

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113829.D
 Acq On : 18 Apr 2019 21:00
 Operator : JU/SJ
 Sample : K2441-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 02:08:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	157600	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	539687	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	232633	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	406442	20.00	ng	0.00
76) Chrysene-d12	14.04	240	460293	20.00	ng	0.00
87) Perylene-d12	15.51	264	551591	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	808658	85.32	ng	0.00
7) Phenol-d6	6.51	99	1008037	85.28	ng	0.00
23) Nitrobenzene-d5	7.45	82	574125	64.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	218827	85.14	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	984516	64.54	ng	0.00
79) Terphenyl-d14	12.99	244	1018534	46.40	ng	0.00

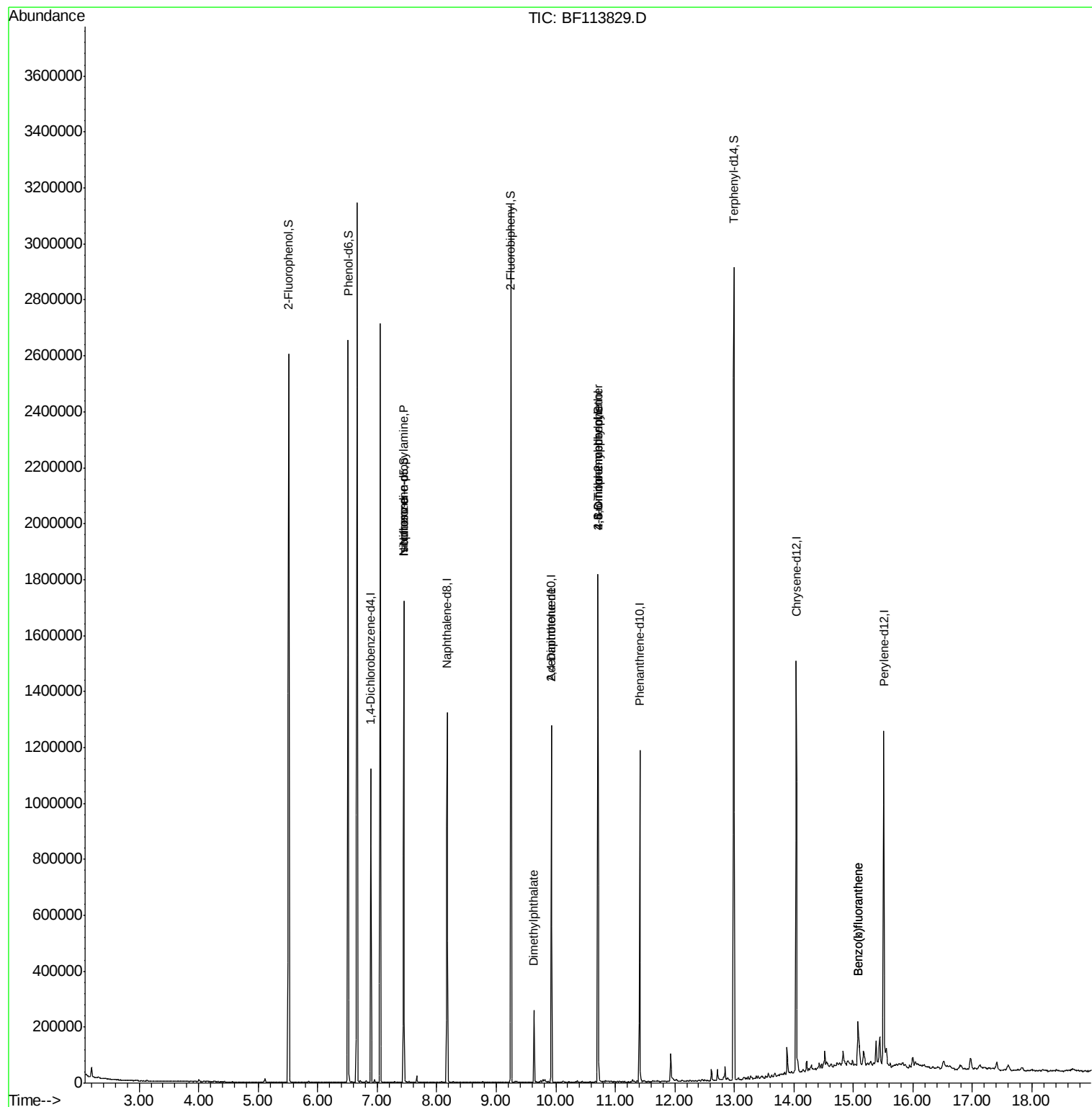
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1651	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	76905	9.748	ng	# 80
25) Isophorone	7.45	82	574113	31.288	ng	# 65
50) Dimethylphthalate	9.63	163	101427	6.230	ng	# 99
57) 2,4-Dinitrotoluene	9.93	165	30062	6.744	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.71	198	238	7.049	ng	# 1
67) 4-Bromophenyl-phenylether	10.71	248	13769	2.885	ng	# 1
88) Benzo(b)fluoranthene	15.07	252	110403	3.211	ng	97
89) Benzo(k)fluoranthene	15.07	252	110403	3.525	ng	98

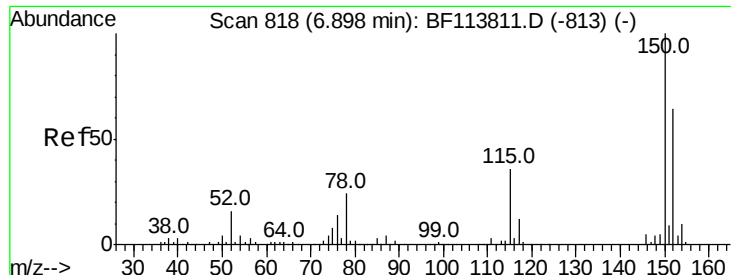
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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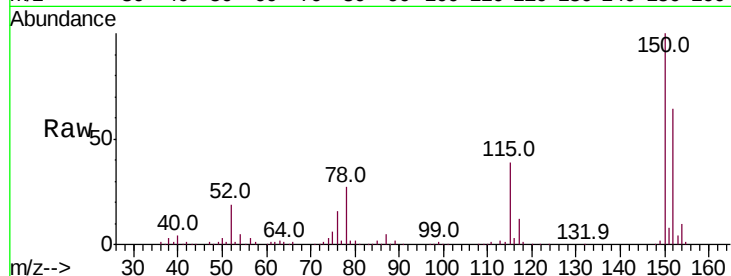


