

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114534.D
 Acq On : 23 May 2019 20:15
 Operator : JU/SJ
 Sample : K2935-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 24 07:19:00 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

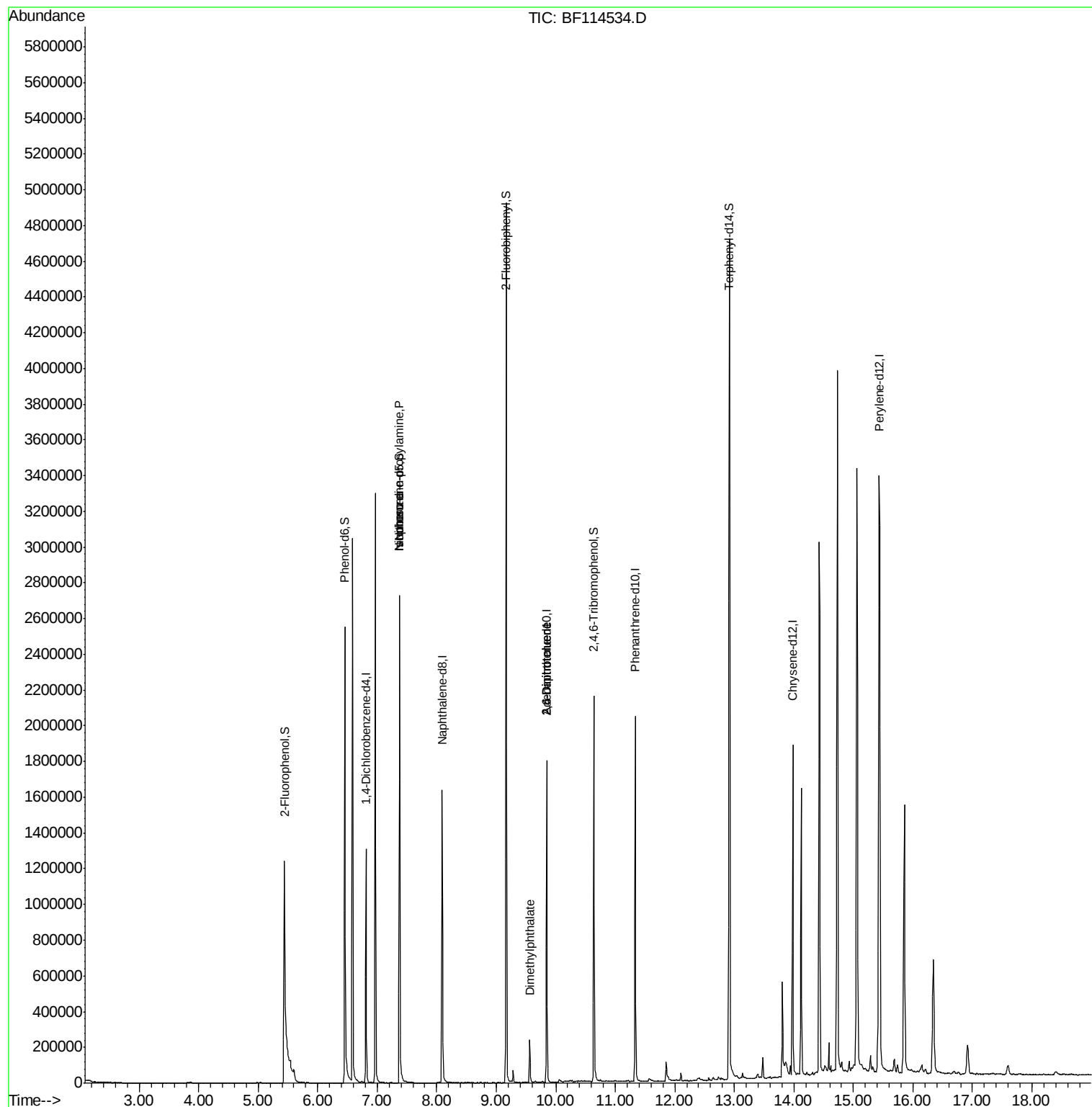
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	192229	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	746717	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	361271	20.00	ng	-0.03
64) Phenanthrene-d10	11.33	188	761602	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	659030	20.00	ng	-0.02
87) Perylene-d12	15.44	264	652876	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	762376	63.82	ng	-0.03
7) Phenol-d6	6.46	99	1003545	71.03	ng	-0.03
23) Nitrobenzene-d5	7.37	82	821871	61.77	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	250654	67.11	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1501228	62.86	ng	-0.02
79) Terphenyl-d14	12.92	244	1772348	55.44	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	107963	12.056	ng	# 75
25) Isophorone	7.37	82	821866	33.305	ng	# 64
50) Dimethylphthalate	9.56	163	98099	3.699	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	45727	7.774	ng	# 22
57) 2,4-Dinitrotoluene	9.85	165	45727	5.727	ng	# 25

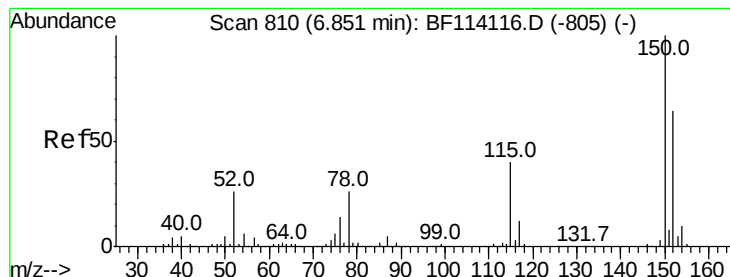
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



