

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114545.D
 Acq On : 24 May 2019 1:06
 Operator : JU/SJ
 Sample : K2998-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EWING-SP

Quant Time: May 24 07:21:39 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	150758	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	592026	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	297592	20.00	ng	-0.03
64) Phenanthrene-d10	11.33	188	645681	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	434158	20.00	ng	-0.02
87) Perylene-d12	15.44	264	445206	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	872681	93.15	ng	-0.03
7) Phenol-d6	6.46	99	1161620	104.84	ng	-0.03
23) Nitrobenzene-d5	7.37	82	678319	64.30	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	322879	104.95	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1142382	58.07	ng	-0.02
79) Terphenyl-d14	12.92	244	1242549	59.00	ng	-0.02

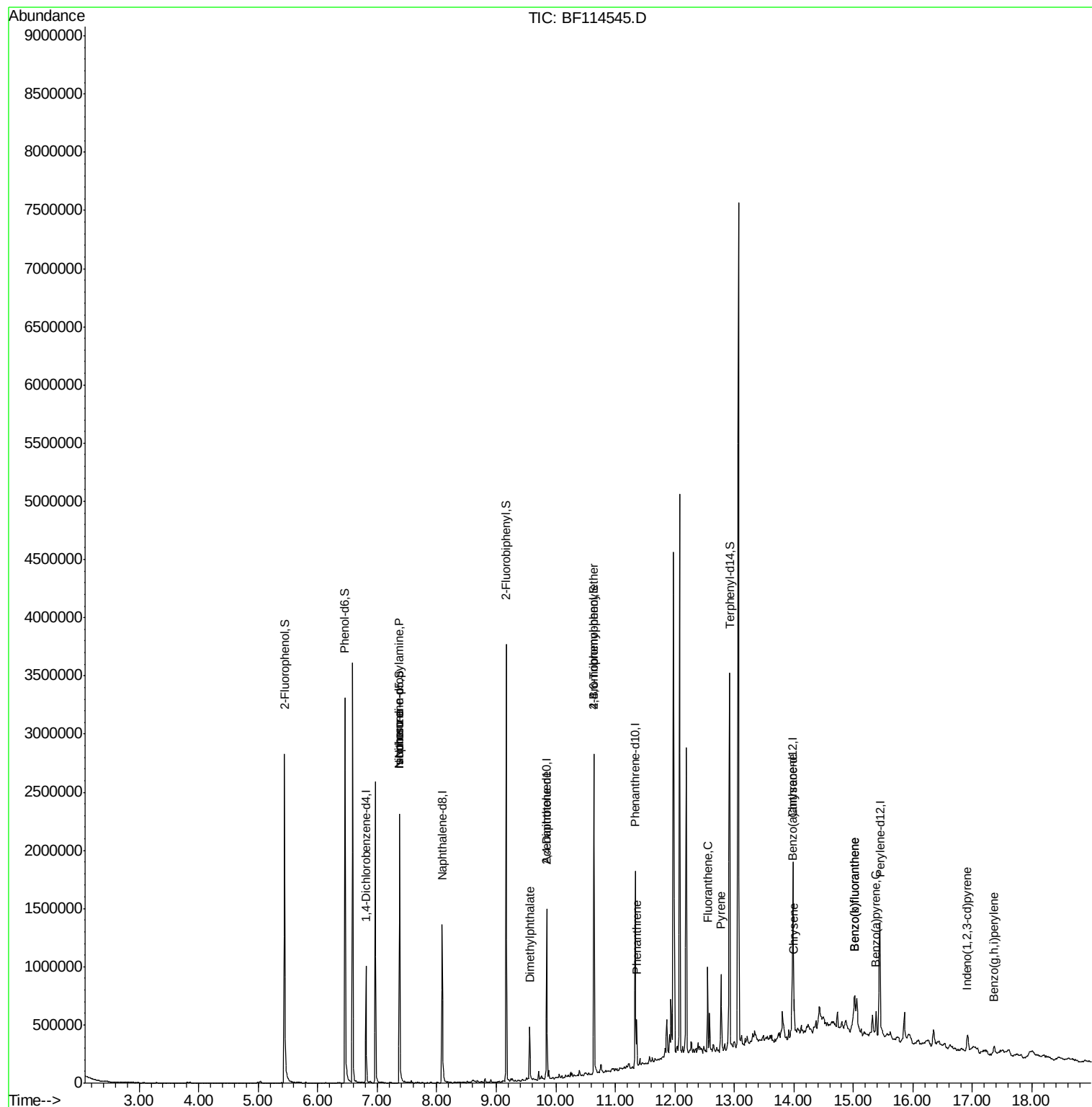
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	89966	12.810	ng	# 76
25) Isophorone	7.37	82	678313	34.670	ng	# 64
50) Dimethylphthalate	9.56	163	179864	8.233	ng	99
57) 2,4-Dinitrotoluene	9.85	165	38307	5.825	ng	# 25
67) 4-Bromophenyl-phenylether	10.64	248	20514	2.886	ng	# 1
71) Phenanthrene	11.36	178	147501	4.696	ng	96
75) Fluoranthene	12.55	202	272476	8.055	ng	98
78) Pyrene	12.78	202	263215	7.536	ng	98
81) Benzo(a)anthracene	13.97	228	113148	4.029	ng	99
83) Chrysene	14.00	228	106041	3.852	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	56054	2.304	ng	96
88) Benzo(b)fluoranthene	15.02	252	164524	5.768	ng	# 94
89) Benzo(k)fluoranthene	15.02	252	164524	6.279	ng	# 95
90) Benzo(a)pyrene	15.39	252	94684	3.772	ng	# 94
92) Benzo(a,h,i)perylene	17.36	276	53148	2.543	ng	96

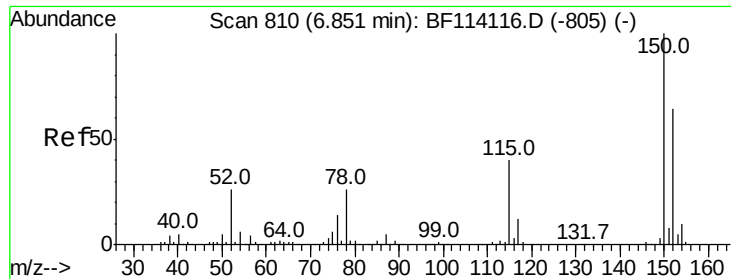
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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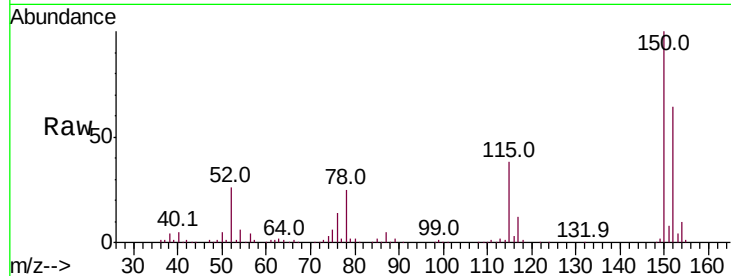


#1

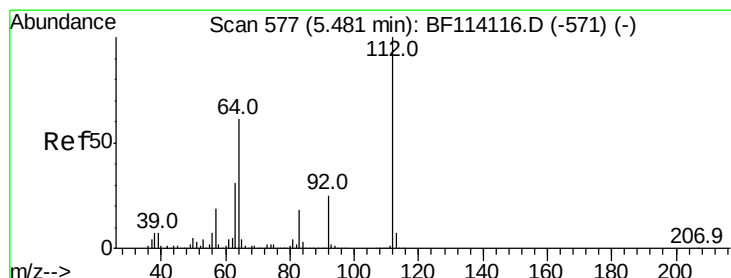
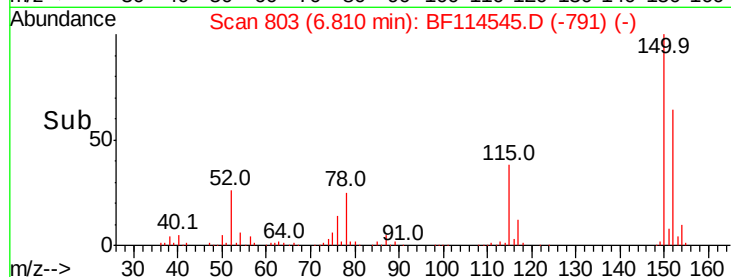
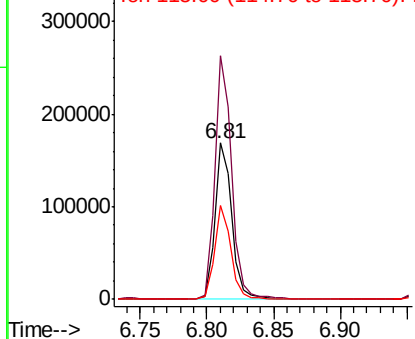
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Instrument :
BNA_F
ClientSampleId :
EWING-SP

Tot Ion:152 Resp: 150758
Ion Ratio Lower Upper
152 100
150 155.7 124.3 186.5
115 59.9 49.1 73.7



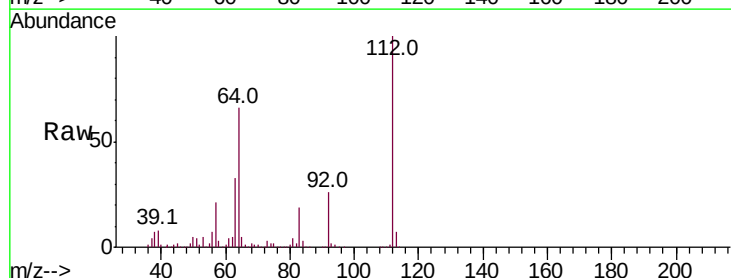
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



