

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051819\
 Data File : BF114413.D
 Acq On : 19 May 2019 2:19
 Operator : JU/SJ
 Sample : K2643-06
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 04:13:46 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

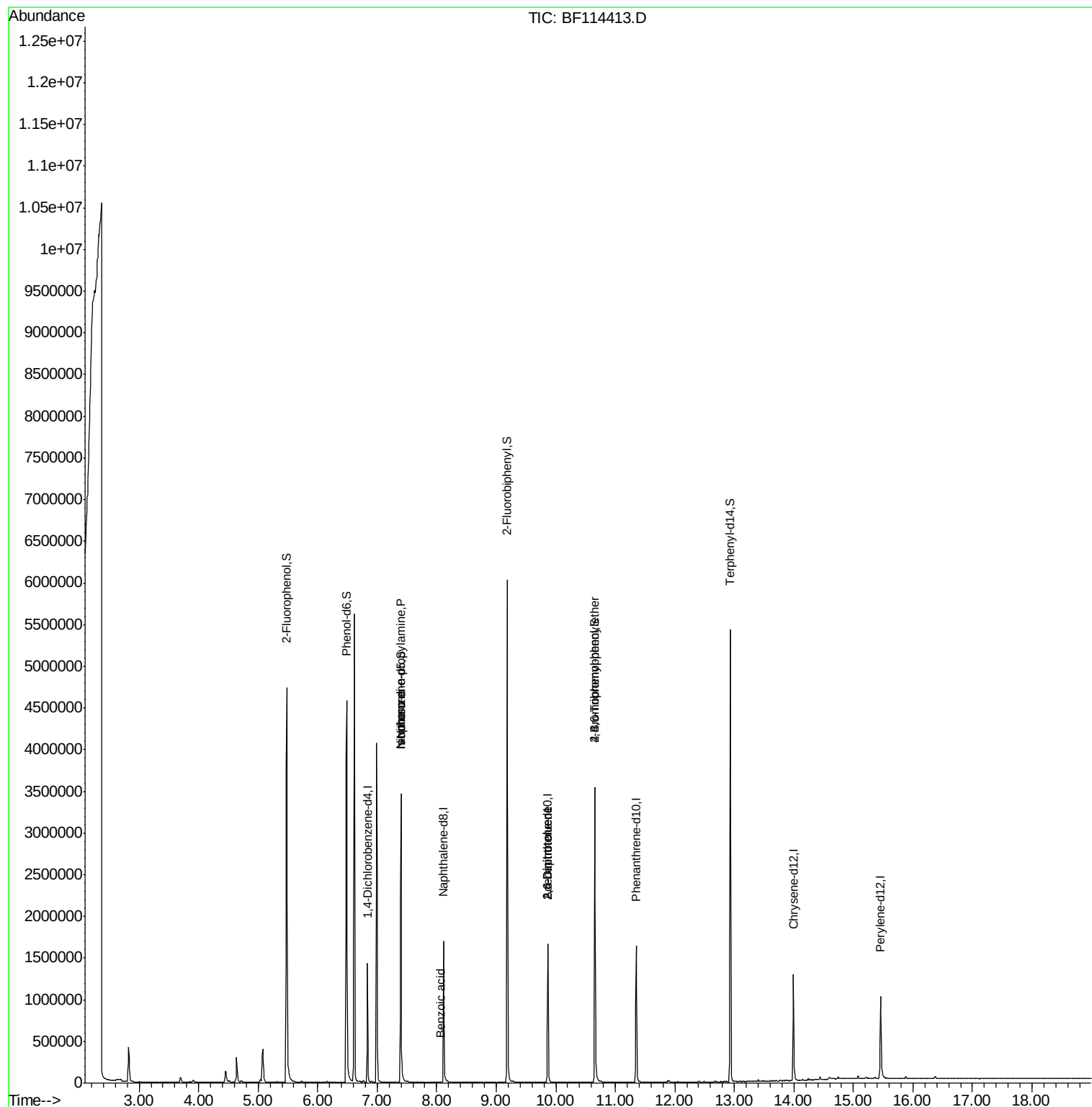
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	220710	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	828052	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	369294	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	666053	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	476763	20.00	ng	-0.03
87) Perylene-d12	15.46	264	514023	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1389530	101.31	ng	0.00
7) Phenol-d6	6.49	99	1696563	104.59	ng	0.00
23) Nitrobenzene-d5	7.40	82	1174956	79.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	452453	118.51	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1903508	77.97	ng	-0.02
79) Terphenyl-d14	12.93	244	1934718	83.65	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	153997	14.978	ng	# 75
25) Isophorone	7.40	82	1174947	42.937	ng	# 64
32) Benzoic acid	8.07	122	232	7.045	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	47661	7.926	ng	# 22
57) 2,4-Dinitrotoluene	9.87	165	47661	5.840	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	28441	3.878	ng	# 1

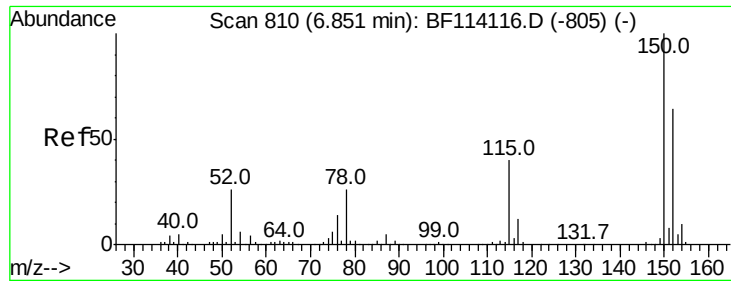
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration



