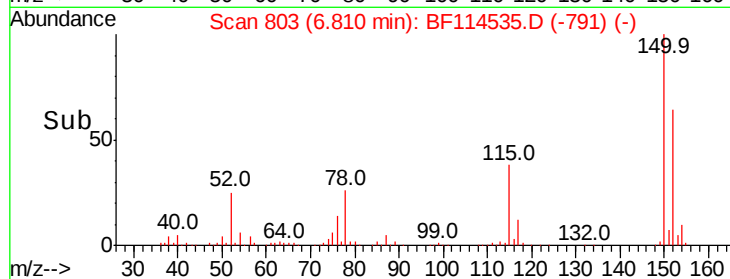
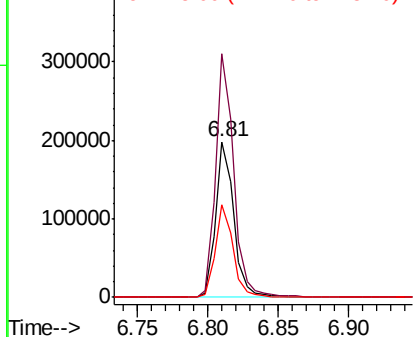
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF114535.D
Acq: 23 May 2019 20:42

Instrument :
BNA_F
ClientSampleId :
SUP-2C-C-1-052019RE

Tot Ion:152 Resp: 177869
Ion Ratio Lower Upper
152 100
150 156.1 124.3 186.5
115 59.0 49.1 73.7



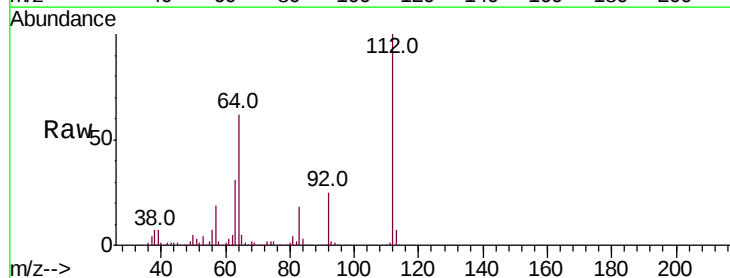
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



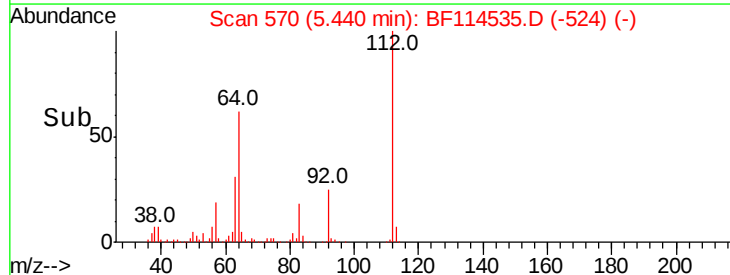
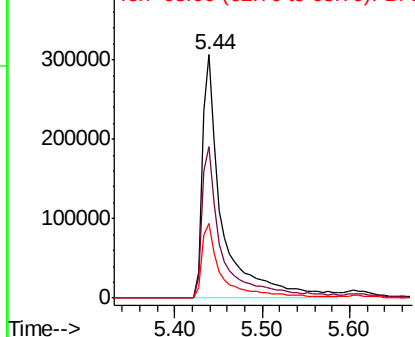
#5

2-Fluorophenol
Concen: 44.038 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF114535.D
Acq: 23 May 2019 20:42

Tgt Ion:112 Resp: 486741
Ion Ratio Lower Upper
112 100
64 62.2 49.0 73.6
63 30.7 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: 52.644 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.04 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

Instrument :

BNA_F

ClientSampleId :

SUP-2C-C-1-052019RE

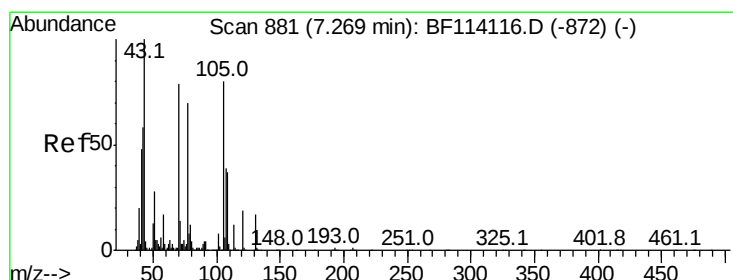
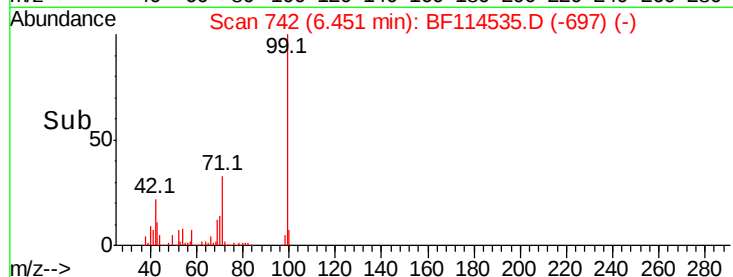
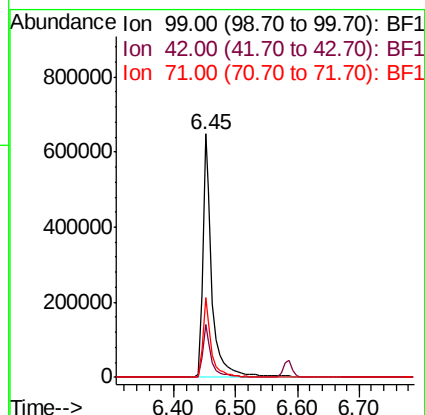
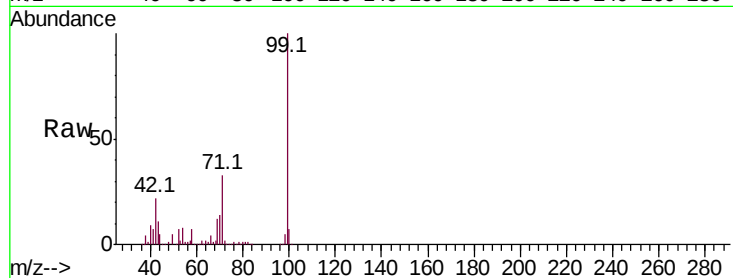
Tot Ion: 99 Resp: 688188

Ion Ratio Lower Upper

99 100

42 21.8 17.9 26.9

71 32.5 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 6.087 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.12 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

Tgt Ion: 70 Resp: 50438

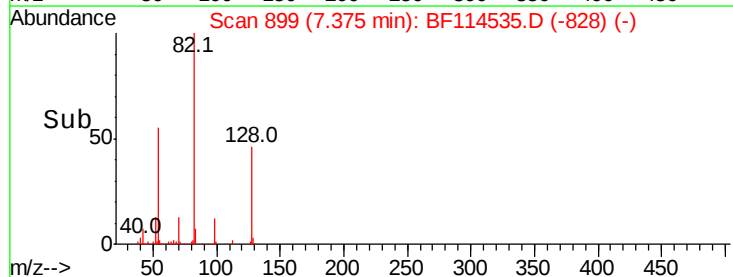
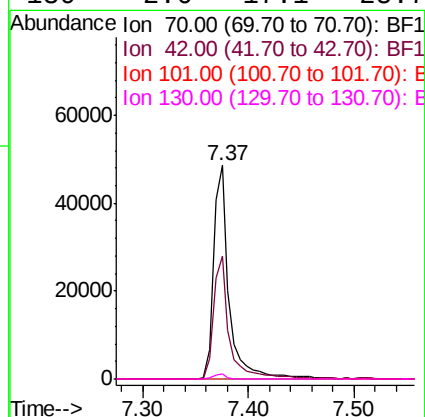
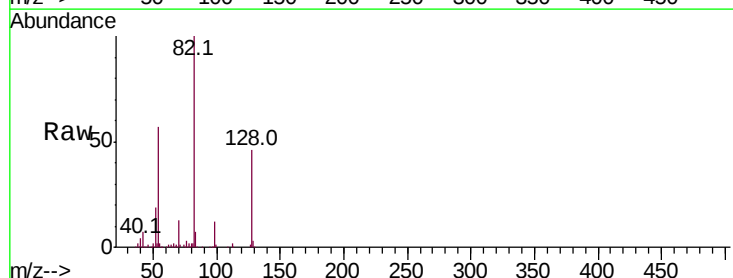
Ion Ratio Lower Upper

