

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113942.D
 Acq On : 24 Apr 2019 1:53
 Operator : JU/SJ
 Sample : K2532-16
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 05:19:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	116597	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	397594	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	174558	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	335340	20.00	ng	0.00
76) Chrysene-d12	14.05	240	360586	20.00	ng	-0.02
87) Perylene-d12	15.53	264	301375	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	763609	112.01	ng	0.02
7) Phenol-d6	6.52	99	835797	97.72	ng	0.00
23) Nitrobenzene-d5	7.45	82	632223	98.18	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	297224	139.77	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1163706	104.27	ng	0.00
79) Terphenyl-d14	13.00	244	1482162	84.27	ng	0.00

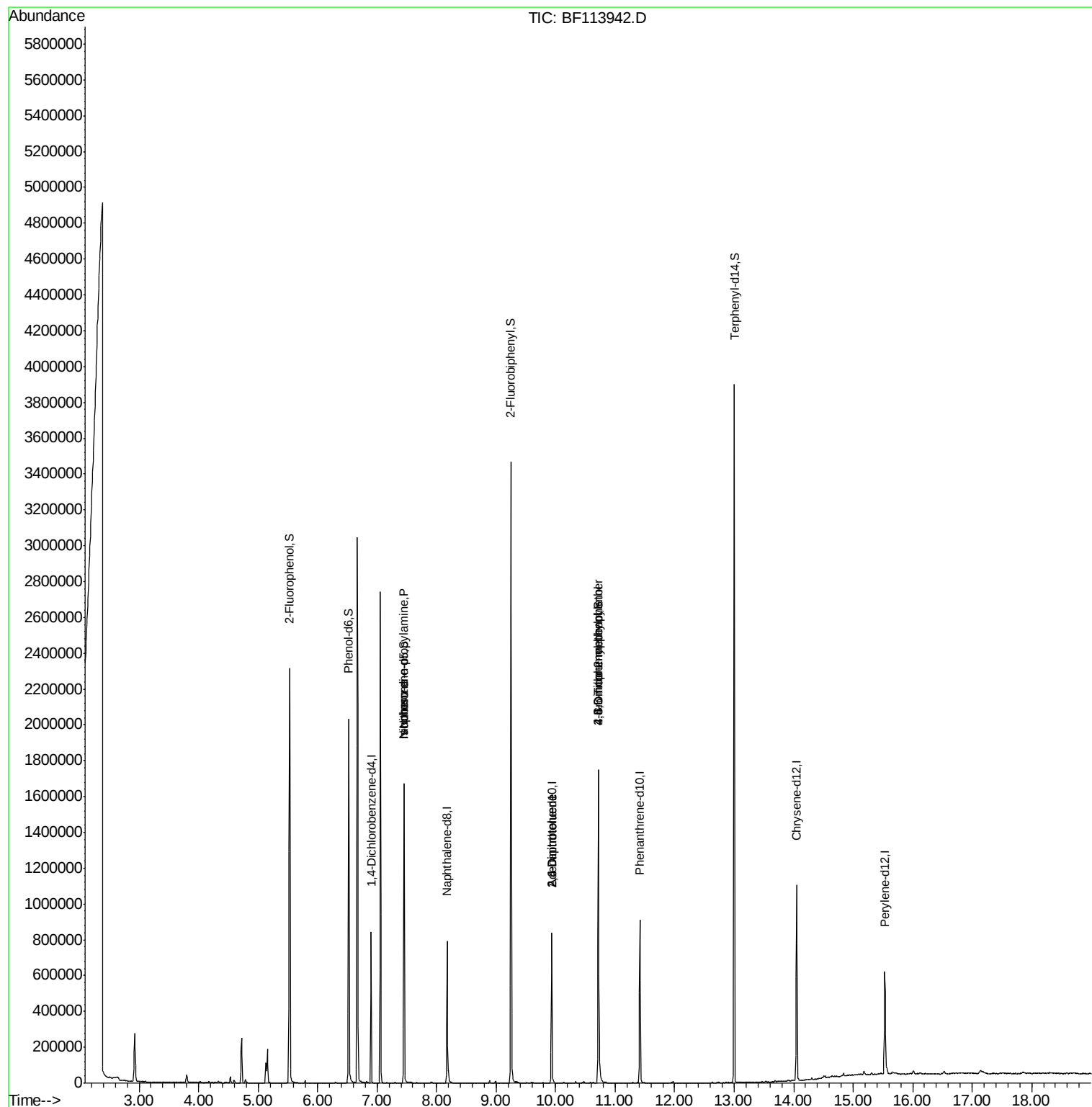
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	19421	Below Cal		83
19) n-Nitroso-di-n-propylamine	7.45	70	84806	15.311	ng	# 77
25) Isophorone	7.45	82	632219	47.982	ng	# 65
51) 2,6-Dinitrotoluene	9.93	165	21800	8.049	ng	# 32
57) 2,4-Dinitrotoluene	9.93	165	21800	6.377	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	359	7.506	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	17876	4.413	ng	# 1

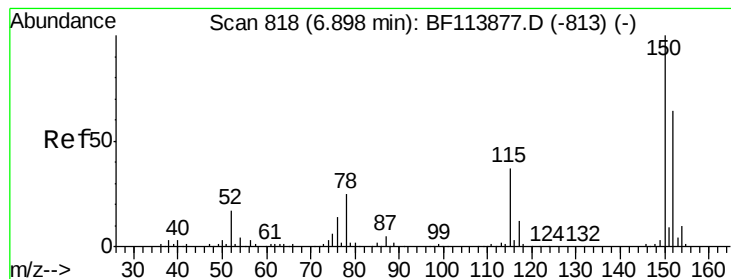
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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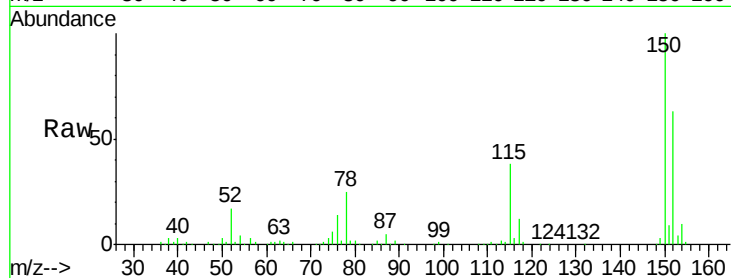


