

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114542.D
 Acq On : 23 May 2019 23:47
 Operator : JU/SJ
 Sample : K2997-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 24 07:21:01 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

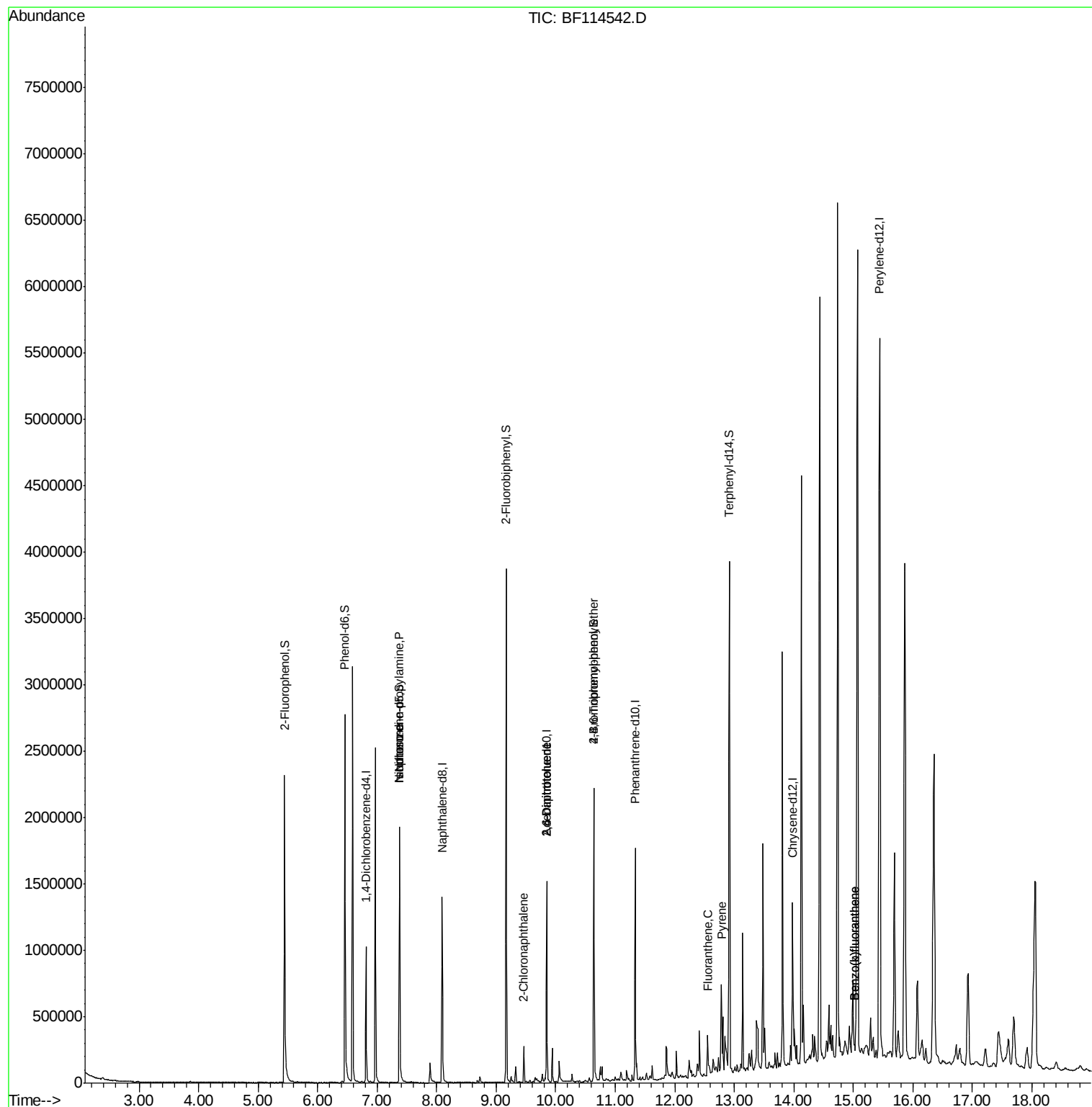
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	154740	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	600573	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	289692	20.00	ng	-0.03
64) Phenanthrene-d10	11.33	188	619566	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	406158	20.00	ng	-0.02
87) Perylene-d12	15.44	264	334410	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	744312	77.41	ng	-0.03
7) Phenol-d6	6.46	99	967406	85.06	ng	-0.03
23) Nitrobenzene-d5	7.37	82	603342	56.38	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	257486	85.97	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1166586	60.91	ng	-0.02
79) Terphenyl-d14	12.92	244	1311912	66.59	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	78462	10.885	ng	# 75
25) Isophorone	7.37	82	603389	30.402	ng	# 64
47) 2-Chloronaphthalene	9.46	162	72148	3.831	ng	# 39
51) 2,6-Dinitrotoluene	9.85	165	37213	7.889	ng	# 23
57) 2,4-Dinitrotoluene	9.85	165	37213	5.813	ng	# 26
67) 4-Bromophenyl-phenylether	10.64	248	17296	2.535	ng	# 1
75) Fluoranthene	12.55	202	88307	2.721	ng	99
78) Pyrene	12.78	202	95186	2.913	ng	98
88) Benzo(b)fluoranthene	15.02	252	57038	2.662	ng	# 92
89) Benzo(k)fluoranthene	15.02	252	57038	2.898	ng	# 93

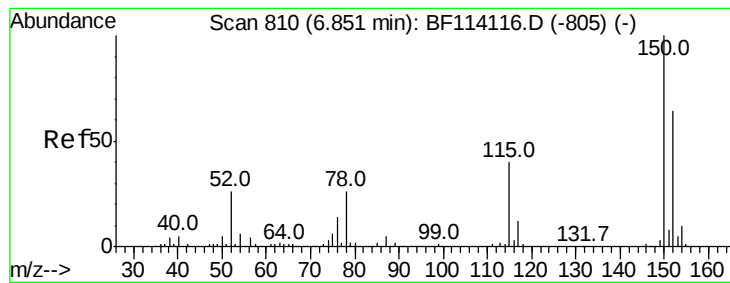
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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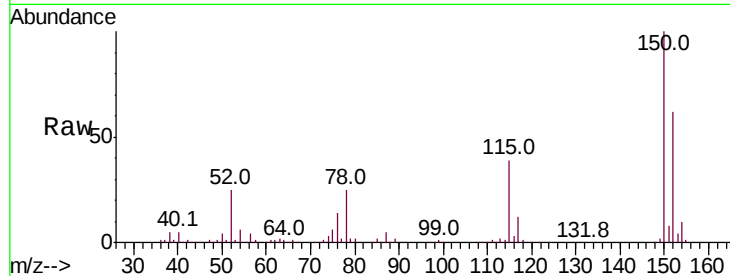


#1

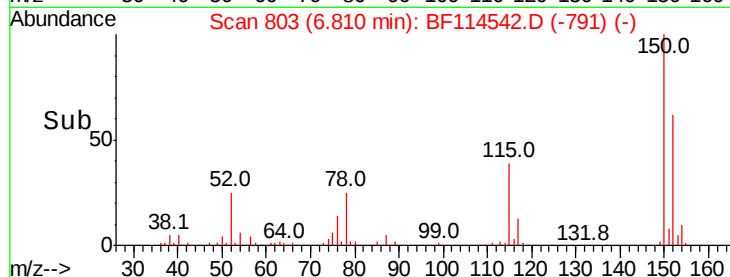
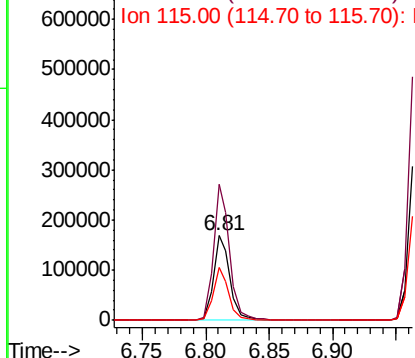
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF114542.D
Acq: 23 May 2019 23:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154740
Ion Ratio Lower Upper
152 100
150 160.8 124.3 186.5
115 61.9 49.1 73.7



