

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051819\
 Data File : BF114406.D
 Acq On : 18 May 2019 23:14
 Operator : JU/SJ
 Sample : K2869-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 04:12:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

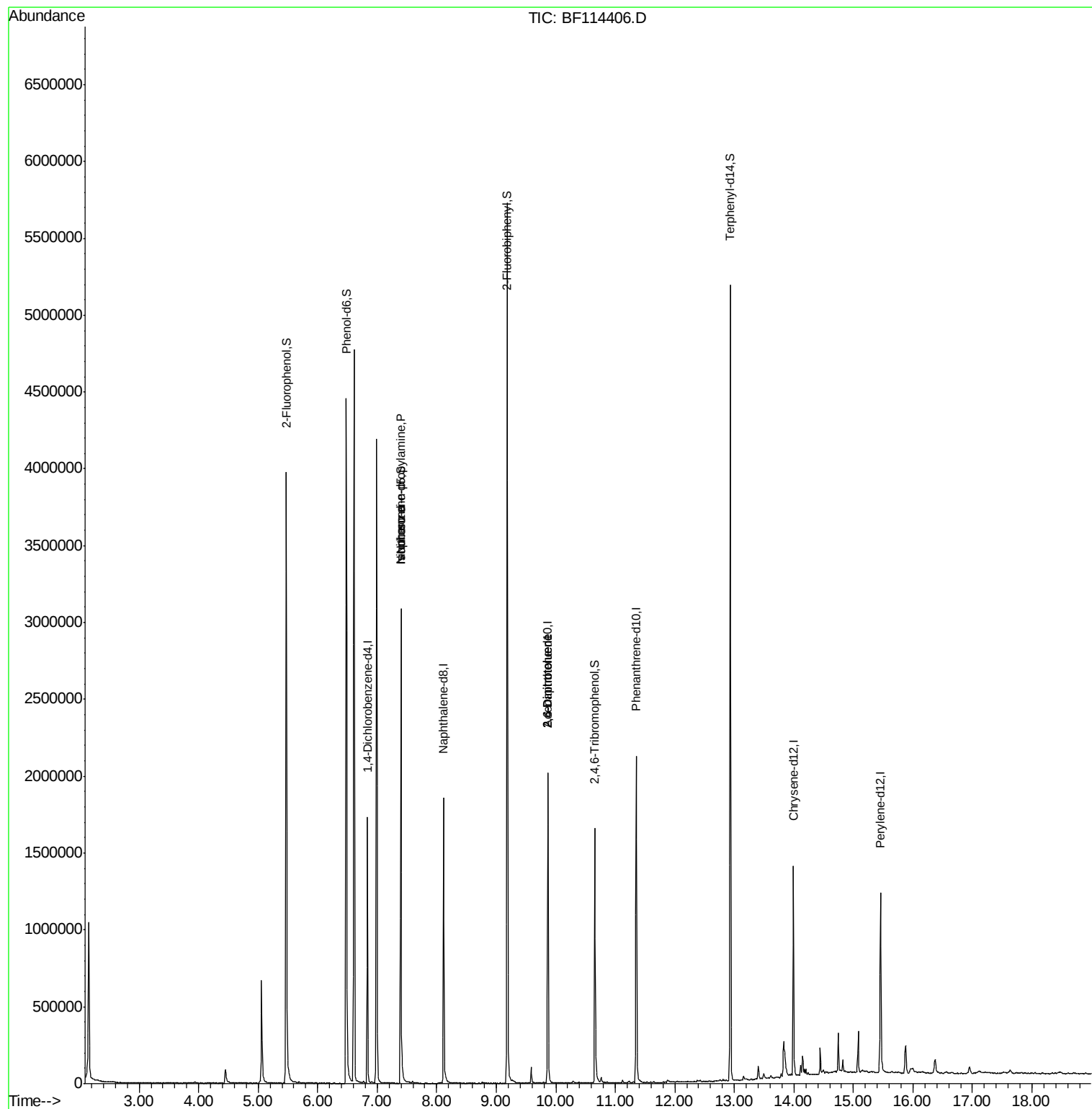
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	240571	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	932505	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	437971	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	860135	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	476345	20.00	ng	-0.03
87) Perylene-d12	15.46	264	508687	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1152147	77.07	ng	0.00
7) Phenol-d6	6.48	99	1671328	94.53	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1072535	64.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	218692	48.30	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1893599	65.40	ng	-0.02
79) Terphenyl-d14	12.93	244	1786884	77.33	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	140042	12.496	ng	# 75
25) Isophorone	7.40	82	1072529	34.804	ng	# 64
51) 2,6-Dinitrotoluene	9.87	165	55095	7.726	ng	# 22
57) 2,4-Dinitrotoluene	9.87	165	55096	5.692	ng	# 25

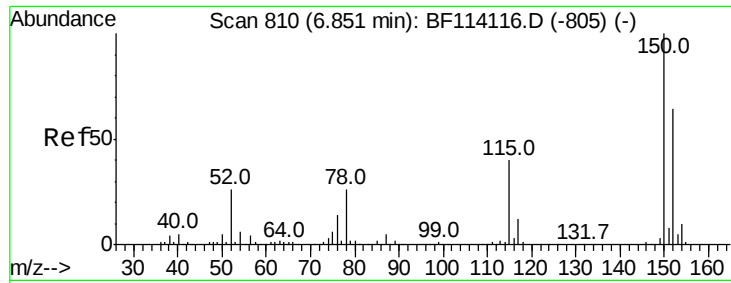
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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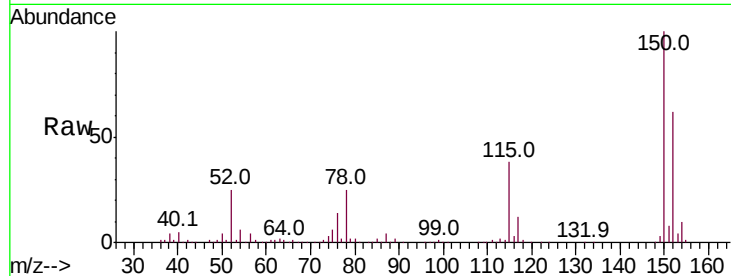