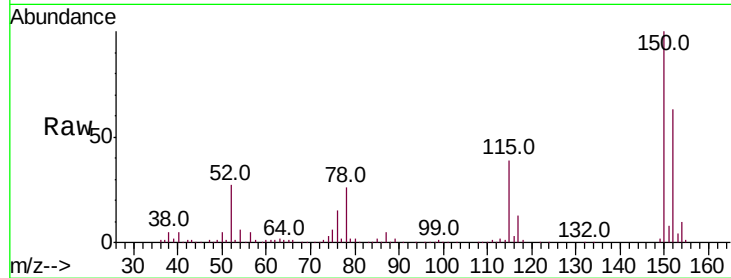


#1

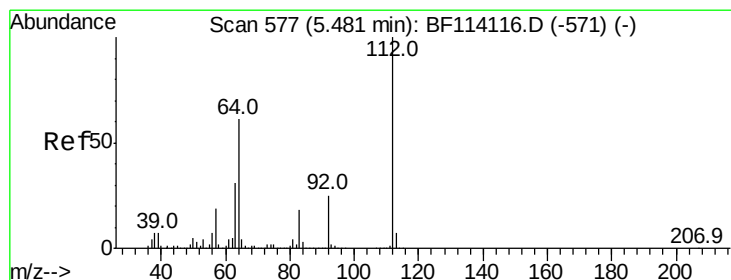
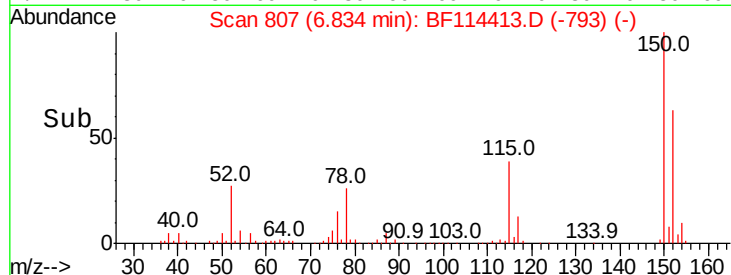
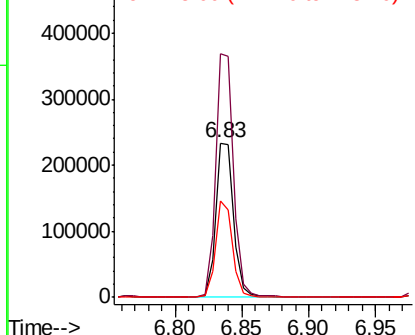
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114413.D
Acq: 19 May 2019 2:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 220710
Ion Ratio Lower Upper
152 100
150 157.8 124.3 186.5
115 62.1 49.1 73.7



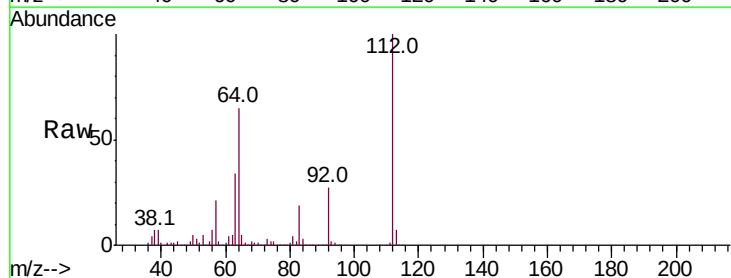
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



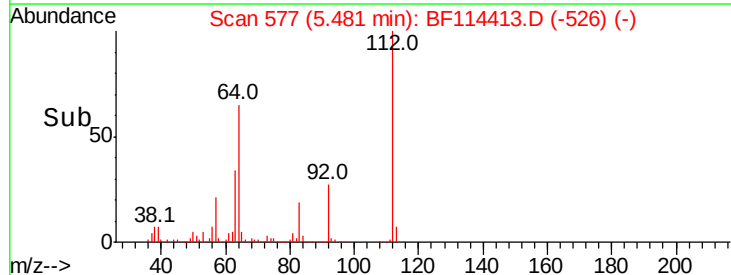
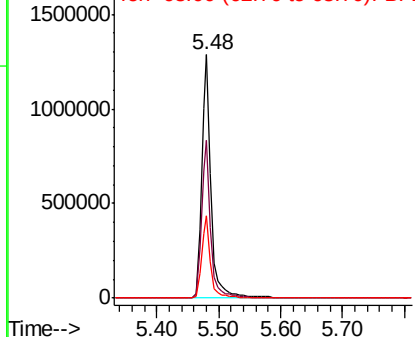
#5

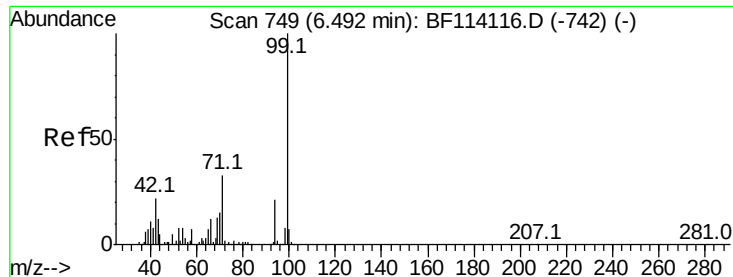
2-Fluorophenol
Concen: 101.315 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114413.D
Acq: 19 May 2019 2:19

Tgt Ion:112 Resp: 1389530
Ion Ratio Lower Upper
112 100
64 64.8 49.0 73.6
63 33.6 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: 104.590 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114413.D

Acq: 19 May 2019 2:19

Instrument :

BNA_F

ClientSampled :

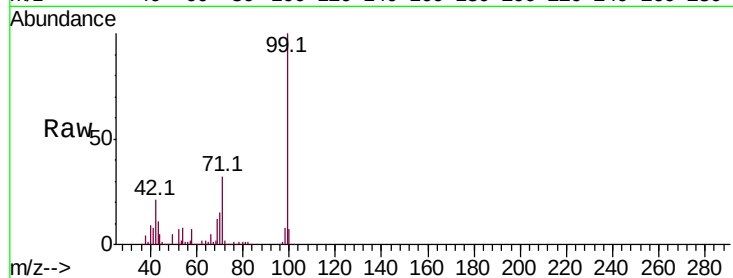
Tot Ion: 99 Resp: 1696563

Ion Ratio Lower Upper

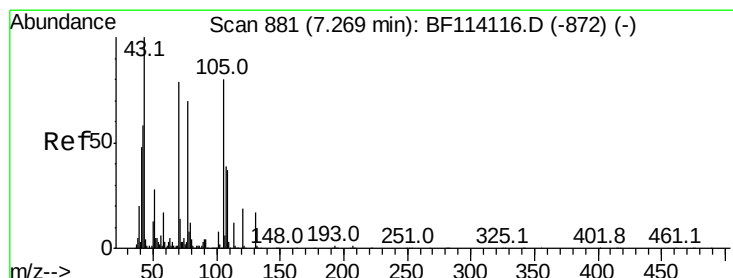
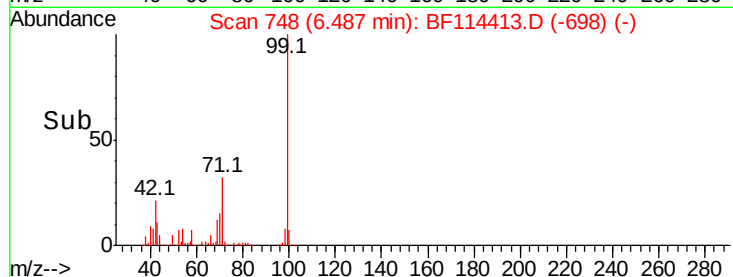
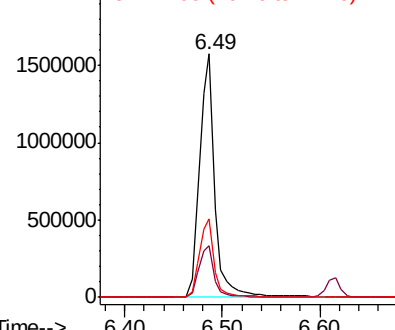
99 100