#1

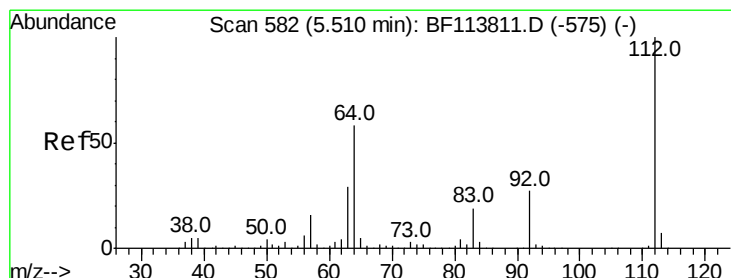
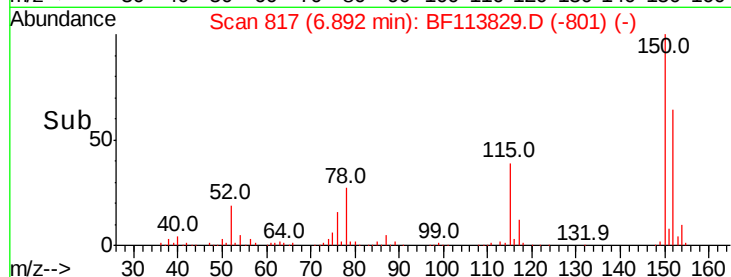
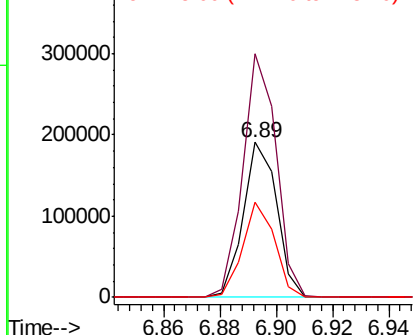
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113829.D
Acq: 18 Apr 2019 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157600
Ion Ratio Lower Upper
152 100
150 156.9 125.9 188.9
115 61.3 45.9 68.9



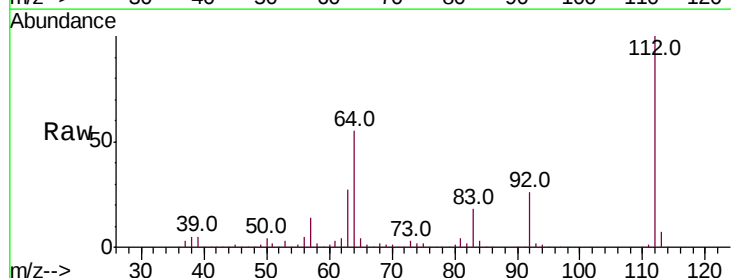
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



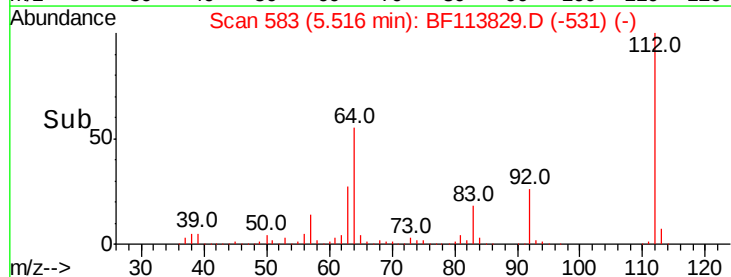
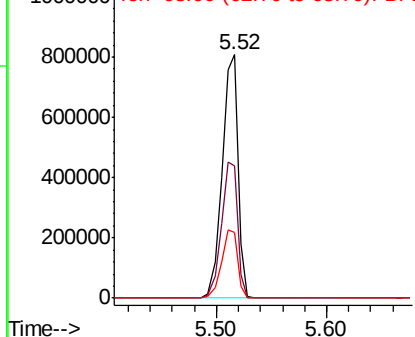
#5

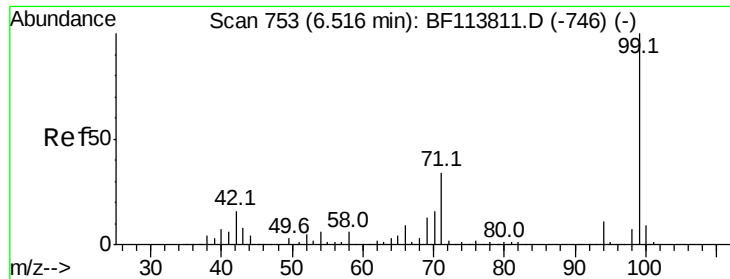
2-Fluorophenol
Concen: 85.318 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113829.D
Acq: 18 Apr 2019 21:00

Tgt Ion:112 Resp: 808658
Ion Ratio Lower Upper
112 100
64 54.5 46.6 69.8
63 27.0 23.1 34.7



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: 85.283 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113829.D

Acq: 18 Apr 2019 21:00

Instrument :

BNA_F

ClientSampled :

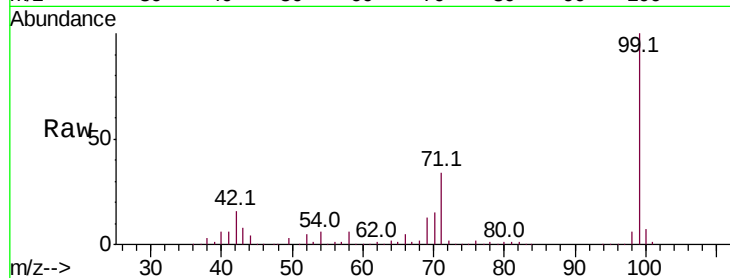
Tot Ion: 99 Resp: 1008037

Ion Ratio Lower Upper

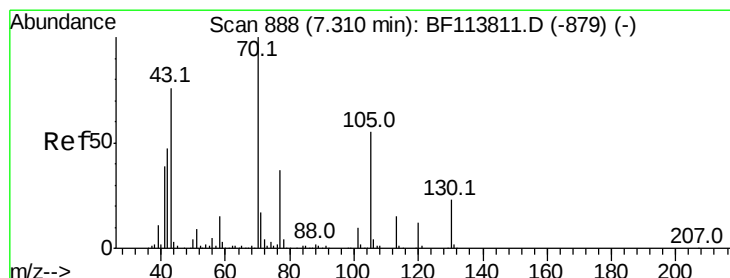
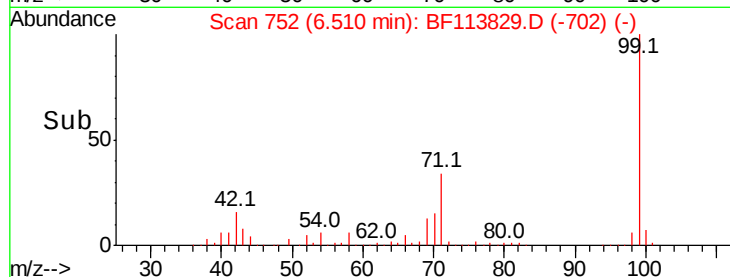
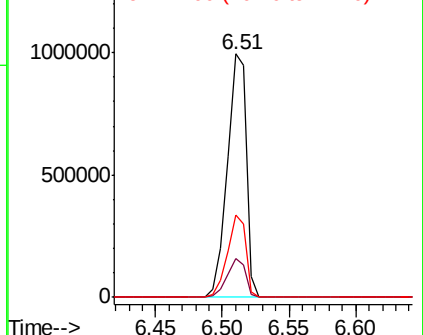
99 100

42 15.7 12.5 18.7

71 34.0 26.9 40.3



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: 9.748 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF113829.D