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114406.D
Acq: 18 May 2019 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.3	186.5
115	61.5	49.1	73.7

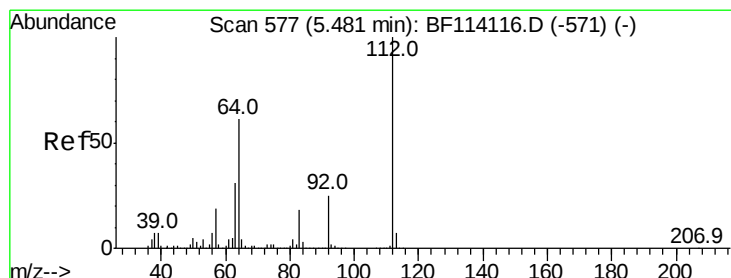
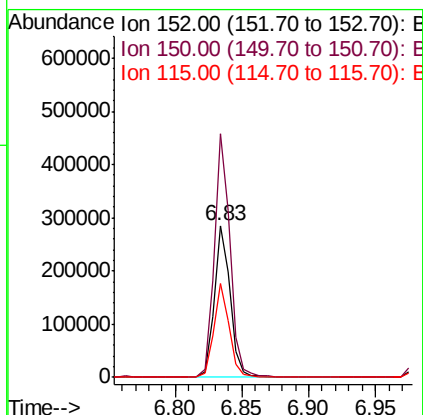
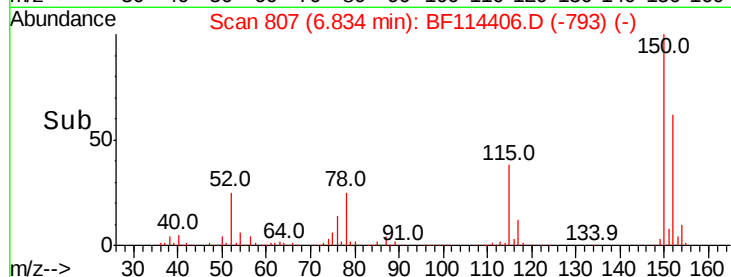


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

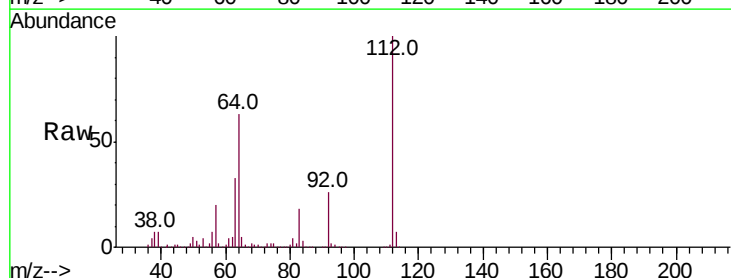
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 77.071 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114406.D
Acq: 18 May 2019 23:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	49.0	73.6
63	32.7	24.6	37.0

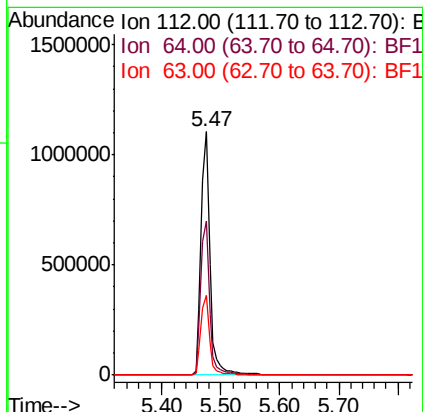
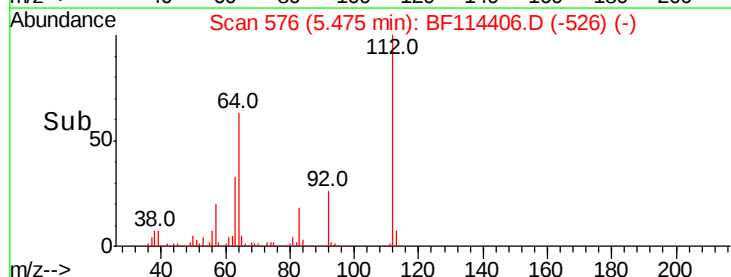


Abundance

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: 94.528 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114406.D

Acq: 18 May 2019 23:14

Instrument :

BNA_F

ClientSampleId :