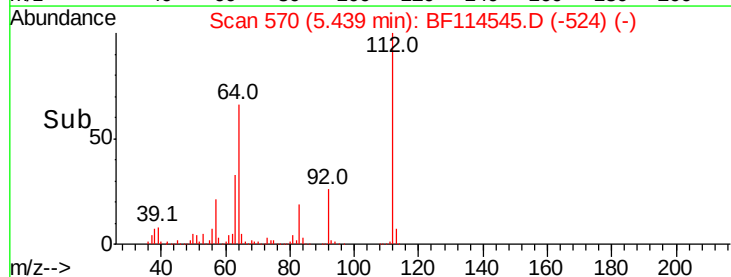
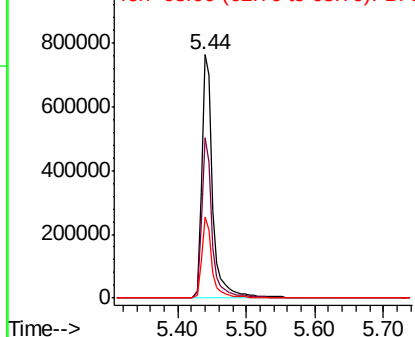
#5

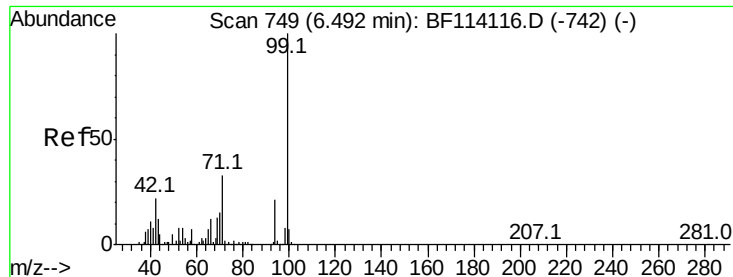
2-Fluorophenol
Concen: 93.154 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion:112 Resp: 872681
Ion Ratio Lower Upper
112 100
64 65.7 49.0 73.6
63 33.5 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: 104.839 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

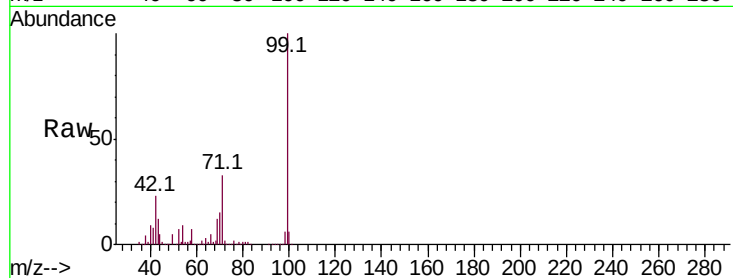
BNA_F

ClientSampleId :

EWING-SP

Tot Ion: 99 Resp: 1161620

Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.9	26.9
71	33.3	26.2	39.2

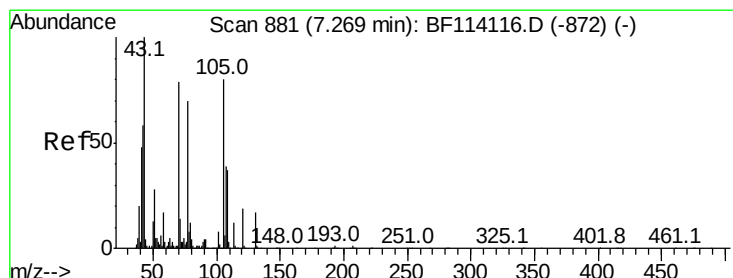
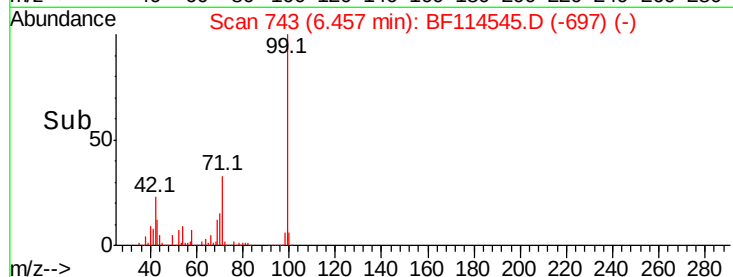
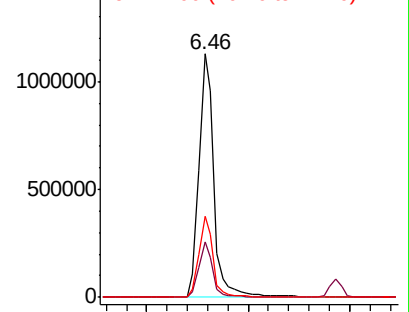


Abundance

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: 12.810 ng

RT: 7.37 min Scan# 899

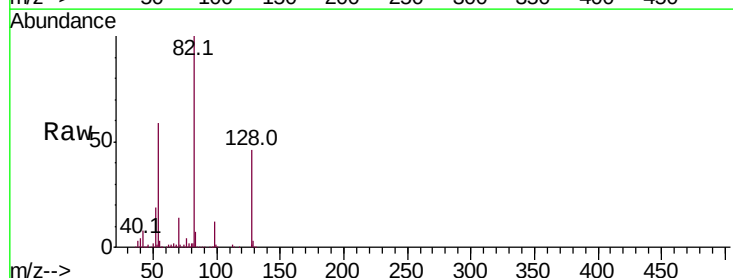
Delta R.T. 0.12 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Tgt Ion: 70 Resp: 89966

Ion	Ratio	Lower	Upper
70	100		
42	57.0	58.6	87.8#
101	0.0	7.8	11.8#
130	2.1	17.1	25.7#



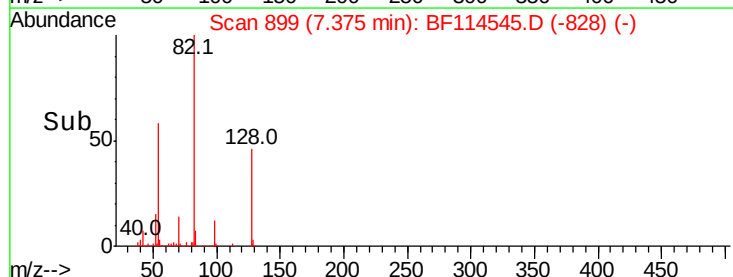
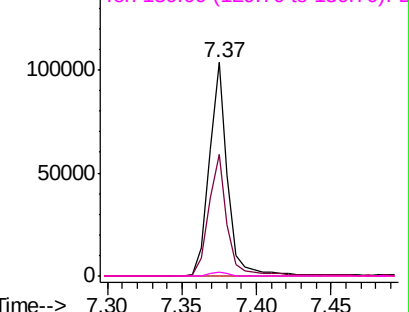
Abundance

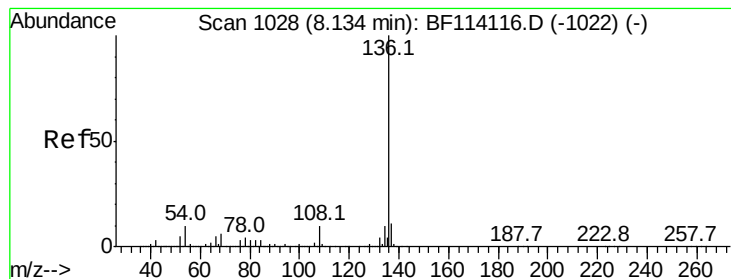
Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.03 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

BNA_F

ClientSampled :

EWING-SP

Tot Ion:136 Resp: 592026

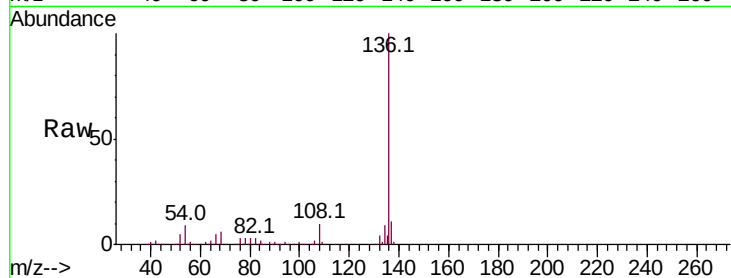
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.7 7.8 11.8

68 5.8 5.1 7.7

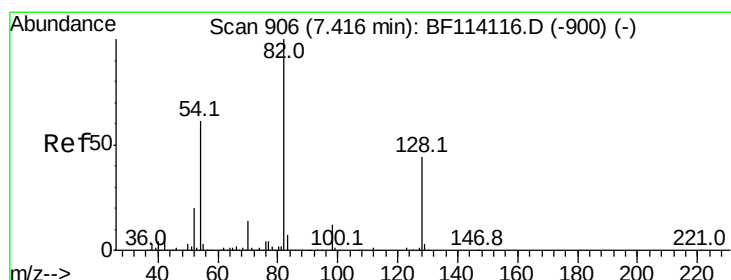
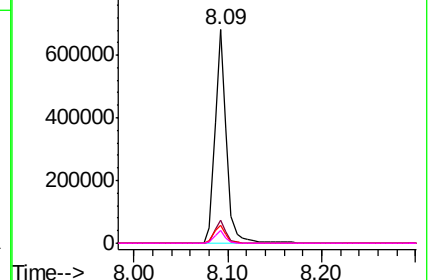
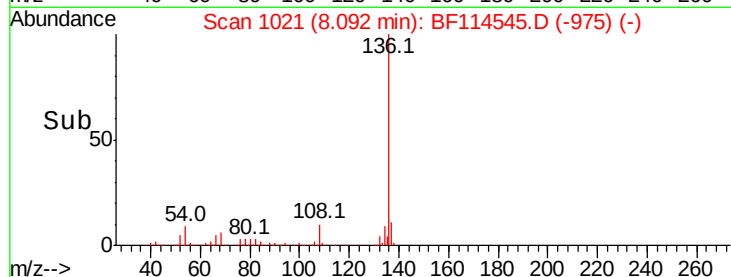