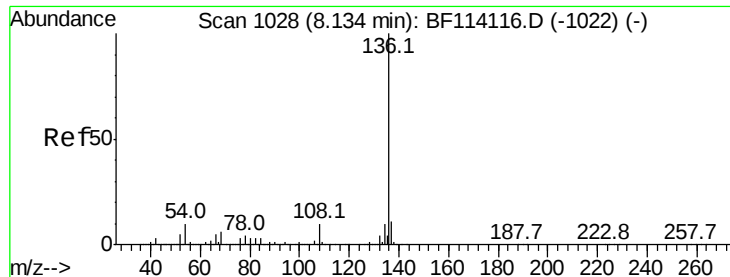
70 100

42 57.7 58.6 87.8#

101 0.0 7.8 11.8#

130 2.6 17.1 25.7#

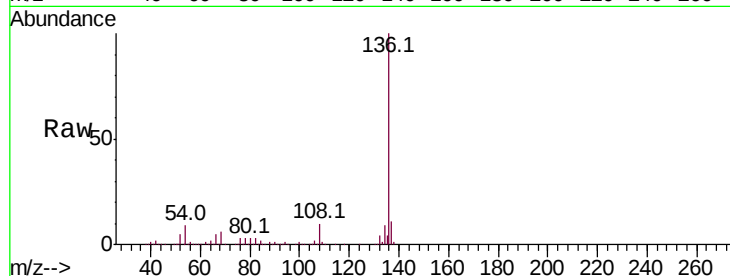




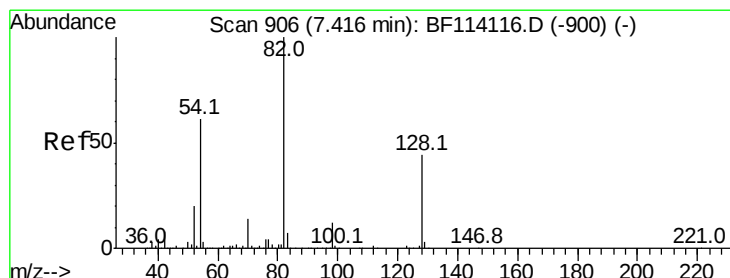
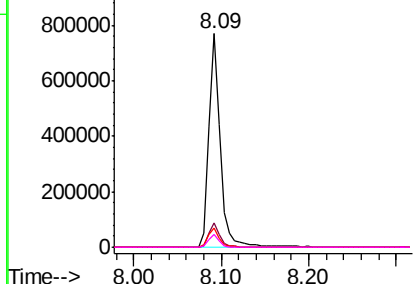
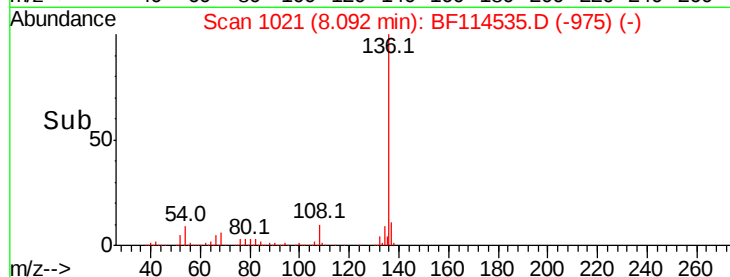
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BF114535.D
Acq: 23 May 2019 20:42

Instrument :
BNA_F
ClientSampleId :
SUP-2C-C-1-052019RE

Tot Ion:136	Resp: 705442
Ion Ratio	Lower Upper
136 100	
137 11.2	8.8 13.2
54 8.8	7.8 11.8
68 6.0	5.1 7.7

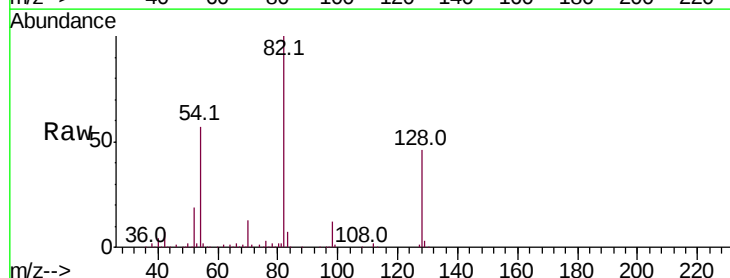


Abundance Ion 136.00 (135.70 to 136.70): E
1200000
Ion 137.00 (136.70 to 137.70): E
1000000
Ion 54.00 (53.70 to 54.70): BF1
800000
Ion 68.00 (67.70 to 68.70): BF1
600000
400000
200000
0

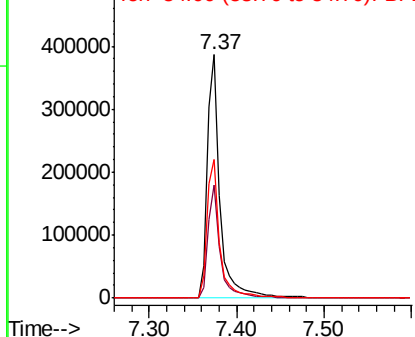
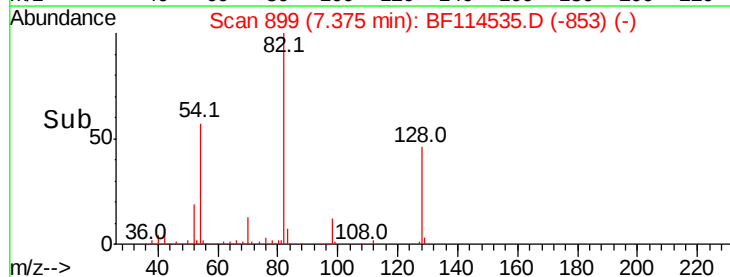


#23
Nitrobenzene-d5
Concen: 31.298 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.03 min
Lab File: BF114535.D
Acq: 23 May 2019 20:42

Tgt Ion: 82	Resp: 393426
Ion Ratio	Lower Upper
82 100	
128 46.3	35.5 53.3
54 57.0	48.5 72.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
500000
Ion 128.00 (127.70 to 128.70): E
400000
Ion 54.00 (53.70 to 54.70): BF1
300000
200000
100000
0





#25

Isophorone

Concen: 16.876 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

Instrument :

BNA_F

ClientSampleId :

SUP-2C-C-1-052019RE

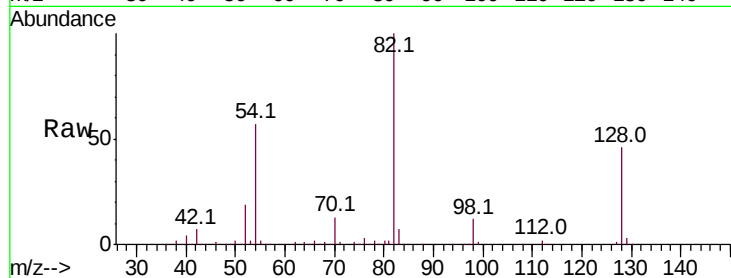
Tot Ion: 82 Resp: 393423

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

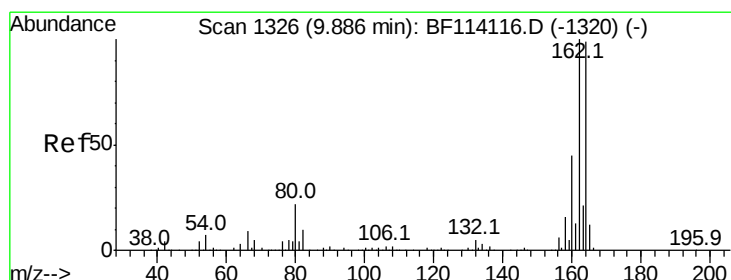
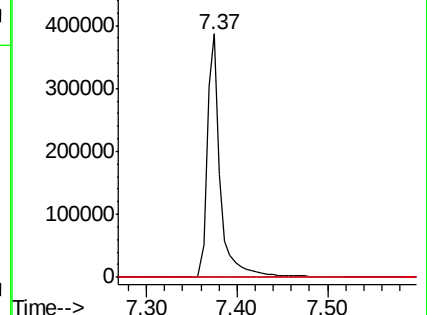
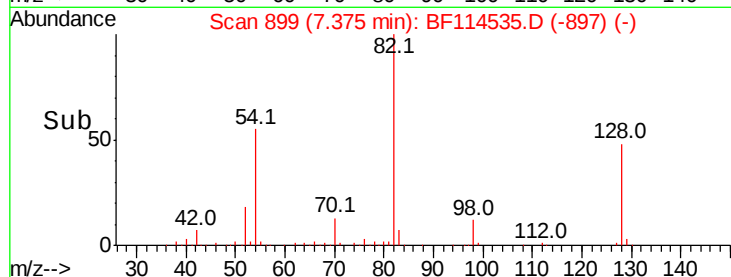
138 0.0 14.8 22.2#