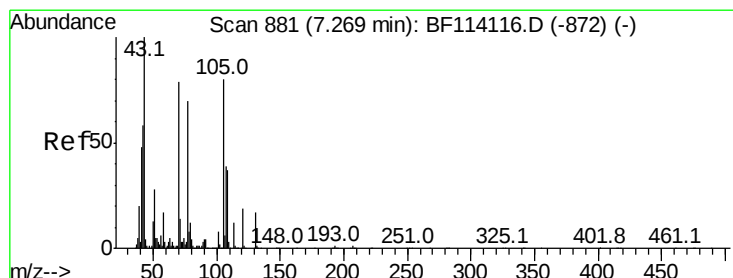
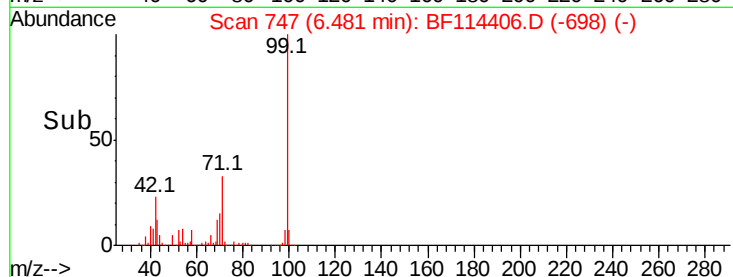
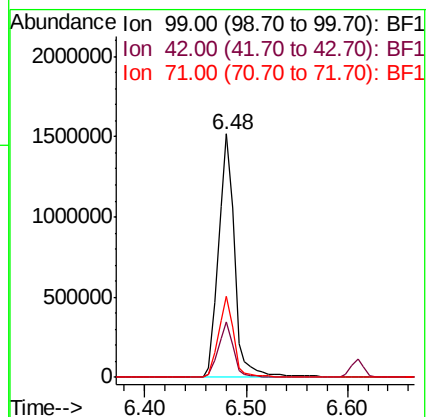
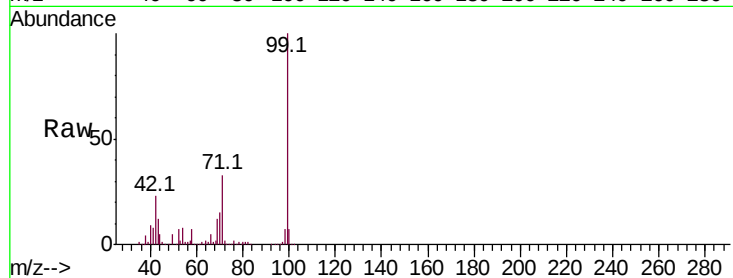
Tot Ion: 99 Resp: 1671328

Ion Ratio Lower Upper

99 100

42 22.7 17.9 26.9

71 33.2 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.496 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF114406.D

Acq: 18 May 2019 23:14

Tgt Ion: 70 Resp: 140042

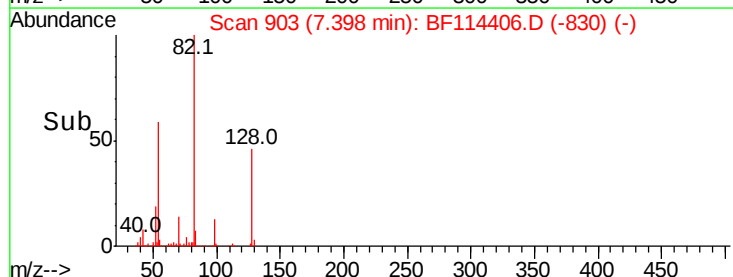
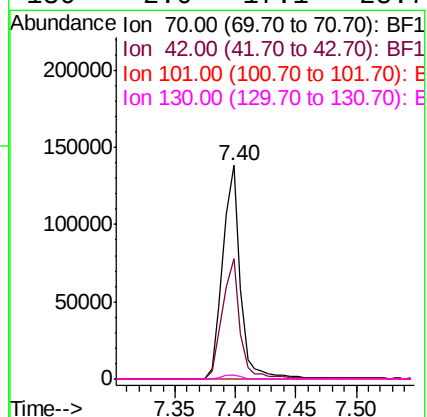
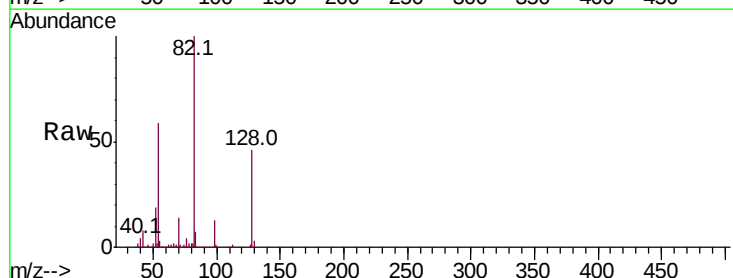
Ion Ratio Lower Upper