42 21.5 17.9 26.9

71 32.4 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: 14.978 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF114413.D

Acq: 19 May 2019 2:19

Tgt Ion: 70 Resp: 153997

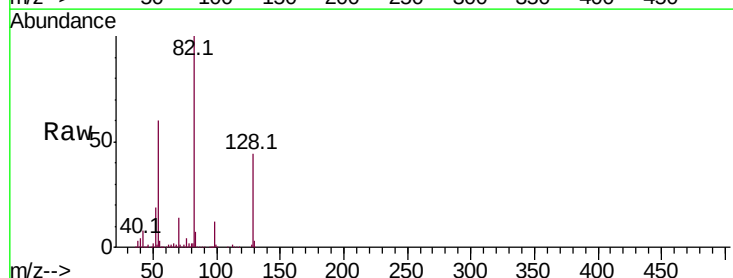
Ion Ratio Lower Upper

70 100

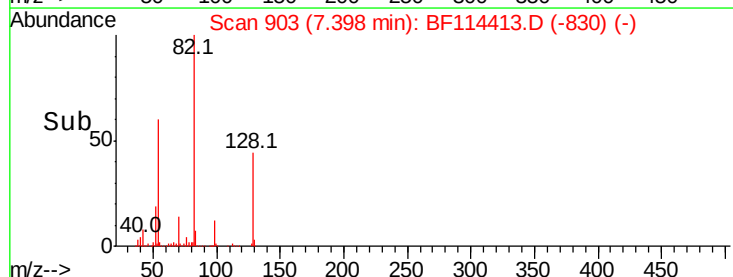
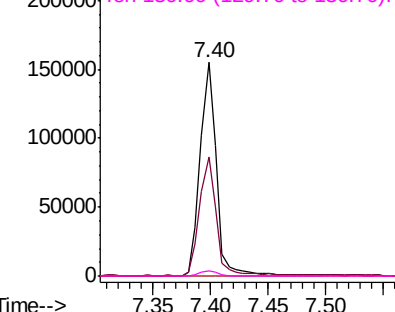
42 55.9 58.6 87.8#

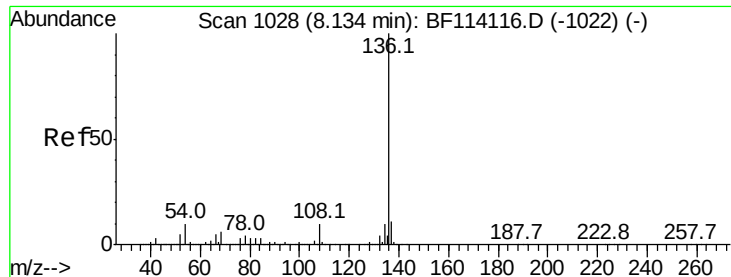
101 0.0 7.8 11.8#

130 2.4 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: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF114413.D

Acq: 19 May 2019 2:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 828052

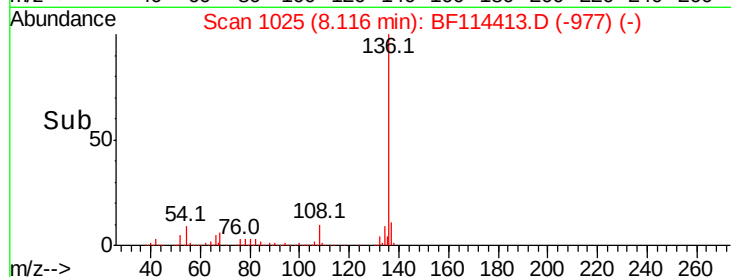
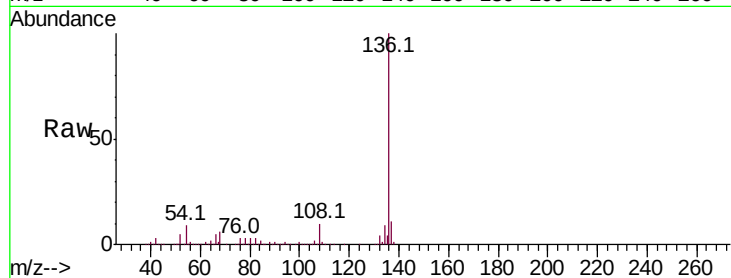
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.2 7.8 11.8

68 6.3 5.1 7.7

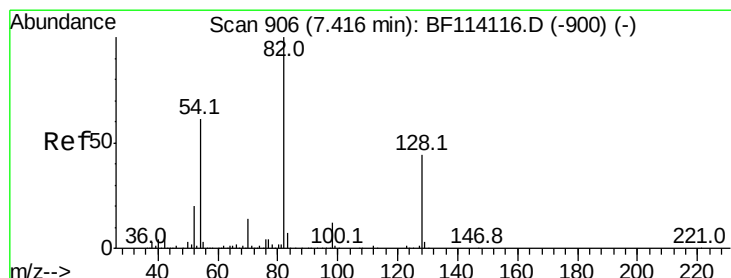
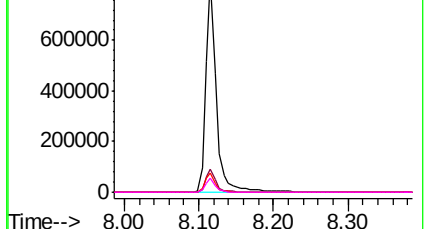


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.631 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF114413.D