#1

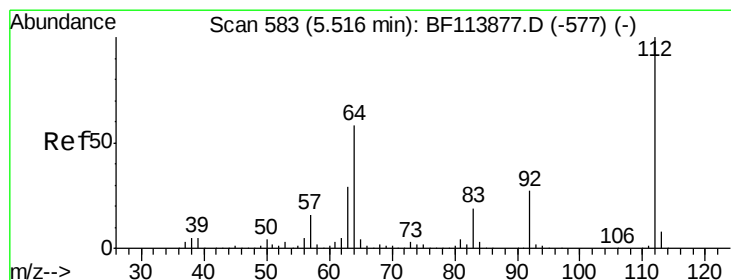
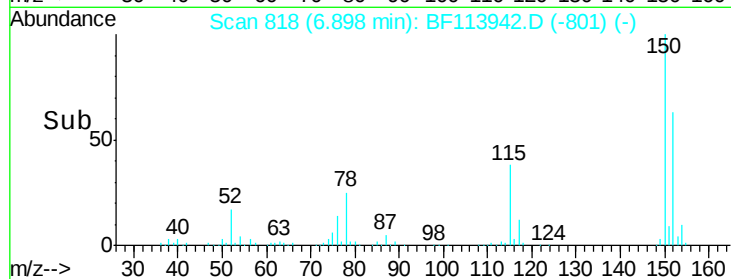
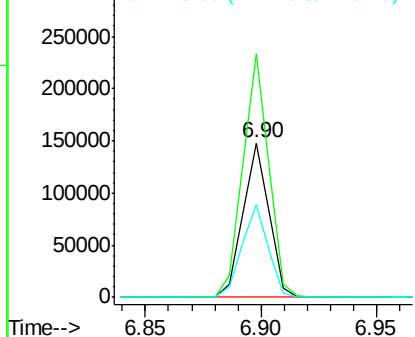
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113942.D
Acq: 24 Apr 2019 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.9	188.9
115	60.0	45.9	68.9



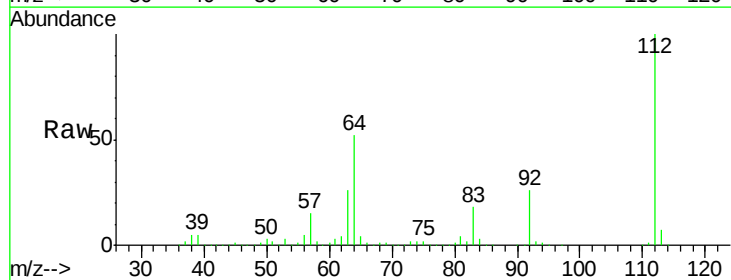
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



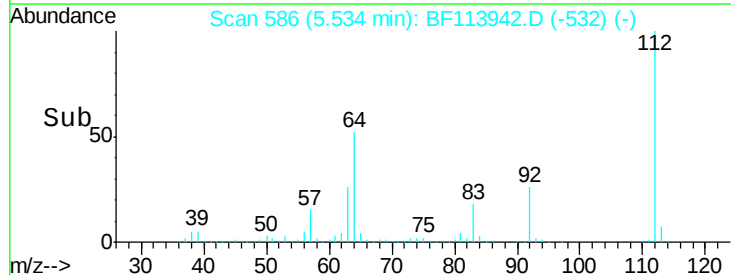
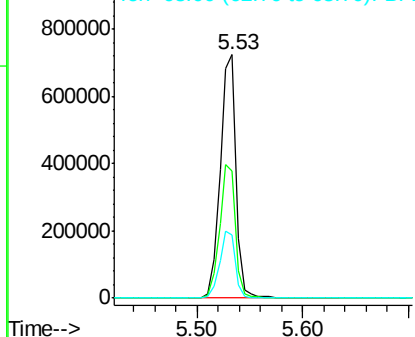
#5

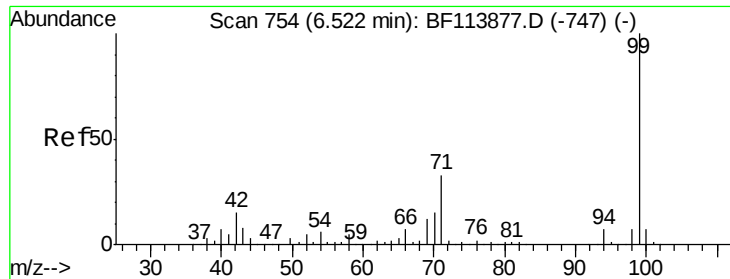
2-Fluorophenol
Concen: 112.013 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF113942.D
Acq: 24 Apr 2019 1:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	46.6	69.8
63	26.0	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: 97.721 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF113942.D

Acq: 24 Apr 2019 1:53

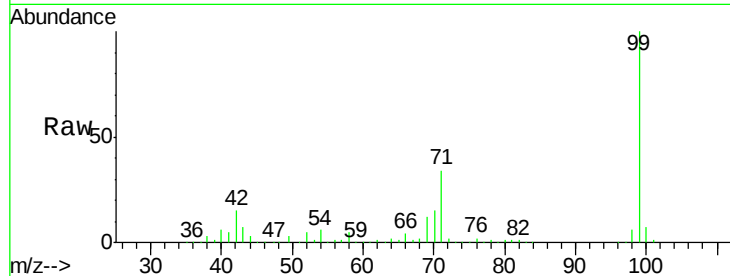
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 835797

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.5	18.7
71	34.0	26.9	40.3

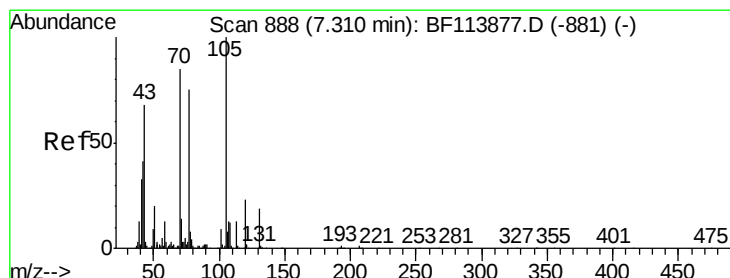
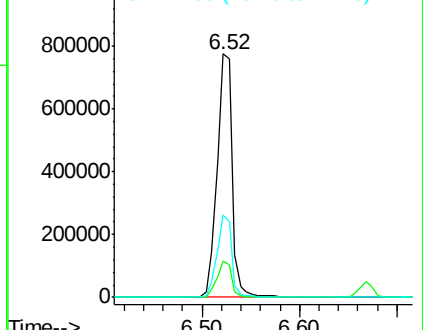
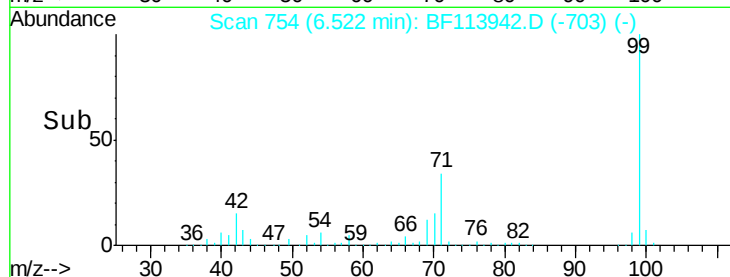