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: 9.85 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

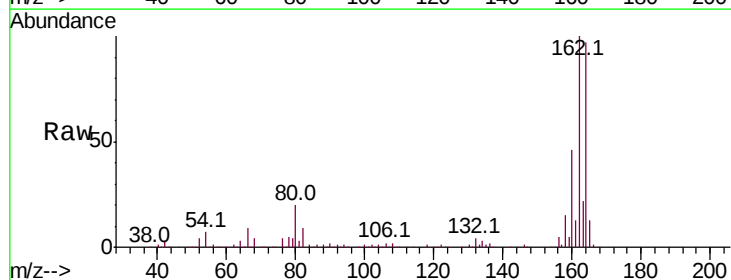
Tgt Ion:164 Resp: 342975

Ion Ratio Lower Upper

164 100

162 102.8 80.6 120.8

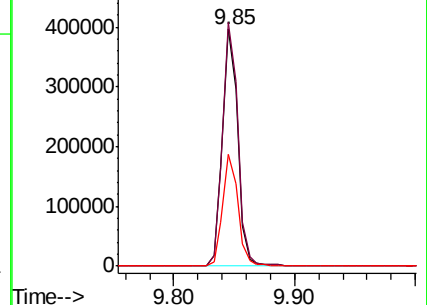
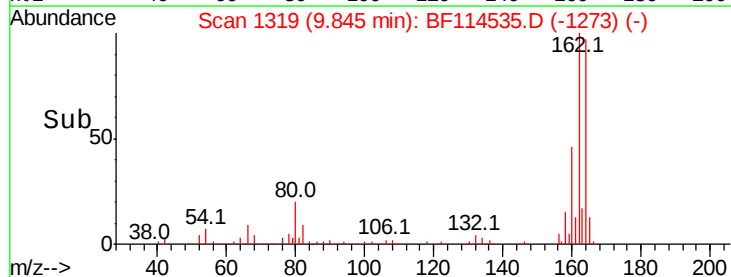
160 47.3 36.5 54.7



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

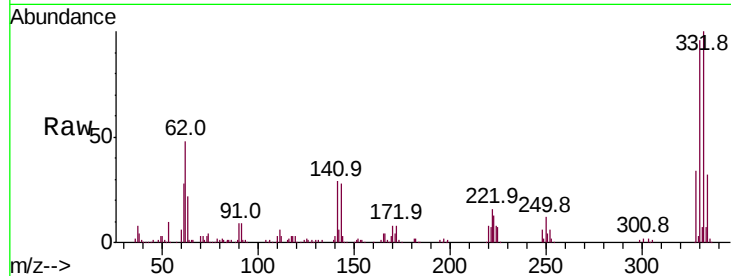




#42
 2,4,6-Tribromophenol
 Concen: 49.480 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF114535.D
 Acq: 23 May 2019 20:42

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2C-C-1-052019RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.8	81.4	122.2
141	34.6	26.6	40.0

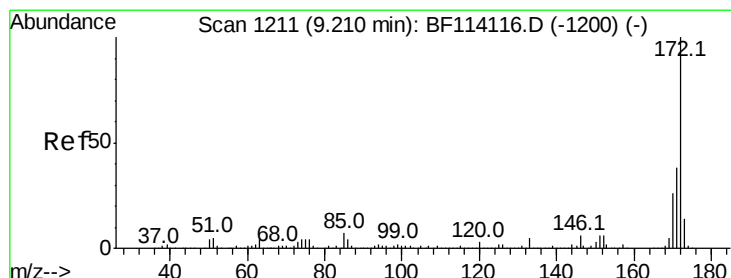
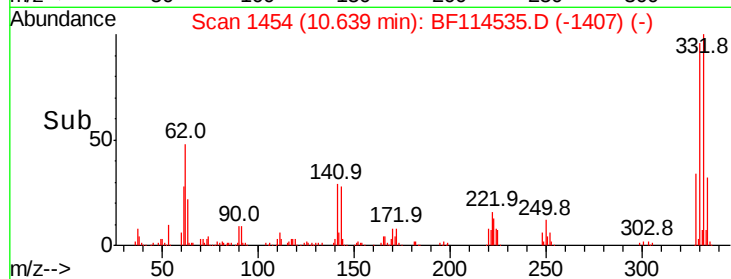
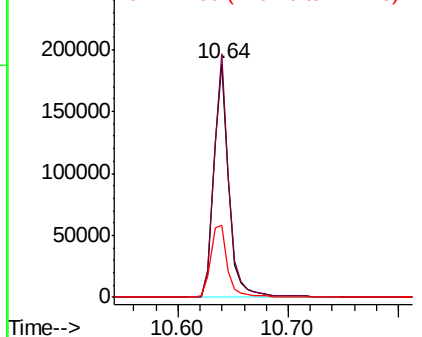


Abundance

Ion 329.80 (329.50 to 330.50): E

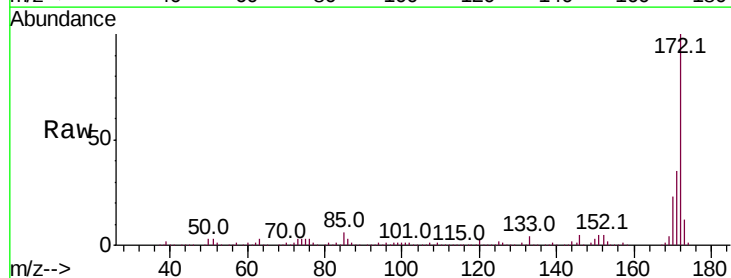
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 33.102 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF114535.D
 Acq: 23 May 2019 20:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.7	46.1
170	23.2	20.5	30.7

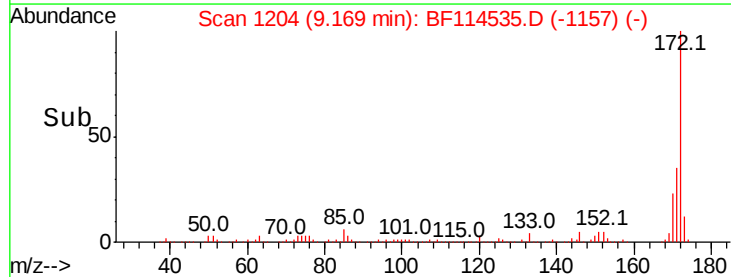
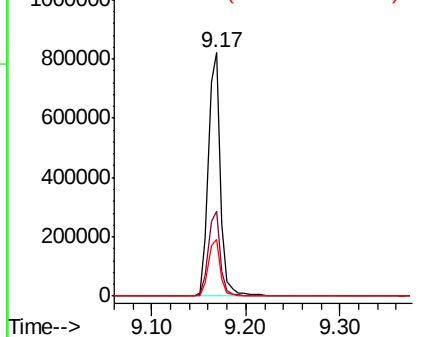