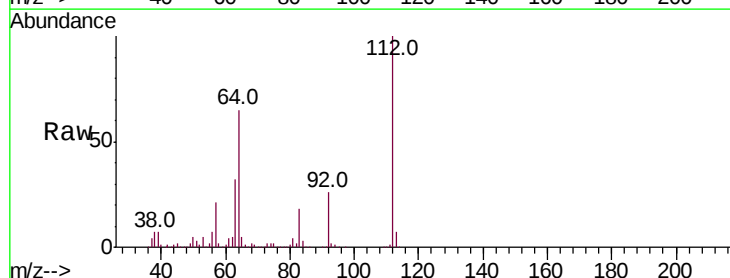
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



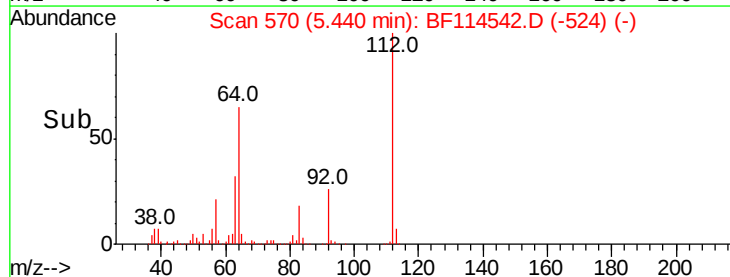
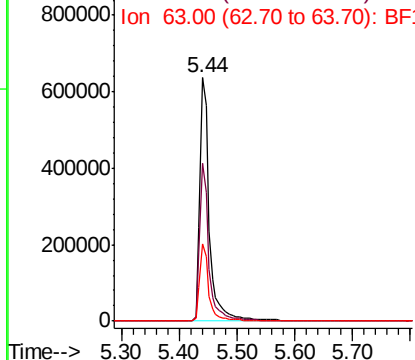
#5

2-Fluorophenol
Concen: 77.407 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF114542.D
Acq: 23 May 2019 23:47

Tgt Ion:112 Resp: 744312
Ion Ratio Lower Upper
112 100
64 64.9 49.0 73.6
63 32.0 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: 85.064 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

Instrument :

BNA_F

ClientSampleId :

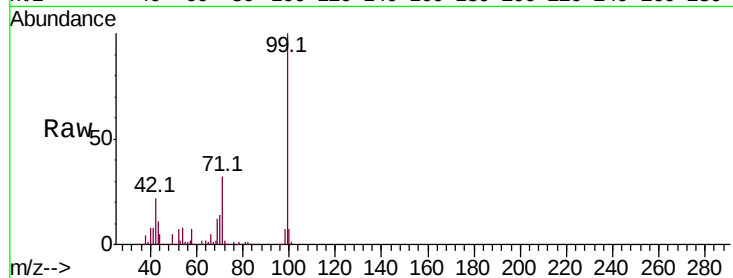
Tot Ion: 99 Resp: 967406

Ion Ratio Lower Upper

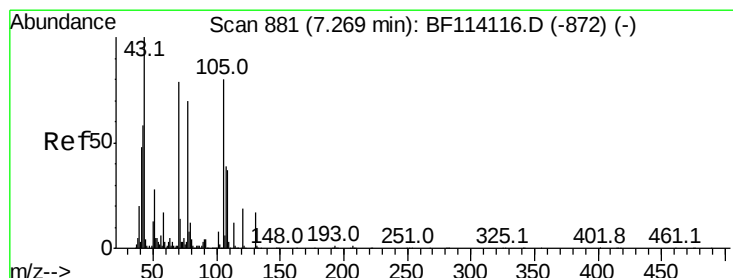
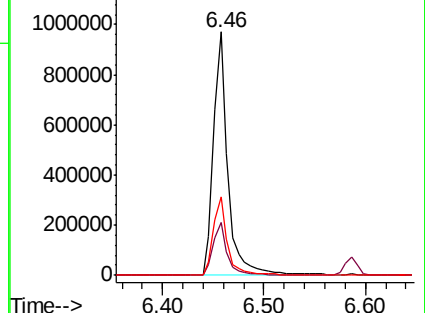
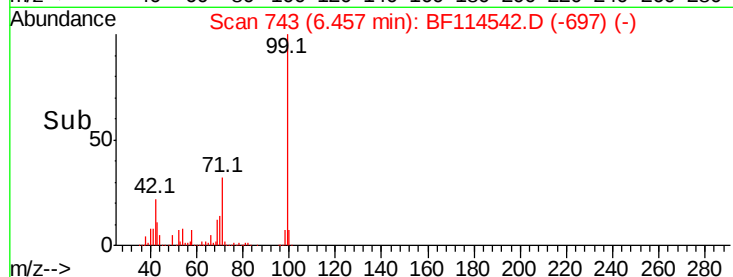
99 100

42 21.5 17.9 26.9

71 32.2 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: 10.885 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.12 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

Tgt Ion: 70 Resp: 78462

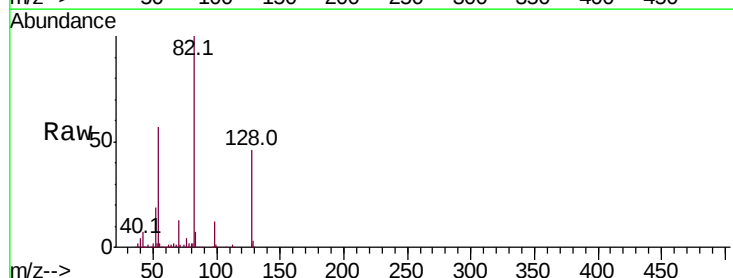
Ion Ratio Lower Upper

70 100

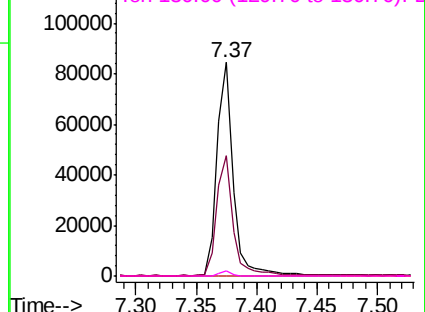
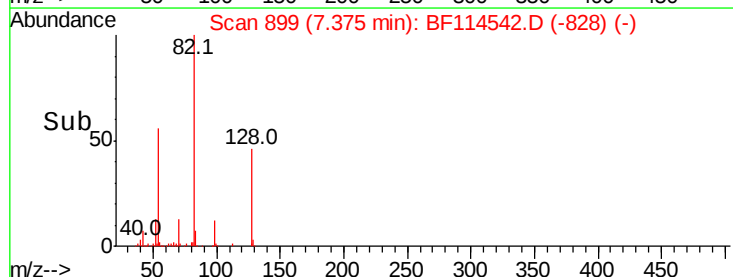
42 56.1 58.6 87.8#