Abundance

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: 15.311 ng

RT: 7.45 min Scan# 912

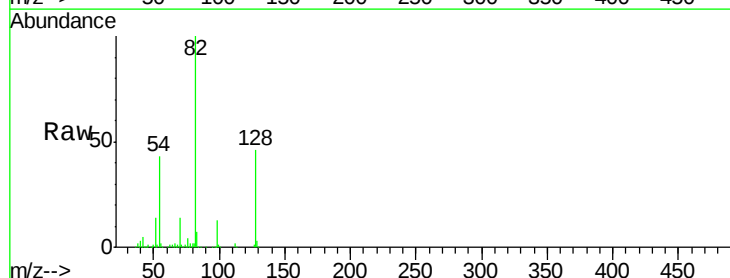
Delta R.T. 0.14 min

Lab File: BF113942.D

Acq: 24 Apr 2019 1:53

Tgt Ion: 70 Resp: 84806

Ion	Ratio	Lower	Upper
70	100		
42	38.5	37.3	55.9
101	0.0	7.8	11.8#
130	2.3	18.2	27.2#



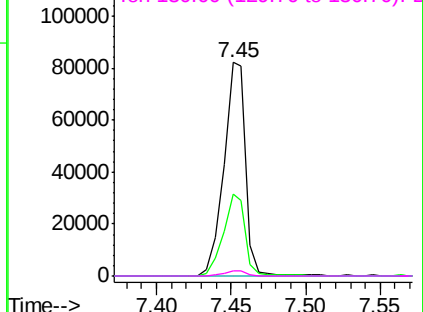
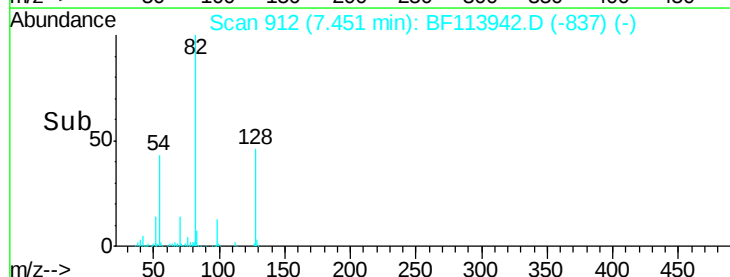
Abundance

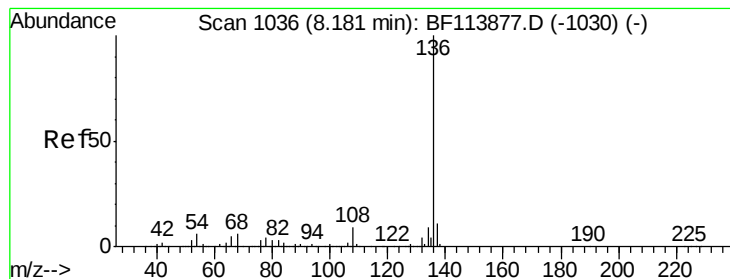
Ion 70.00 (69.70 to 70.70): BF1

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: BF113942.D

Acq: 24 Apr 2019 1:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 397594

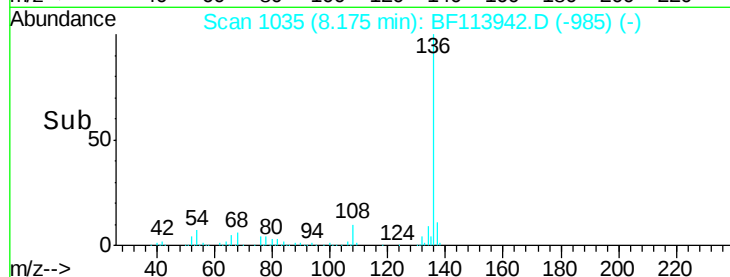
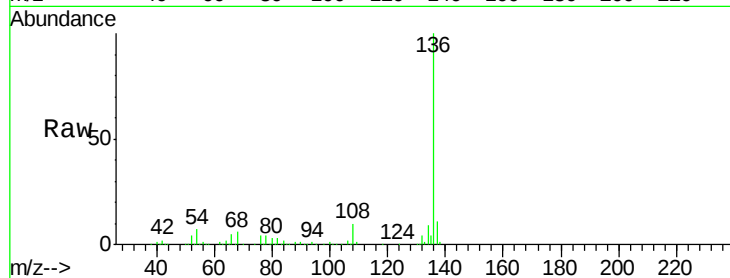
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.6 5.0 7.6

68 6.3 4.9 7.3

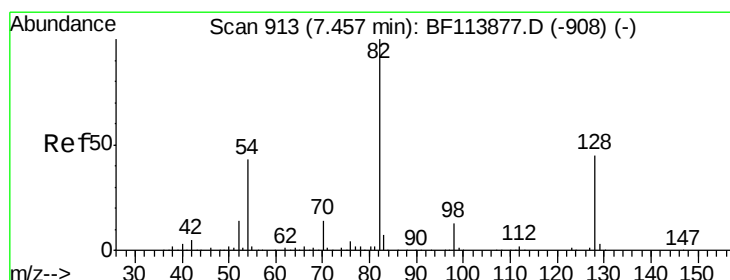
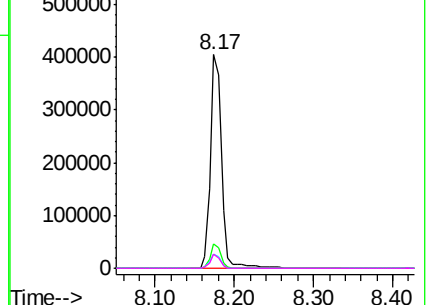


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.180 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113942.D

Acq: 24 Apr 2019 1:53

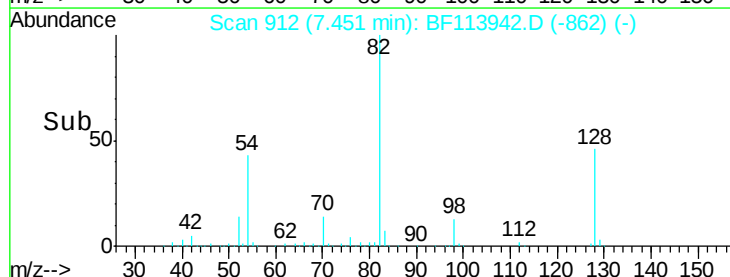
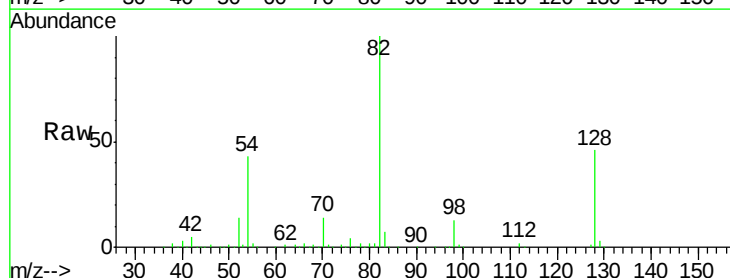
Tgt Ion: 82 Resp: 632223