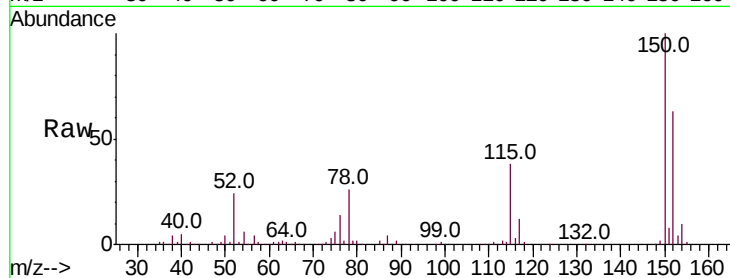


#1

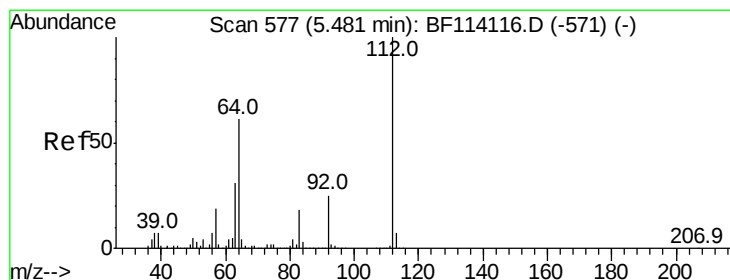
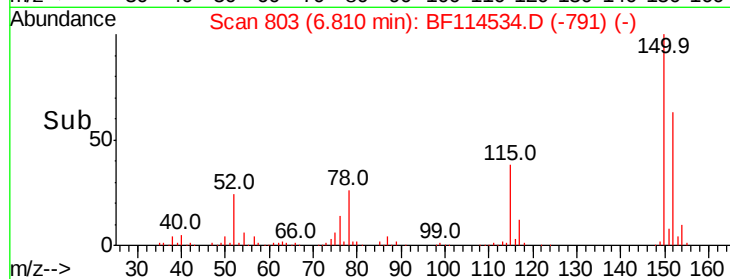
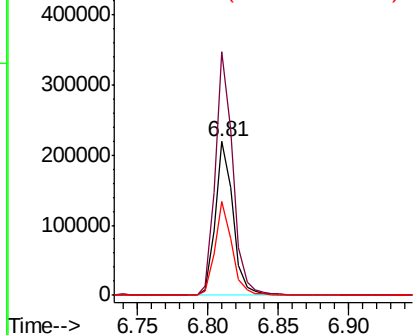
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF114534.D
Acq: 23 May 2019 20:15

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.3	186.5
115	61.0	49.1	73.7



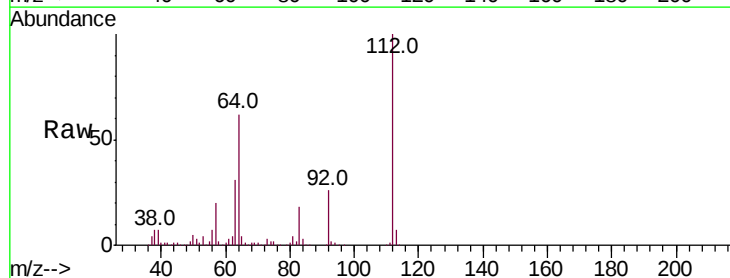
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



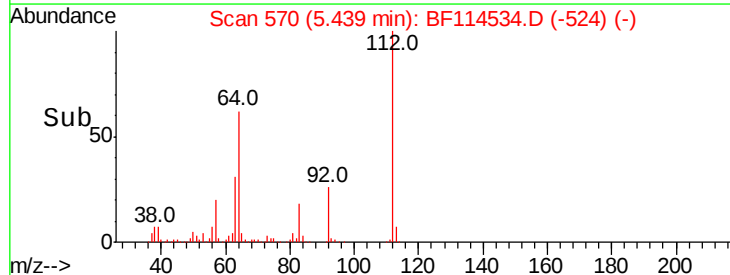
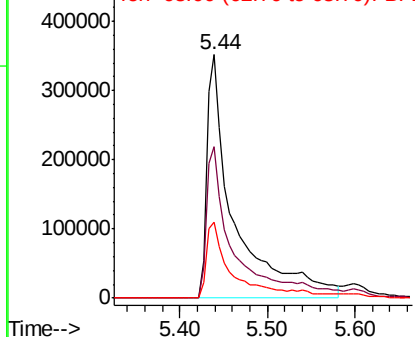
#5

2-Fluorophenol
Concen: 63.823 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF114534.D
Acq: 23 May 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.0	73.6
63	31.1	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: 71.033 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF114534.D

Acq: 23 May 2019 20:15

Instrument :

BNA_F

ClientSampleId :