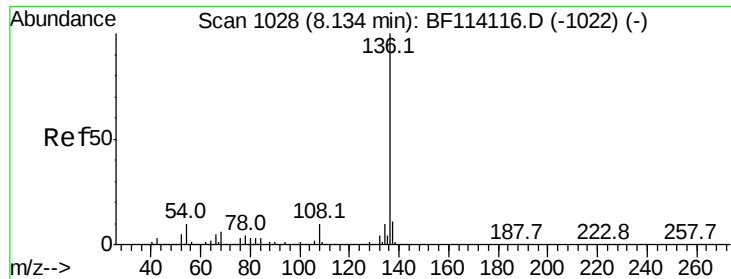
70 100

42 56.5 58.6 87.8#

101 0.0 7.8 11.8#

130 2.0 17.1 25.7#

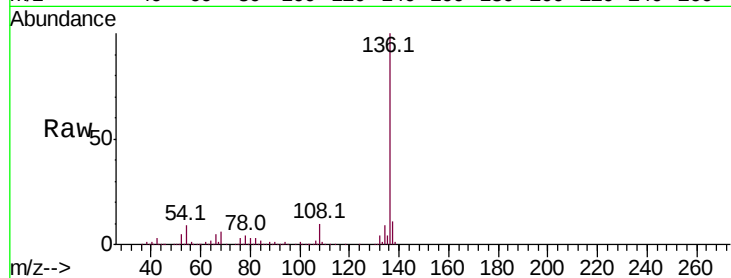




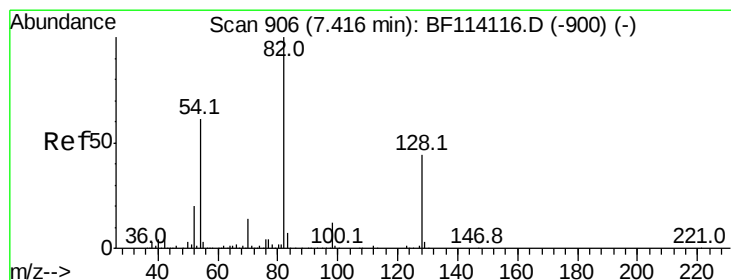
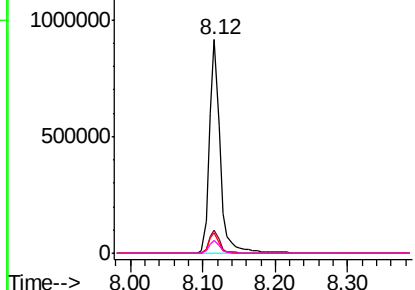
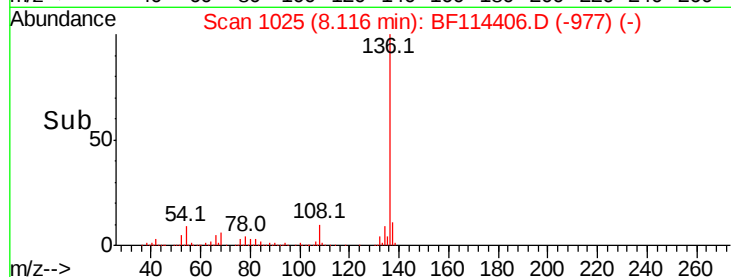
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BF114406.D
Acq: 18 May 2019 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	932505
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	9.4	7.8 11.8
68	6.2	5.1 7.7

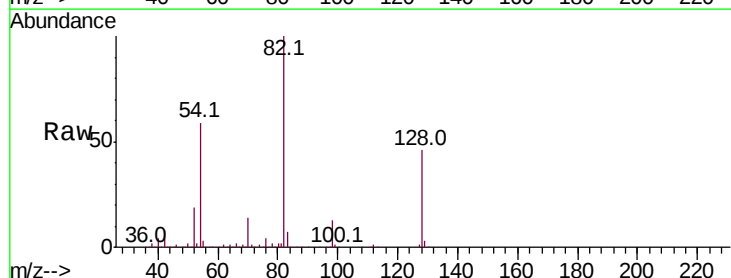


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

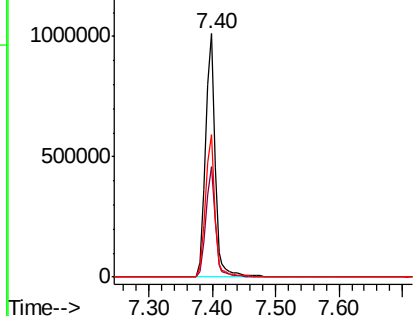
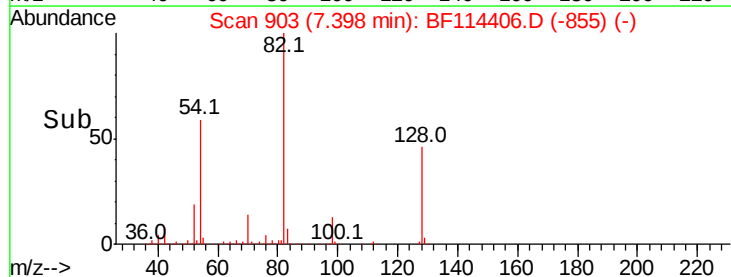


#23
Nitrobenzene-d5
Concen: 64.547 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF114406.D
Acq: 18 May 2019 23:14

Tgt Ion: 82	Resp:	1072535
Ion Ratio	Lower	Upper
82	100	
128	45.6	35.5 53.3
54	58.7	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: 34.804 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF114406.D

Acq: 18 May 2019 23:14

Instrument :

BNA_F

ClientSampled :