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.300 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.03 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

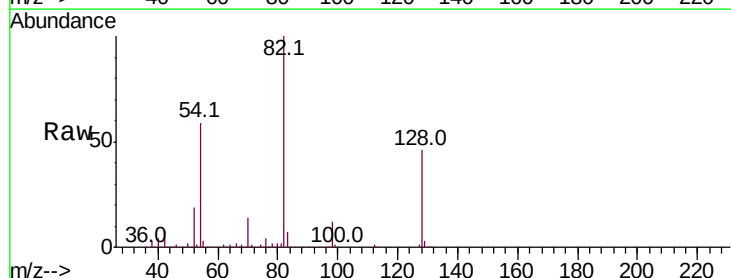
Tgt Ion: 82 Resp: 678319

Ion Ratio Lower Upper

82 100

128 45.6 35.5 53.3

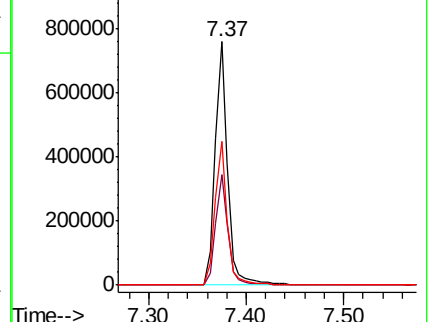
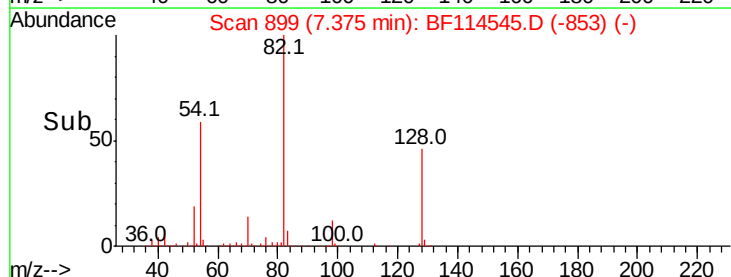
54 58.9 48.5 72.7

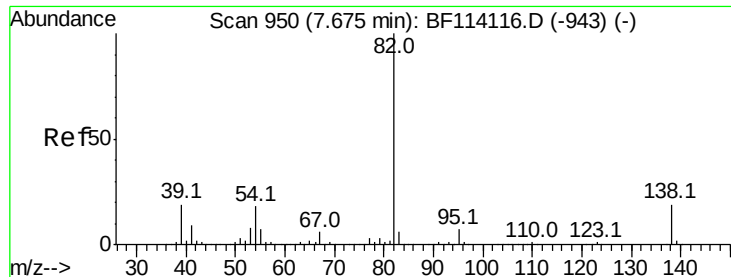


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.670 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

BNA_F

ClientSampleId :

EWING-SP

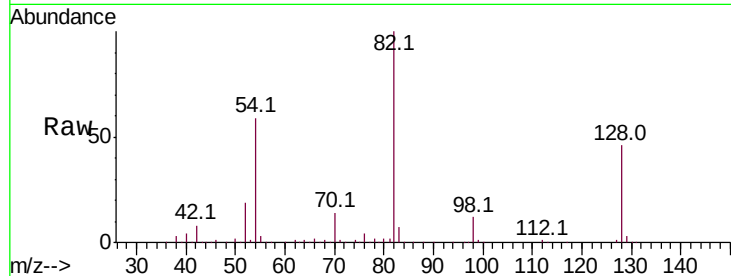
Tot Ion: 82 Resp: 678313

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

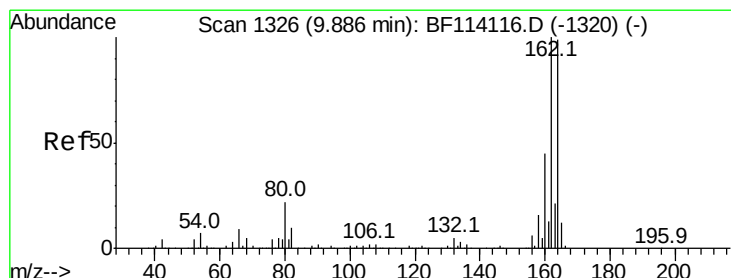
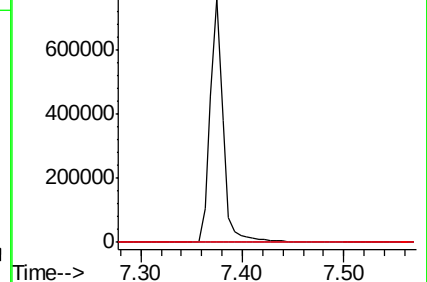
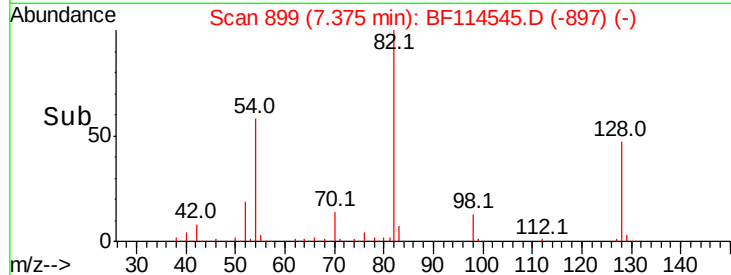
138 0.0 14.8 22.2#



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: BF114545.D

Acq: 24 May 2019 1:06

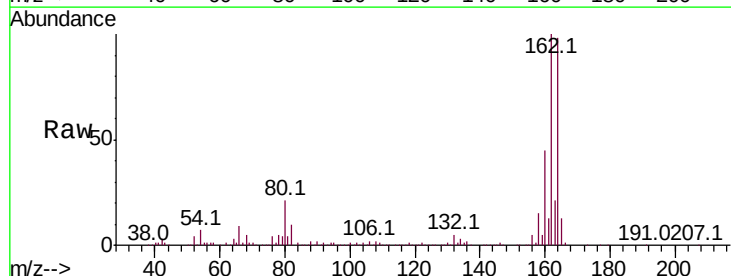
Tgt Ion:164 Resp: 297592

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

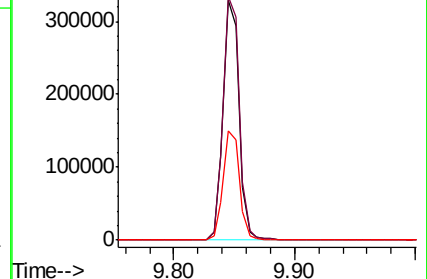
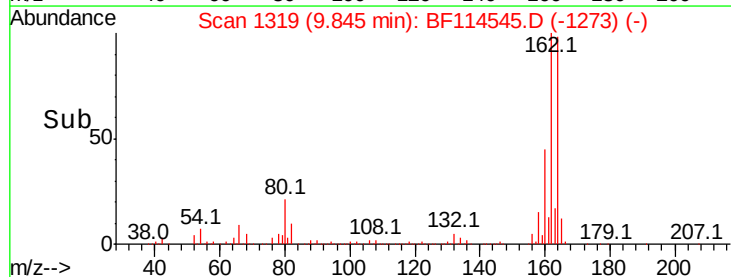
160 45.6 36.5 54.7

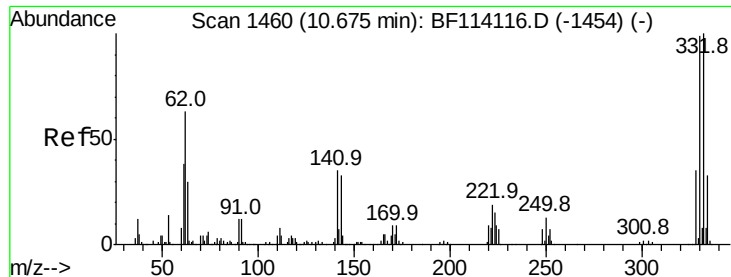


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 104.947 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

BNA_F

ClientSampleId :