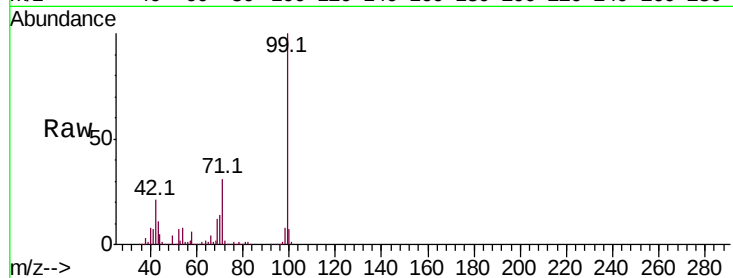
Tot Ion: 99 Resp: 1003545

Ion Ratio Lower Upper

99 100

42 20.6 17.9 26.9

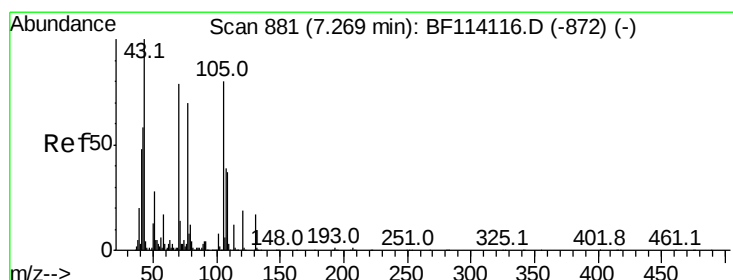
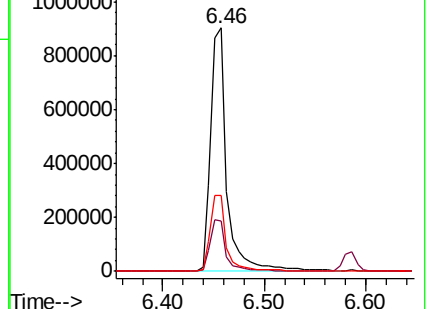
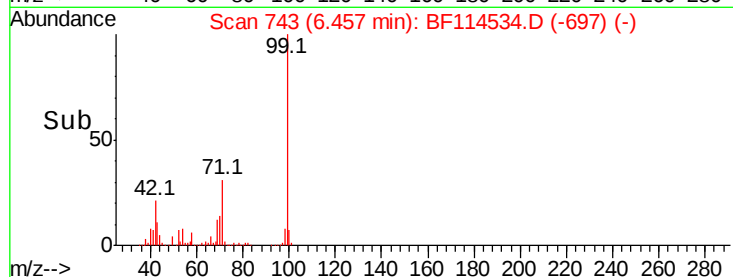
71 31.3 26.2 39.2



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: 12.056 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.12 min

Lab File: BF114534.D

Acq: 23 May 2019 20:15

Tgt Ion: 70 Resp: 107963

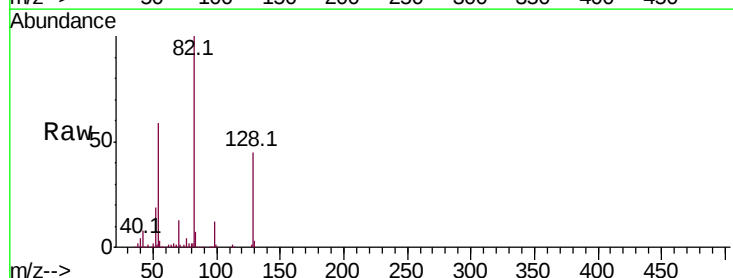
Ion Ratio Lower Upper

70 100

42 56.3 58.6 87.8#

101 0.0 7.8 11.8#

130 2.2 17.1 25.7#

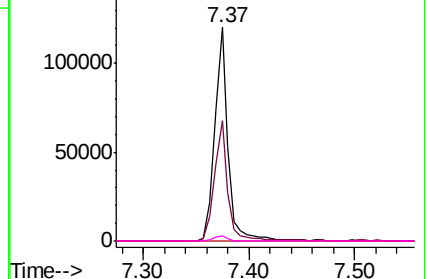
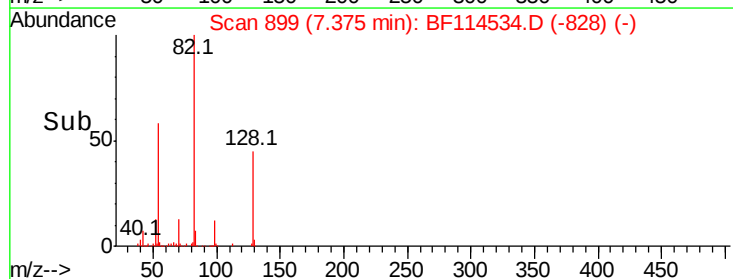


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

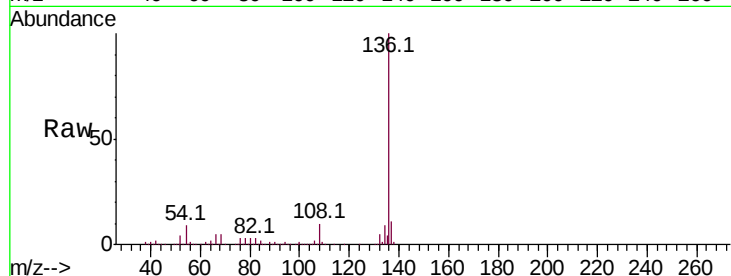
Delta R.T. -0.03 min

Lab File: BF114534.D

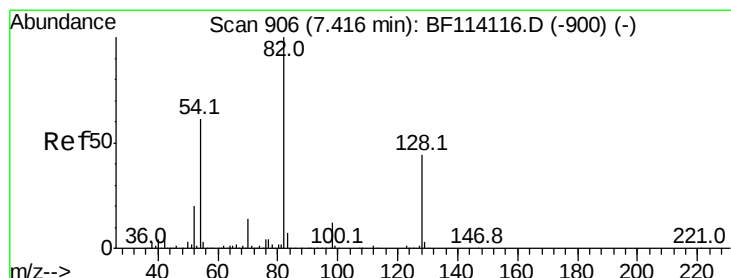
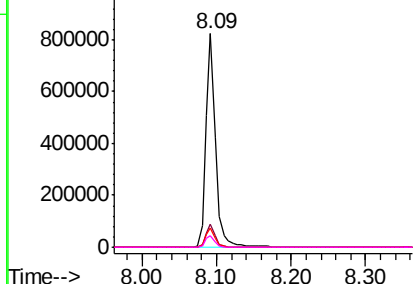
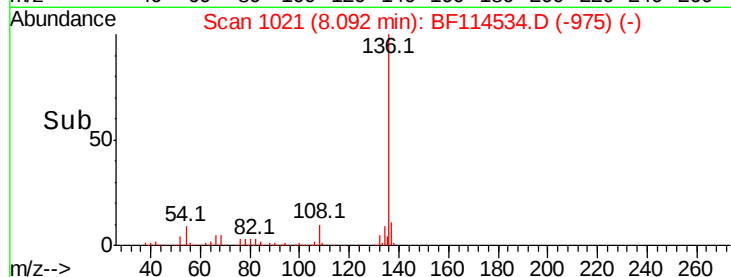
Acq: 23 May 2019 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	746717
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.8 13.2
54	9.1	7.8 11.8
68	5.3	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: 61.768 ng