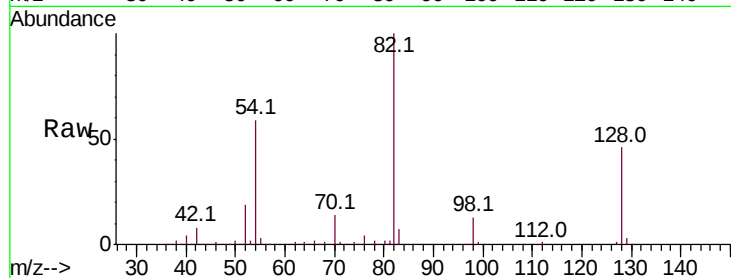
Tot Ion: 82 Resp: 1072529

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

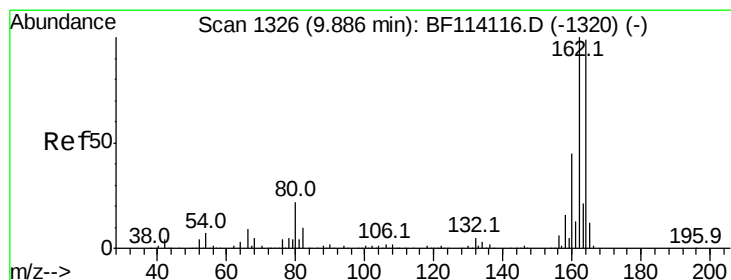
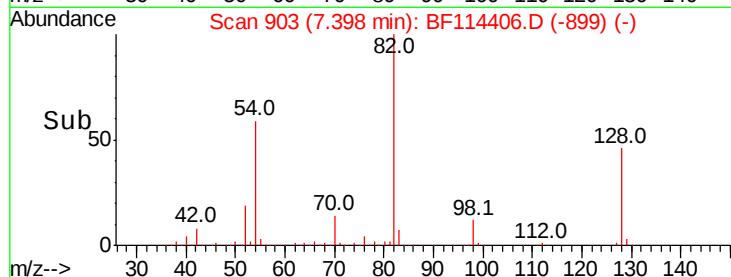
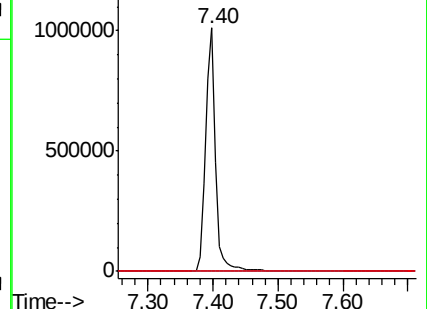
138 0.0 14.8 22.2#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF114406.D

Acq: 18 May 2019 23:14

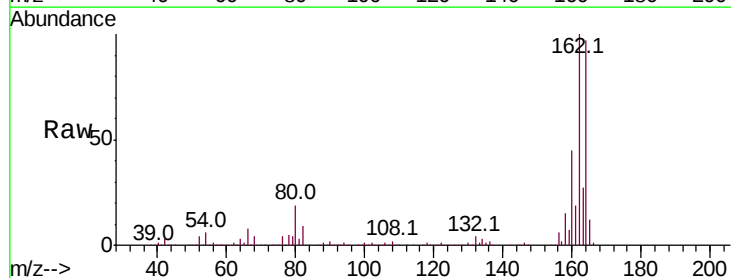
Tgt Ion:164 Resp: 437971

Ion Ratio Lower Upper

164 100

162 103.5 80.6 120.8

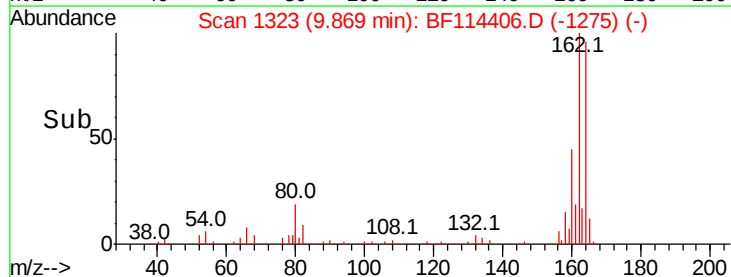
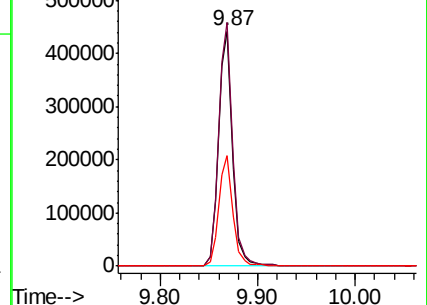
160 46.9 36.5 54.7



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

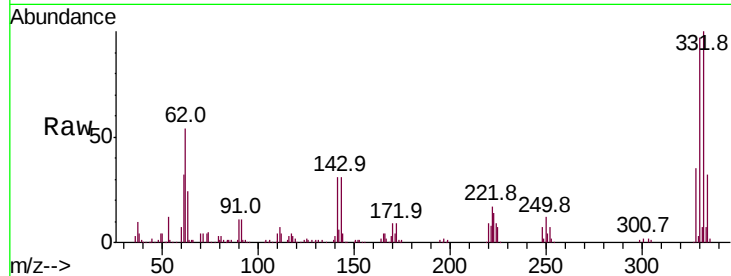




#42
 2,4,6-Tribromophenol
 Concen: 48.299 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF114406.D
 Acq: 18 May 2019 23:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.0	81.4	122.2
141	33.8	26.6	40.0

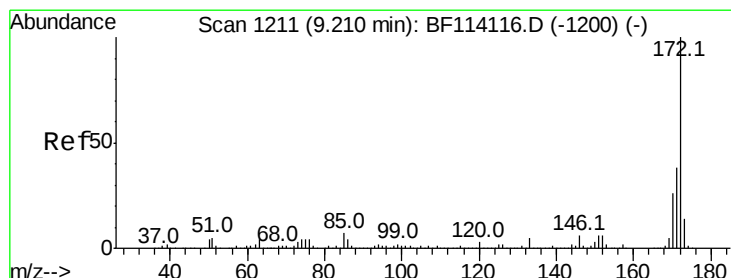
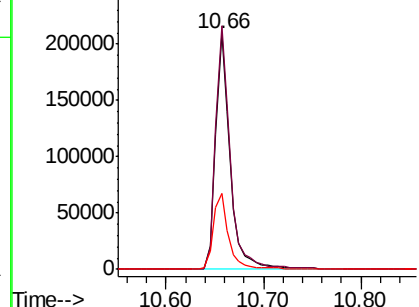
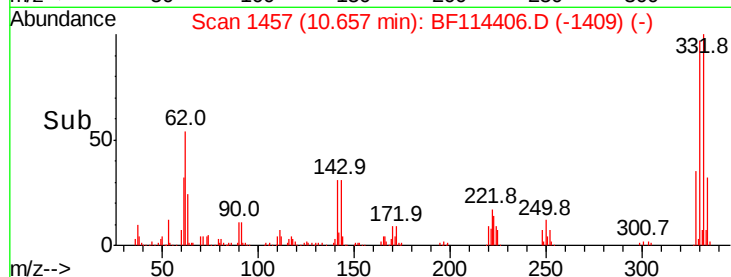