EWING-SP

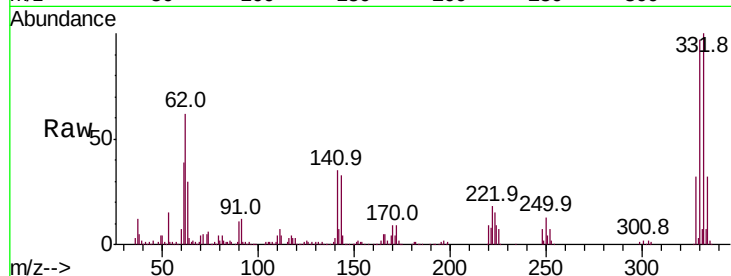
Tot Ion:330 Resp: 322879

Ion Ratio Lower Upper

330 100

332 102.6 81.4 122.2

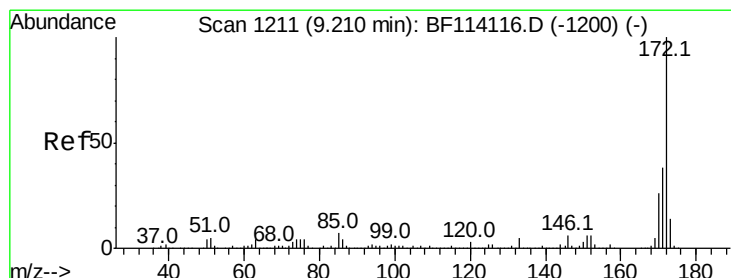
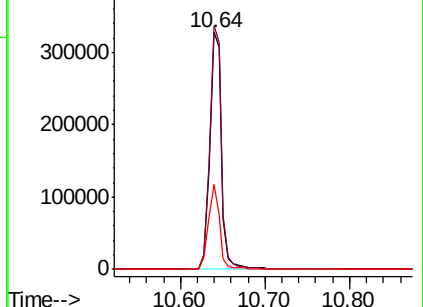
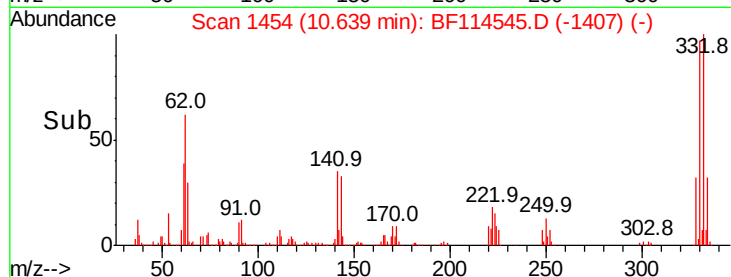
141 33.1 26.6 40.0



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: 58.067 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.02 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

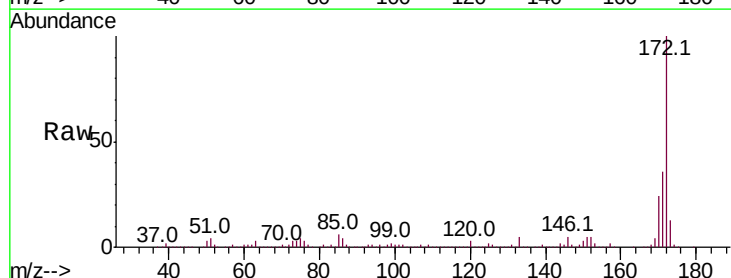
Tgt Ion:172 Resp: 1142382

Ion Ratio Lower Upper

172 100

171 35.9 30.7 46.1

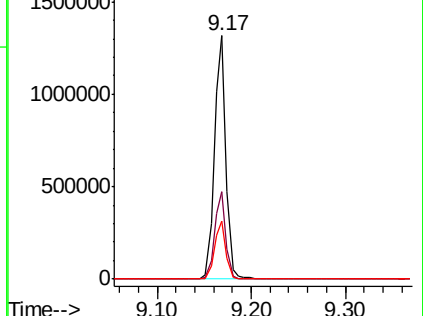
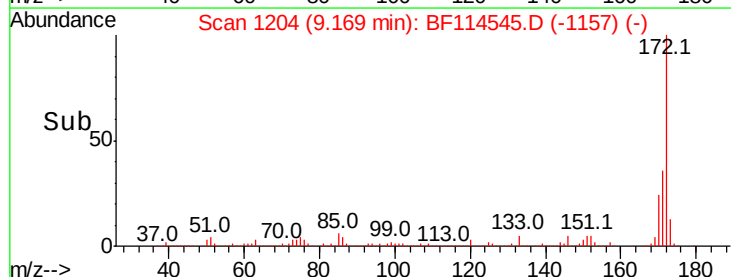
170 23.7 20.5 30.7

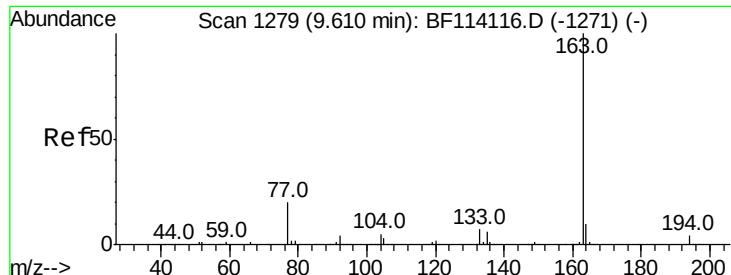


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

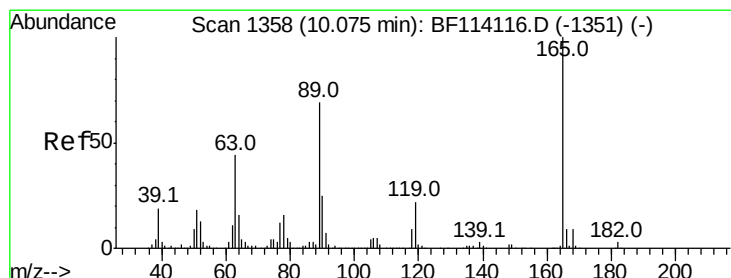
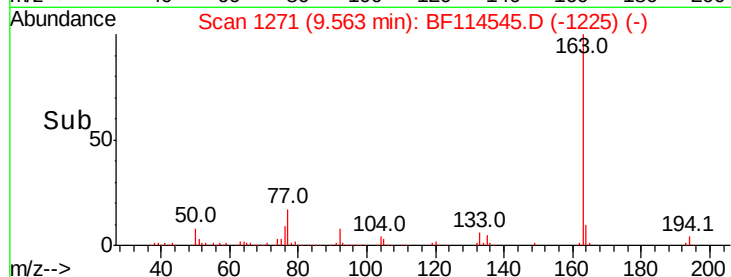
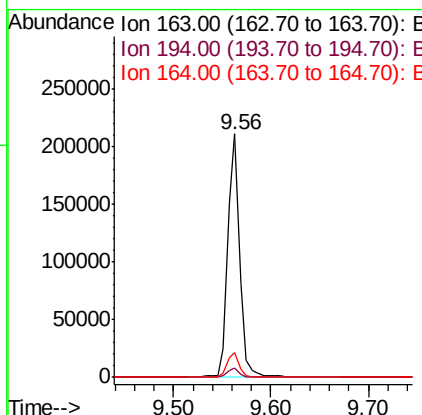
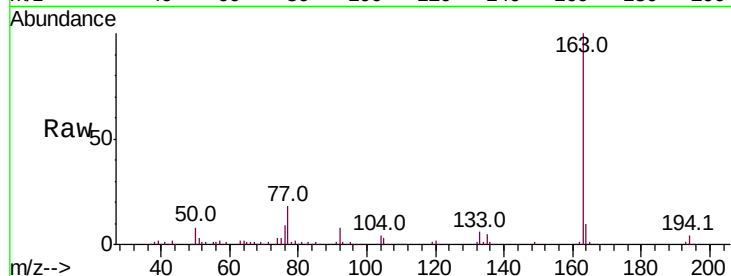




#50
Dimethylphthalate
Concen: 8.233 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

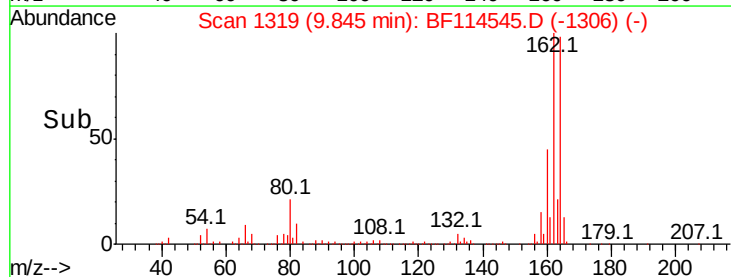
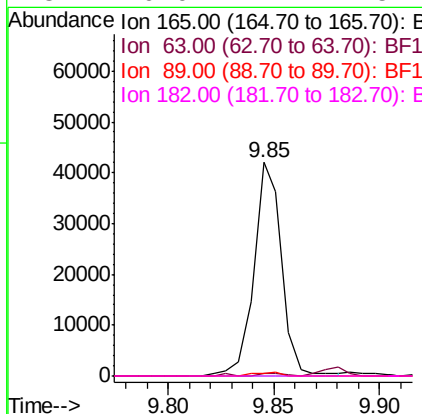
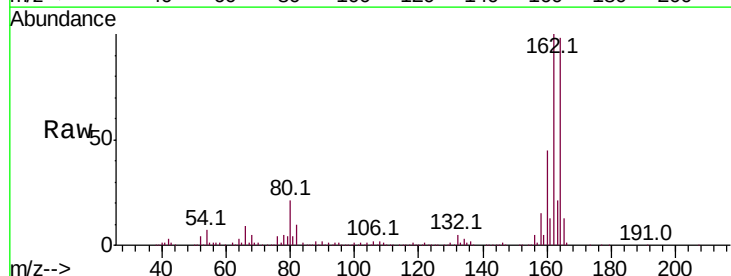
Instrument :
BNA_F
ClientSampled :
EWING-SP

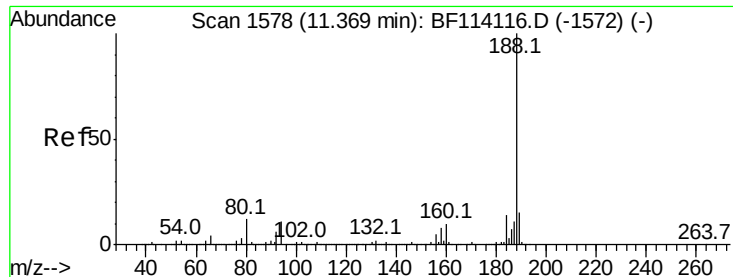
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.0	8.2	12.2



#57
2,4-Dinitrotoluene
Concen: 5.825 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.22 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.5	53.3#
89	1.1	55.2	82.8#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

BNA_F

ClientSampleId :