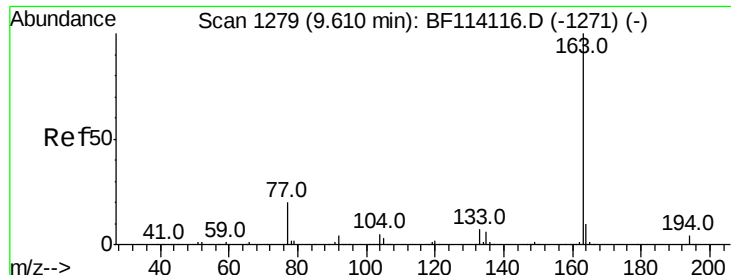
Abundance

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

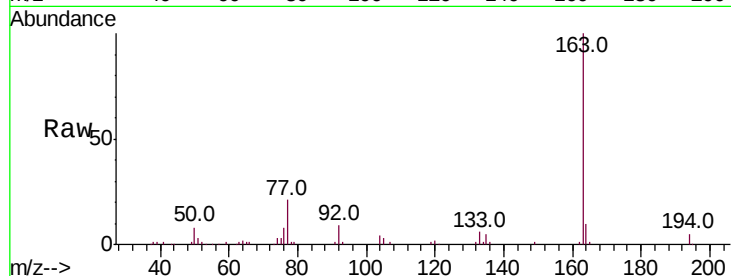




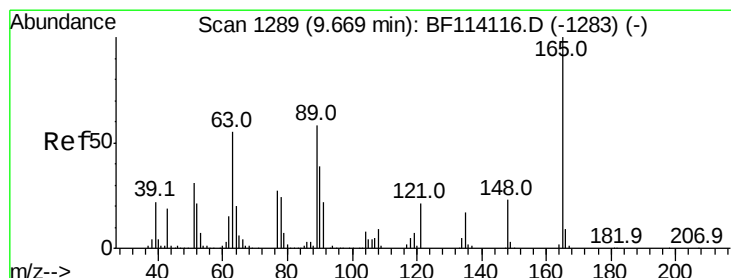
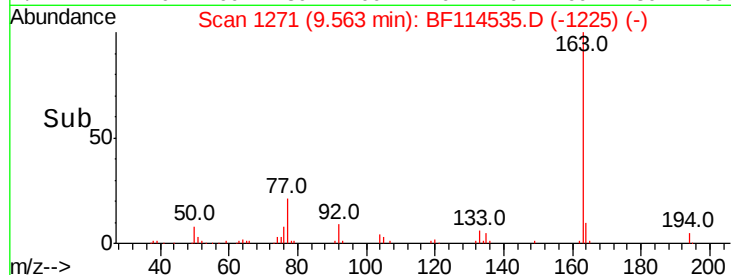
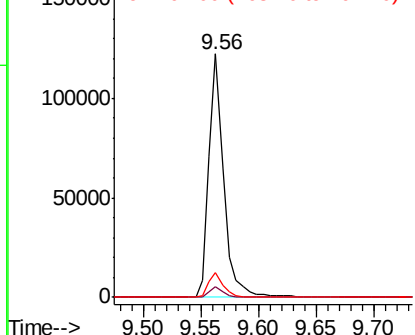
#50
Dimethylphthalate
Concen: 4.356 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF114535.D
Acq: 23 May 2019 20:42

Instrument :
BNA_F
ClientSampleId :
SUP-2C-C-1-052019RE

Tot Ion:163 Resp: 109678
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.0
164 10.4 8.2 12.2

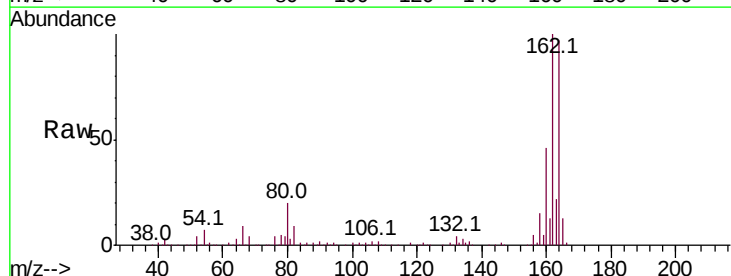


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

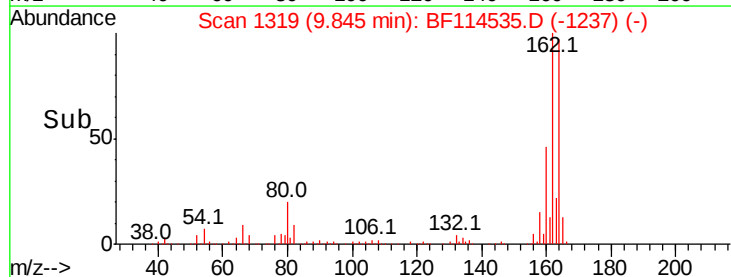
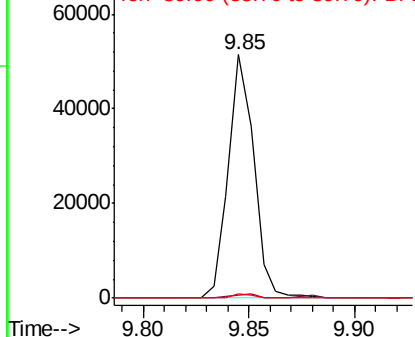


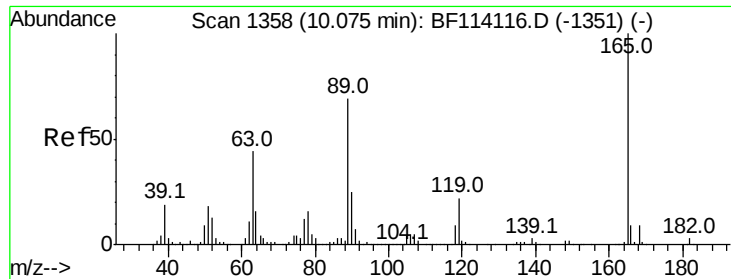
#51
2,6-Dinitrotoluene
Concen: 7.687 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.18 min
Lab File: BF114535.D
Acq: 23 May 2019 20:42

Tgt Ion:165 Resp: 42929
Ion Ratio Lower Upper
165 100
63 1.3 50.2 75.4#
89 1.5 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

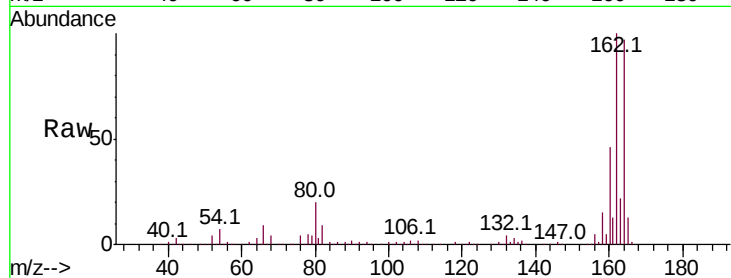




#57
 2,4-Dinitrotoluene
 Concen: 5.664 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.22 min
 Lab File: BF114535.D
 Acq: 23 May 2019 20:42

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2C-C-1-052019RE

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.5	53.3#
89	1.5	55.2	82.8#
182	0.0	2.2	3.2#

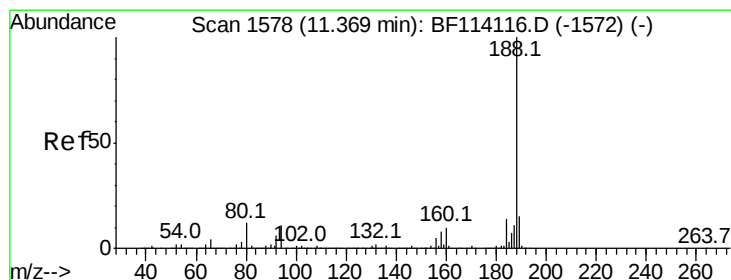
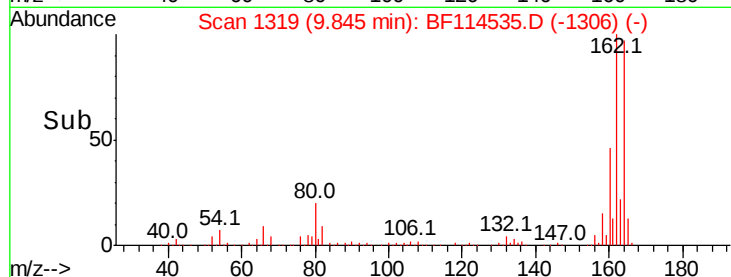
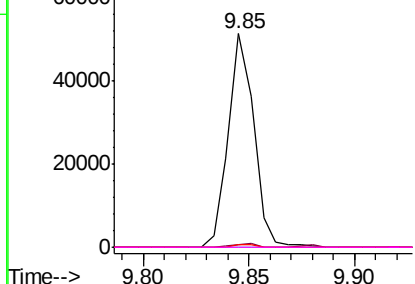