Ion Ratio Lower Upper

82 100

128 45.7 36.8 55.2

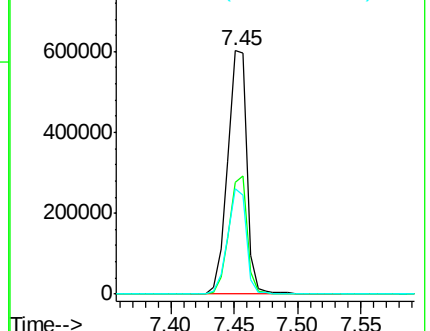
54 43.4 33.8 50.6

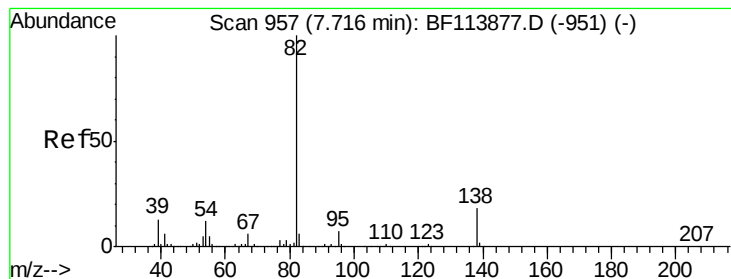


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.982 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113942.D

Acq: 24 Apr 2019 1:53

Instrument :

BNA_F

ClientSampleId :

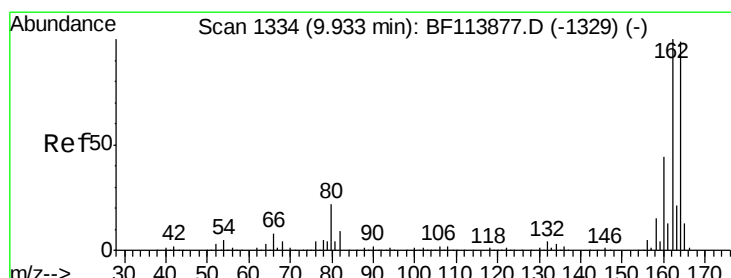
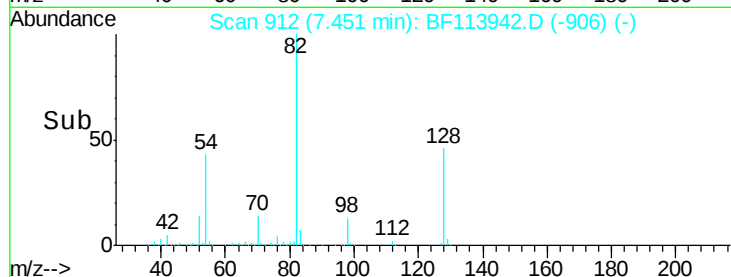
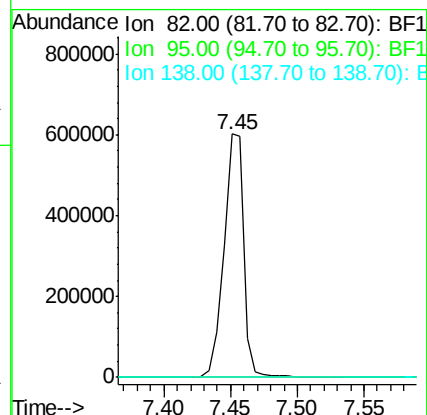
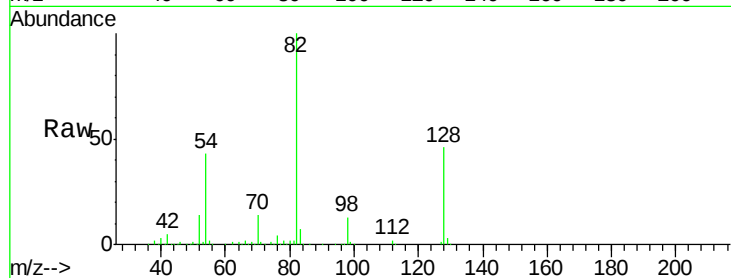
Tot Ion: 82 Resp: 632219

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113942.D

Acq: 24 Apr 2019 1:53

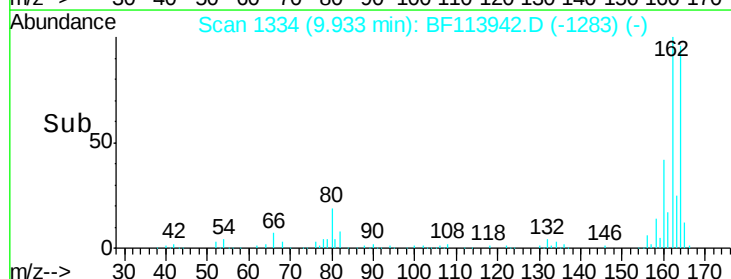
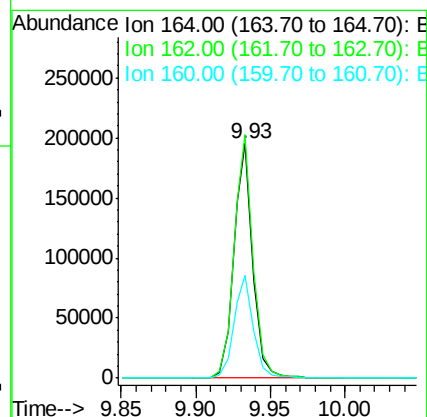
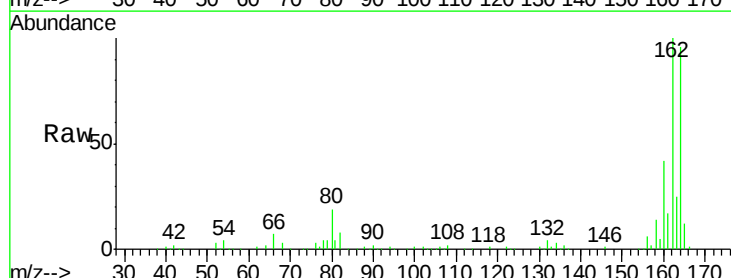
Tgt Ion:164 Resp: 174558