Acq: 19 May 2019 2:19

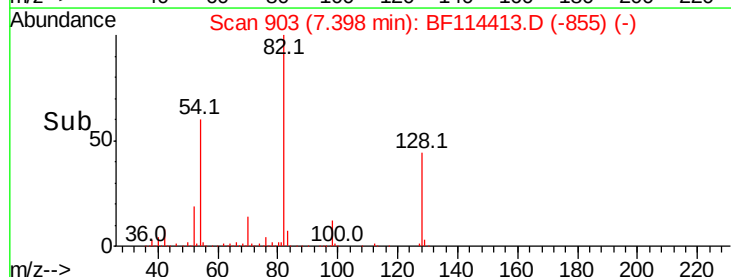
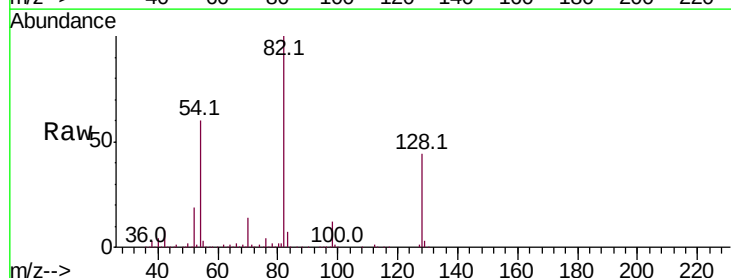
Tgt Ion: 82 Resp: 1174956

Ion Ratio Lower Upper

82 100

128 44.2 35.5 53.3

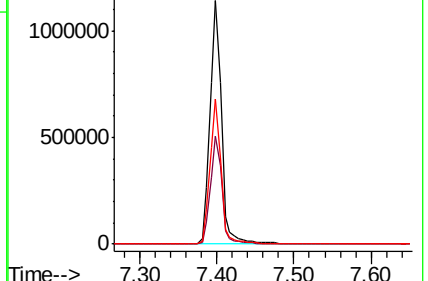
54 59.6 48.5 72.7

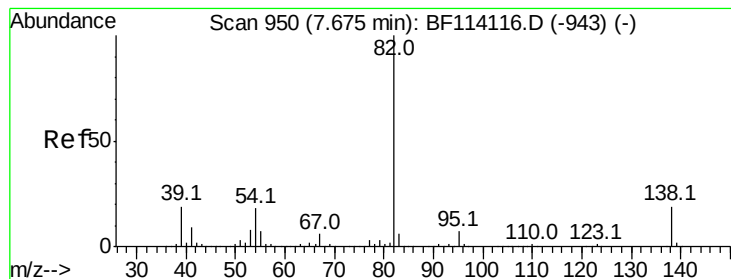


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.937 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF114413.D

Acq: 19 May 2019 2:19

Instrument :

BNA_F

ClientSampleId :

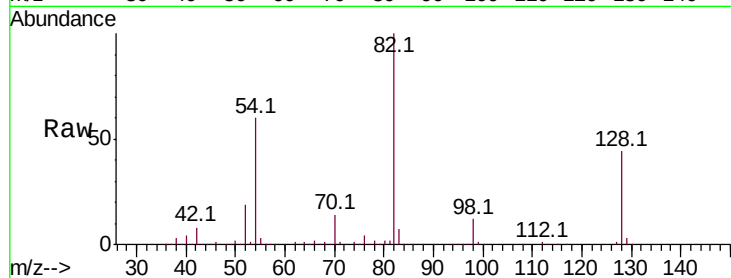
Tot Ion: 82 Resp: 1174947

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

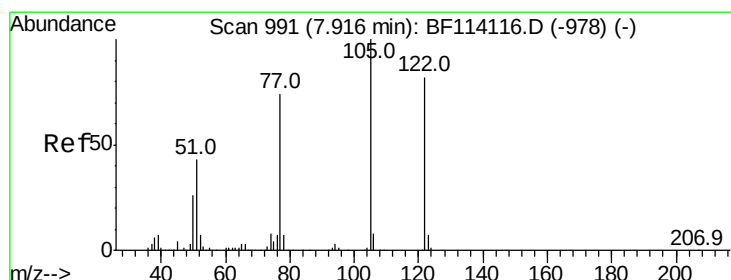
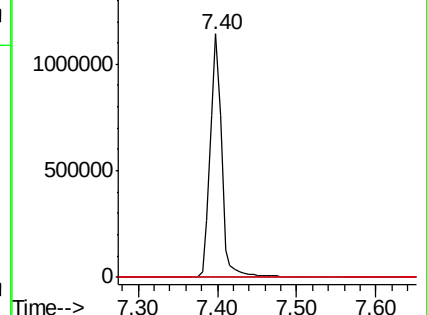
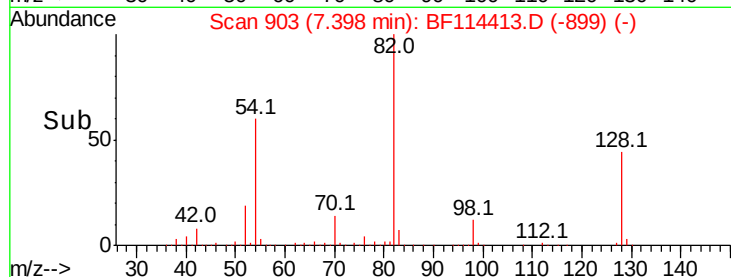
138 0.0 14.8 22.2#



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



#32

Benzoic acid

Concen: 7.045 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.15 min

Lab File: BF114413.D

Acq: 19 May 2019 2:19

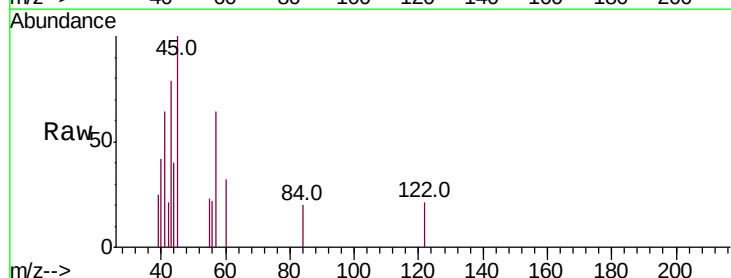
Tgt Ion: 122 Resp: 232

Ion Ratio Lower Upper

122 100

105 0.0 99.9 139.9#

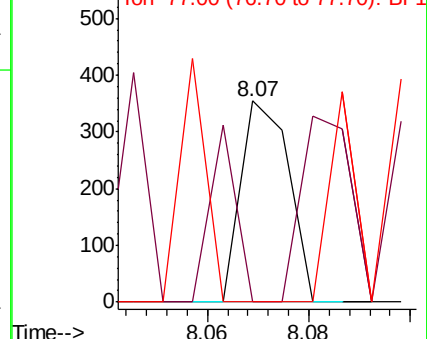
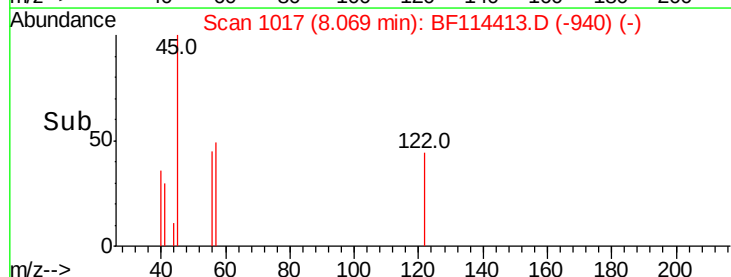
77 0.0 69.4 109.4#