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

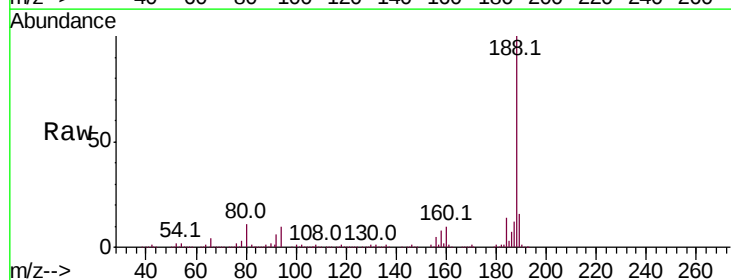
Ion 89.00 (88.70 to 89.70): BF1

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: BF114535.D
 Acq: 23 May 2019 20:42

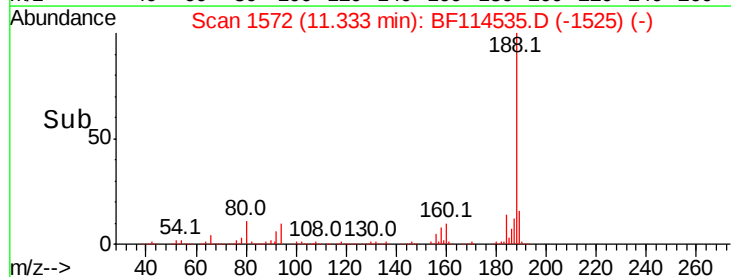
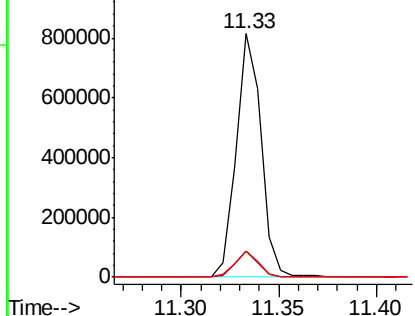
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.4	12.6
80	10.7	9.2	13.8

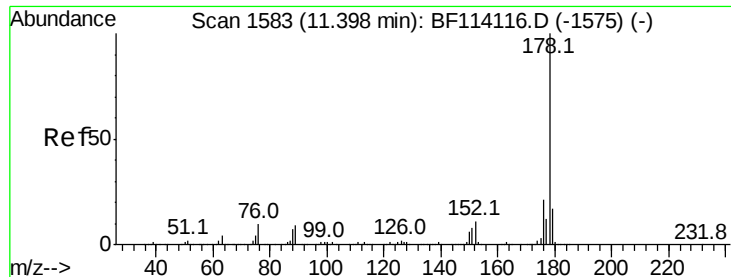


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

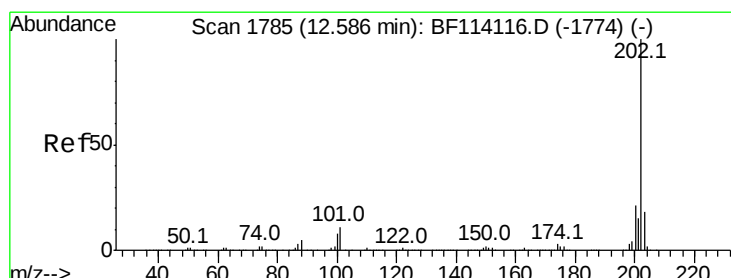
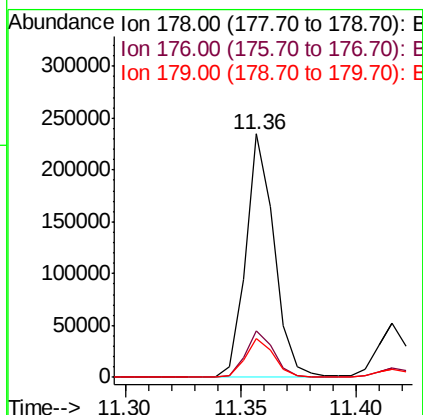
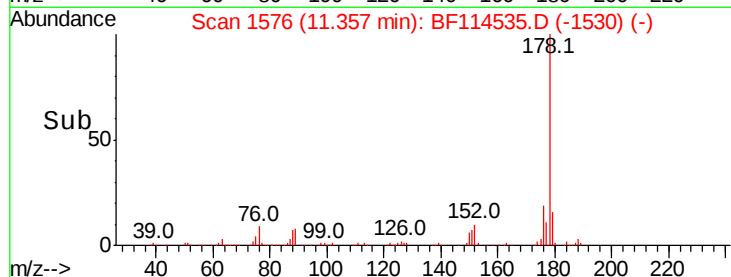
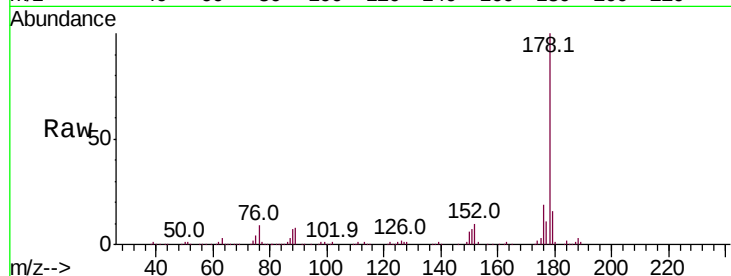




#71
Phenanthrene
Concen: 5.782 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.03 min
Lab File: BF114535.D
Acq: 23 May 2019 20:42

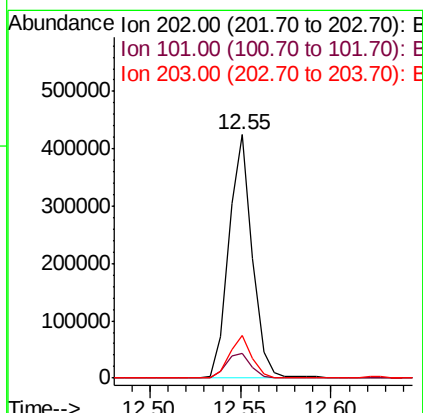
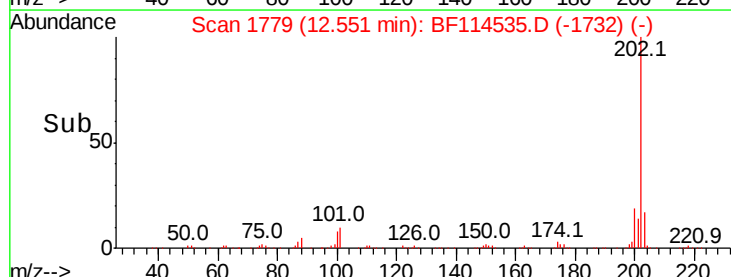
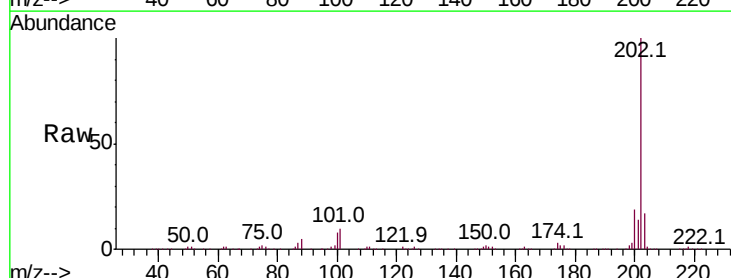
Instrument :
BNA_F
ClientSampleId :
SUP-2C-C-1-052019RE