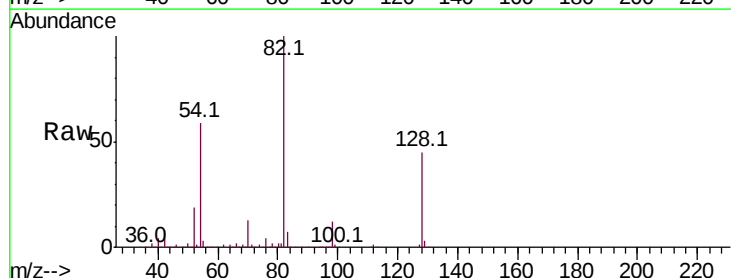
RT: 7.37 min Scan# 899

Delta R.T. -0.03 min

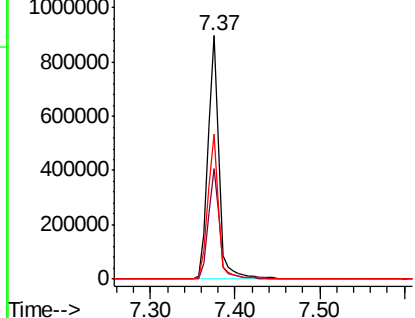
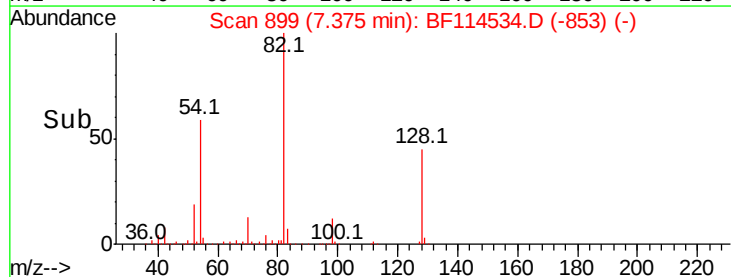
Lab File: BF114534.D

Acq: 23 May 2019 20:15

Tgt Ion: 82	Resp:	821871
Ion Ratio	Lower	Upper
82	100	
128	45.4	35.5 53.3
54	59.4	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: 33.305 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114534.D

Acq: 23 May 2019 20:15

Instrument :

BNA_F

ClientSampled :

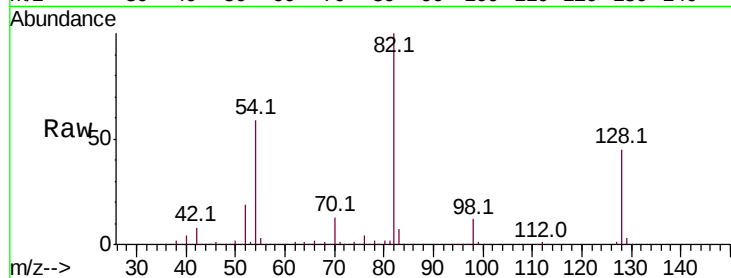
Tot Ion: 82 Resp: 821866

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

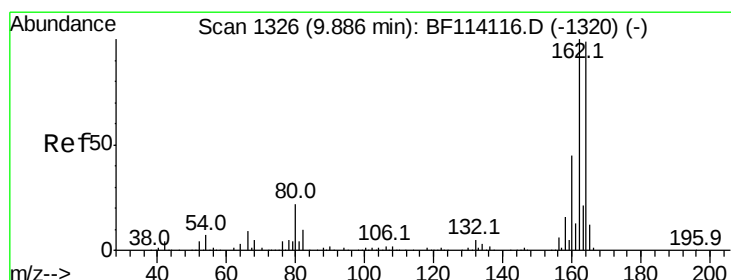
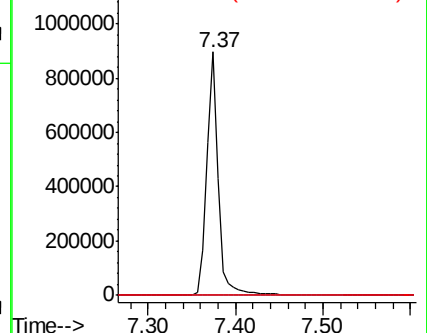
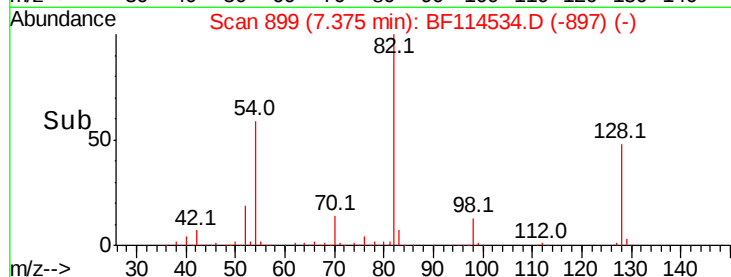
138 0.0 14.8 22.2#



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: BF114534.D

Acq: 23 May 2019 20:15

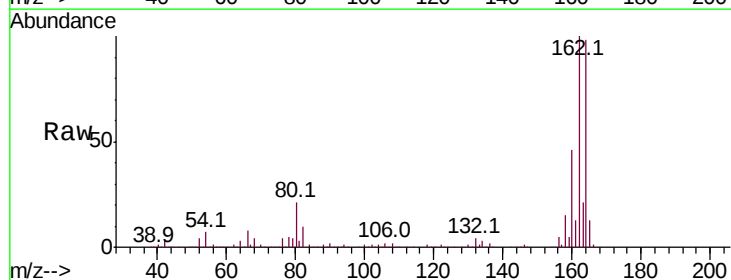
Tgt Ion:164 Resp: 361271

Ion Ratio Lower Upper

164 100

162 102.0 80.6 120.8

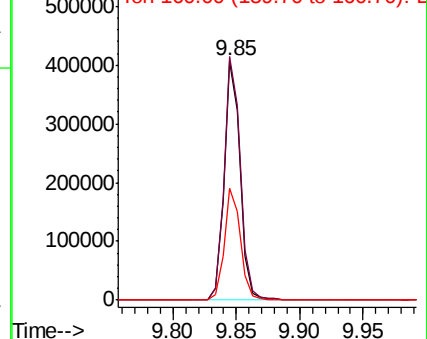
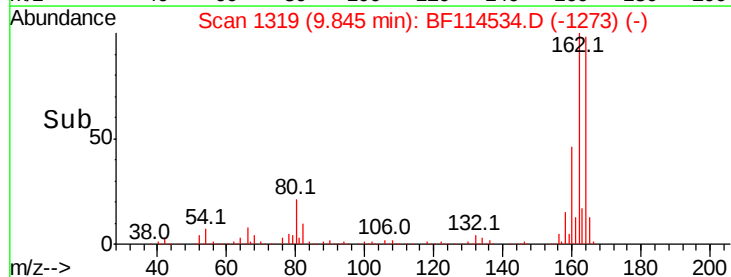
160 46.8 36.5 54.7