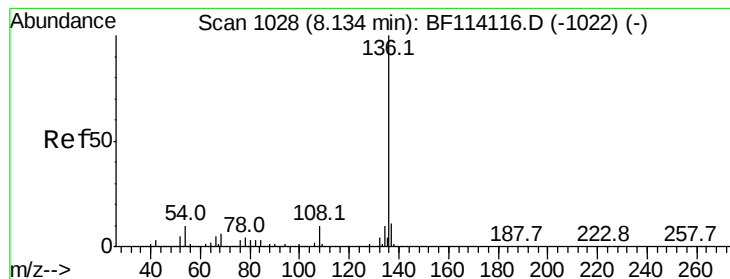
101 0.0 7.8 11.8#

130 2.6 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: BF114542.D

Acq: 23 May 2019 23:47

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 600573

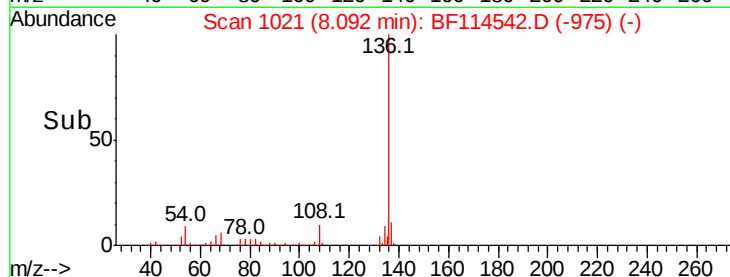
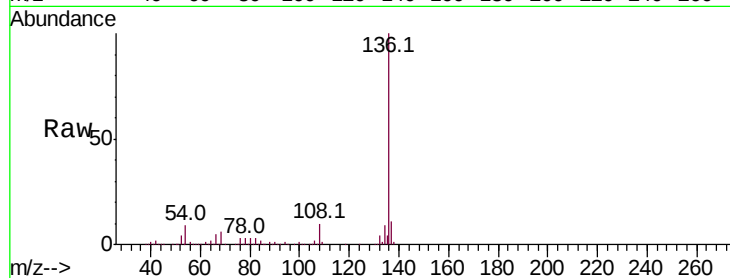
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.8 7.8 11.8

68 5.6 5.1 7.7

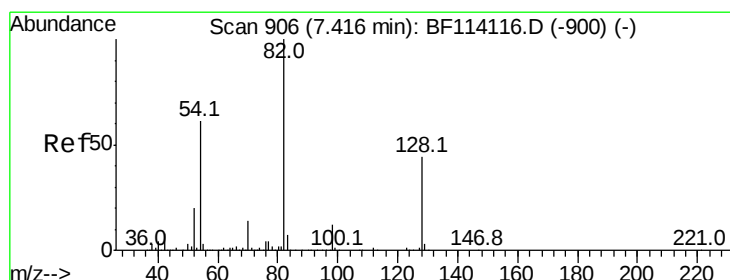
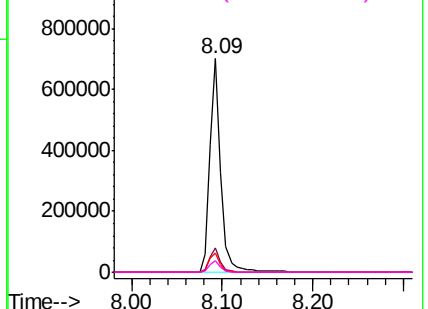


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.379 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.03 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

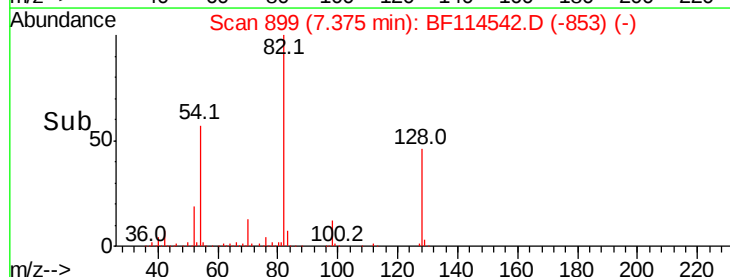
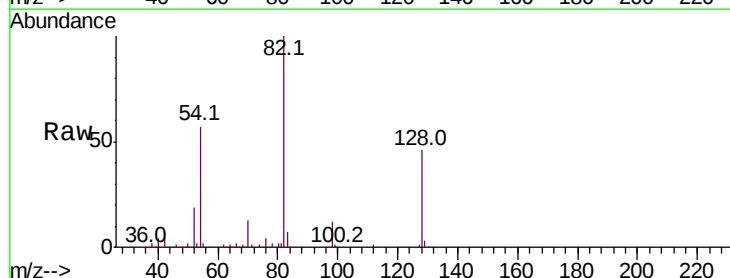
Tgt Ion: 82 Resp: 603342

Ion Ratio Lower Upper

82 100

128 45.8 35.5 53.3

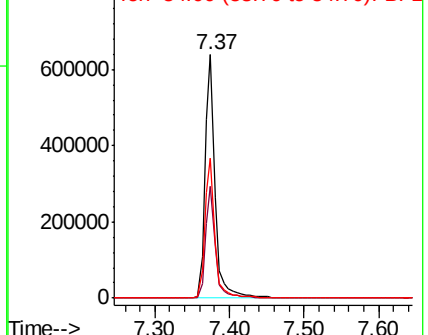
54 57.5 48.5 72.7



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: 30.402 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

Instrument :

BNA_F

ClientSampled :

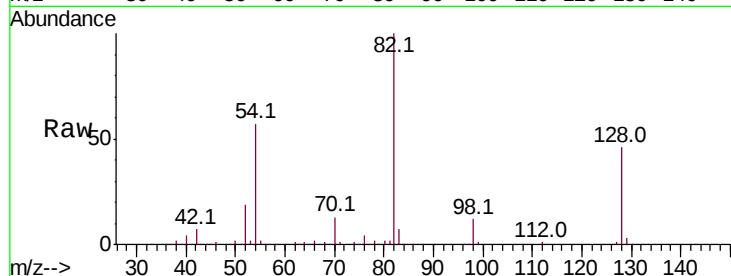
Tot Ion: 82 Resp: 603389

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

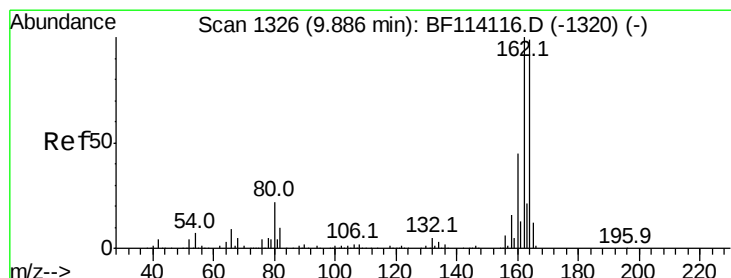
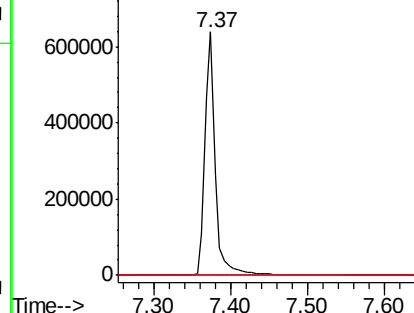
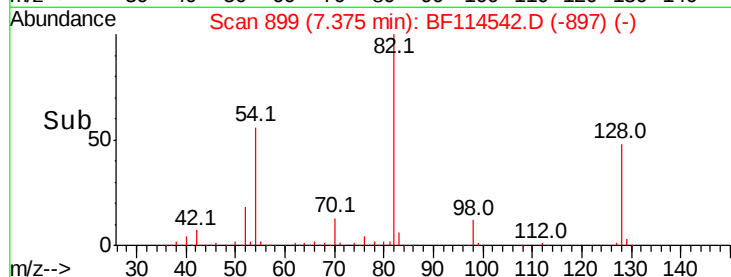
138 0.0 14.8 22.2#