Acq: 18 Apr 2019 21:00

Tgt Ion: 70 Resp: 76905

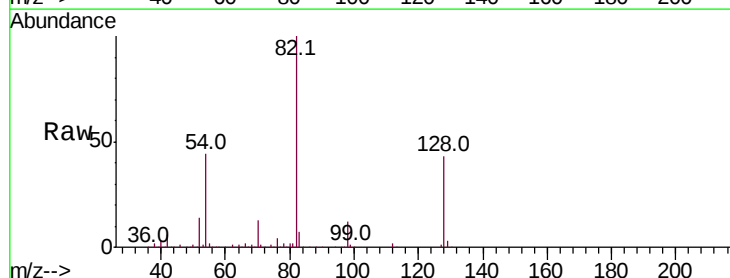
Ion Ratio Lower Upper

70 100

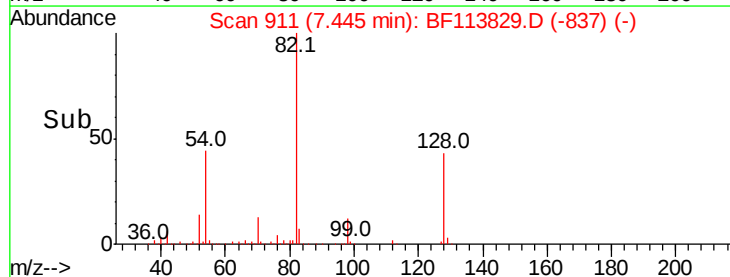
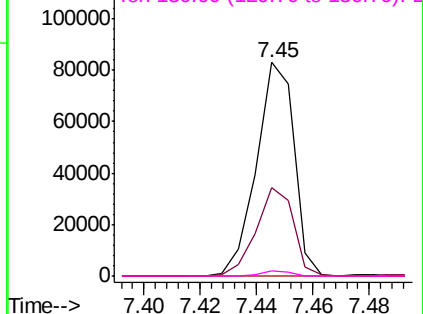
42 41.6 37.3 55.9

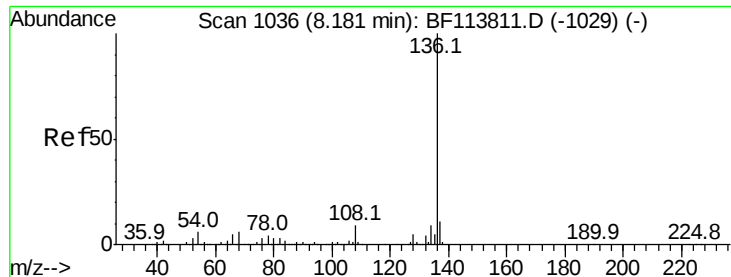
101 0.0 7.8 11.8#

130 2.2 18.2 27.2#



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

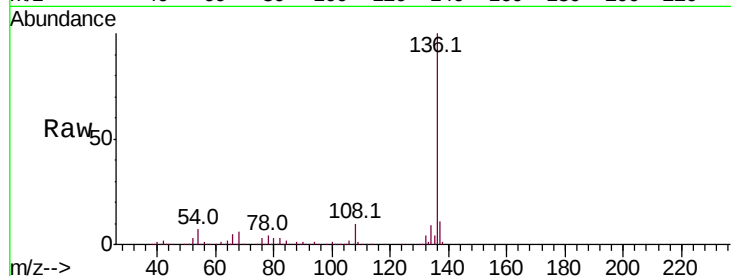




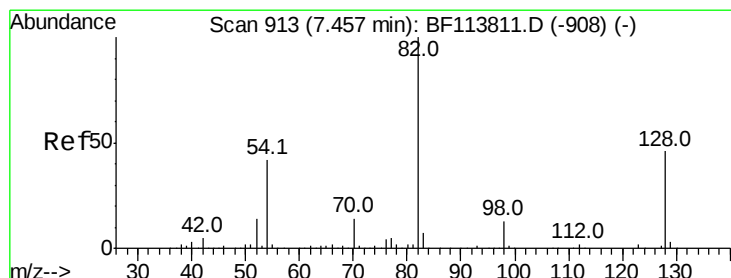
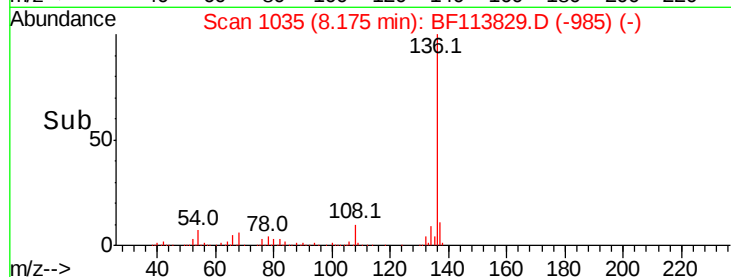
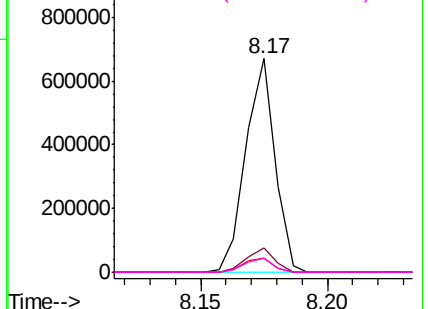
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113829.D
Acq: 18 Apr 2019 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	539687
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.6 12.8
54	6.7	5.0 7.6
68	6.3	4.9 7.3

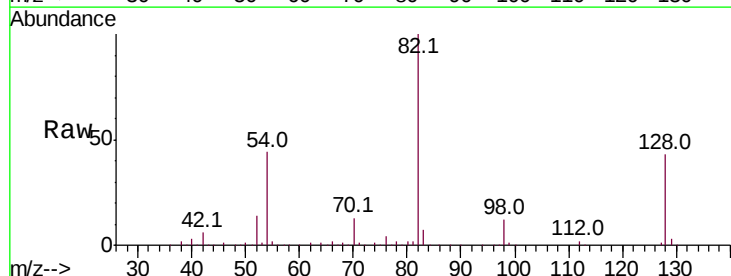


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

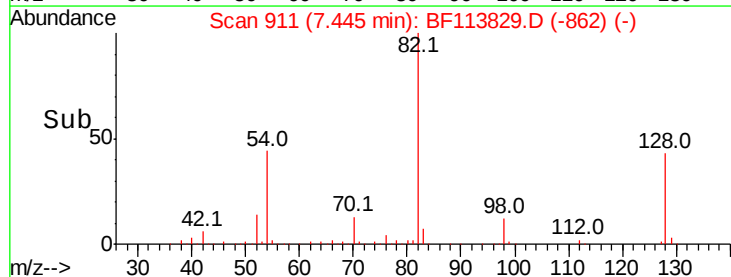
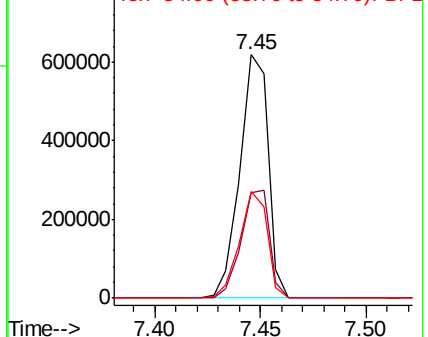