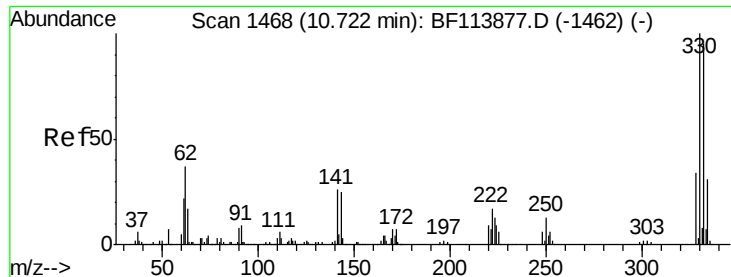
Ion Ratio Lower Upper

164 100

162 103.8 81.1 121.7

160 44.0 35.8 53.6

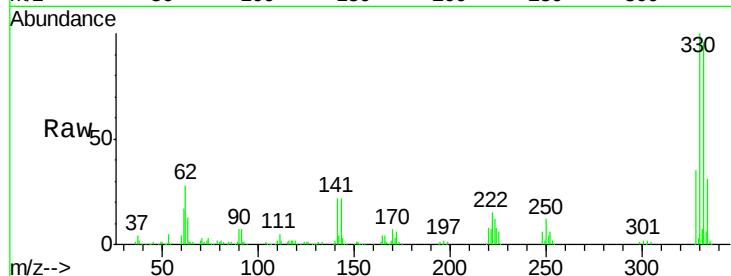




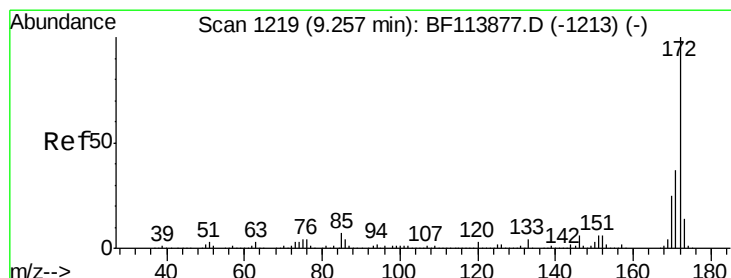
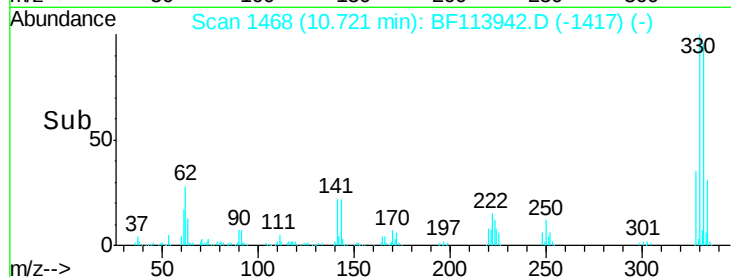
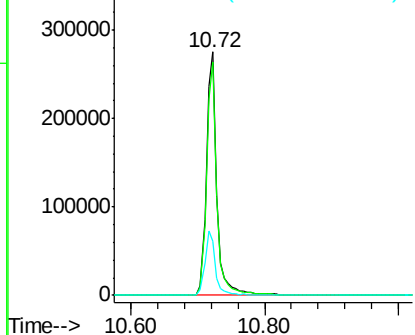
#42
 2,4,6-Tribromophenol
 Concen: 139.773 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF113942.D
 Acq: 24 Apr 2019 1:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.5	116.3
141	26.5	22.2	33.2

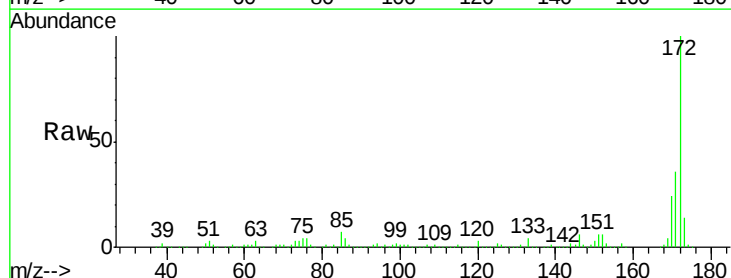


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

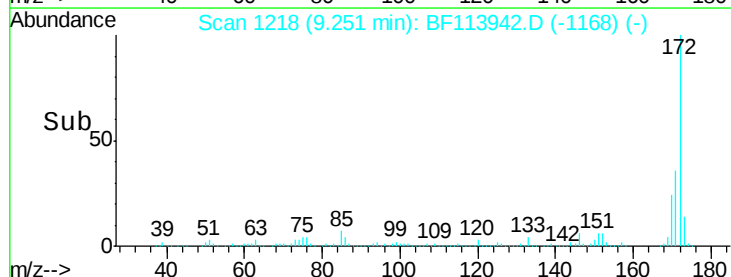
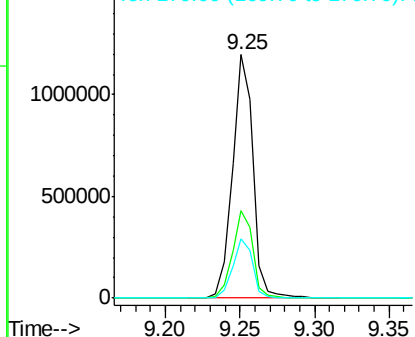


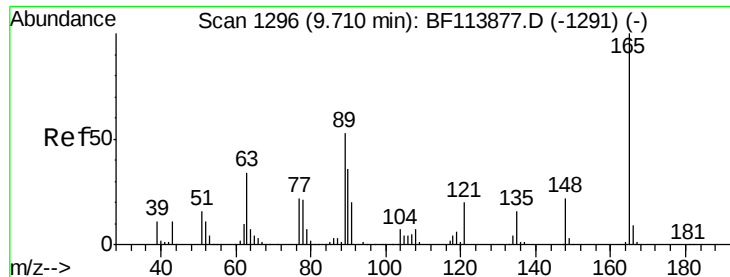
#45
 2-Fluorobiphenyl
 Concen: 104.267 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113942.D
 Acq: 24 Apr 2019 1:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.2	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





#51

2,6-Dinitrotoluene

Concen: 8.049 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF113942.D

Acq: 24 Apr 2019 1:53

Instrument :

BNA_F

ClientSampleId :