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: BF114542.D

Acq: 23 May 2019 23:47

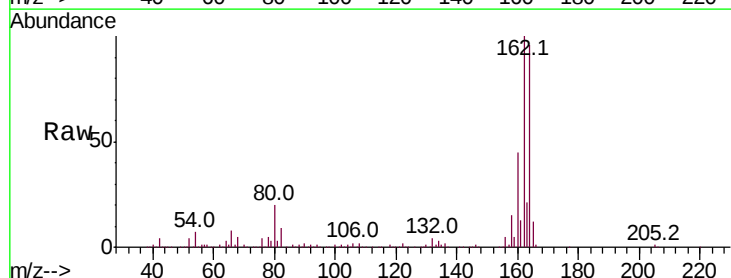
Tgt Ion:164 Resp: 289692

Ion Ratio Lower Upper

164 100

162 103.9 80.6 120.8

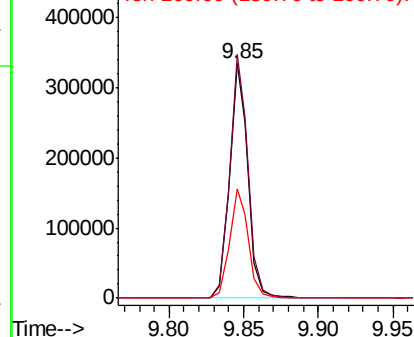
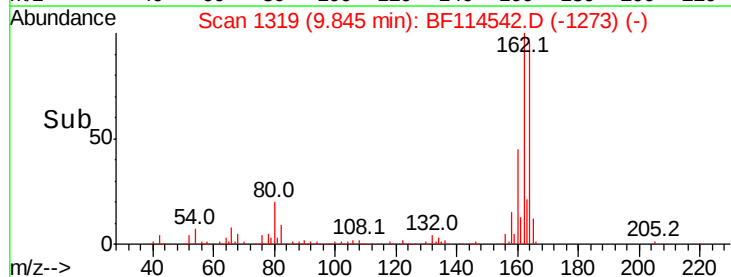
160 46.9 36.5 54.7

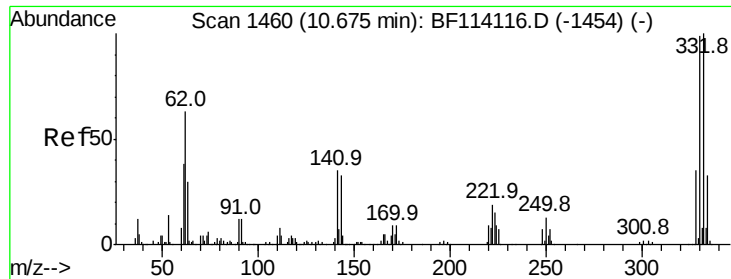


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

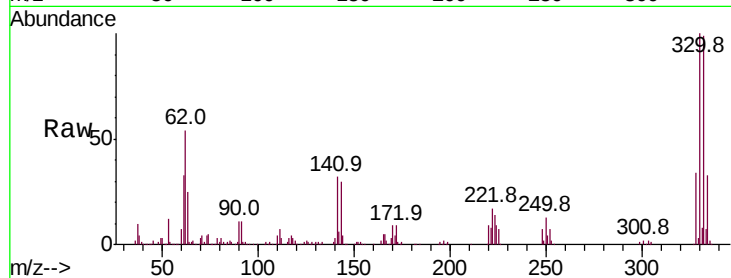




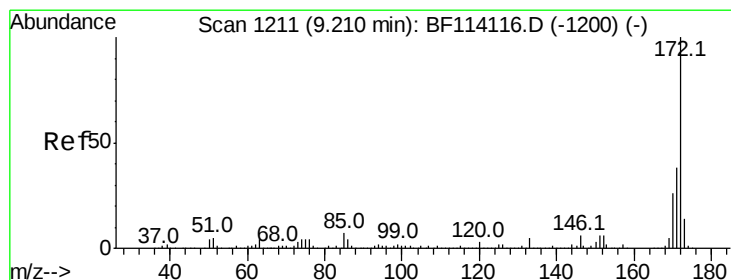
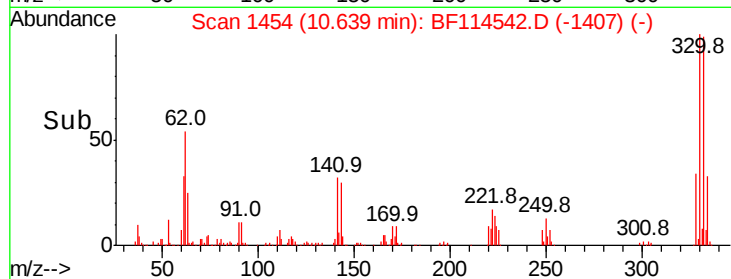
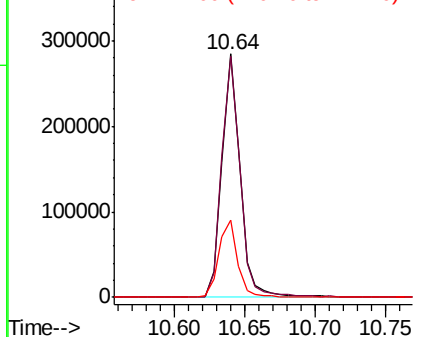
#42
 2,4,6-Tribromophenol
 Concen: 85.974 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF114542.D
 Acq: 23 May 2019 23:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.6	81.4	122.2
141	33.1	26.6	40.0

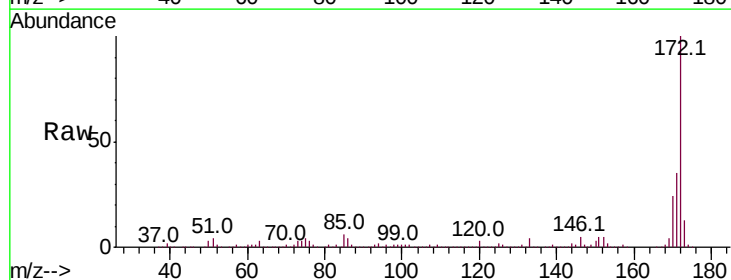


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

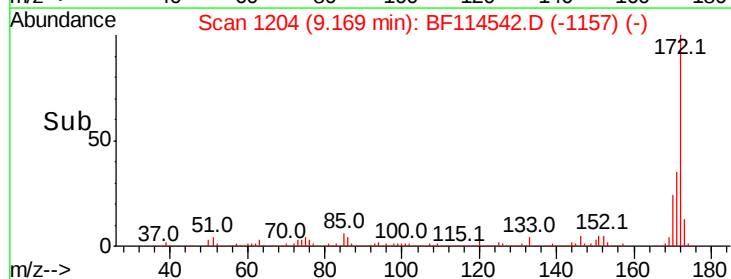
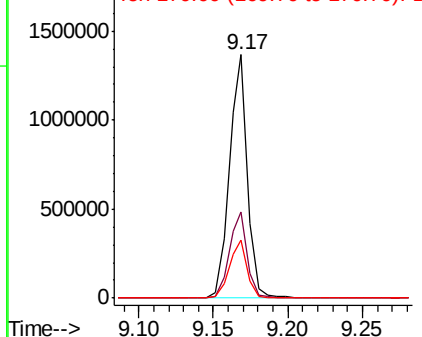