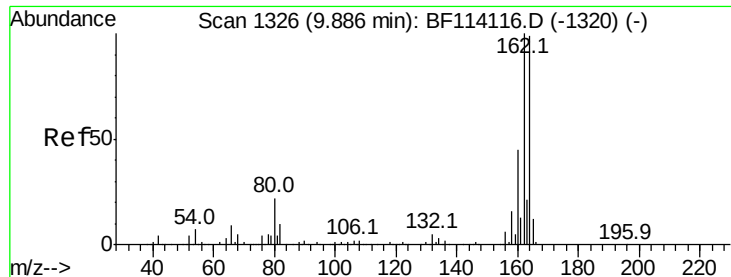


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

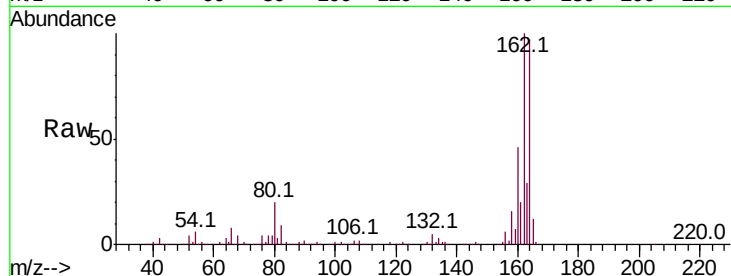




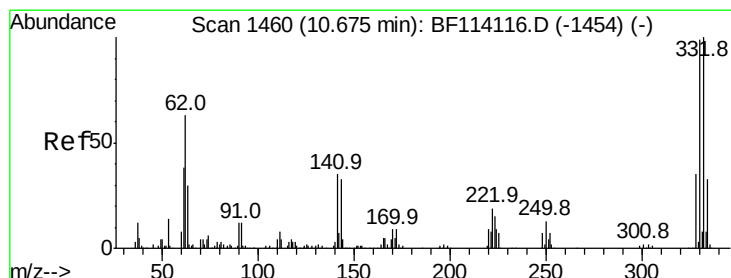
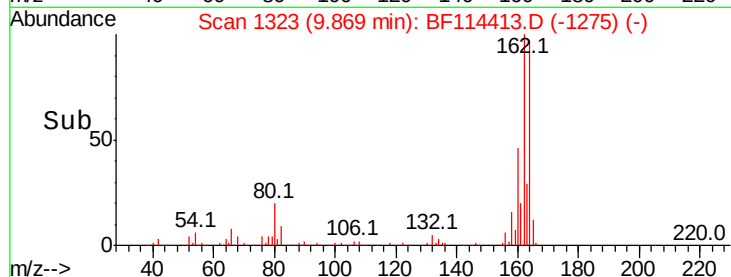
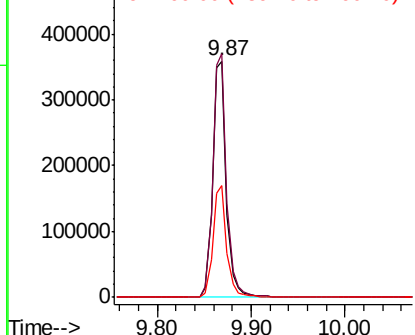
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF114413.D
 Acq: 19 May 2019 2:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.6	120.8
160	47.6	36.5	54.7

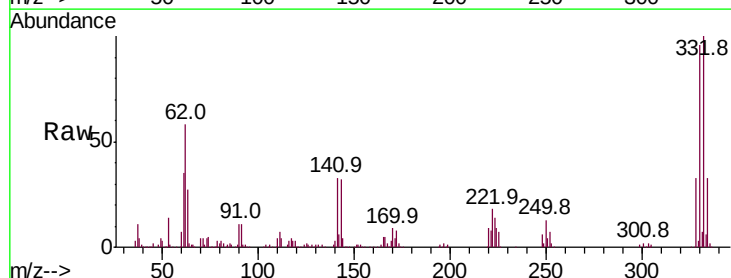


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

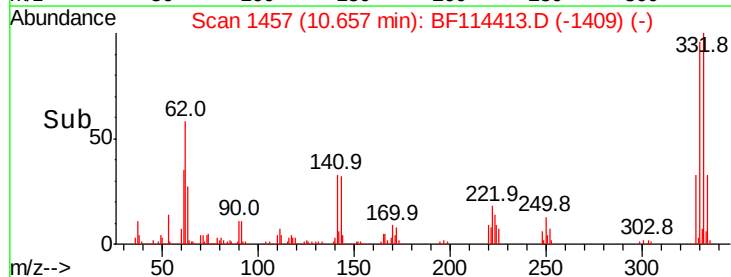
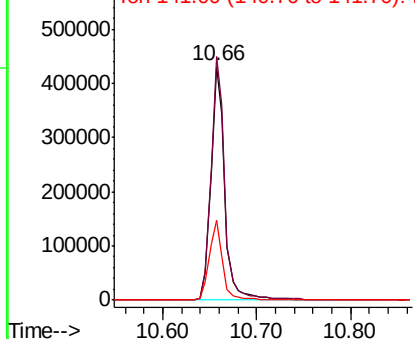


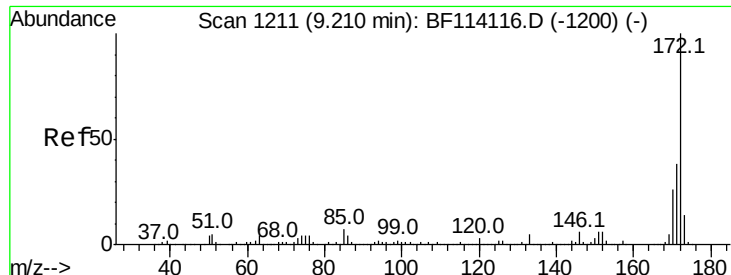
#42
 2,4,6-Tribromophenol
 Concen: 118.509 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF114413.D
 Acq: 19 May 2019 2:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.8	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