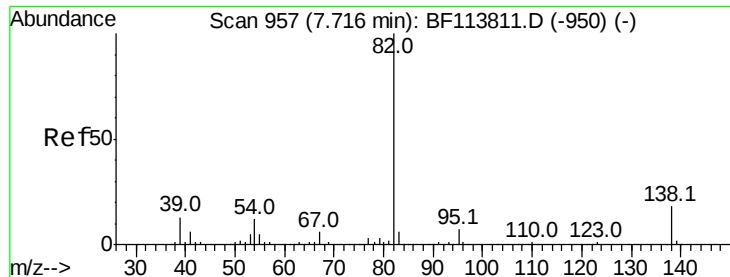
#23
Nitrobenzene-d5
Concen: 64.782 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF113829.D
Acq: 18 Apr 2019 21:00

Tgt Ion: 82	Resp:	574125
Ion	Ratio	Lower Upper
82	100	
128	43.0	36.8 55.2
54	43.9	33.8 50.6



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: 31.288 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113829.D

Acq: 18 Apr 2019 21:00

Instrument :

BNA_F

ClientSampleId :

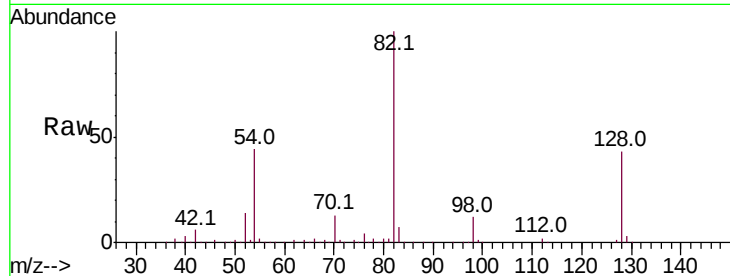
Tot Ion: 82 Resp: 574113

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

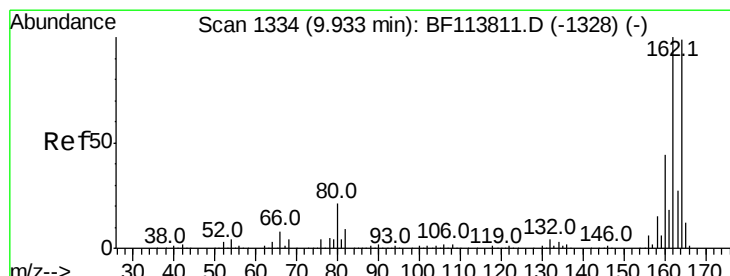
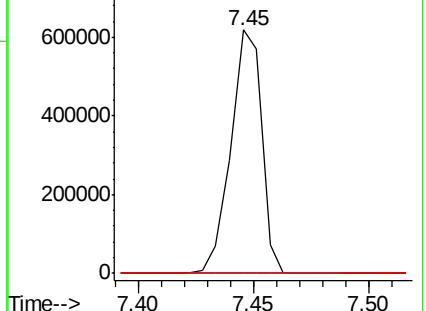
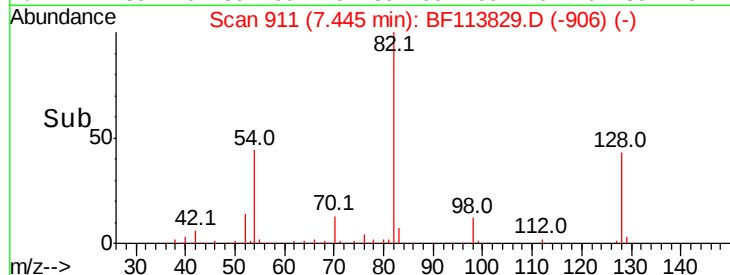
138 0.0 14.6 22.0#



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: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113829.D

Acq: 18 Apr 2019 21:00

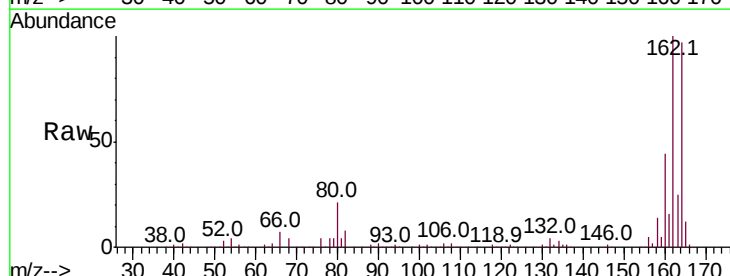
Tgt Ion:164 Resp: 232633

Ion Ratio Lower Upper

164 100

162 102.9 81.1 121.7

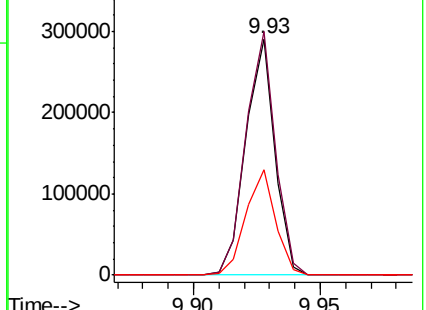
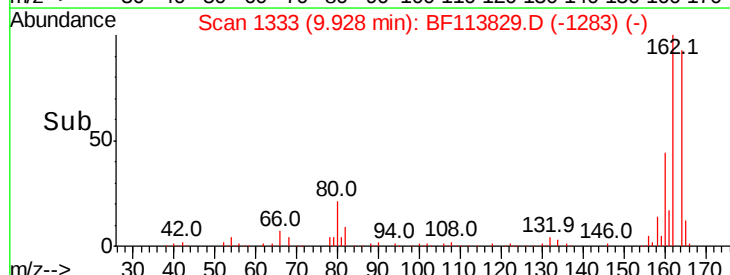
160 44.8 35.8 53.6