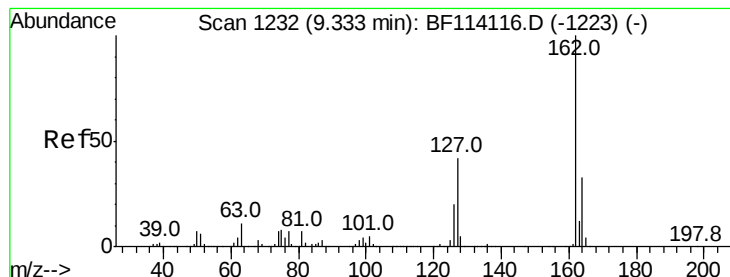
#45
 2-Fluorobiphenyl
 Concen: 60.915 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF114542.D
 Acq: 23 May 2019 23:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	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





#47

2-Chloronaphthalene

Concen: 3.831 ng

RT: 9.46 min Scan# 1254

Delta R.T. 0.14 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

Instrument :

BNA_F

ClientSampled :

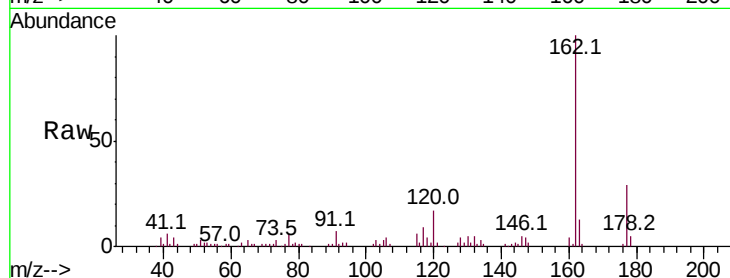
Tot Ion:162 Resp: 72148

Ion Ratio Lower Upper

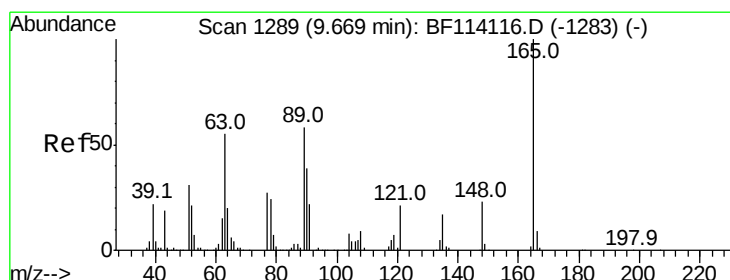
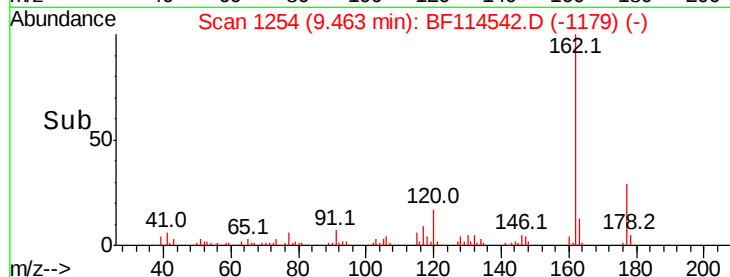
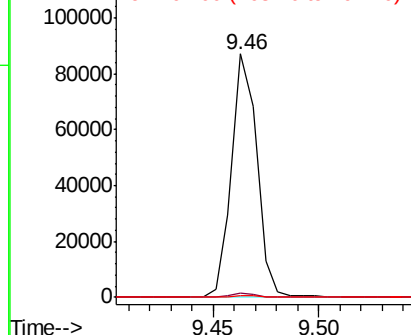
162 100

127 1.7 34.0 51.0#

164 0.9 26.7 40.1#



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.889 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.18 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

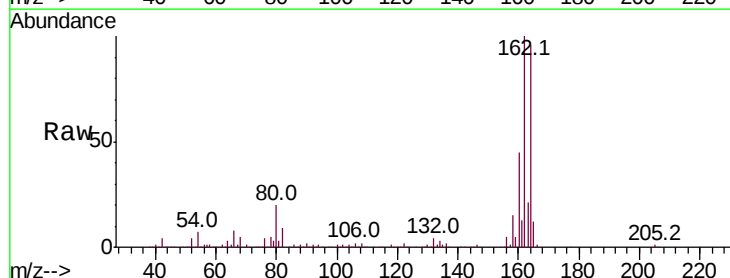
Tgt Ion:165 Resp: 37213

Ion Ratio Lower Upper

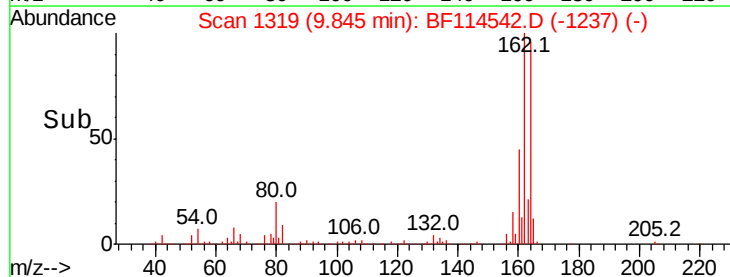
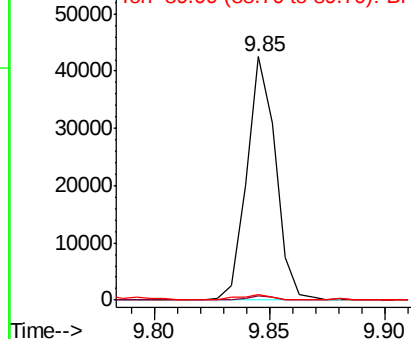
165 100

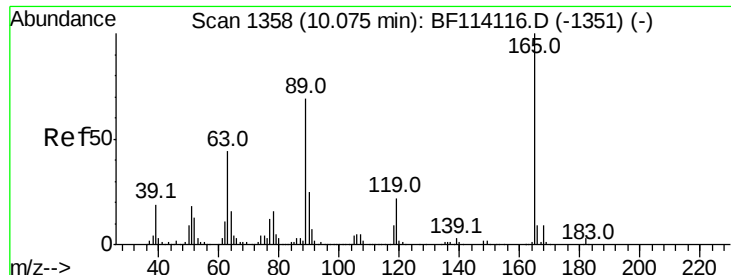
63 1.5 50.2 75.4#

89 2.1 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: 5.813 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.22 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 37213