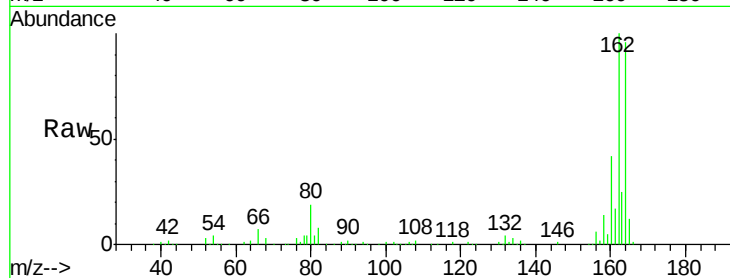
Tot Ion:165 Resp: 21800

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

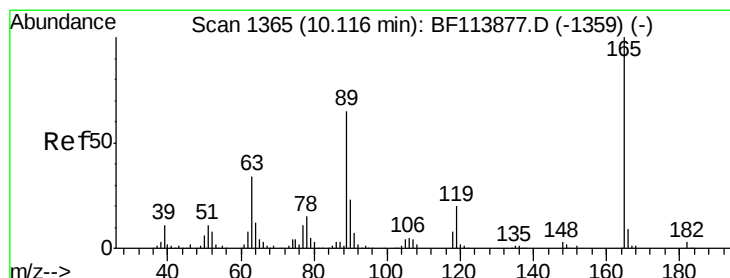
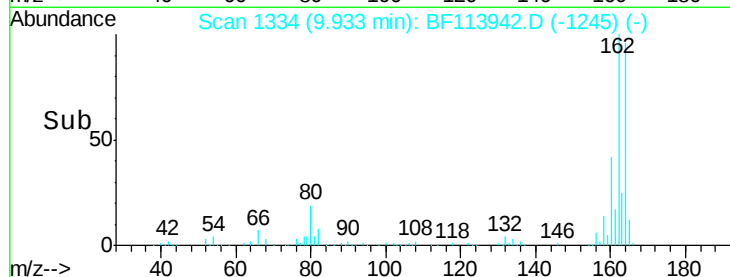
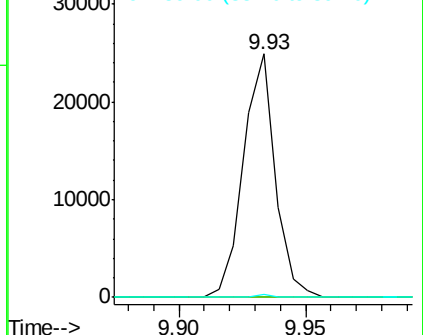
89 1.4 38.2 57.2#



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



#57

2,4-Dinitrotoluene

Concen: 6.377 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113942.D

Acq: 24 Apr 2019 1:53

Tgt Ion:165 Resp: 21800

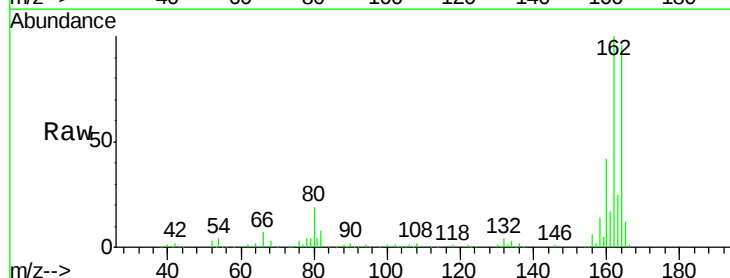
Ion Ratio Lower Upper

165 100

63 0.0 27.4 41.0#

89 1.4 51.8 77.6#

182 0.0 2.2 3.2#

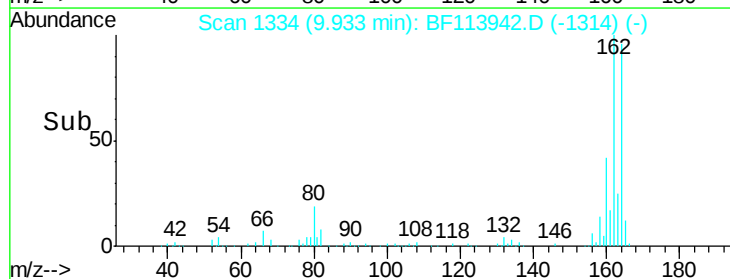
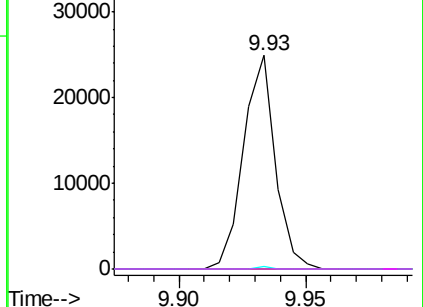


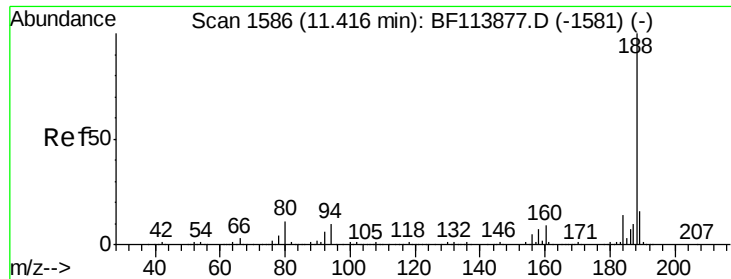
Abundance Ion 165.00 (164.70 to 165.70): E