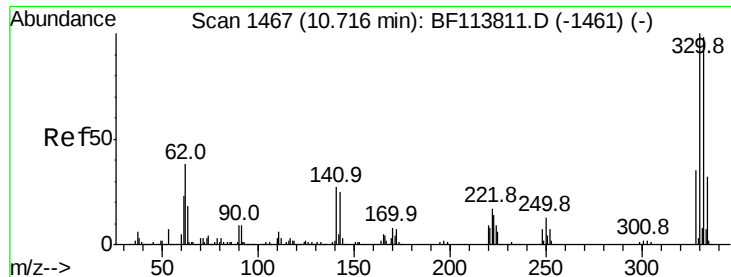


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

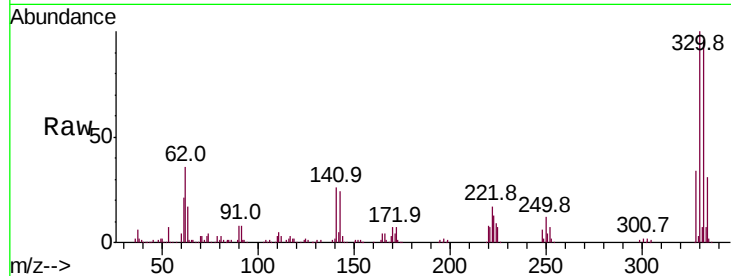




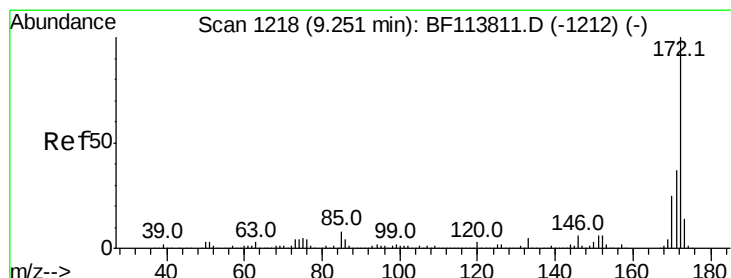
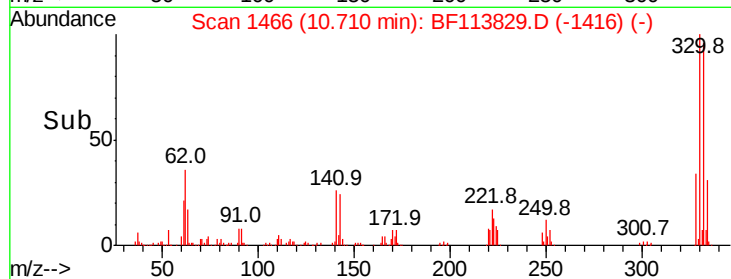
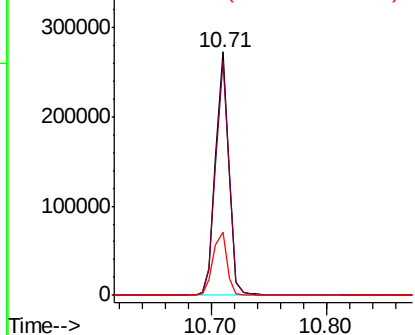
#42
 2,4,6-Tribromophenol
 Concen: 85.141 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF113829.D
 Acq: 18 Apr 2019 21:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.5	116.3
141	27.3	22.2	33.2

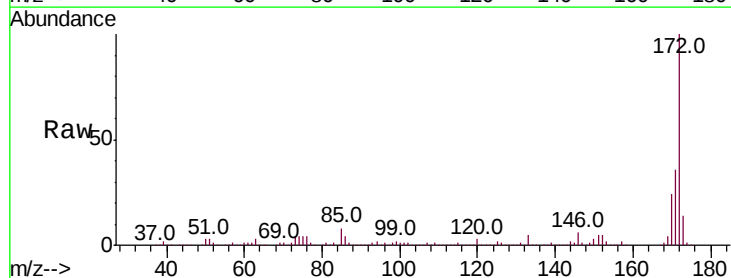


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

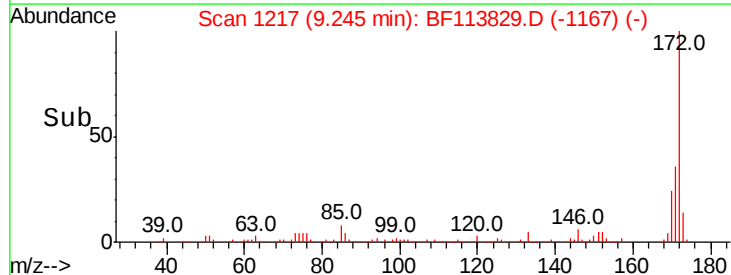
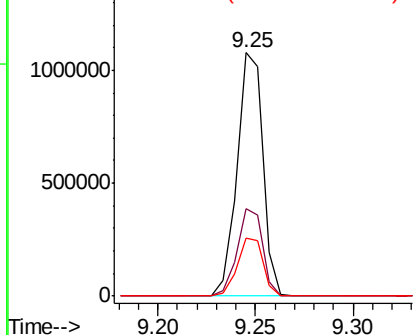


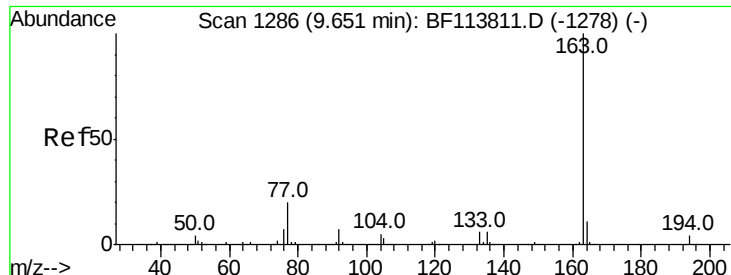
#45
 2-Fluorobiphenyl
 Concen: 64.540 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF113829.D
 Acq: 18 Apr 2019 21:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	24.0	19.9	29.9



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: 6.230 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF113829.D

Acq: 18 Apr 2019 21:00

Instrument :

BNA_F

ClientSampleId :

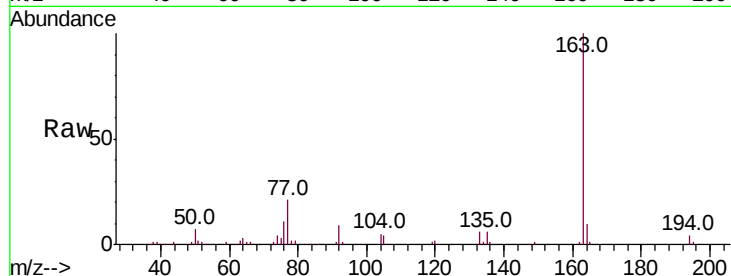
Tot Ion:163 Resp: 101427

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

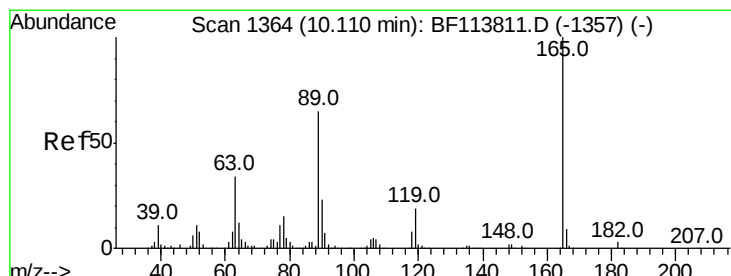
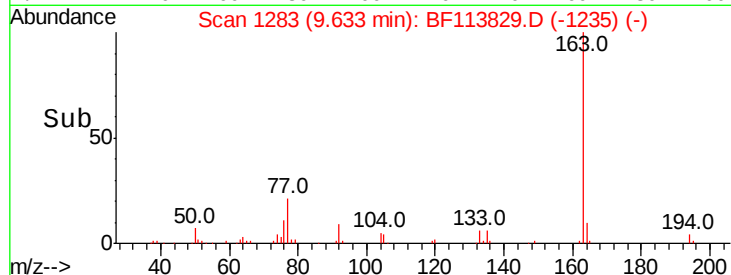
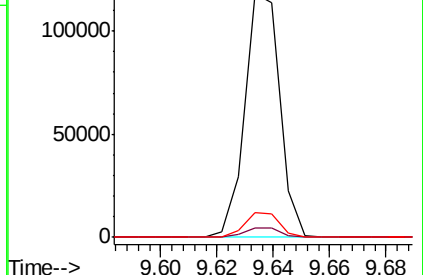
164 10.3 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.744 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF113829.D