EWING-SP

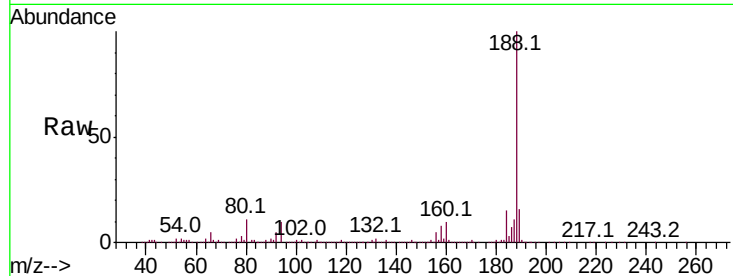
Tot Ion:188 Resp: 645681

Ion Ratio Lower Upper

188 100

94 10.2 8.4 12.6

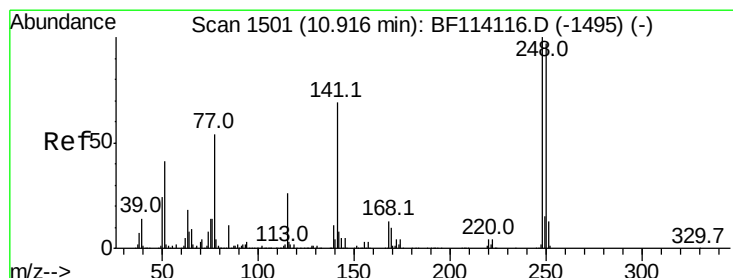
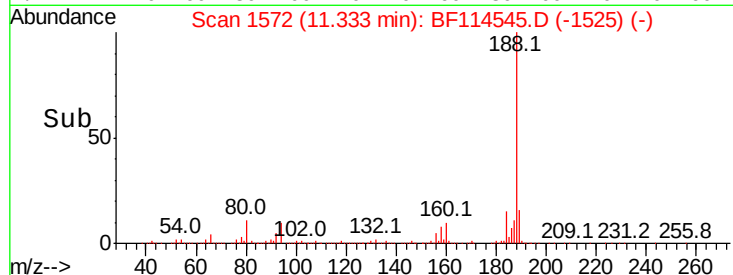
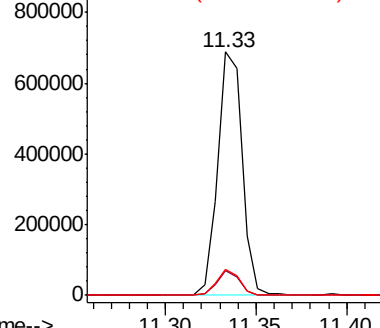
80 10.7 9.2 13.8



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



#67

4-Bromophenyl-phenylether

Concen: 2.886 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.26 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

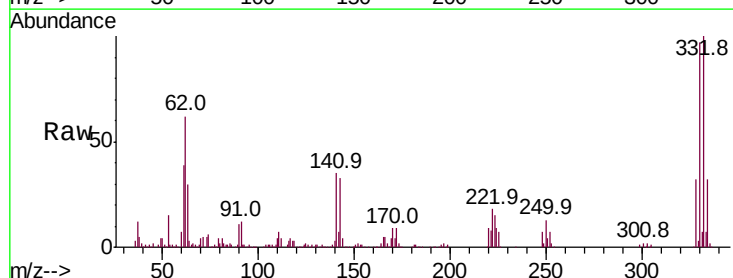
Tgt Ion:248 Resp: 20514

Ion Ratio Lower Upper

248 100

250 202.4 77.4 116.2#

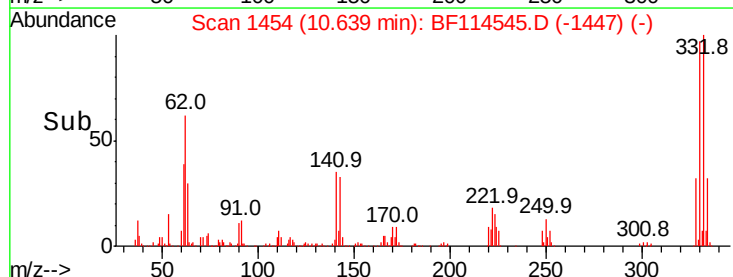
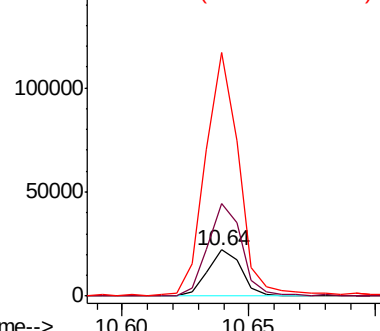
141 529.8 55.6 83.4#

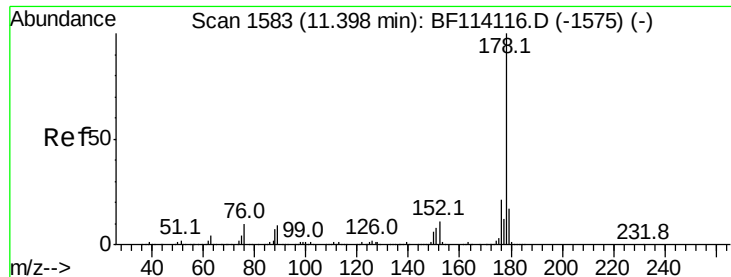


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

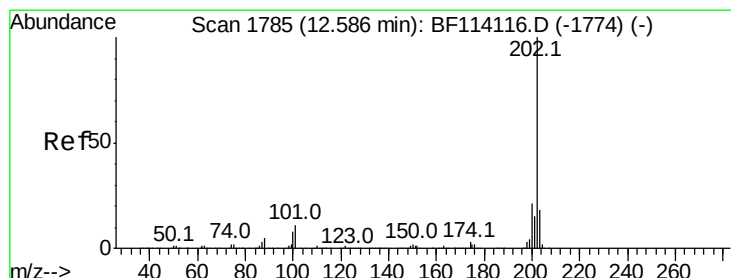
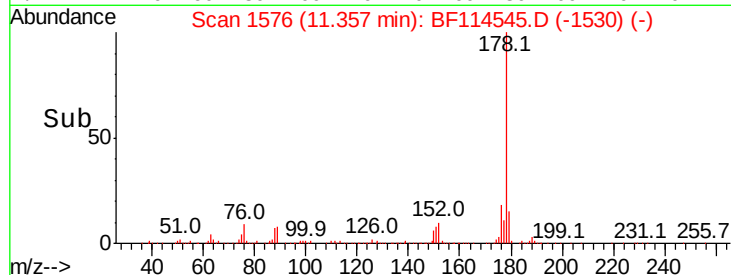
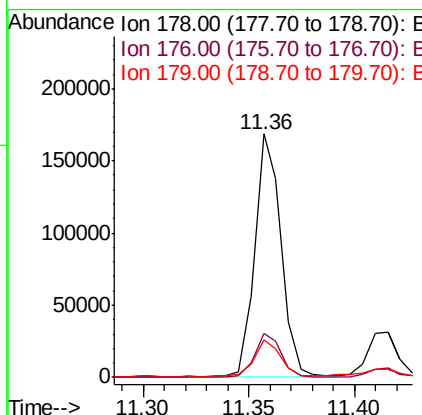
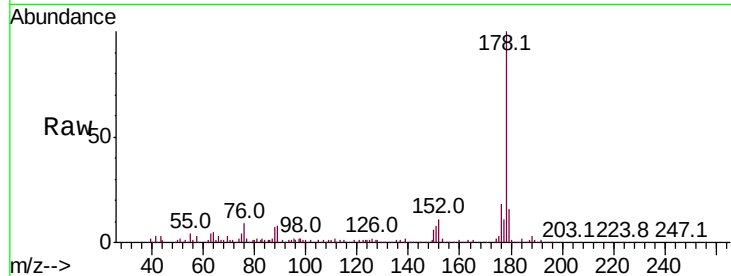




#71
Phenanthrene
Concen: 4.696 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.03 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

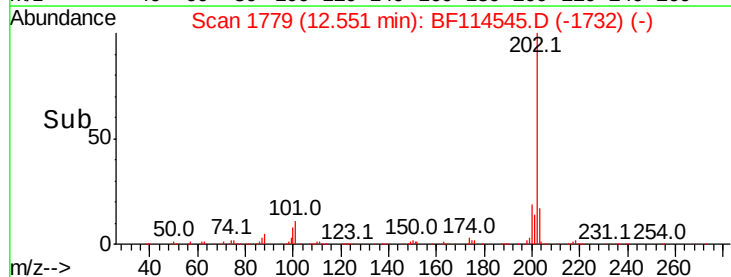
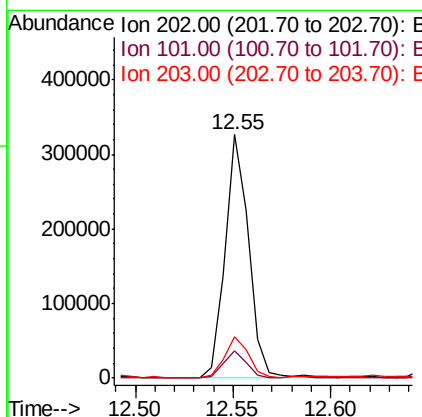
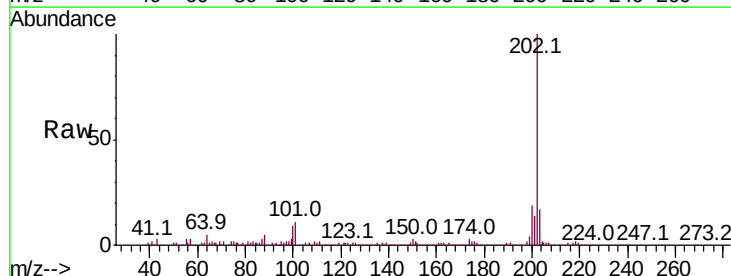
Instrument :
BNA_F
ClientSampleId :
EWING-SP