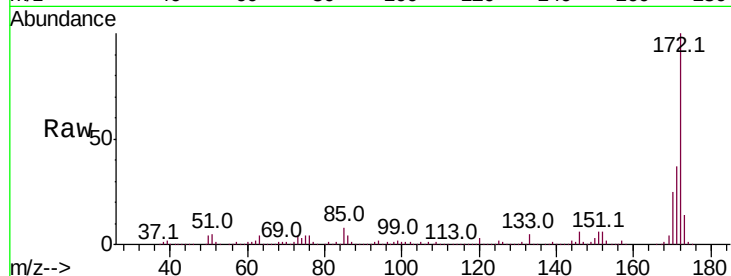


#45
 2-Fluorobiphenyl
 Concen: 77.970 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114413.D
 Acq: 19 May 2019 2:19

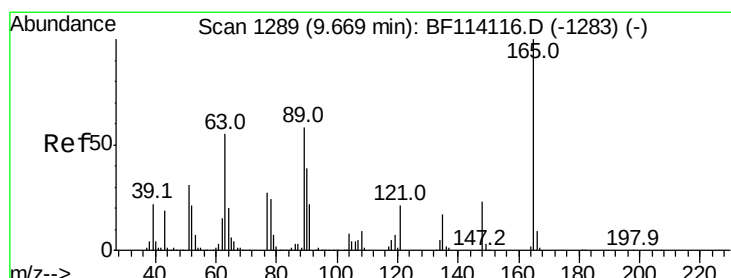
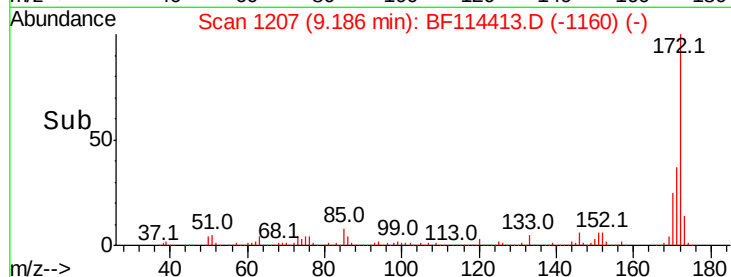
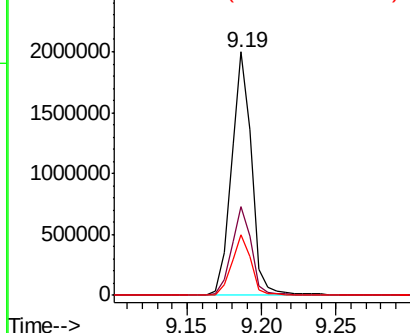
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1903508

Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.7	46.1
170	24.9	20.5	30.7



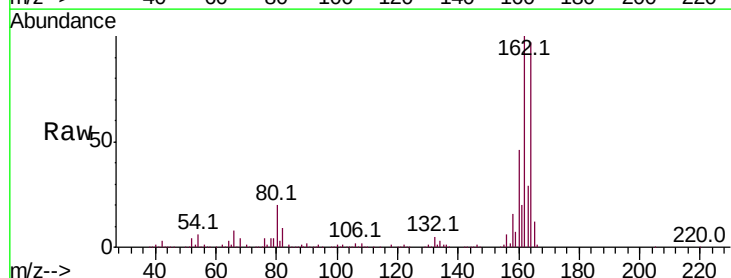
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



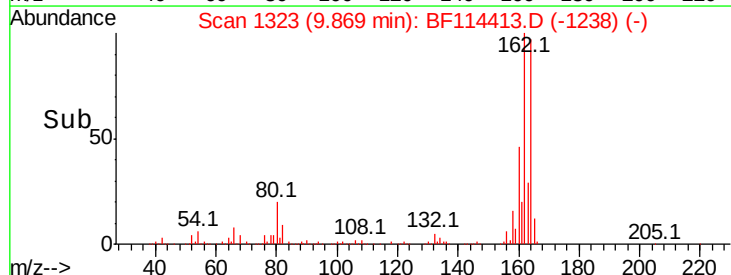
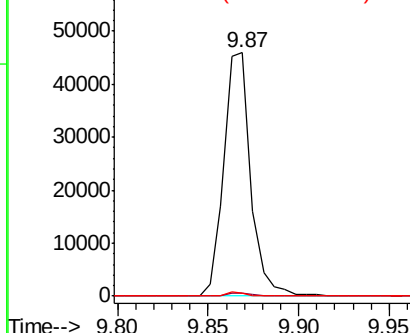
#51
 2,6-Dinitrotoluene
 Concen: 7.926 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF114413.D
 Acq: 19 May 2019 2:19

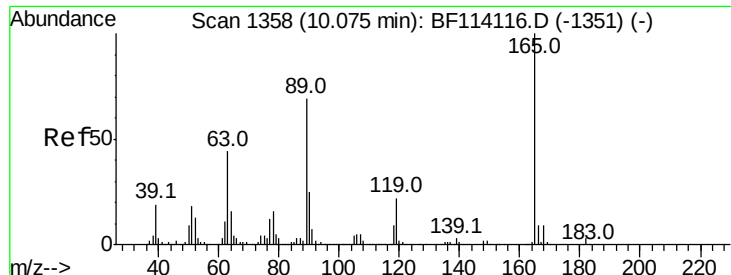
Tgt Ion:165 Resp: 47661

Ion	Ratio	Lower	Upper
165	100		
63	1.4	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

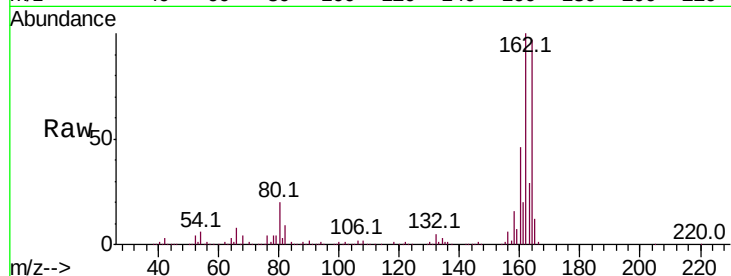




#57
 2,4-Dinitrotoluene
 Concen: 5.840 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF114413.D
 Acq: 19 May 2019 2:19

Instrument :
 BNA_F
 ClientSampleId :