Acq: 18 Apr 2019 21:00

Tgt Ion:165 Resp: 30062

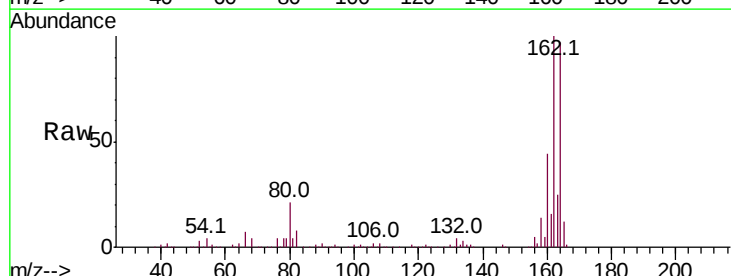
Ion Ratio Lower Upper

165 100

63 1.2 27.4 41.0#

89 1.5 51.8 77.6#

182 0.0 2.2 3.2#

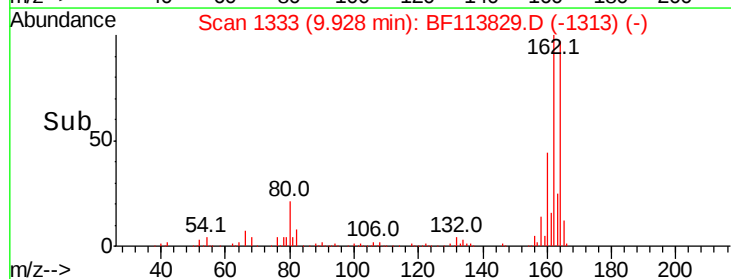
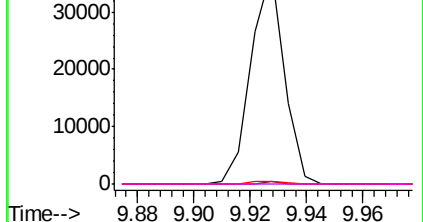


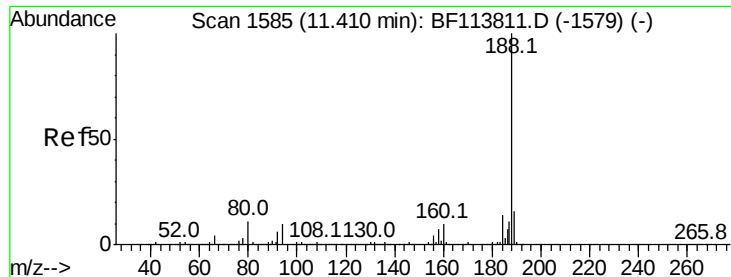
Abundance Ion 165.00 (164.70 to 165.70): E

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

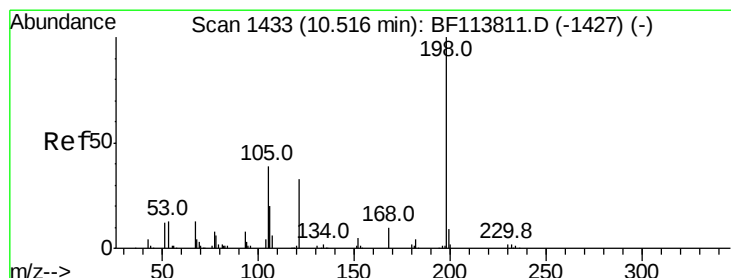
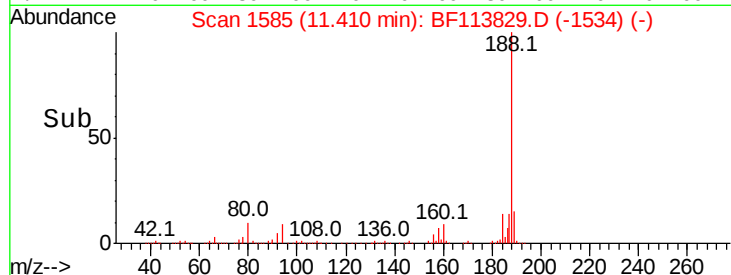
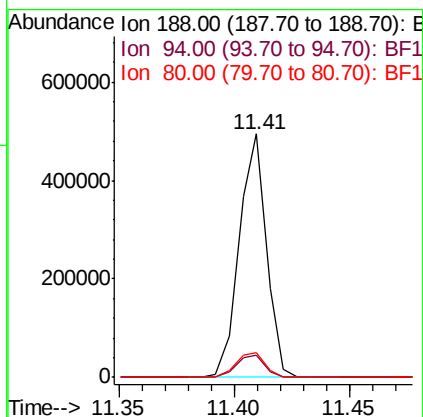
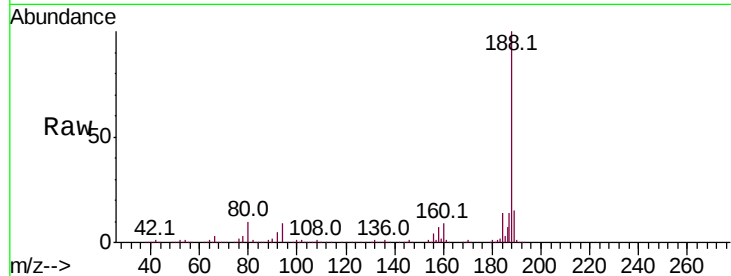




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF113829.D
Acq: 18 Apr 2019 21:00

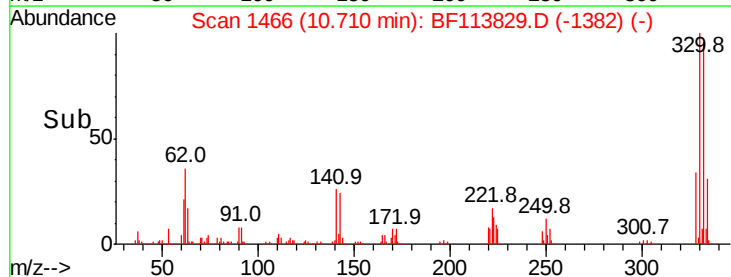
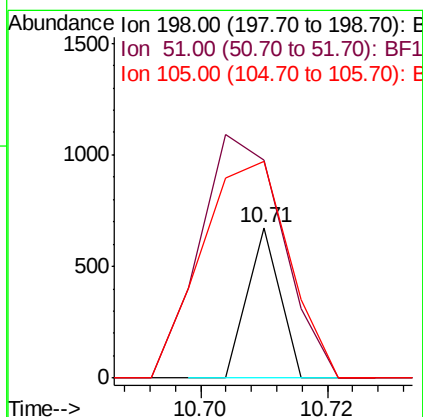
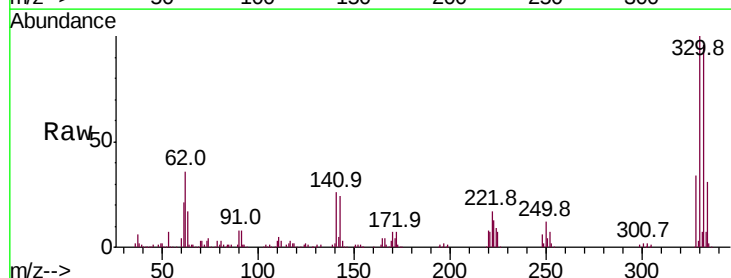
Instrument :
BNA_F
ClientSampleId :