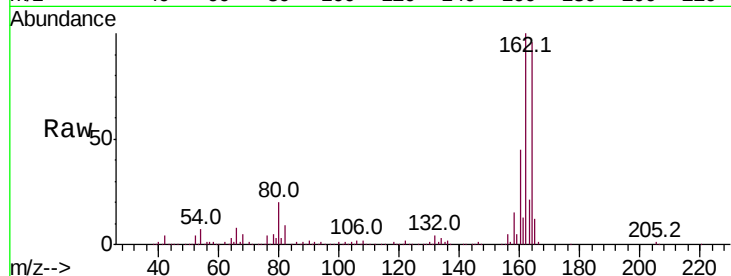
Ion Ratio Lower Upper

165 100

63 1.5 35.5 53.3#

89 2.1 55.2 82.8#

182 0.0 2.2 3.2#

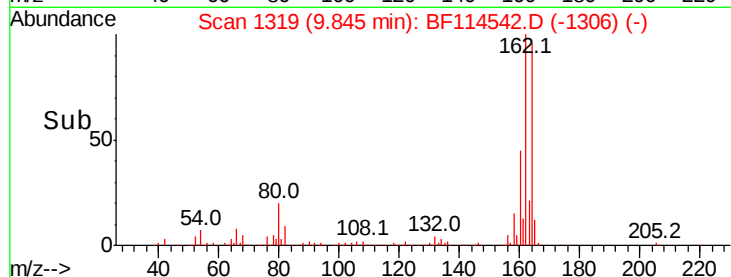


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

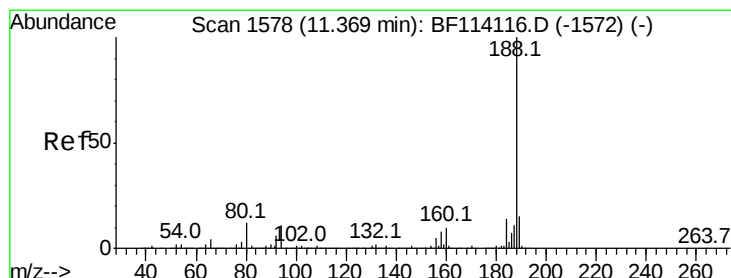
Ion 182.00 (181.70 to 182.70): E



Abundance

Time-->

9.80 9.85 9.90



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

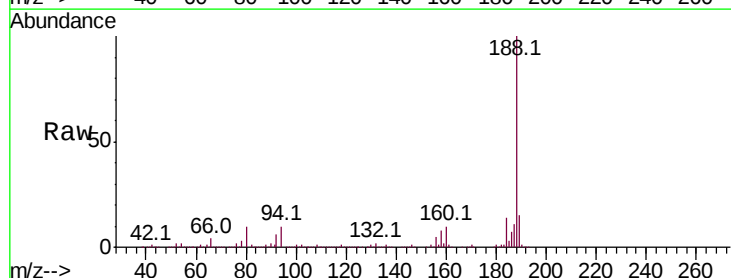
Tgt Ion:188 Resp: 619566

Ion Ratio Lower Upper

188 100

94 10.3 8.4 12.6

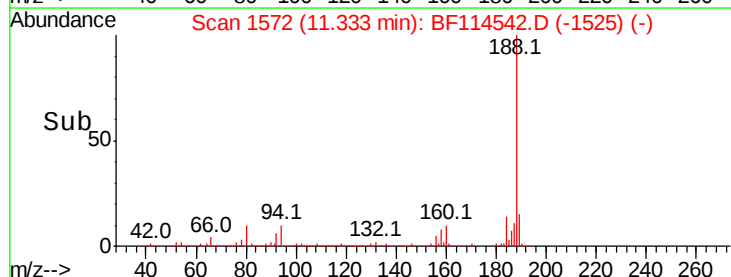
80 10.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

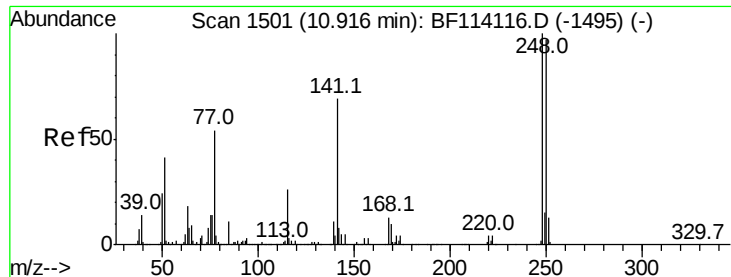
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->

11.30 11.35



#67

4-Bromophenyl-phenylether

Concen: 2.535 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.26 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

Instrument :

BNA_F

ClientSampled :

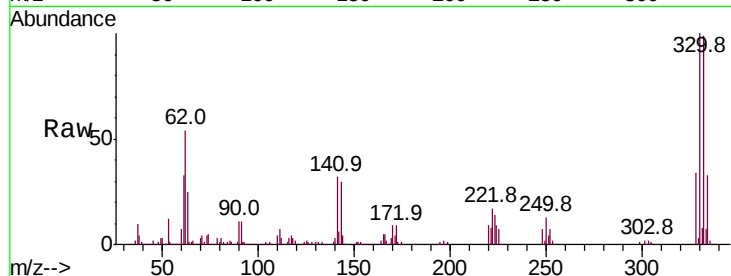
Tot Ion:248 Resp: 17296

Ion Ratio Lower Upper

248 100

250 185.5 77.4 116.2#

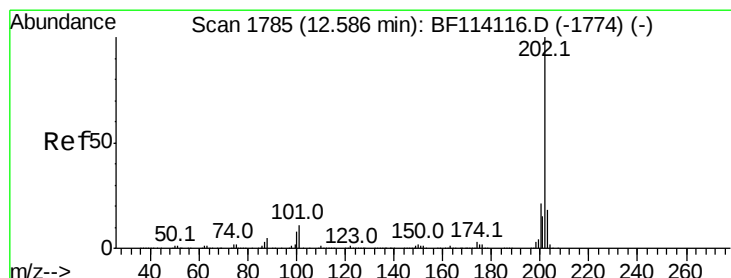
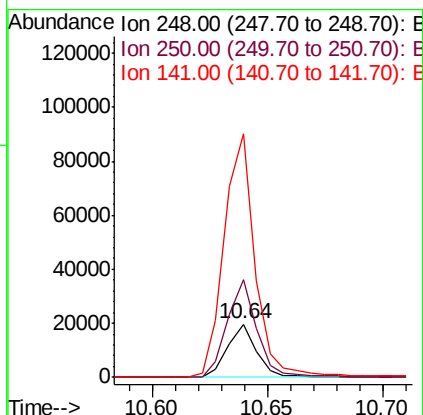
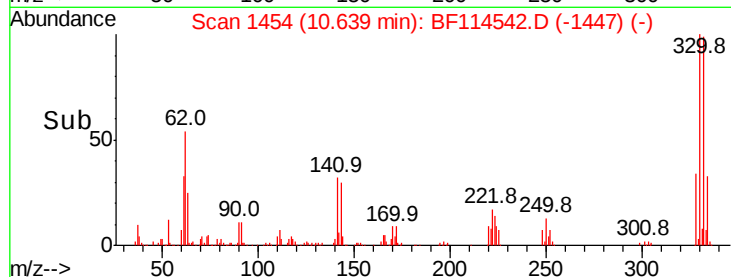
141 459.7 55.6 83.4#



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



#75

Fluoranthene

Concen: 2.721 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.02 min

Lab File: BF114542.D

Acq: 23 May 2019 23:47

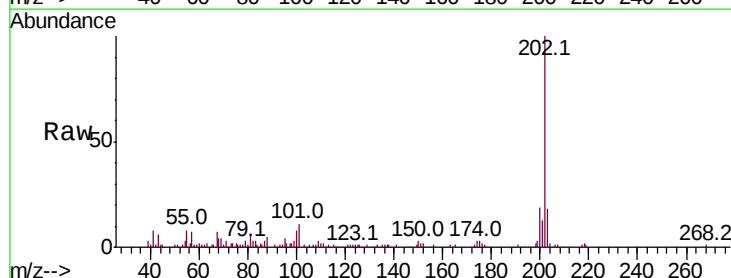
Tgt Ion:202 Resp: 88307

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.0

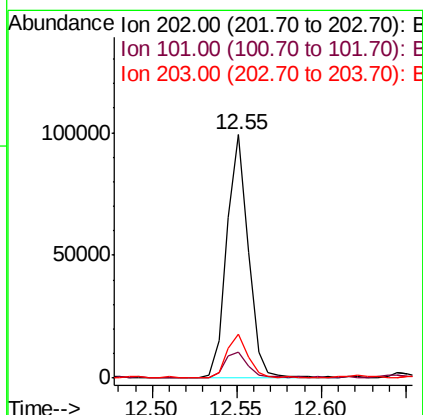
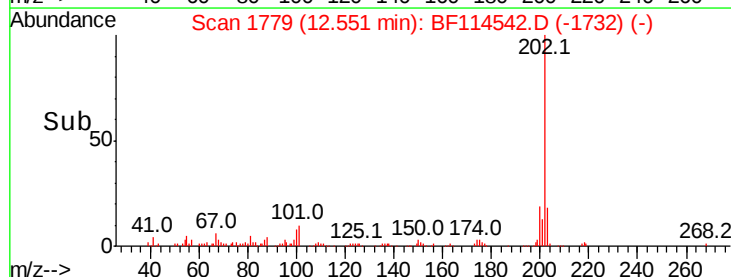
203 18.0 0.0 38.4