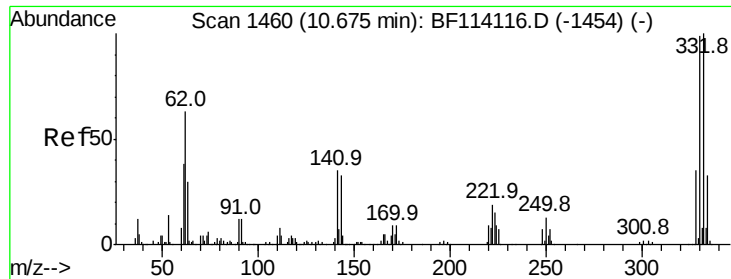


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 67.111 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BF114534.D

Acq: 23 May 2019 20:15

Instrument :

BNA_F

ClientSampleId :

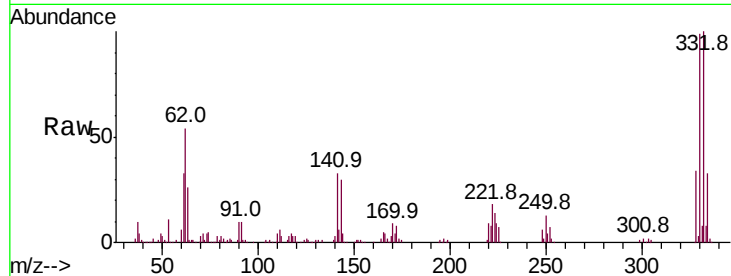
Tot Ion:330 Resp: 250654

Ion Ratio Lower Upper

330 100

332 103.1 81.4 122.2

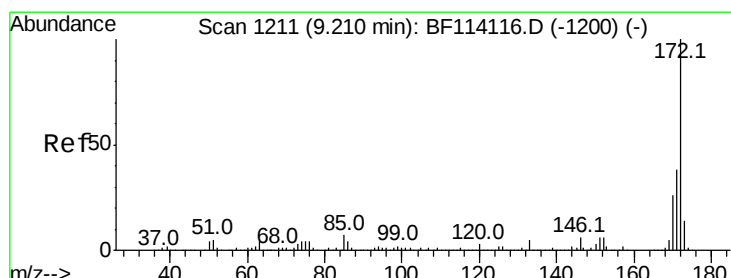
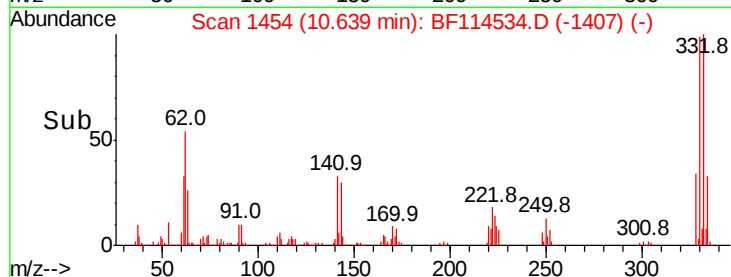
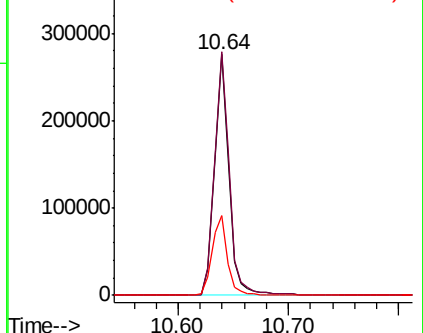
141 34.3 26.6 40.0



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: 62.857 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.02 min

Lab File: BF114534.D

Acq: 23 May 2019 20:15

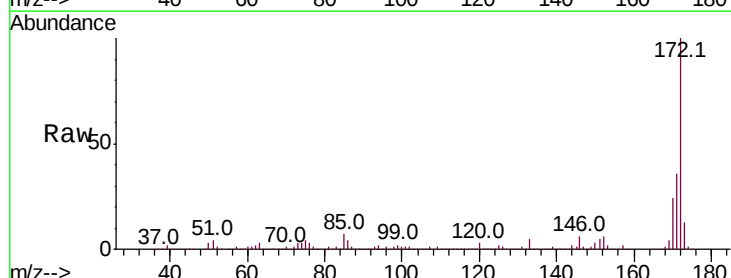
Tgt Ion:172 Resp: 1501228

Ion Ratio Lower Upper

172 100

171 36.0 30.7 46.1

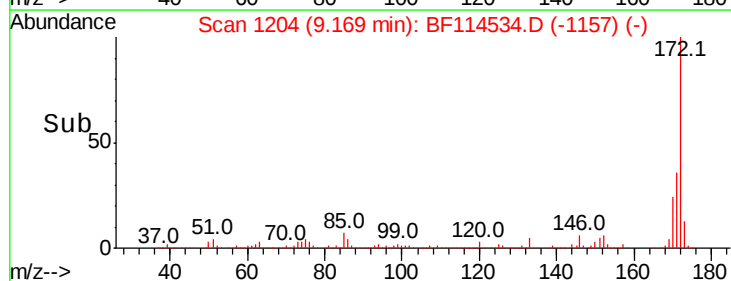
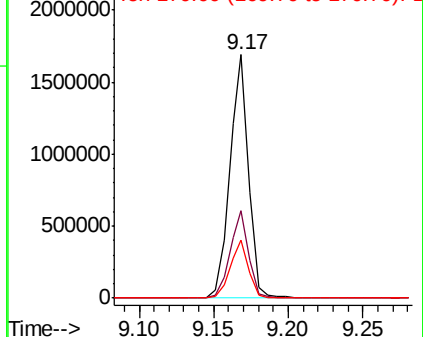
170 24.1 20.5 30.7