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

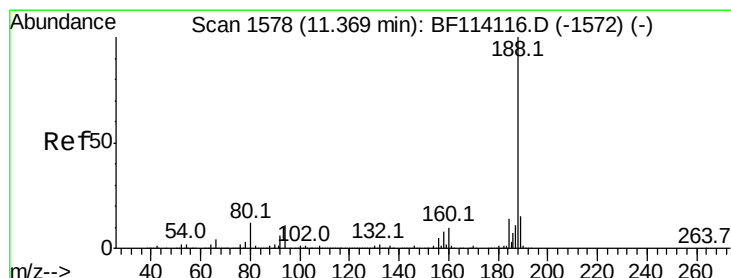
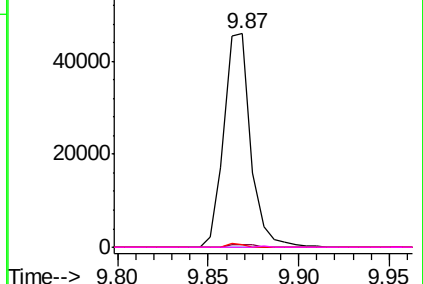
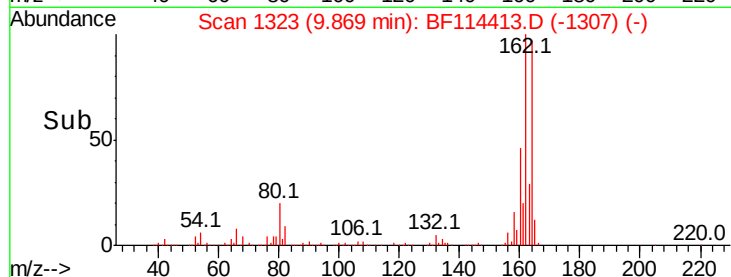


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

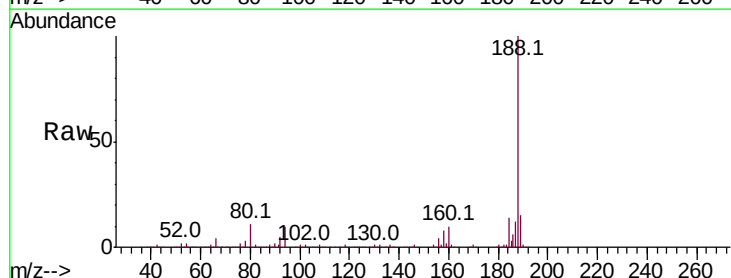
Ion 89.00 (88.70 to 89.70): BF1

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: BF114413.D
 Acq: 19 May 2019 2:19

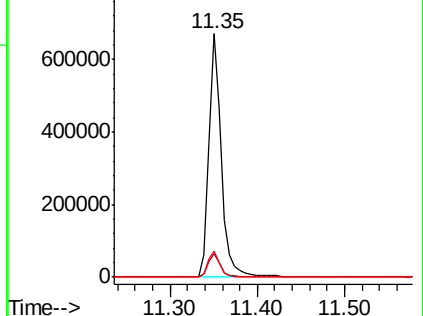
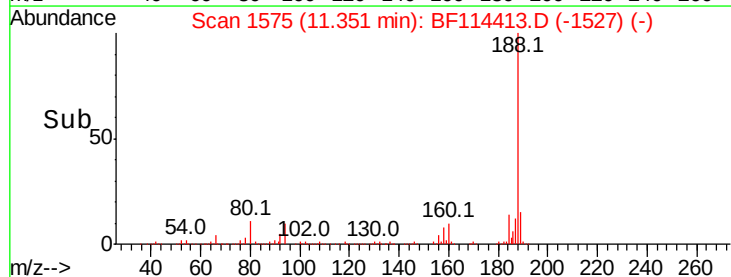
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.4	12.6
80	10.5	9.2	13.8

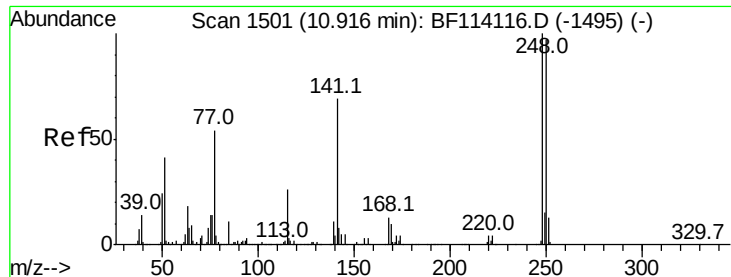


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

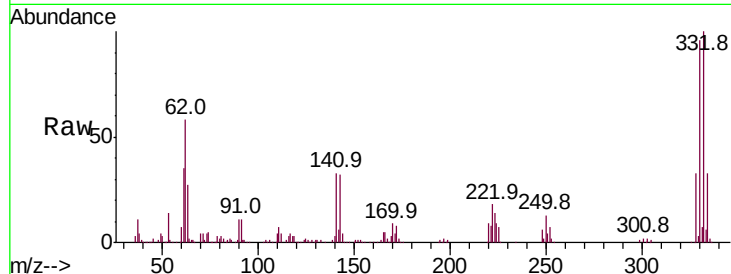




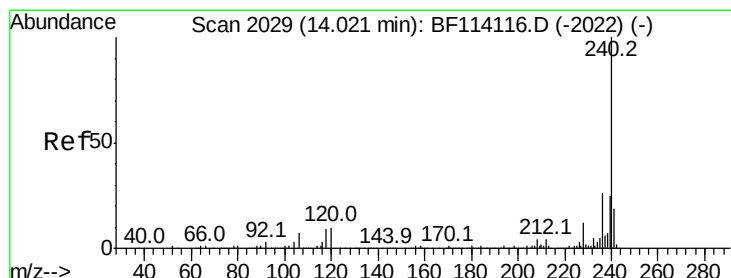
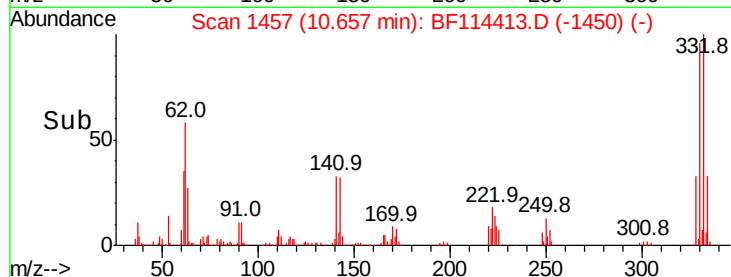
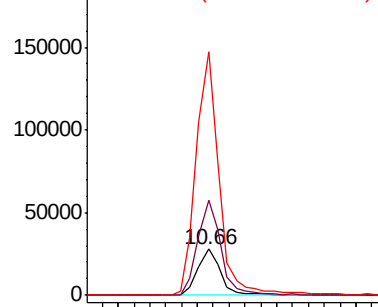
#67
4-Bromophenyl-phenylether
Concen: 3.878 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.26 min
Lab File: BF114413.D
Acq: 19 May 2019 2:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 28441
Ion Ratio Lower Upper
248 100
250 203.8 77.4 116.2#
141 524.3 55.6 83.4#