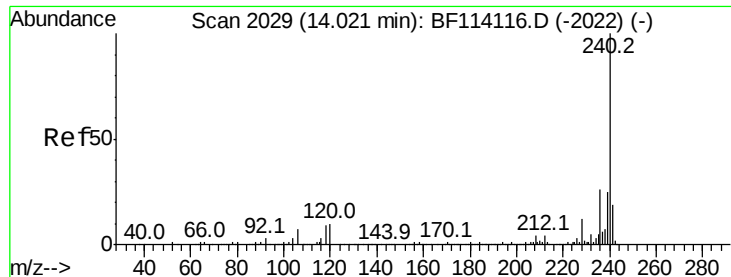


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

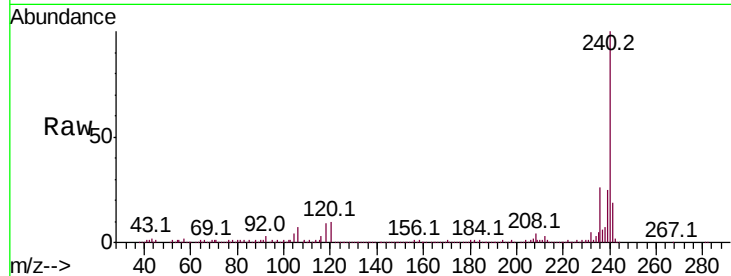




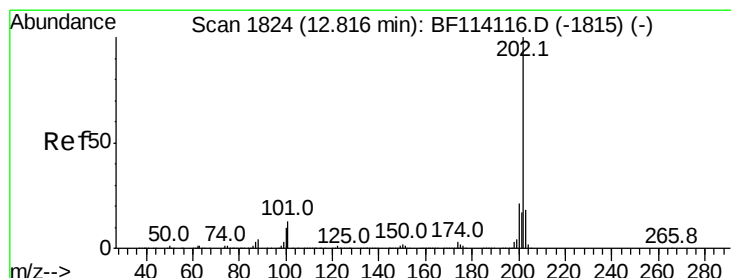
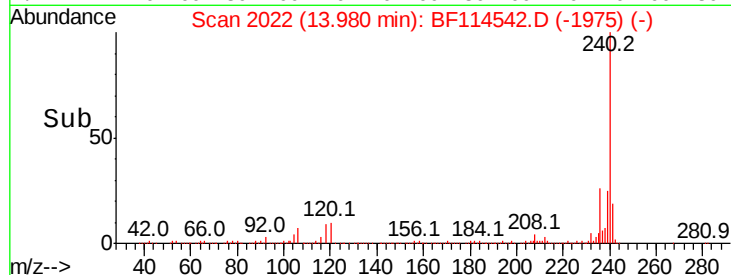
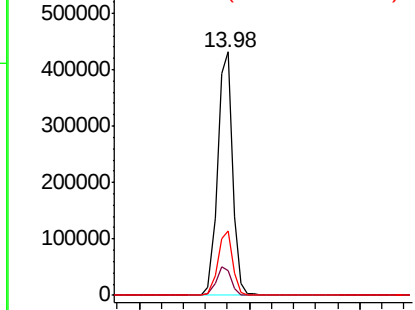
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF114542.D
Acq: 23 May 2019 23:47

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.3	12.5
236	26.2	20.8	31.2

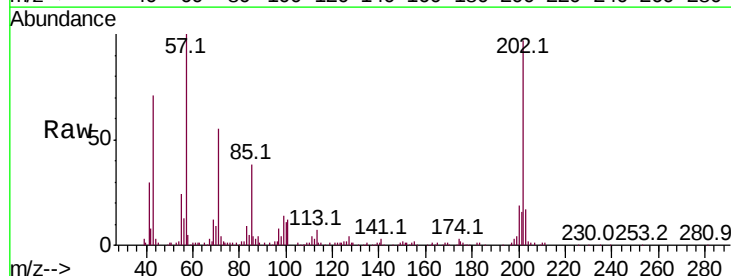


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

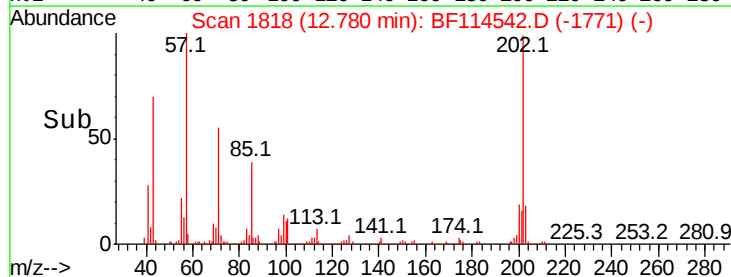
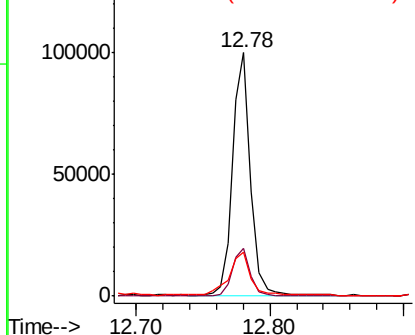


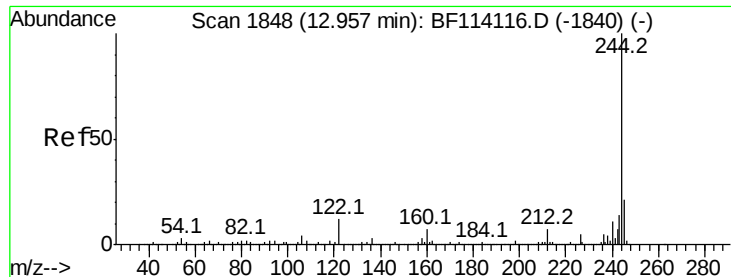
#78
Pyrene
Concen: 2.913 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF114542.D
Acq: 23 May 2019 23:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.9	25.3
203	17.9	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



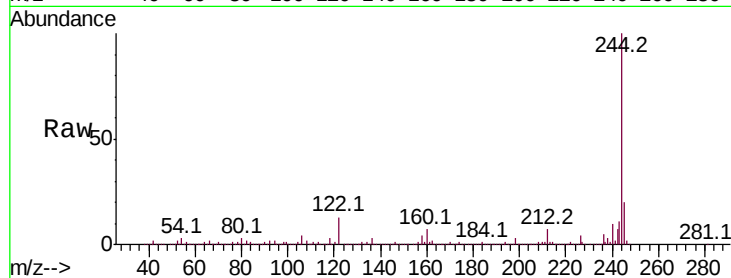


#79
 Terphenyl-d14
 Concen: 66.585 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: BF114542.D
 Acq: 23 May 2019 23:47