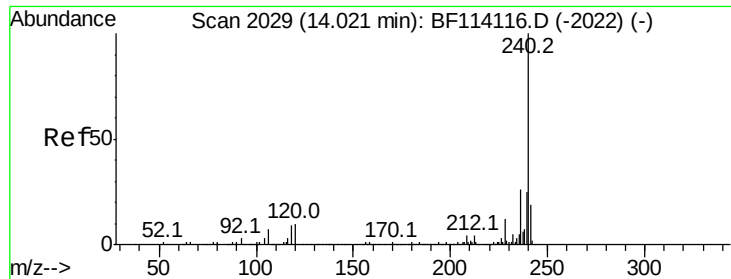
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.4	24.6
179	15.7	13.2	19.8



#75
Fluoranthene
Concen: 8.055 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.02 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.0
203	17.1	0.0	38.4

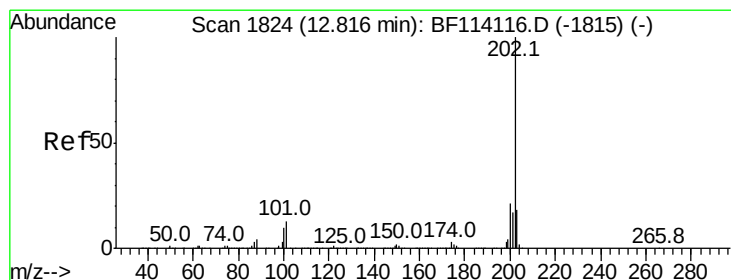
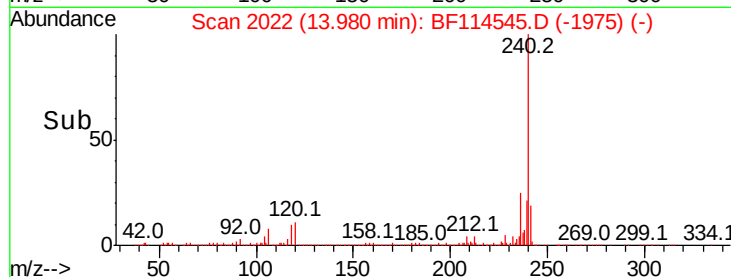
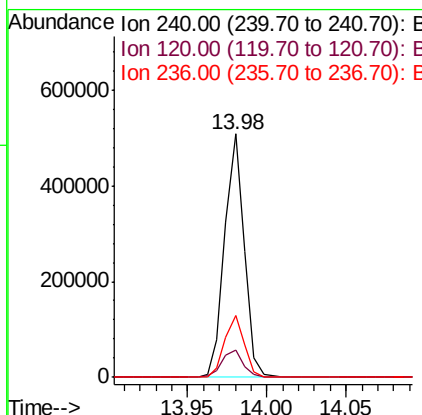
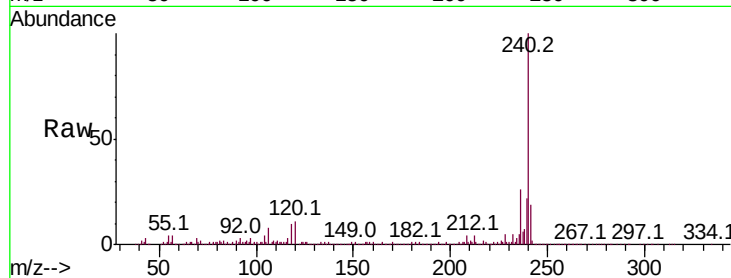




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

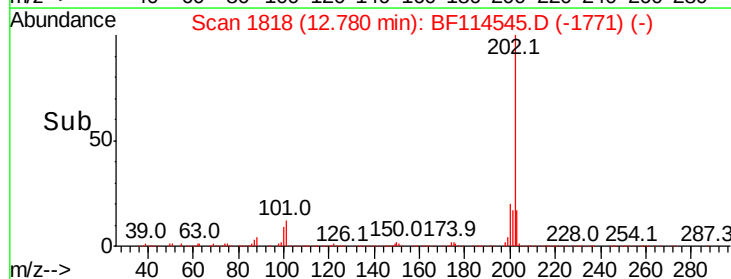
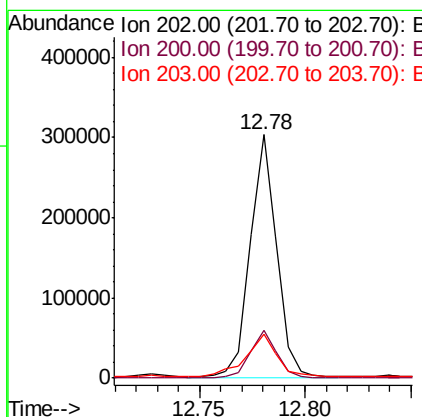
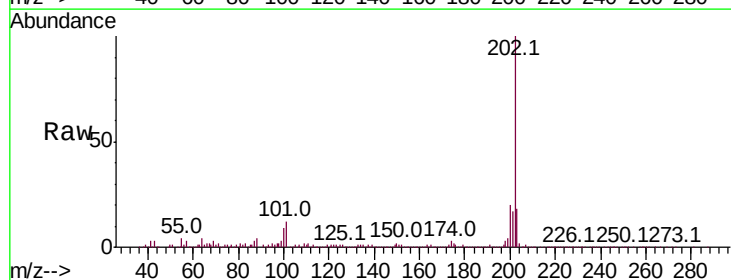
Instrument :
BNA_F
ClientSampleId :
EWING-SP

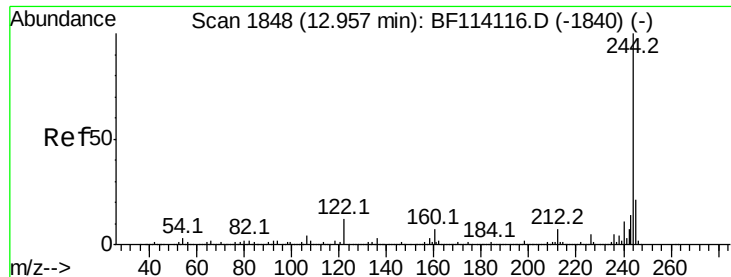
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.3	12.5
236	25.5	20.8	31.2



#78
Pyrene
Concen: 7.536 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.9	25.3
203	17.8	14.5	21.7





#79

Terphenyl-d14

Concen: 58.998 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

BNA_F

ClientSampleId :

EWING-SP

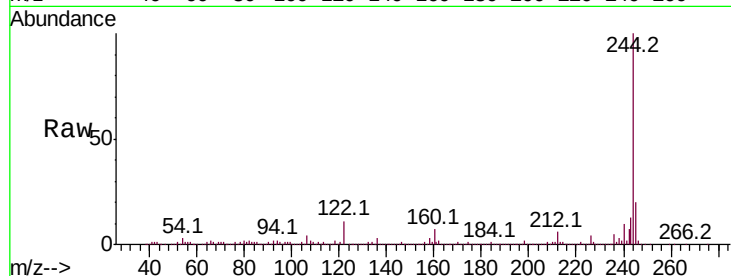
Tot Ion:244 Resp: 1242549

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

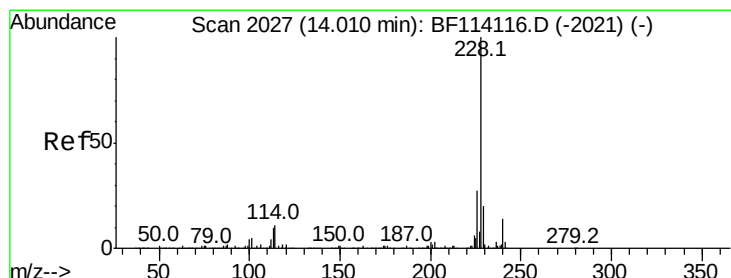
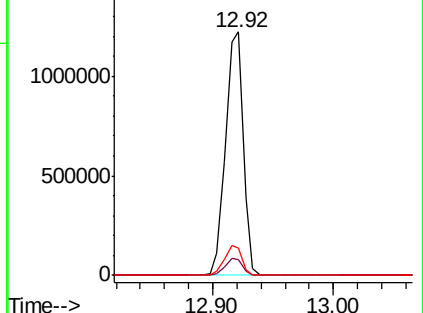
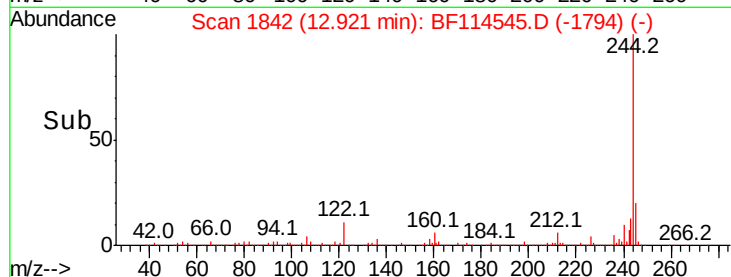
122 11.0 9.4 14.2



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: 4.029 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