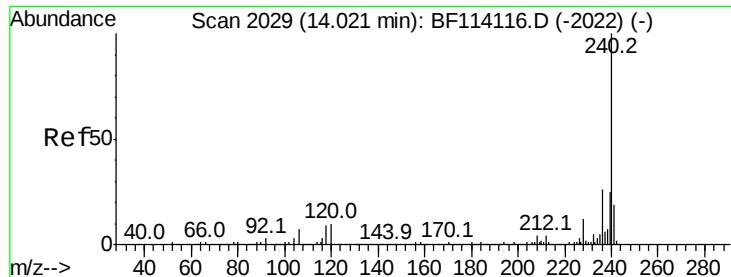
Tot Ion:178 Resp: 202330
Ion Ratio Lower Upper
178 100
176 19.0 16.4 24.6
179 15.9 13.2 19.8



#75
Fluoranthene
Concen: 10.115 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.02 min
Lab File: BF114535.D
Acq: 23 May 2019 20:42

Tgt Ion:202 Resp: 381187
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.0
203 17.3 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

Instrument :

BNA_F

ClientSampleId :

SUP-2C-C-1-052019RE

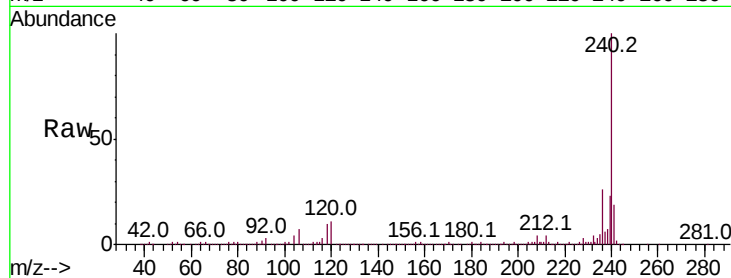
Tot Ion:240 Resp: 605235

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

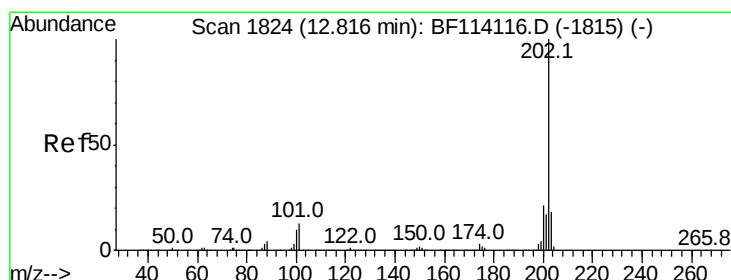
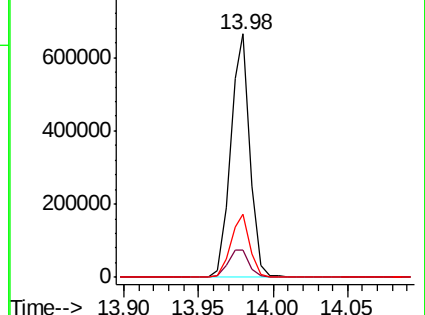
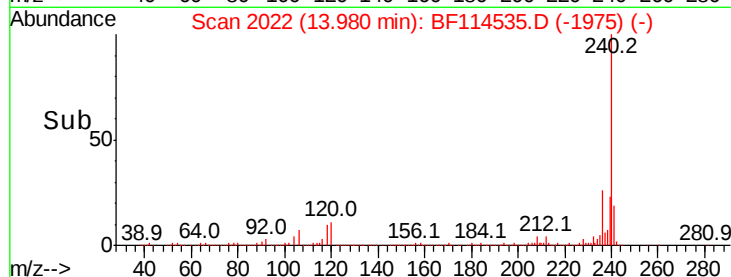
236 25.7 20.8 31.2



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

Pyrene

Concen: 6.517 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

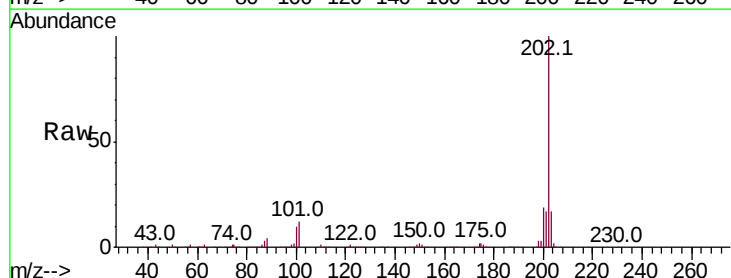
Tgt Ion:202 Resp: 317303

Ion Ratio Lower Upper

202 100

200 19.5 16.9 25.3

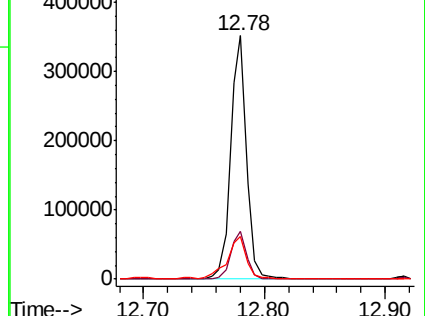
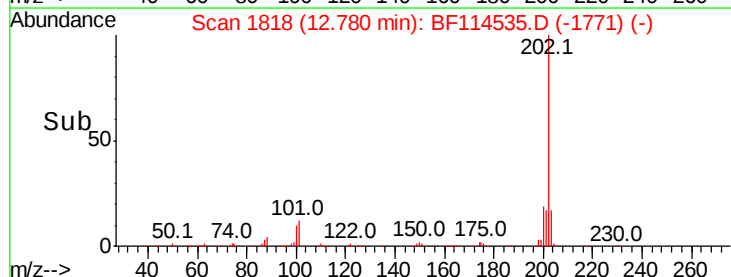
203 17.3 14.5 21.7

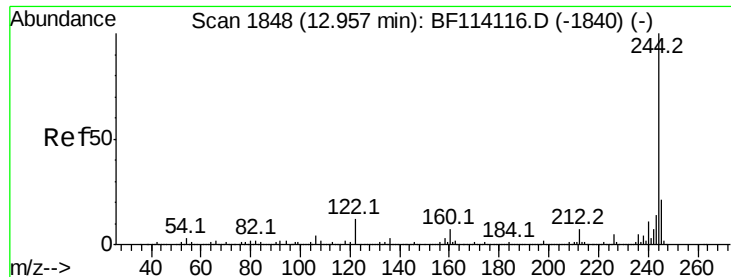


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 29.787 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.02 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

Instrument :

BNA_F

ClientSampleId :

SUP-2C-C-1-052019RE

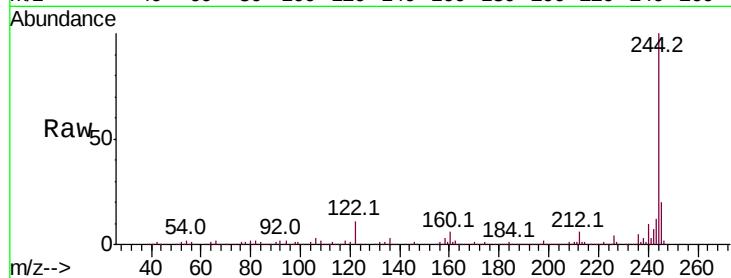
Tot Ion:244 Resp: 874530

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

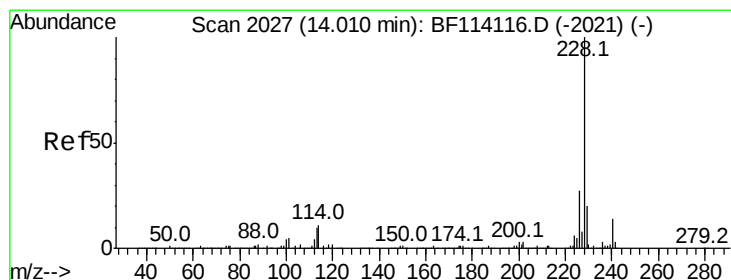
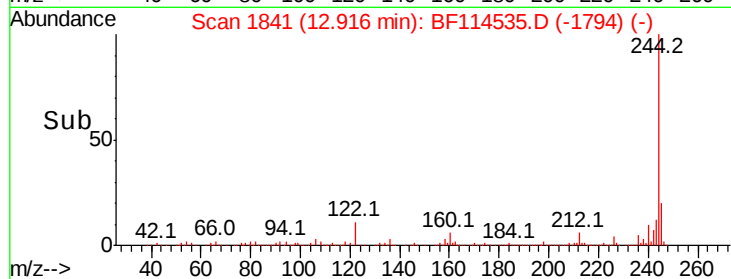
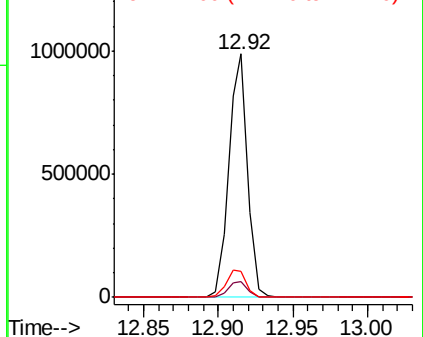
122 10.8 9.4 14.2