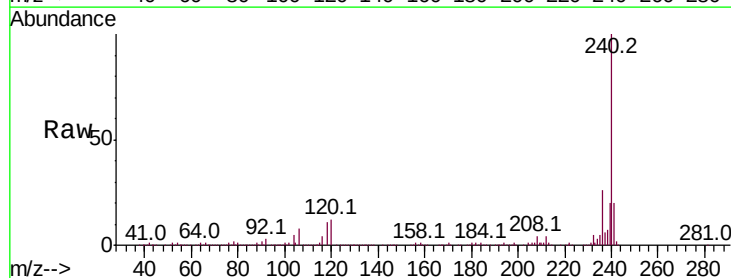


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

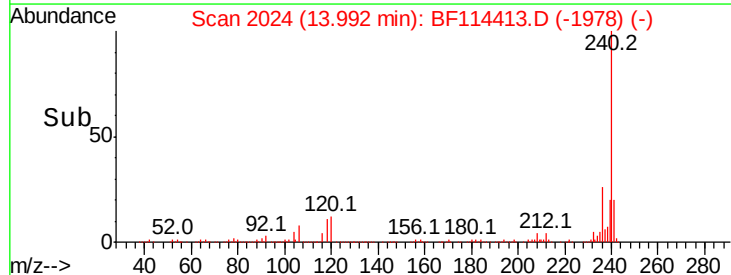
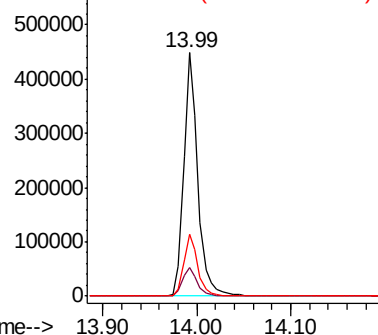


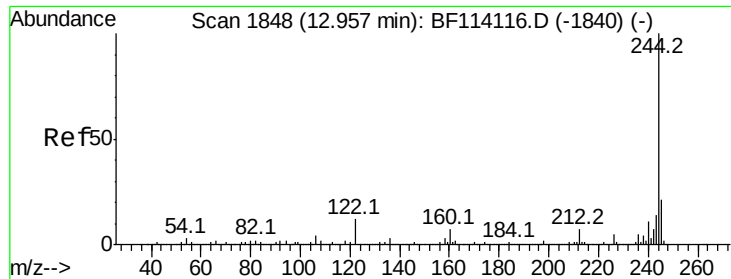
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.03 min
Lab File: BF114413.D
Acq: 19 May 2019 2:19

Tgt Ion:240 Resp: 476763
Ion Ratio Lower Upper
240 100
120 11.9 8.3 12.5
236 25.6 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





#79

Terphenyl-d14

Concen: 83.654 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF114413.D

Acq: 19 May 2019 2:19

Instrument :

BNA_F

ClientSampled :

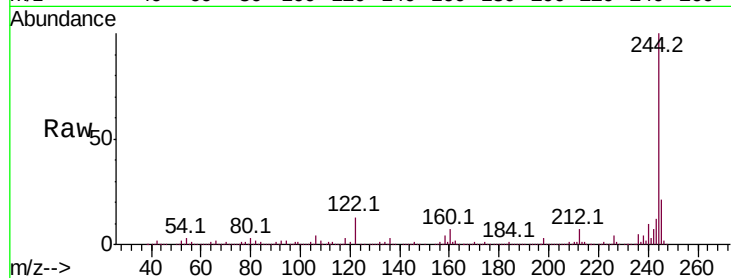
Tot Ion:244 Resp: 1934718

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

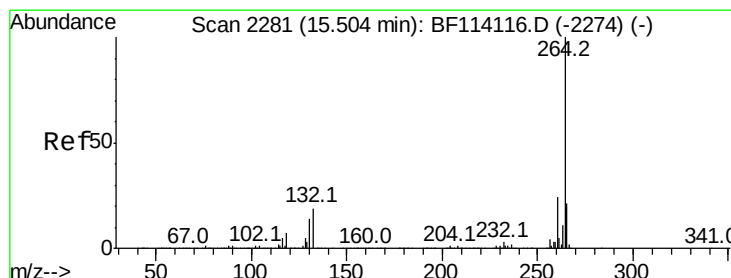
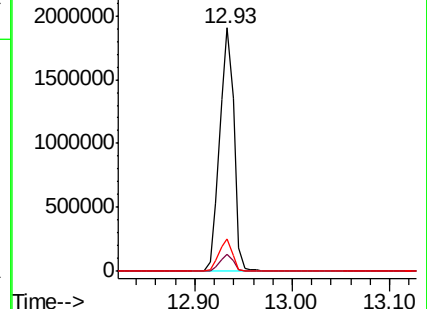
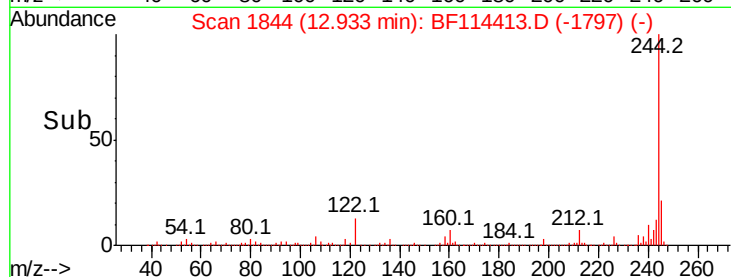
122 13.1 9.4 14.2



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: 15.46 min Scan# 2273

Delta R.T. -0.05 min

Lab File: BF114413.D

Acq: 19 May 2019 2:19

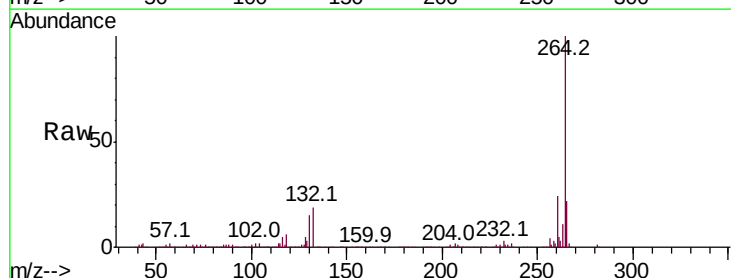
Tgt Ion:264 Resp: 514023

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

265 21.8 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