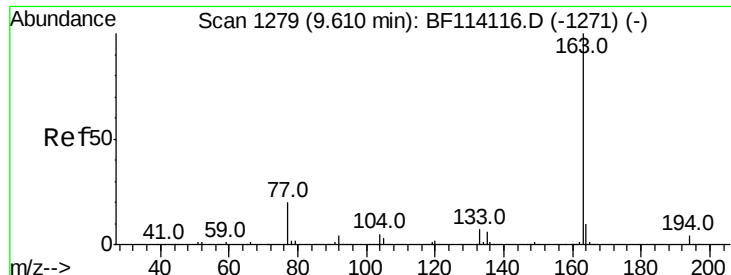


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.699 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.03 min

Lab File: BF114534.D

Acq: 23 May 2019 20:15

Instrument :
BNA_F
ClientSampleId :

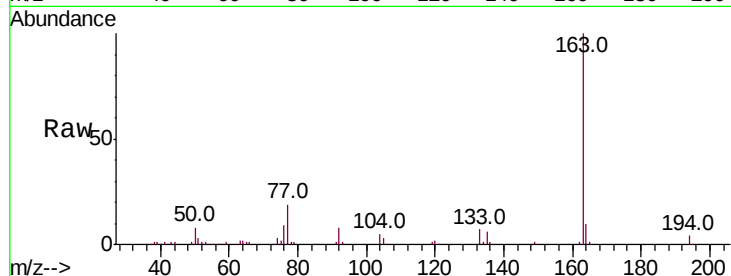
Tot Ion:163 Resp: 98099

Ion Ratio Lower Upper

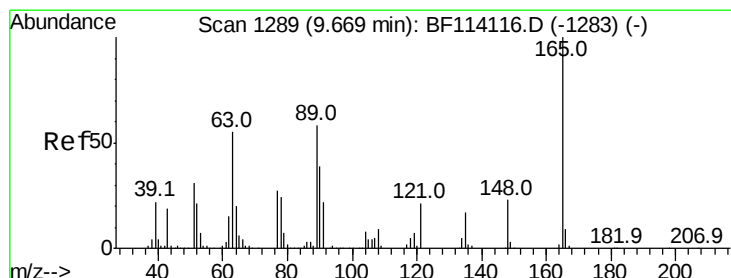
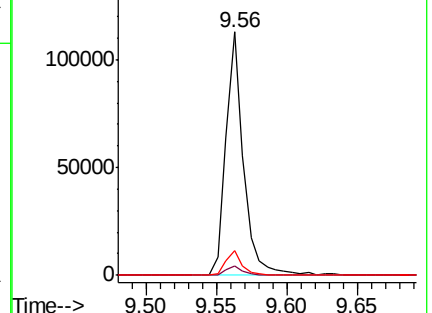
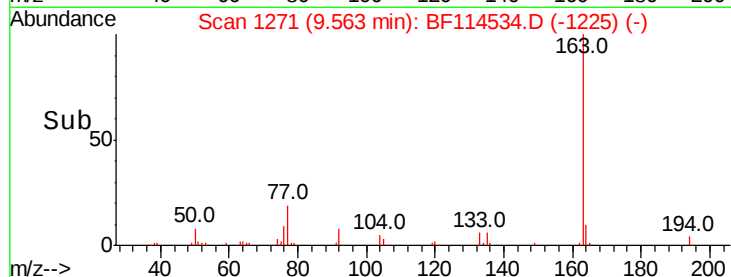
163 100

194 3.8 3.4 5.0

164 10.0 8.2 12.2



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



#51

2,6-Dinitrotoluene

Concen: 7.774 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.18 min

Lab File: BF114534.D

Acq: 23 May 2019 20:15

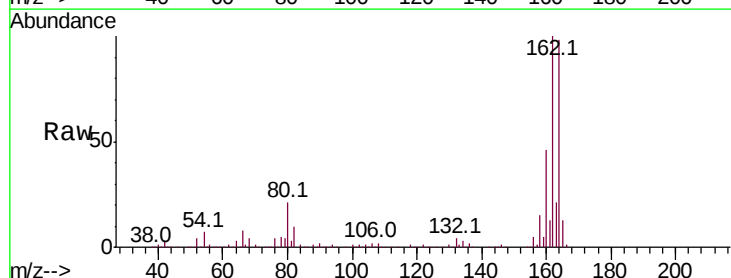
Tgt Ion:165 Resp: 45727

Ion Ratio Lower Upper

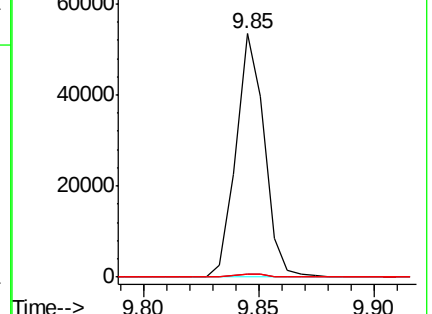
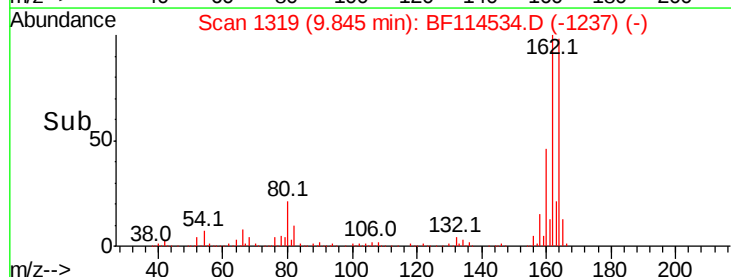
165 100