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: 4.018 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

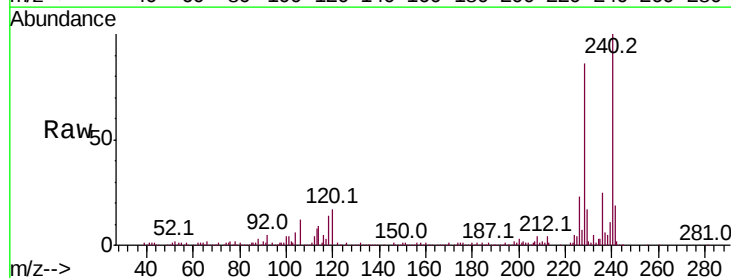
Tgt Ion:228 Resp: 157288

Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.2

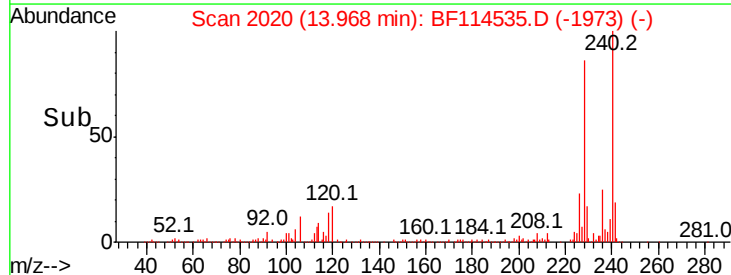
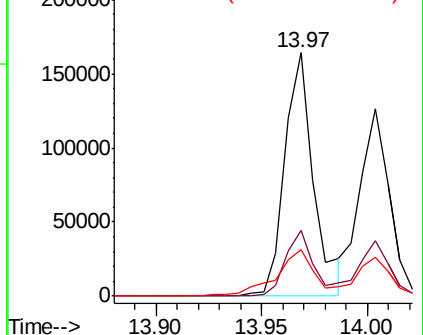
229 19.3 16.4 24.6

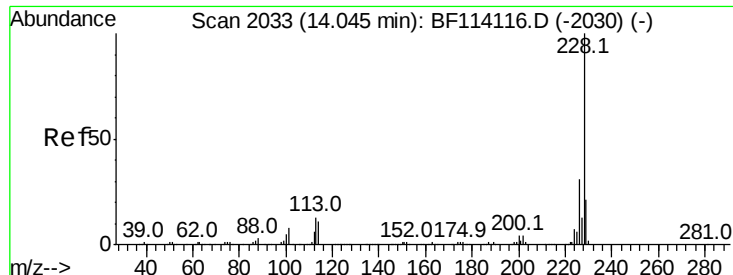


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

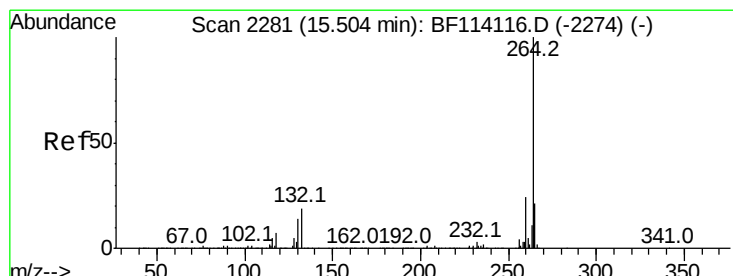
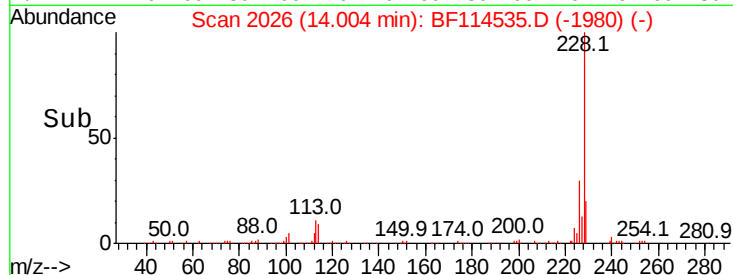
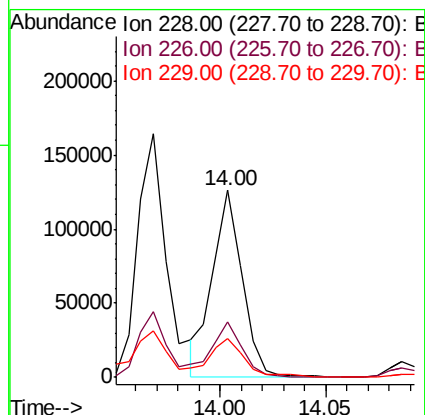
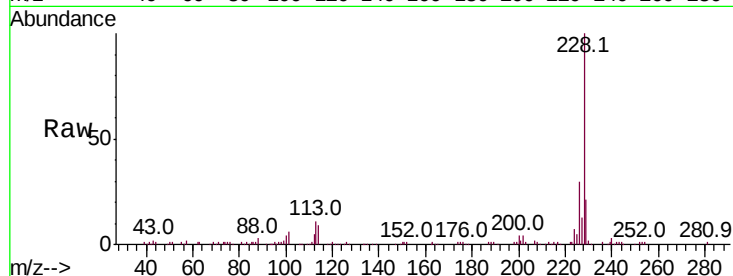




#83
 Chrysene
 Concen: 3.228 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.03 min
 Lab File: BF114535.D
 Acq: 23 May 2019 20:42

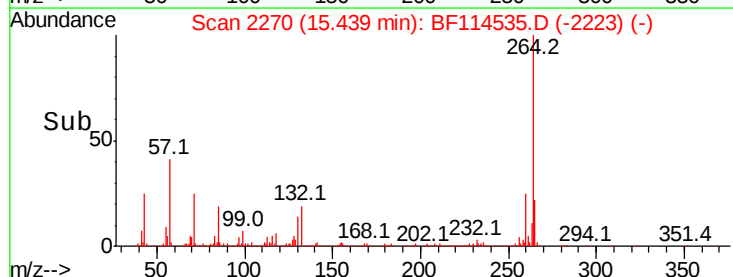
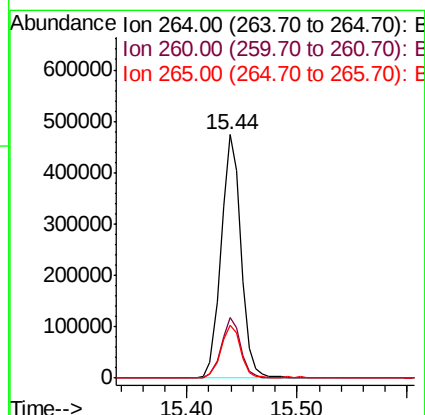
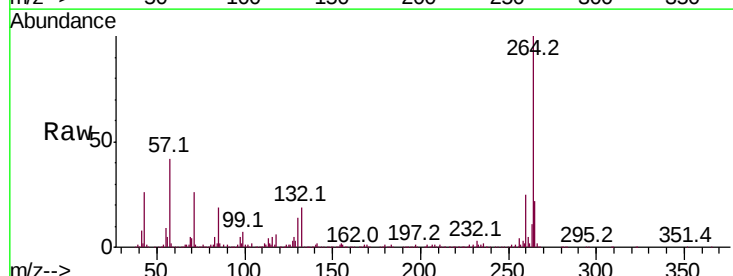
Instrument :
 BNA_F
 ClientSampleId :
 SUP-2C-C-1-052019RE