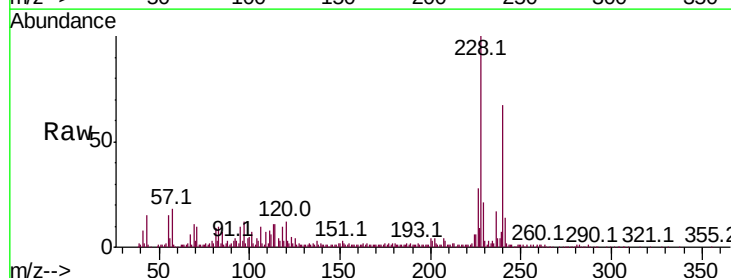
Tgt Ion:228 Resp: 113148

Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.2

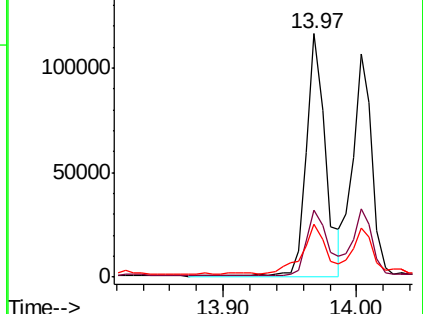
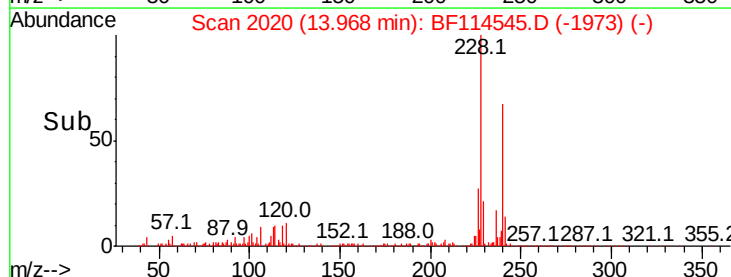
229 21.5 16.4 24.6

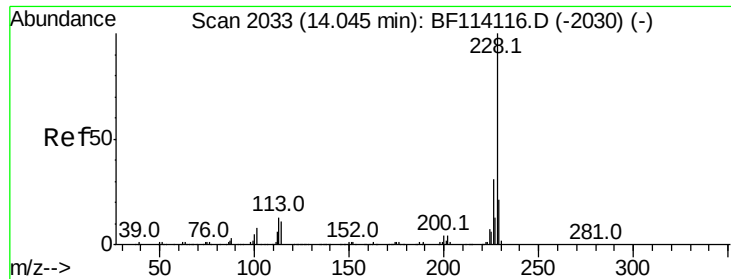


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

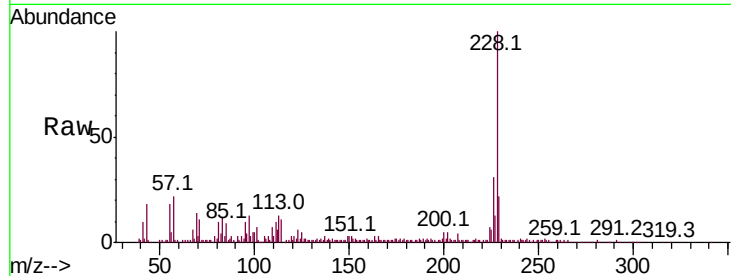




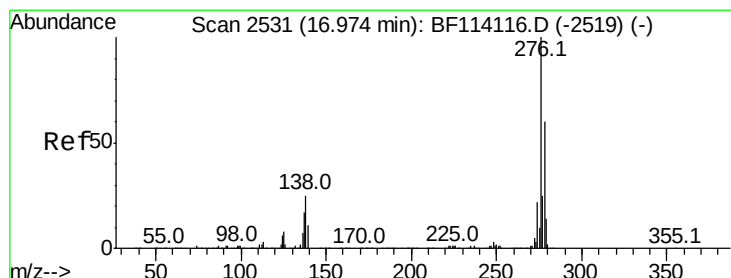
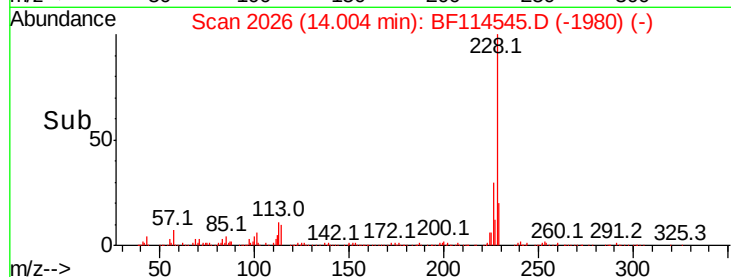
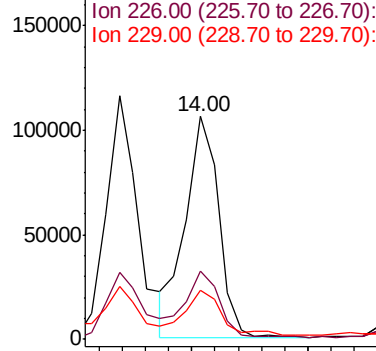
#83
Chrysene
Concen: 3.852 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.03 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Instrument :
BNA_F
ClientSampleId :
EWING-SP

Tot Ion:228	Resp:	106041
Ion	Ratio	Lower Upper
228	100	
226	30.6	25.0 37.6
229	22.2	17.0 25.6

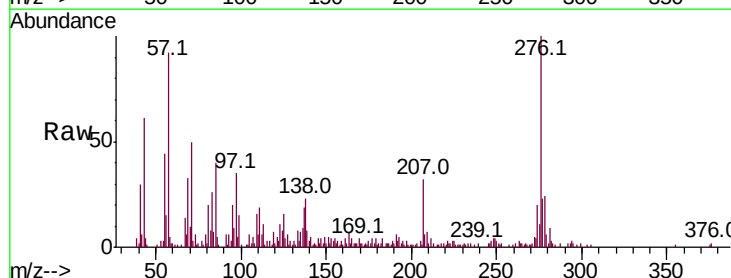


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

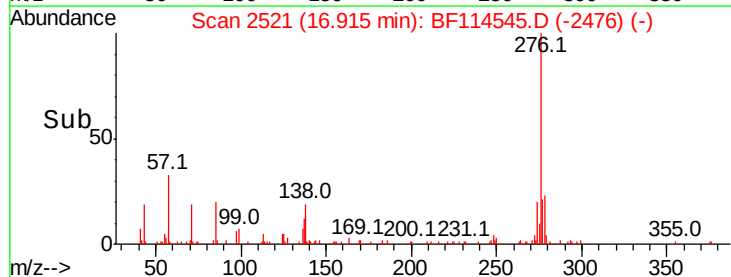
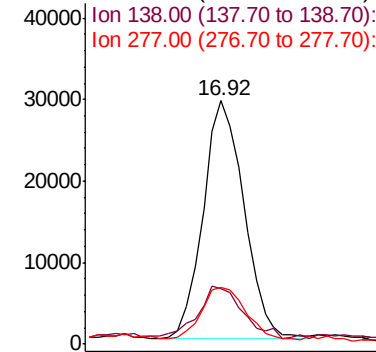


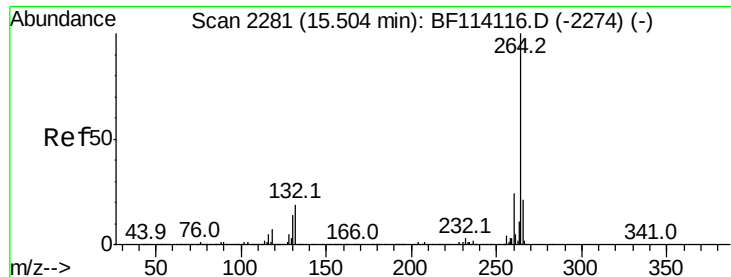
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.304 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.04 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion:276	Resp:	56054
Ion	Ratio	Lower Upper
276	100	
138	23.5	20.2 30.2
277	23.1	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

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

BNA_F

ClientSampleId :

EWING-SP

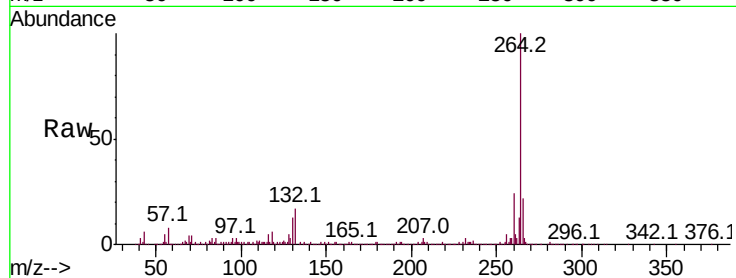
Tot Ion:264 Resp: 445206

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

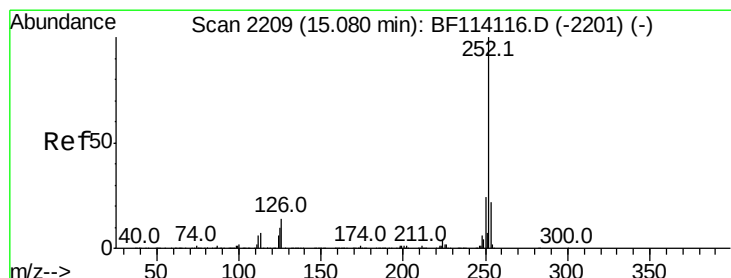
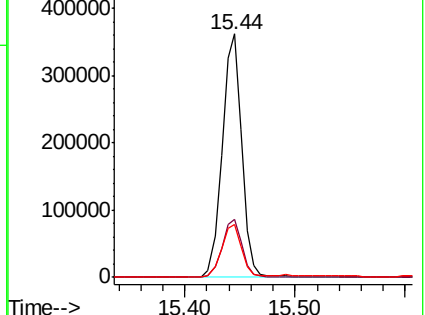
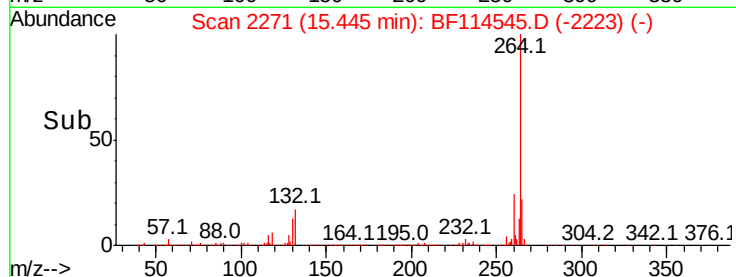
265 21.9 16.9 25.3