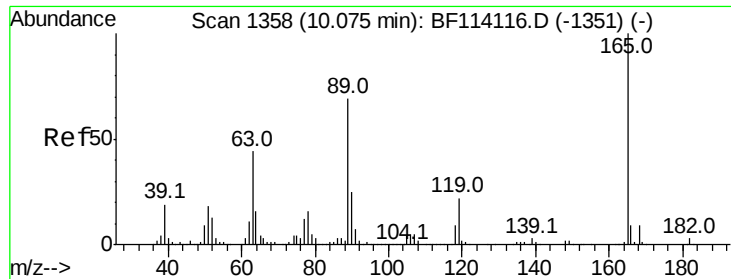
63 1.2 50.2 75.4#

89 1.2 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

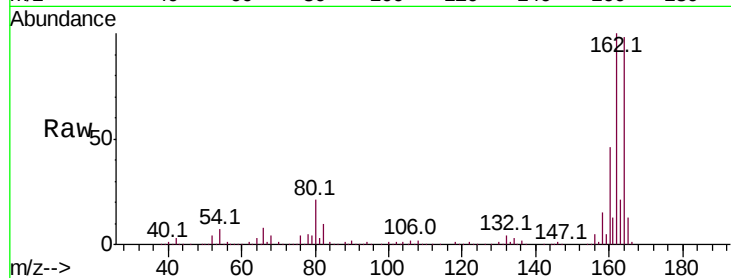




#57
 2,4-Dinitrotoluene
 Concen: 5.727 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.22 min
 Lab File: BF114534.D
 Acq: 23 May 2019 20:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	35.5	53.3#
89	1.2	55.2	82.8#
182	0.0	2.2	3.2#



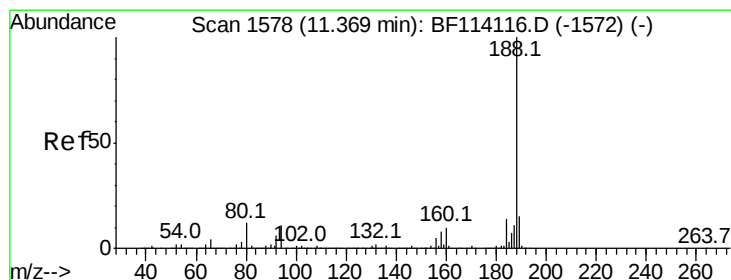
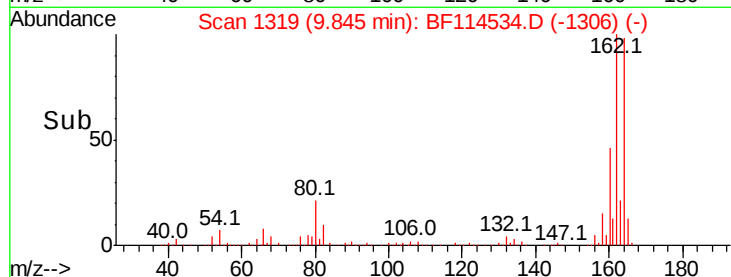
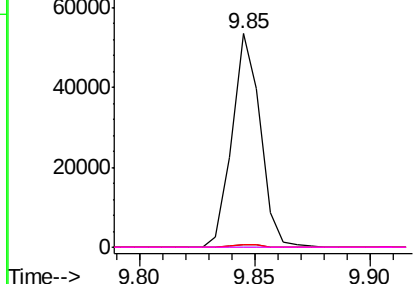
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

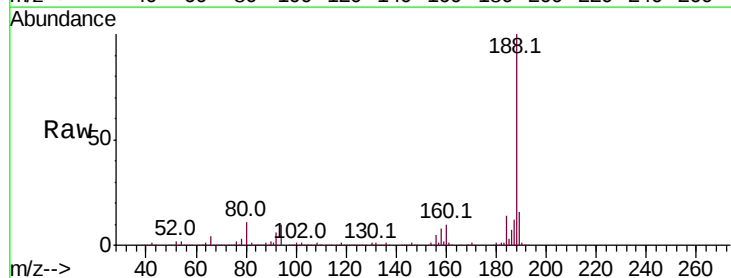
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF114534.D
 Acq: 23 May 2019 20:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.4	12.6
80	10.9	9.2	13.8

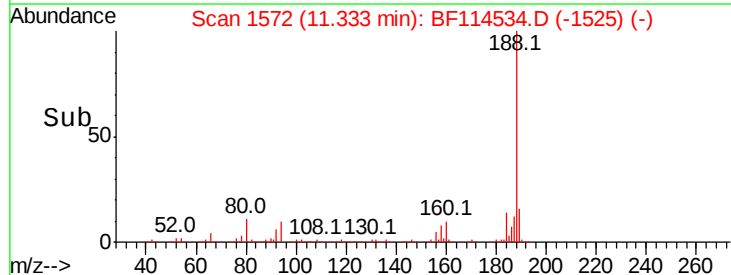
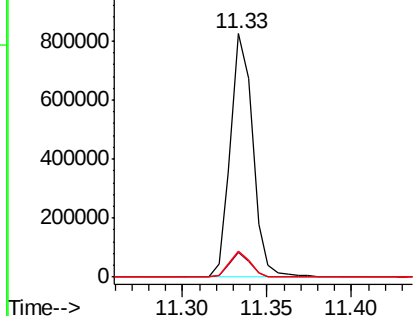