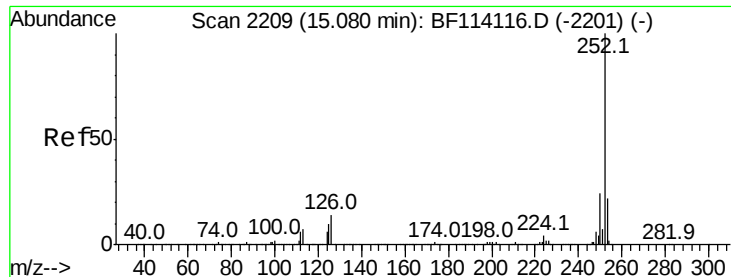
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	20.7	17.0	25.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.02 min
 Lab File: BF114535.D
 Acq: 23 May 2019 20:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.0
265	22.0	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 5.364 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

Instrument :

BNA_F

ClientSampleId :

SUP-2C-C-1-052019RE

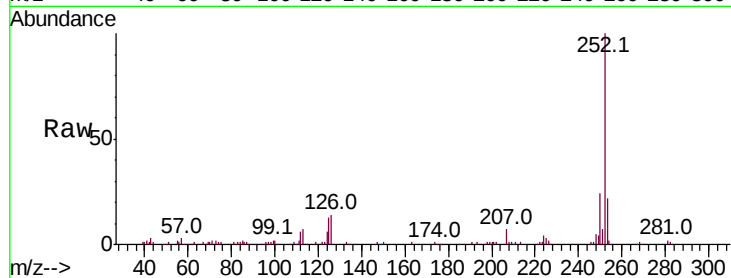
Tot Ion:252 Resp: 204812

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

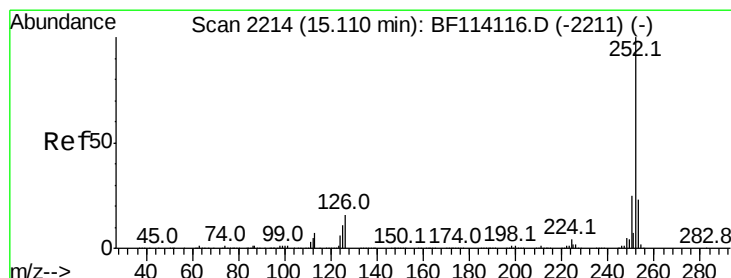
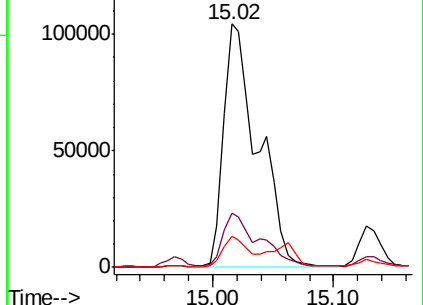
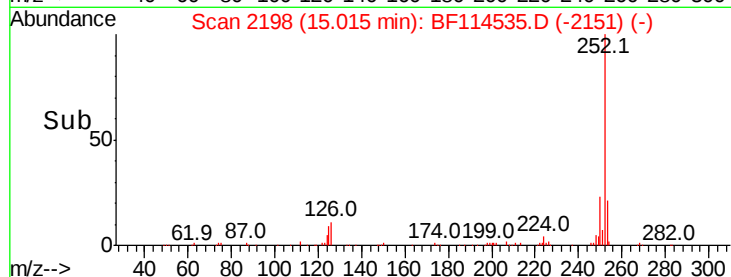
125 12.7 8.3 12.5#



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: 5.827 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.05 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

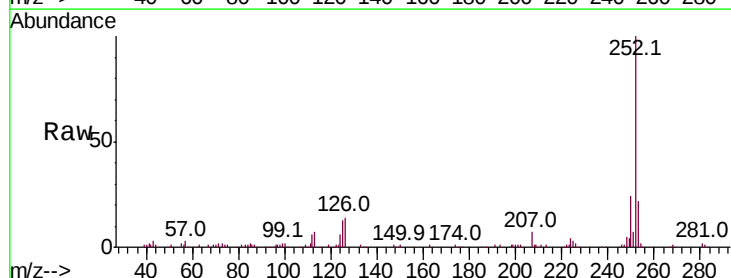
Tgt Ion:252 Resp: 204364

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

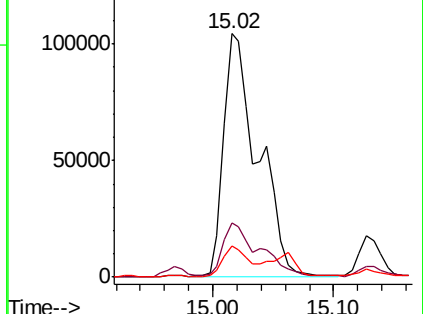
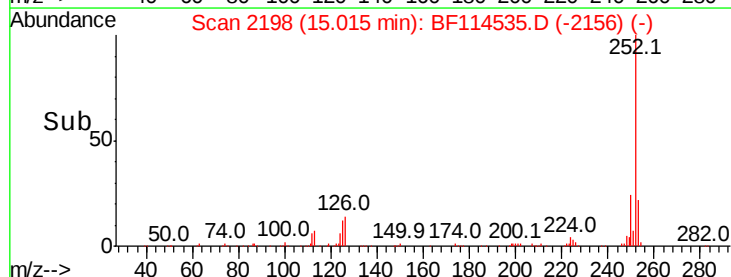
125 12.7 8.6 13.0

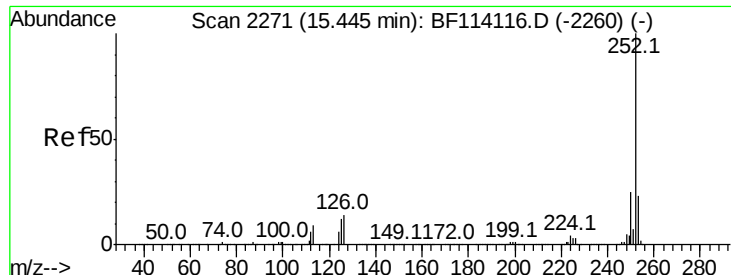


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.193 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.02 min

Lab File: BF114535.D

Acq: 23 May 2019 20:42

Instrument :

BNA_F

ClientSampleId :

SUP-2C-C-1-052019RE

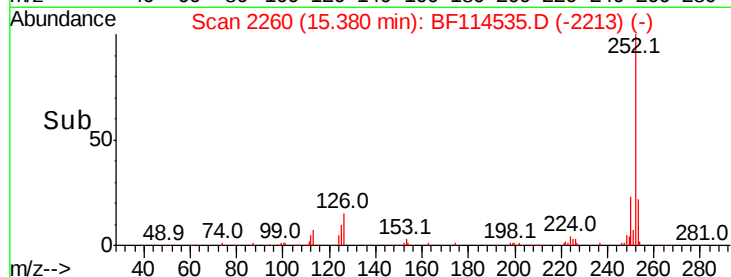
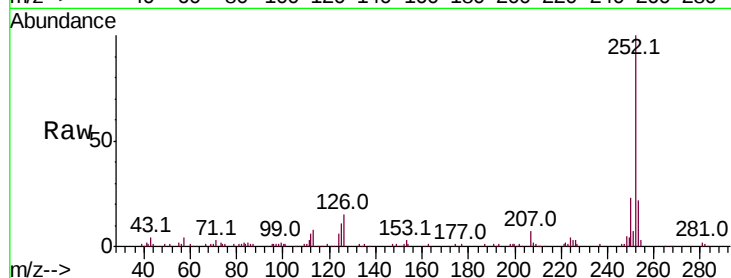
Tot Ion:252 Resp: 107306

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

125 10.6 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