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: 5.768 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

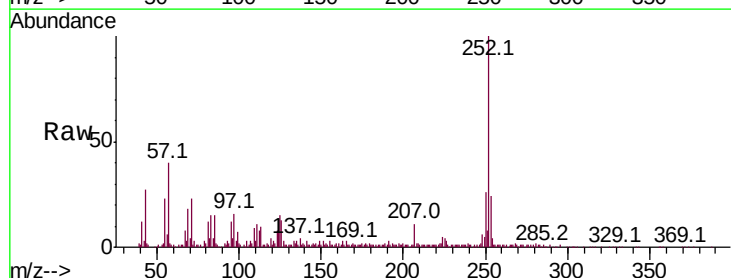
Tgt Ion:252 Resp: 164524

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

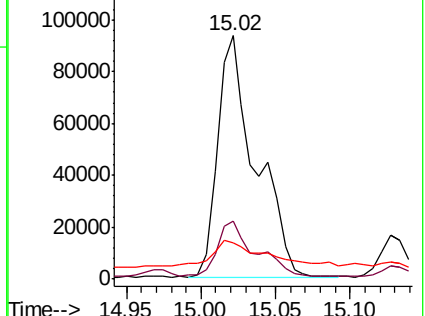
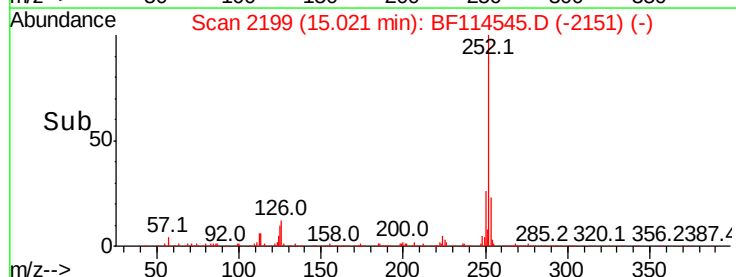
125 15.0 8.3 12.5#

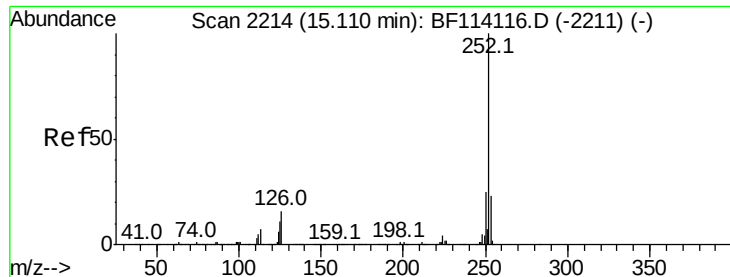


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

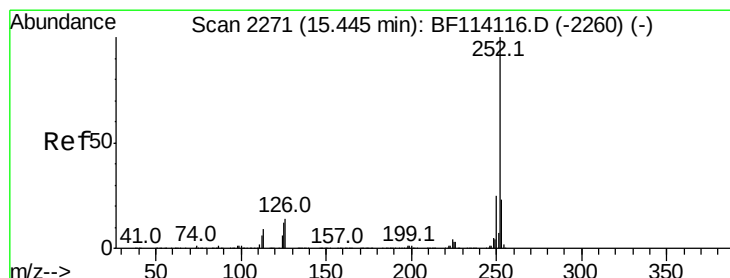
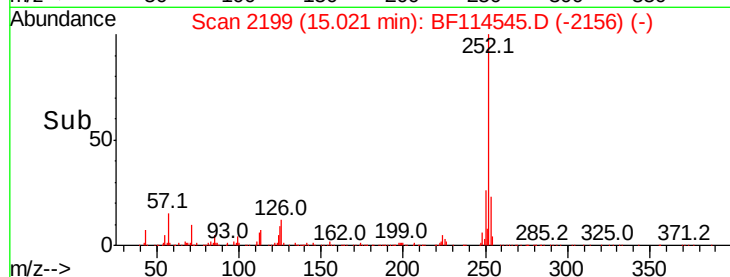
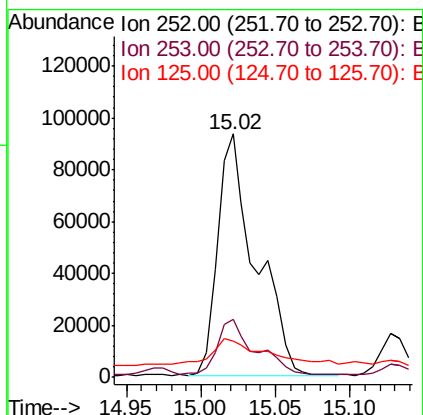
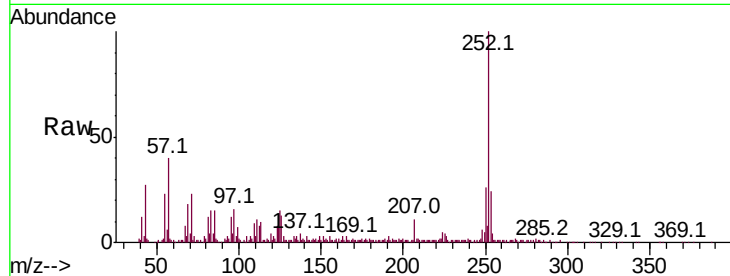




#89
Benzo(k)fluoranthene
Concen: 6.279 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

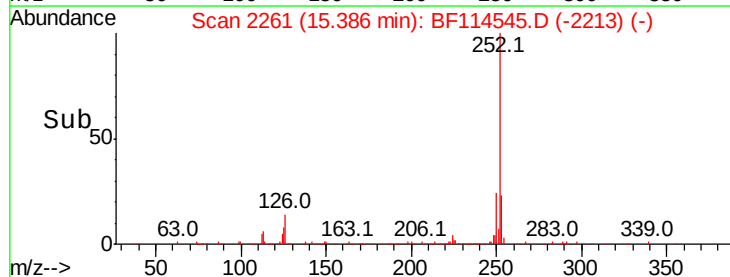
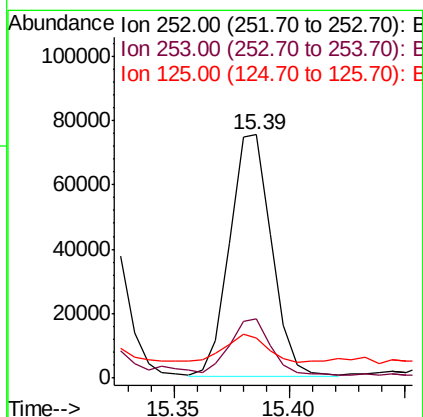
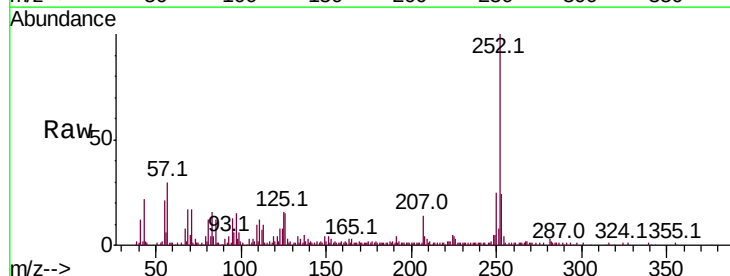
Instrument :
BNA_F
ClientSampleId :
EWING-SP

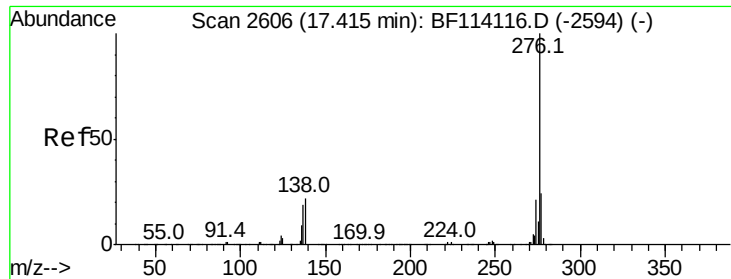
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	15.0	8.6	13.0



#90
Benzo(a)pyrene
Concen: 3.772 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	16.3	9.5	14.3





#92

Benzo(a,h,i)perylene

Concen: 2.543 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.02 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

BNA_F

ClientSampleId :

EWING-SP

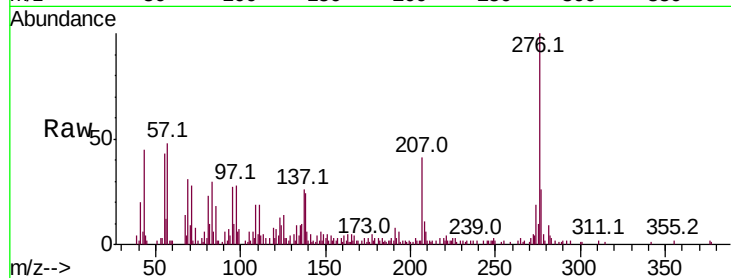
Tot Ion:276 Resp: 53148

Ion Ratio Lower Upper

276 100

277 25.5 19.0 28.4

138 24.0 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