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

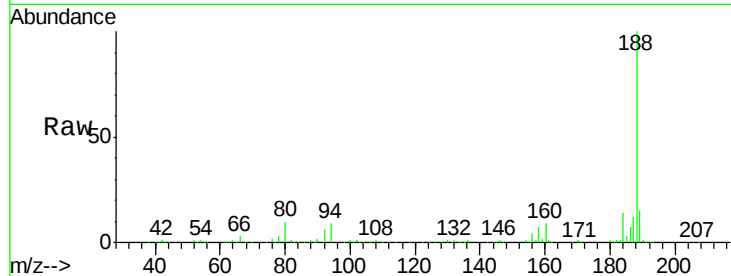




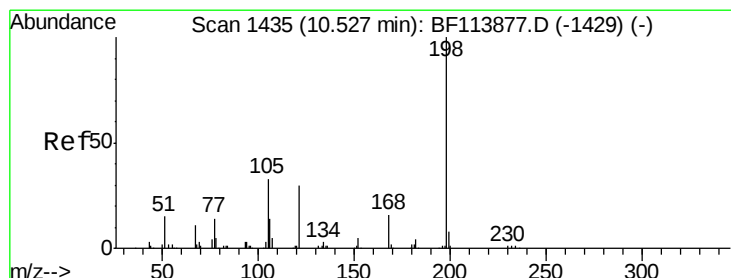
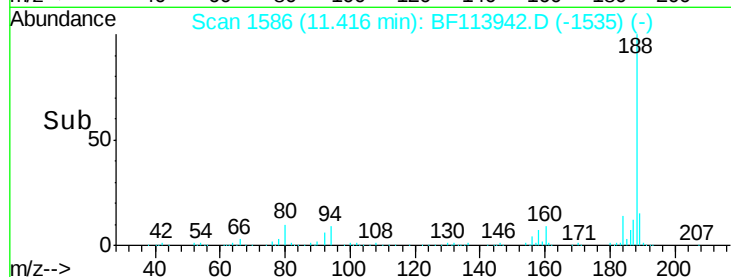
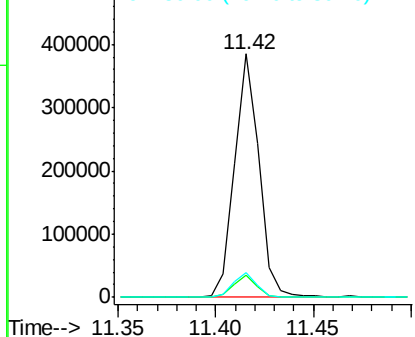
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF113942.D
Acq: 24 Apr 2019 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 335340
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.4
80 10.1 9.0 13.6

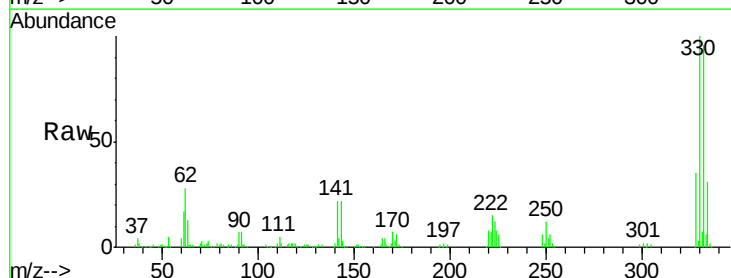


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

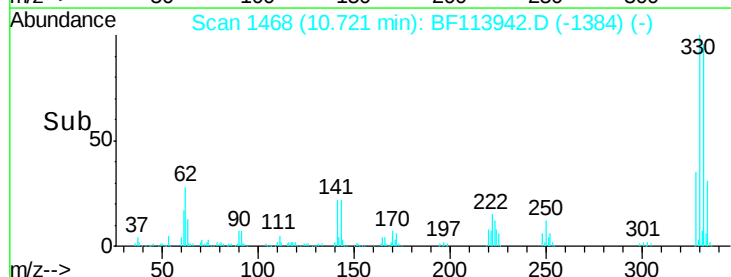
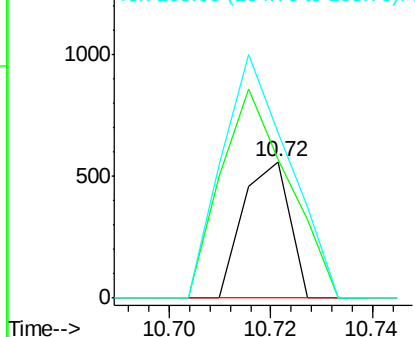


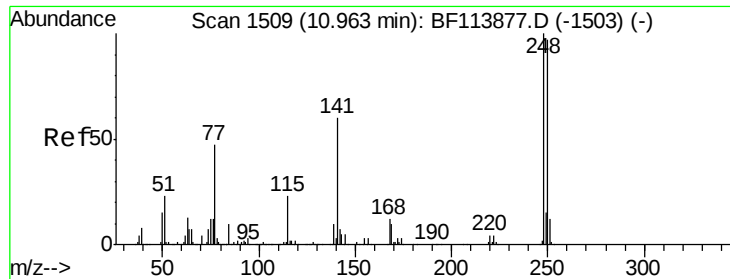
#65
4,6-Dinitro-2-methylphenol
Concen: 7.506 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.19 min
Lab File: BF113942.D
Acq: 24 Apr 2019 1:53

Tgt Ion:198 Resp: 359
Ion Ratio Lower Upper
198 100
51 102.0 11.1 51.1#
105 122.0 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

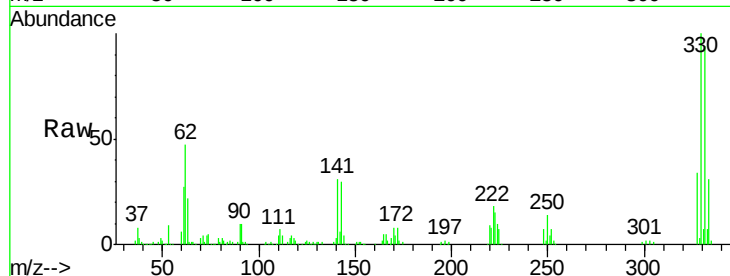




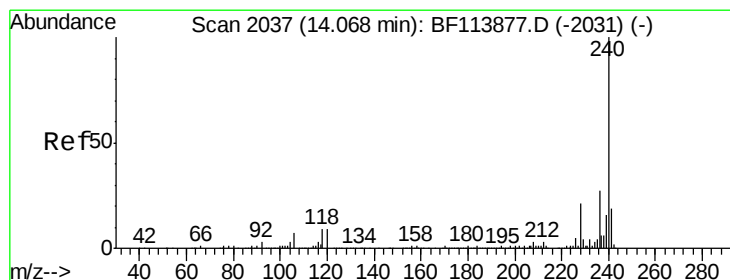
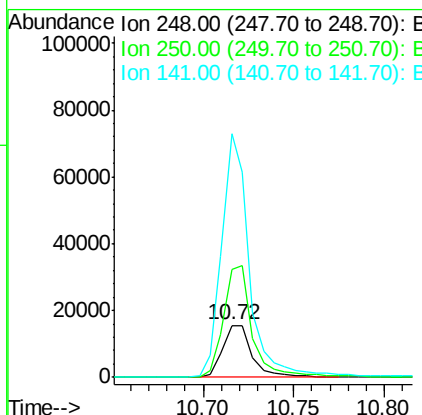
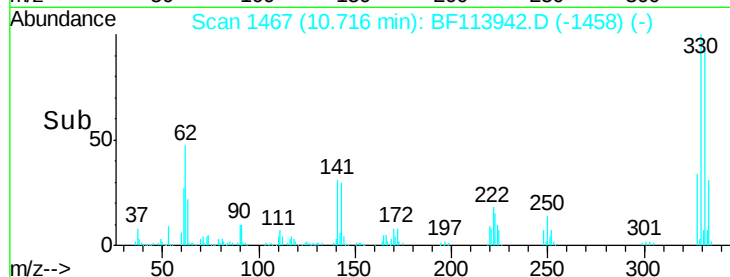
#67
 4-Bromophenyl-phenylether
 Concen: 4.413 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113942.D
 Acq: 24 Apr 2019 1:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 17876
 Ion Ratio Lower Upper
 248 100
 250 206.5 75.8 113.6#
 141 466.6 50.2 75.4#