Abundance

Ion 329.80 (329.50 to 330.50): E

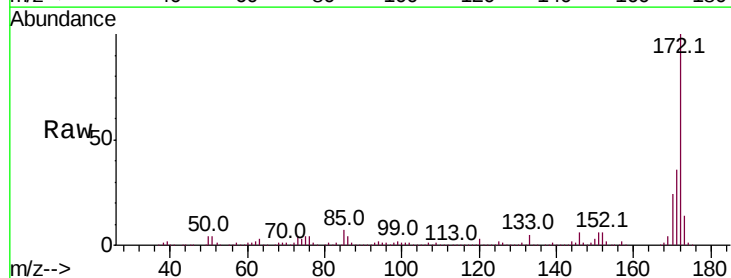
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 65.401 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114406.D
 Acq: 18 May 2019 23:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.7	46.1
170	23.7	20.5	30.7

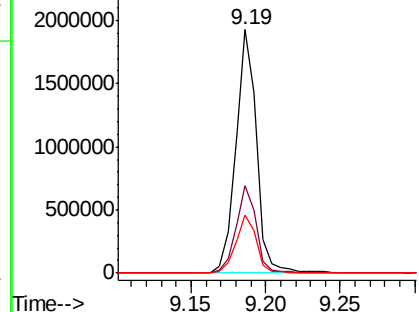
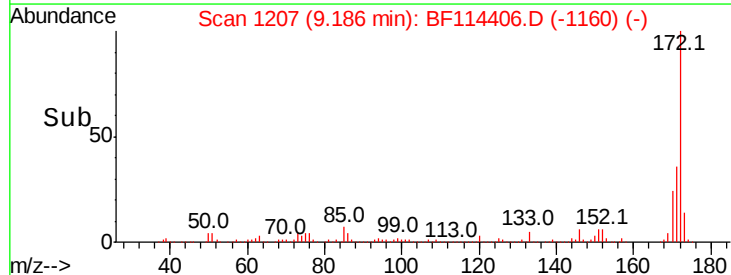


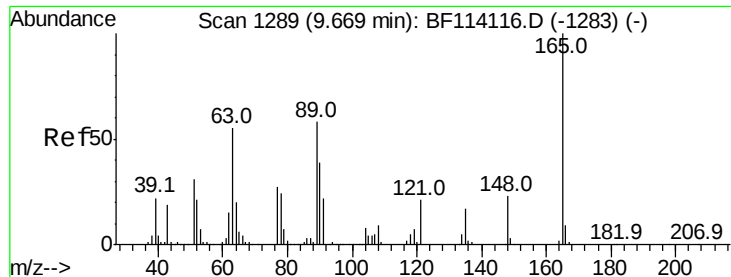
Abundance

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

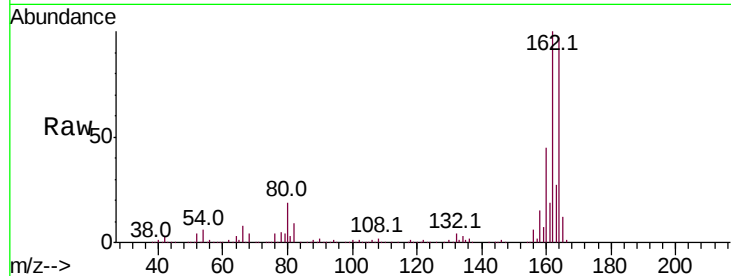




#51
 2,6-Dinitrotoluene
 Concen: 7.726 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF114406.D
 Acq: 18 May 2019 23:14

Instrument :
 BNA_F
 ClientSampleId :

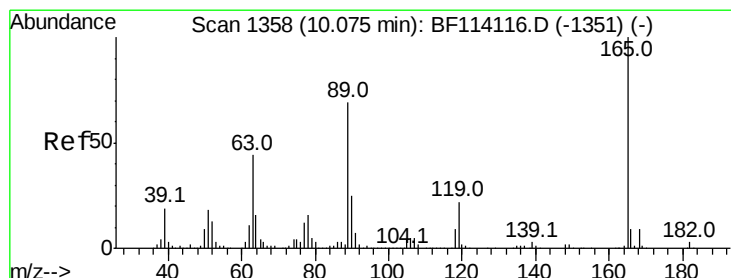
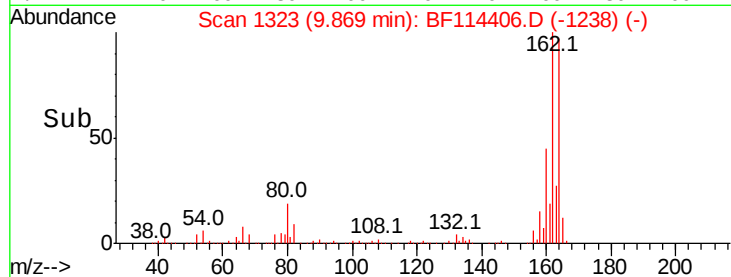
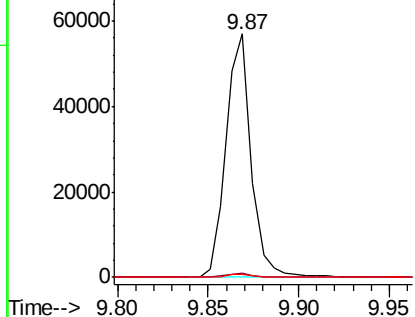
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	50.2	75.4#
89	1.4	46.6	69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