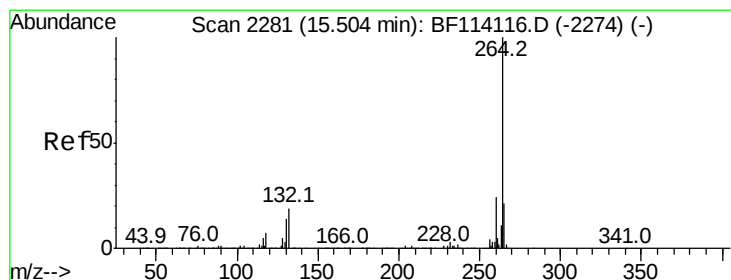
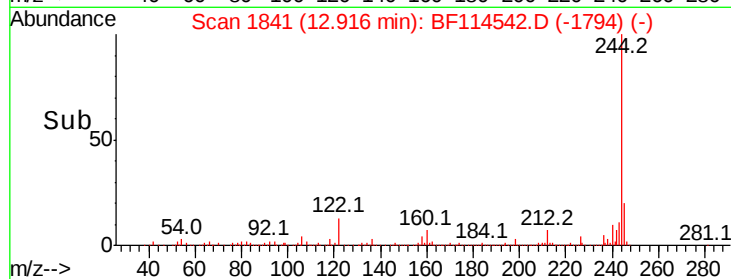
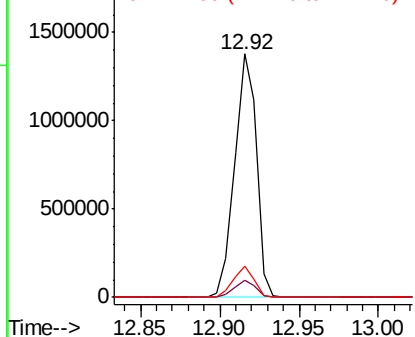
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1311912

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	12.9	9.4	14.2



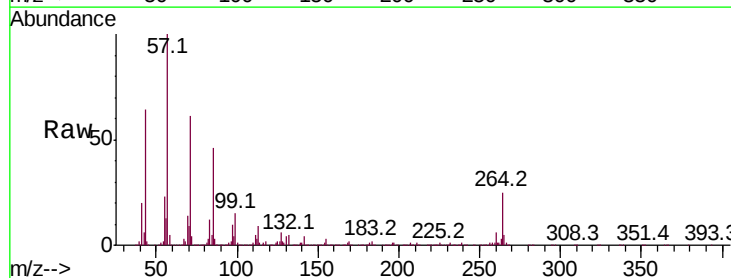
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



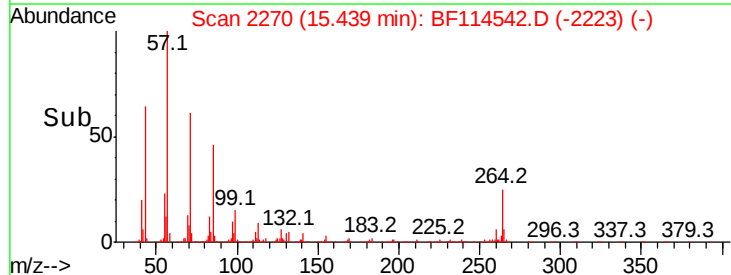
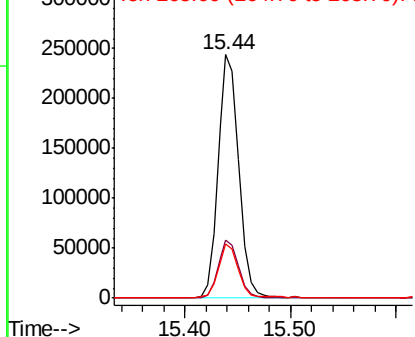
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.02 min
 Lab File: BF114542.D
 Acq: 23 May 2019 23:47

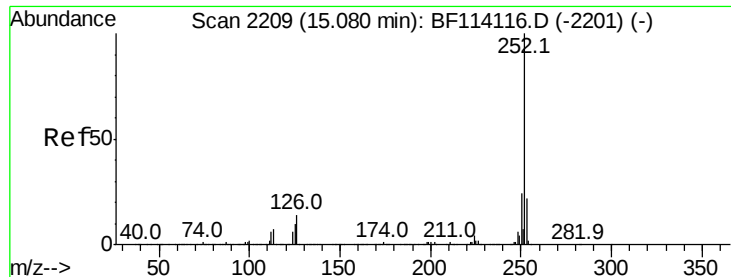
Tgt Ion:264 Resp: 334410

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	22.4	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

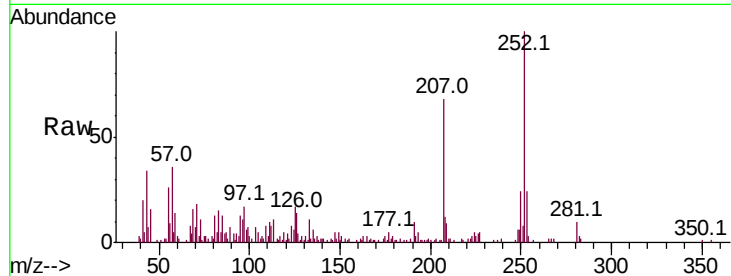




#88
Benzo(b)fluoranthene
Concen: 2.662 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF114542.D
Acq: 23 May 2019 23:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	17.0	8.3	12.5

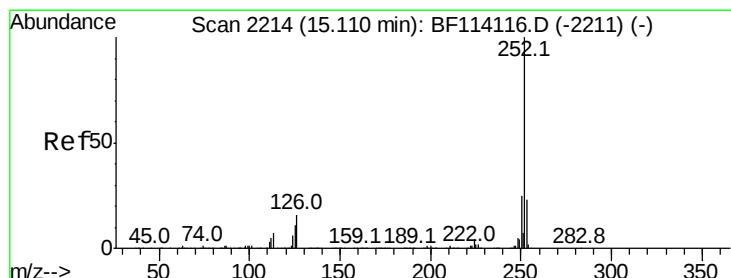
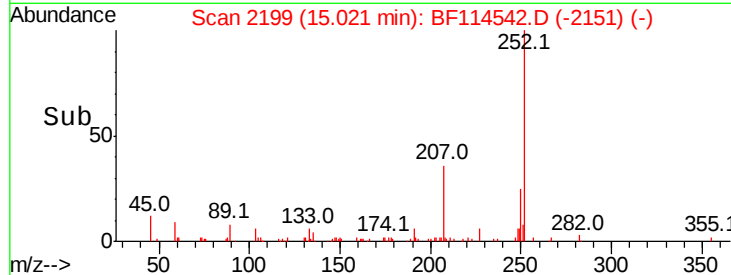
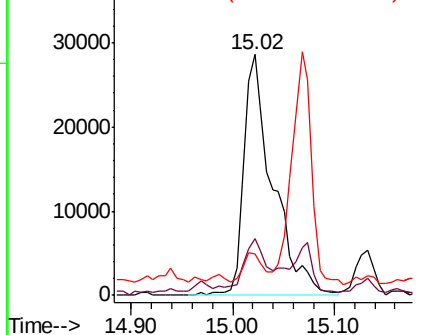


Abundance

Ion 252.00 (251.70 to 252.70): E

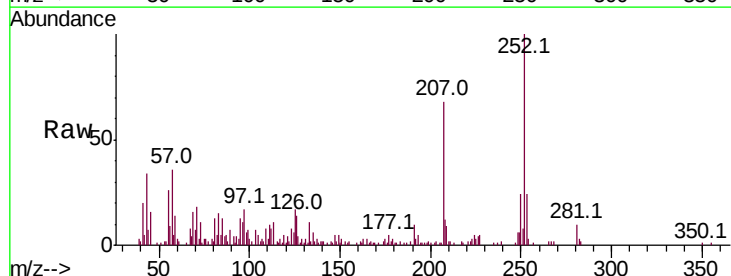
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.898 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF114542.D
Acq: 23 May 2019 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	17.0	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