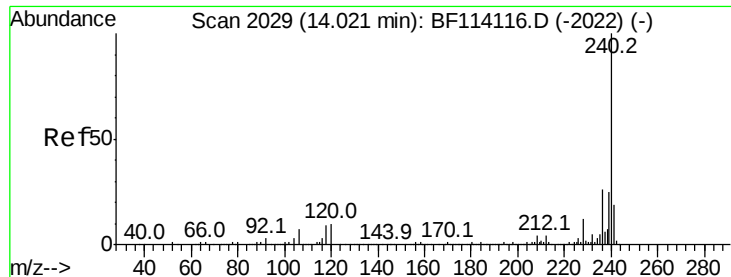
Abundance

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

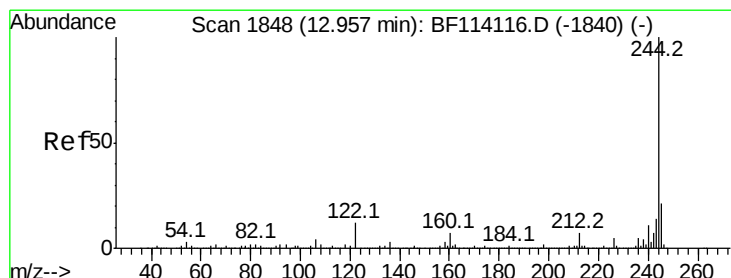
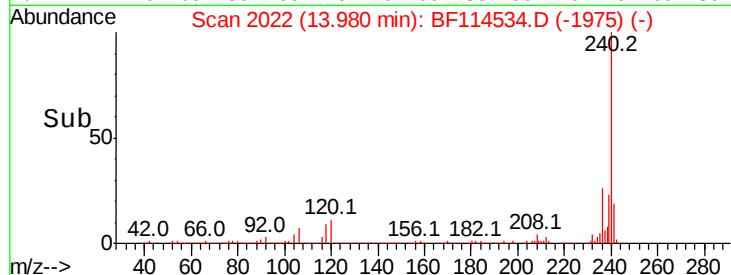
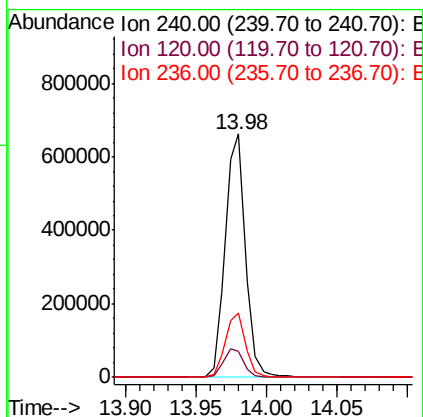
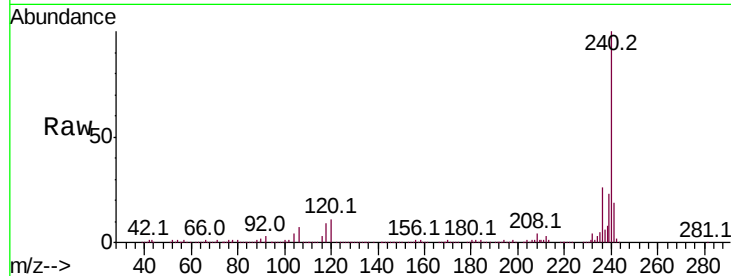




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.02 min
 Lab File: BF114534.D
 Acq: 23 May 2019 20:15

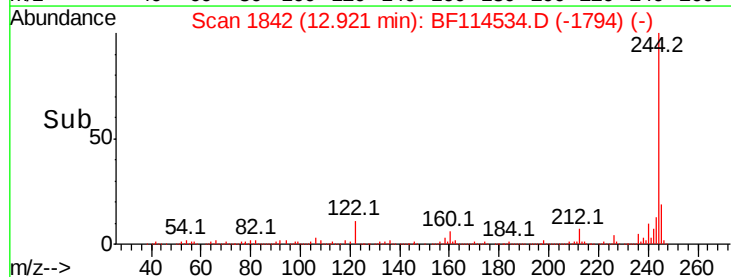
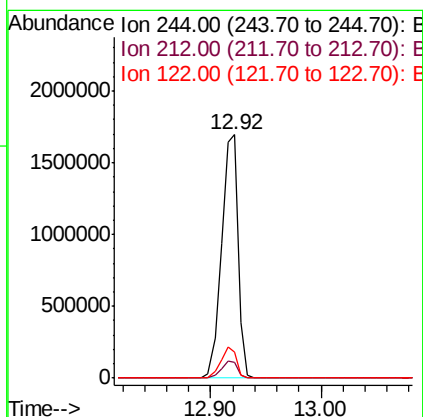
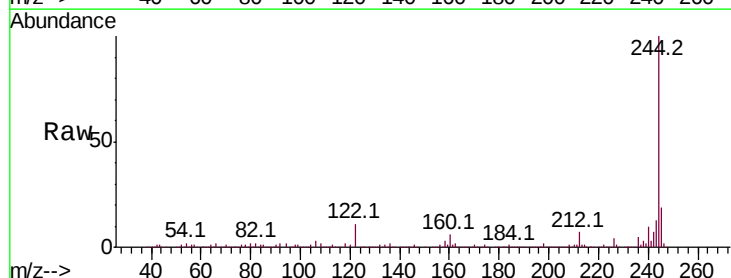
Instrument :
 BNA_F
 ClientSampleId :

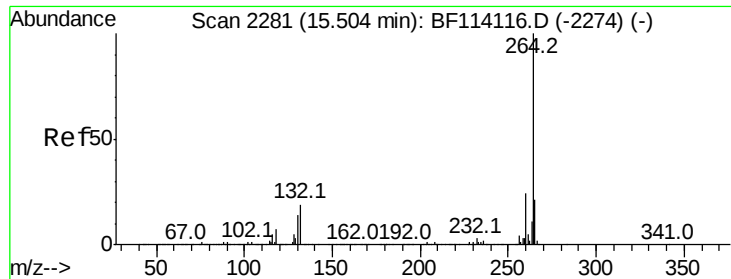
Tot Ion:240 Resp: 659030
 Ion Ratio Lower Upper
 240 100
 120 10.9 8.3 12.5
 236 26.4 20.8 31.2



#79
 Terphenyl-d14
 Concen: 55.439 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.02 min
 Lab File: BF114534.D
 Acq: 23 May 2019 20:15

Tgt Ion:244 Resp: 1772348
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 10.9 9.4 14.2





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF114534.D
Acq: 23 May 2019 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 652876

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	21.6	16.9	25.3