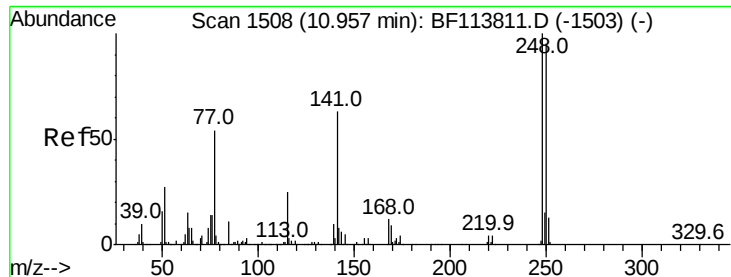
Tot Ion:188 Resp: 406442
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.4
80 10.1 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.049 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF113829.D
Acq: 18 Apr 2019 21:00

Tgt Ion:198 Resp: 238
Ion Ratio Lower Upper
198 100
51 145.5 11.1 51.1#
105 144.0 20.7 60.7#

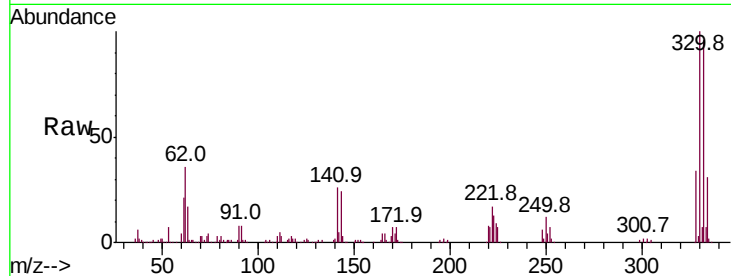




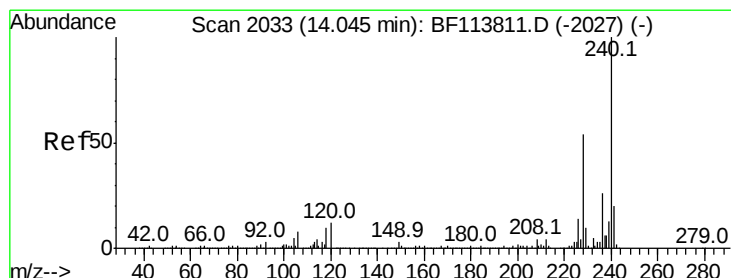
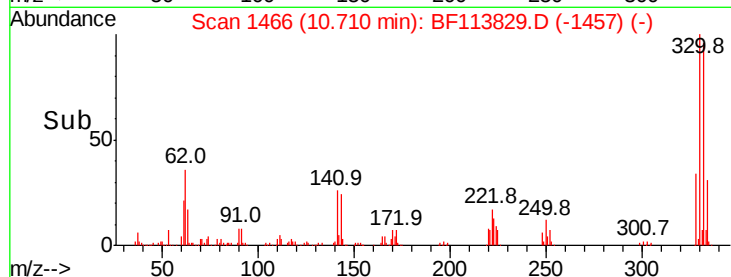
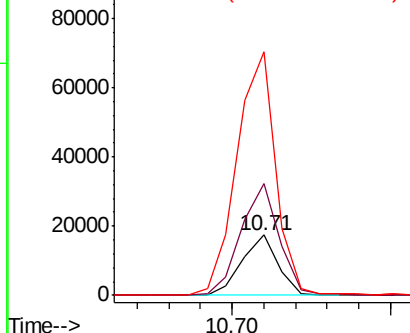
#67
 4-Bromophenyl-phenylether
 Concen: 2.885 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF113829.D
 Acq: 18 Apr 2019 21:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13769
 Ion Ratio Lower Upper
 248 100
 250 186.9 75.8 113.6#
 141 404.9 50.2 75.4#

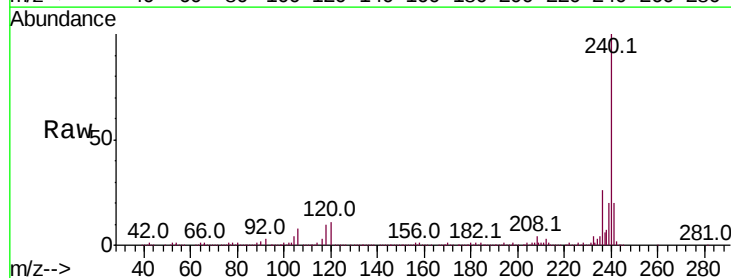


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

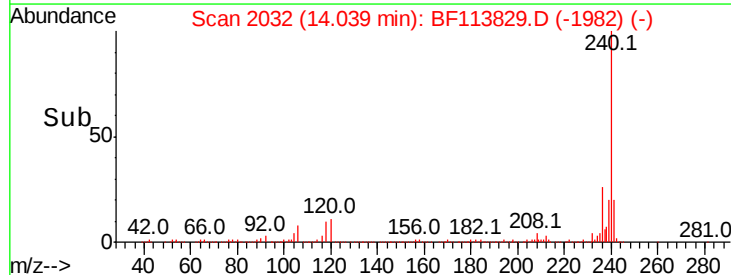
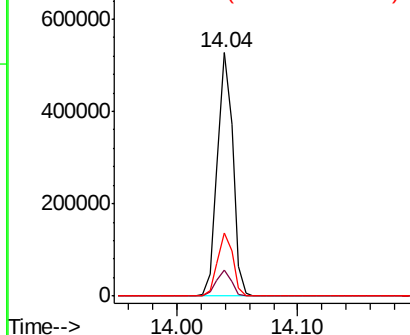


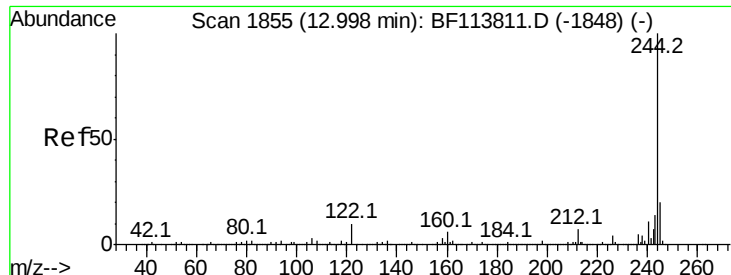
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF113829.D
 Acq: 18 Apr 2019 21:00

Tgt Ion:240 Resp: 460293
 Ion Ratio Lower Upper
 240 100
 120 10.6 9.3 13.9
 236 25.8 21.2 31.8



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





#79

Terphenyl-d14

Concen: 46.401 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113829.D

Acq: 18 Apr 2019 21:00

Instrument :

BNA_F

ClientSampleId :