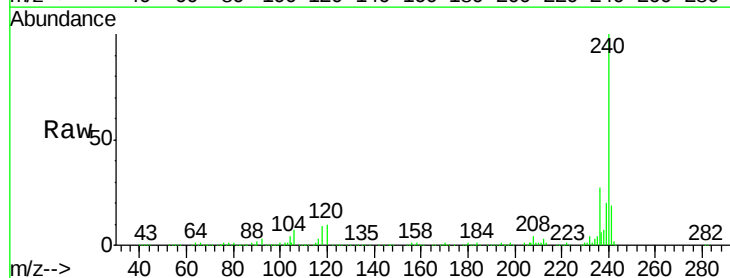


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

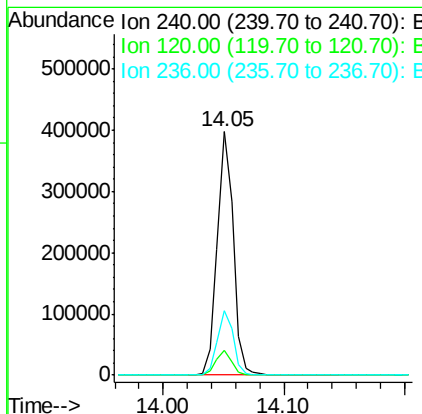
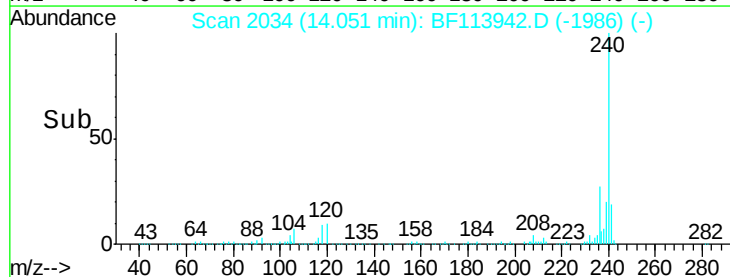


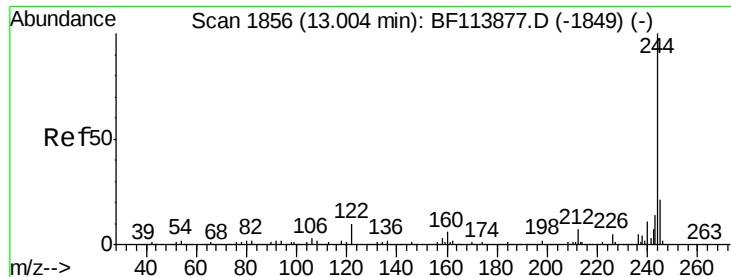
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF113942.D
 Acq: 24 Apr 2019 1:53

Tgt Ion:240 Resp: 360586
 Ion Ratio Lower Upper
 240 100
 120 10.4 9.3 13.9
 236 26.6 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: 84.269 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF113942.D

Acq: 24 Apr 2019 1:53

Instrument :

BNA_F

ClientSampleId :

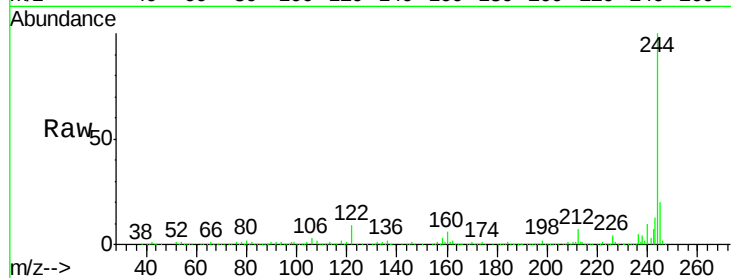
Tot Ion:244 Resp: 1482162

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

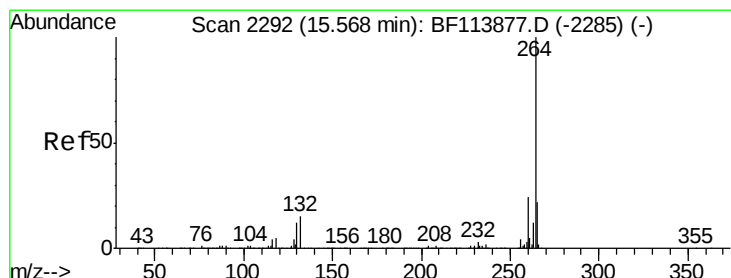
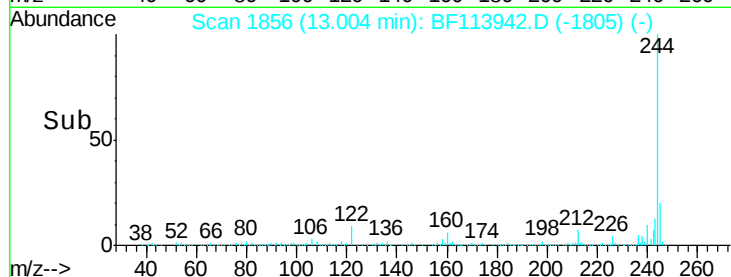
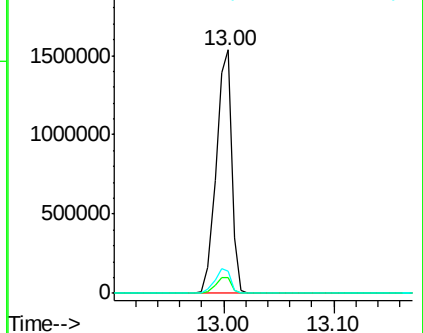
122 9.1 7.6 11.4



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: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF113942.D

Acq: 24 Apr 2019 1:53

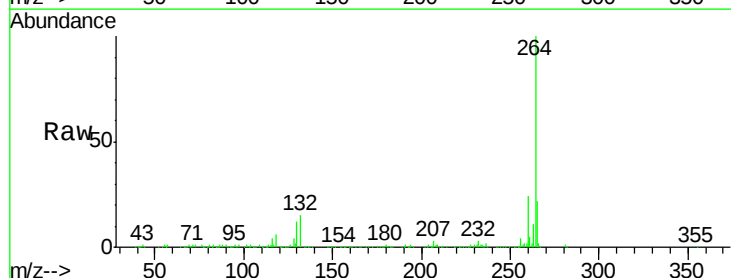
Tgt Ion:264 Resp: 301375

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 22.2 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