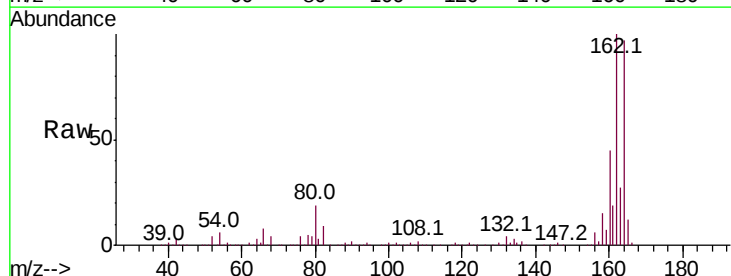
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 5.692 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF114406.D
 Acq: 18 May 2019 23:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	35.5	53.3#
89	1.4	55.2	82.8#
182	0.0	2.2	3.2#

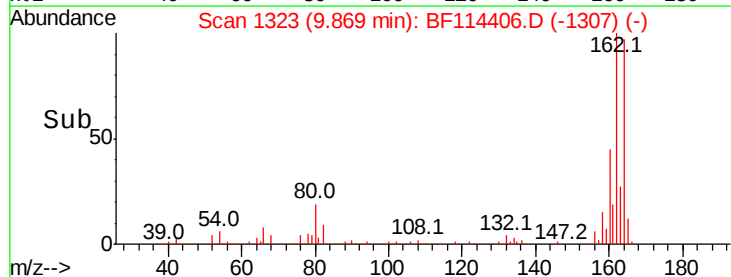
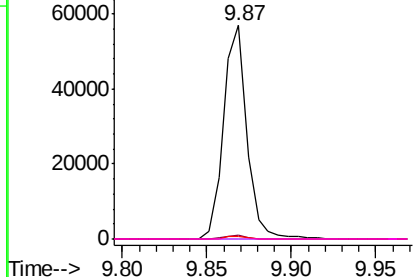


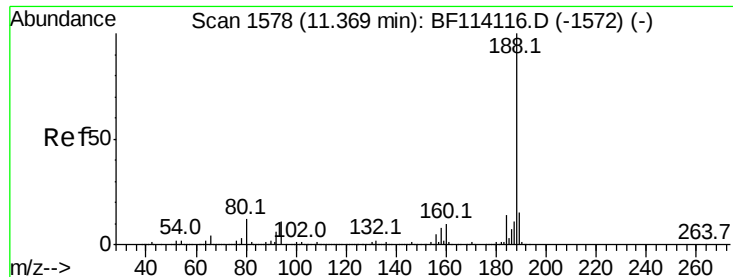
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

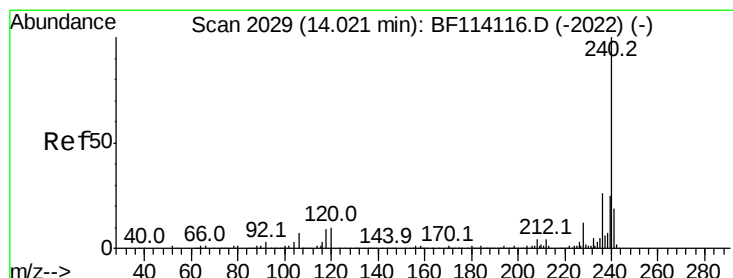
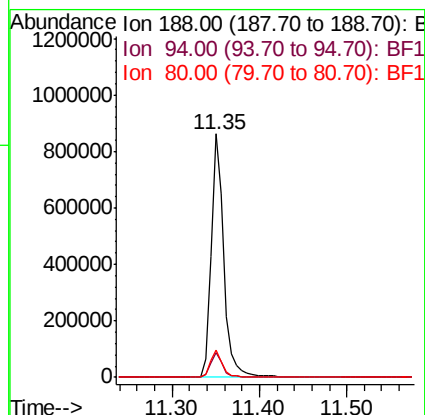
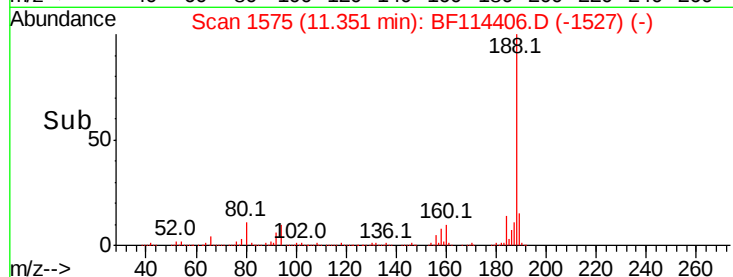
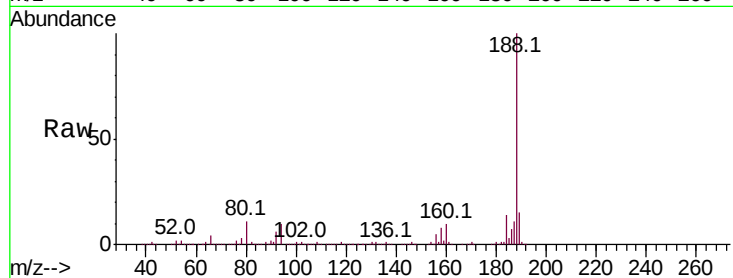




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF114406.D
Acq: 18 May 2019 23:14