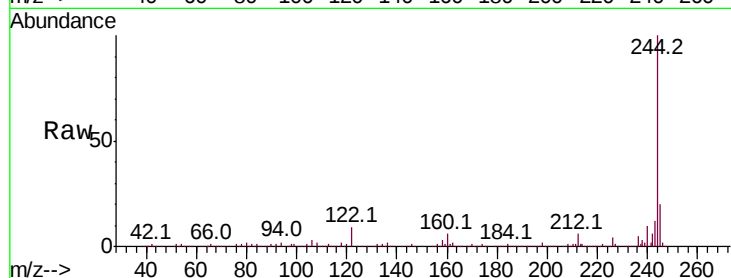
Tot Ion:244 Resp: 1018534

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

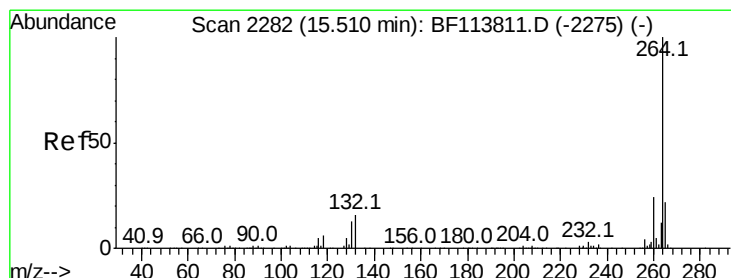
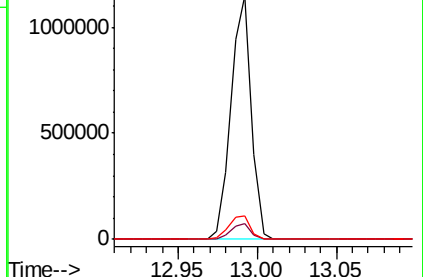
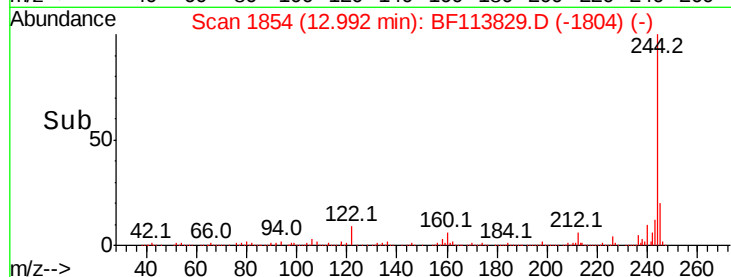
122 9.4 7.6 11.4



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: 15.51 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BF113829.D

Acq: 18 Apr 2019 21:00

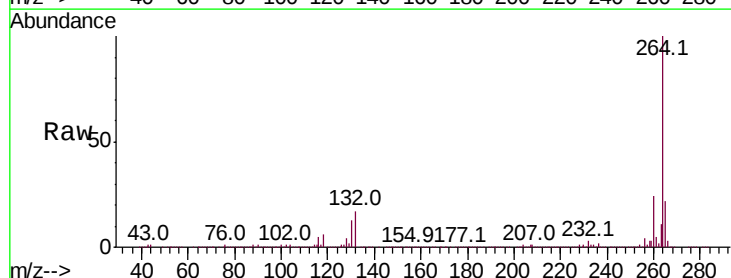
Tgt Ion:264 Resp: 551591

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

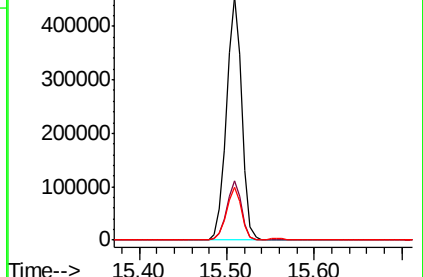
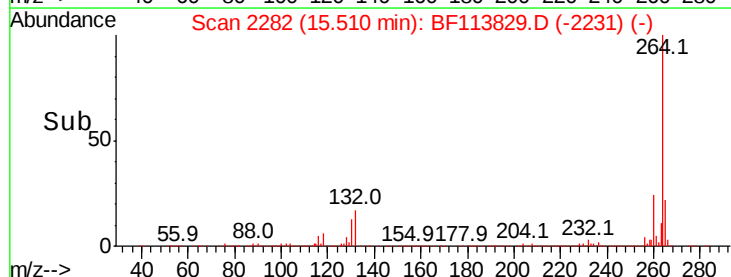
265 21.7 17.3 25.9

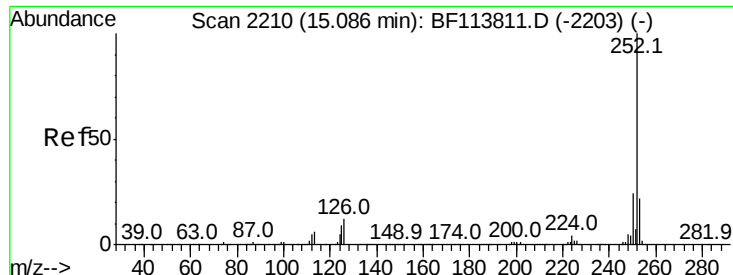


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

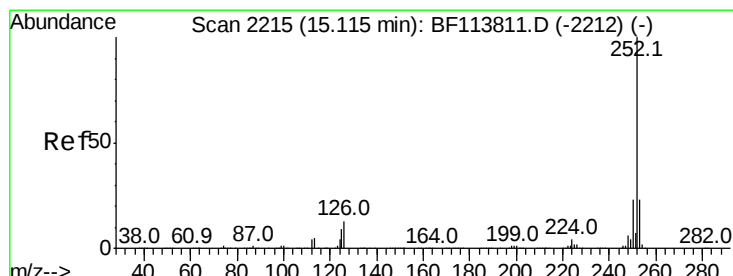
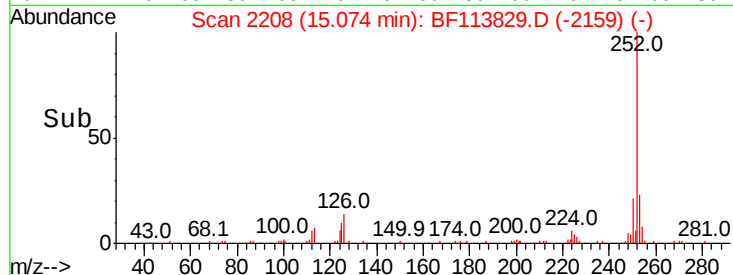
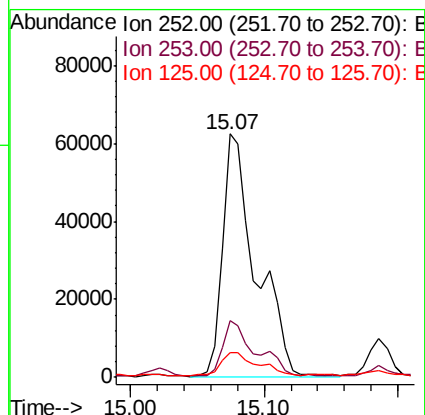
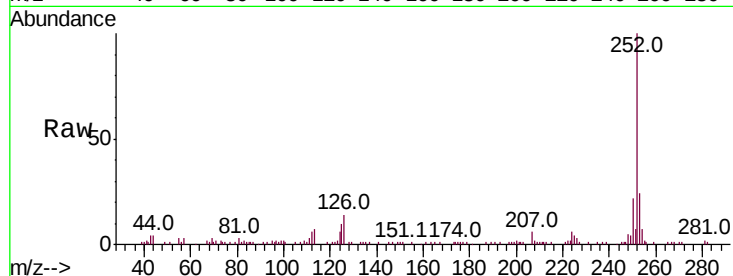




#88
Benzo(b)fluoranthene
Concen: 3.211 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF113829.D
Acq: 18 Apr 2019 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	10.3	7.0	10.6



#89
Benzo(k)fluoranthene
Concen: 3.525 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF113829.D
Acq: 18 Apr 2019 21:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	10.3	7.4	11.2