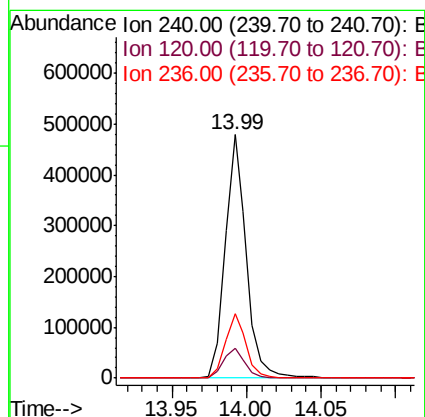
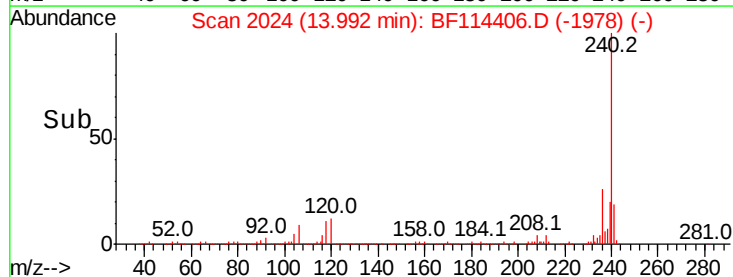
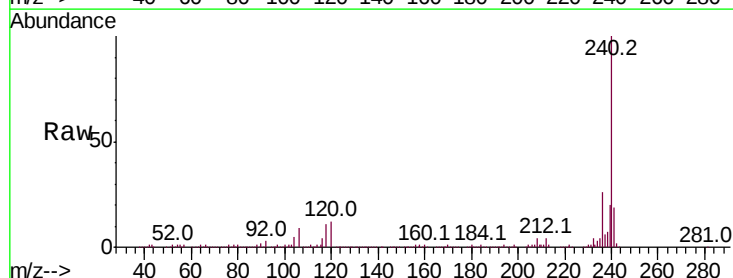
Instrument :
BNA_F
ClientSampled :

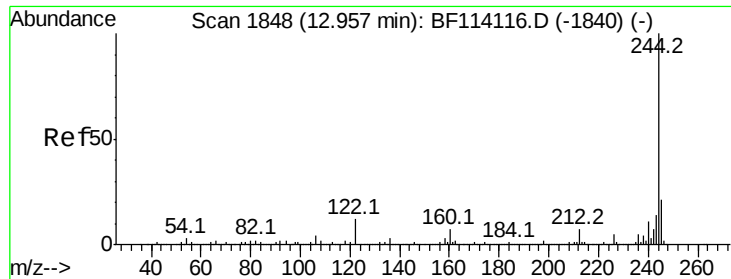
Tot Ion:188 Resp: 860135
Ion Ratio Lower Upper
188 100
94 10.4 8.4 12.6
80 11.3 9.2 13.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.03 min
Lab File: BF114406.D
Acq: 18 May 2019 23:14

Tgt Ion:240 Resp: 476345
Ion Ratio Lower Upper
240 100
120 12.4 8.3 12.5
236 26.3 20.8 31.2



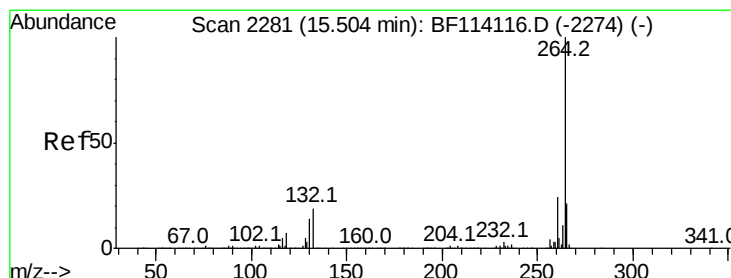
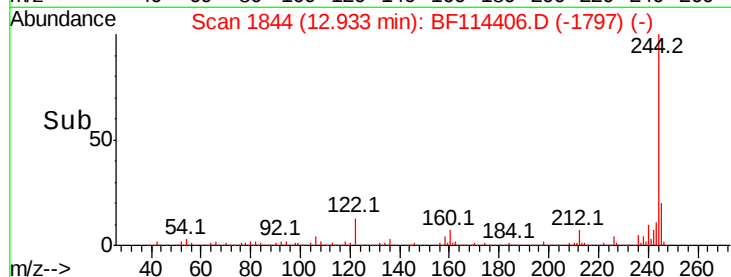
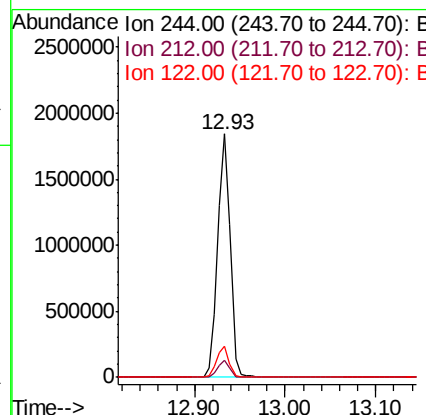
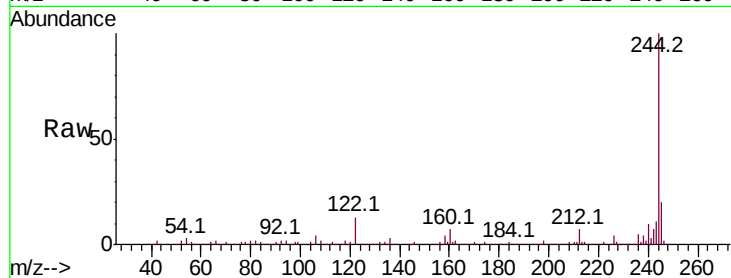


#79
 Terphenyl-d14
 Concen: 77.329 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF114406.D
 Acq: 18 May 2019 23:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1786884

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.7	9.4	14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.05 min
 Lab File: BF114406.D
 Acq: 18 May 2019 23:14

Tgt Ion:264 Resp: 508687

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	21.3	16.9	25.3

