

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051819\
 Data File : BF114407.D
 Acq On : 18 May 2019 23:40
 Operator : JU/SJ
 Sample : K2869-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 04:12:54 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

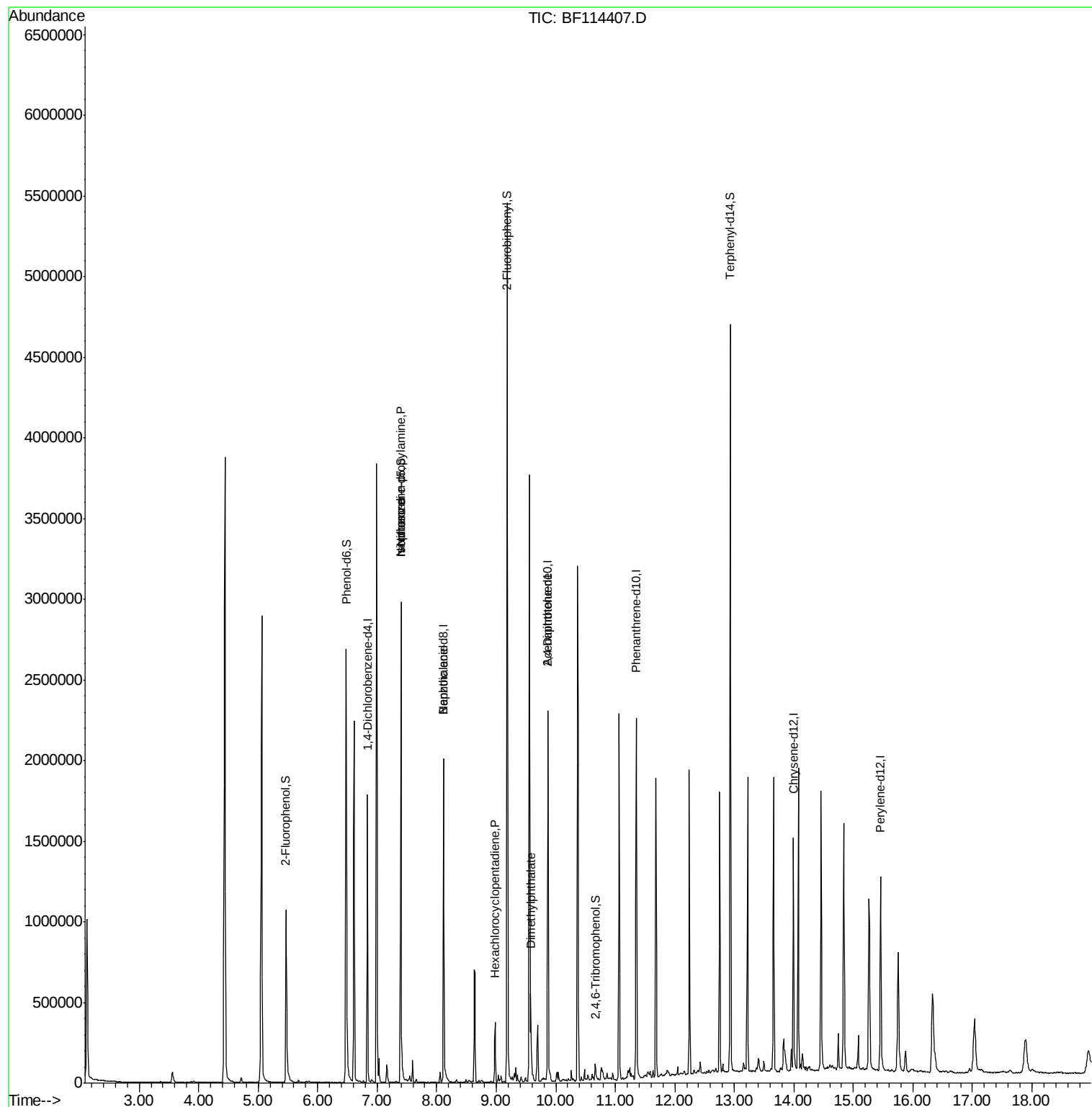
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	257327	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	992606	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	464755	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	899220	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	501721	20.00	ng	-0.03
87) Perylene-d12	15.46	264	553374	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	357674	22.37	ng	-0.01
7) Phenol-d6	6.48	99	1097692	58.04	ng	-0.01
23) Nitrobenzene-d5	7.40	82	991037	56.03	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	14998	3.12	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1786112	58.13	ng	-0.02
79) Terphenyl-d14	12.93	244	1595777	65.57	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	128179	10.693	ng	# 76
25) Isophorone	7.40	82	991031	30.212	ng	# 64
32) Benzoic acid	8.12	122	121	7.031	ng	# 1
41) Hexachlorocyclopentadiene	8.98	237	338	4.373	ng	# 28
50) Dimethylphthalate	9.58	163	280462	8.221	ng	# 99
57) 2,4-Dinitrotoluene	9.87	165	59510	5.794	ng	# 25

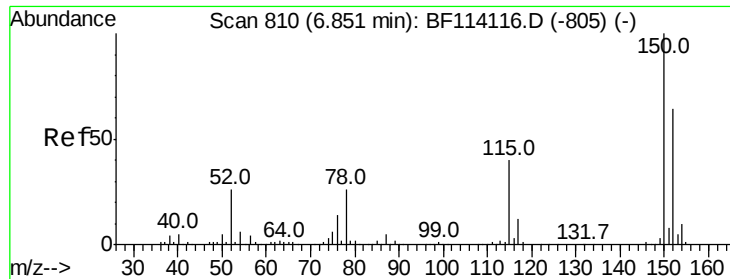
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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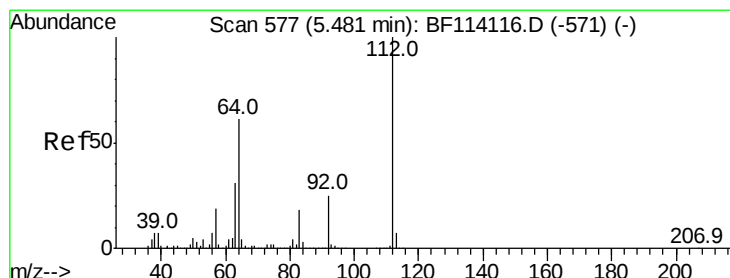
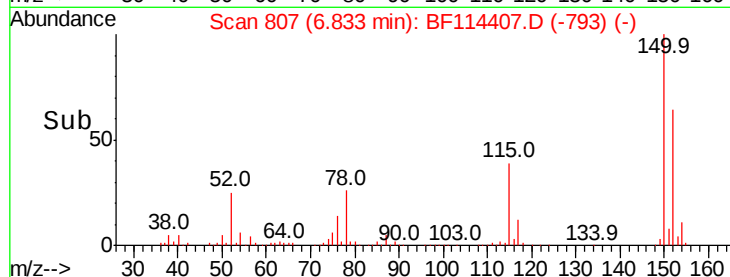
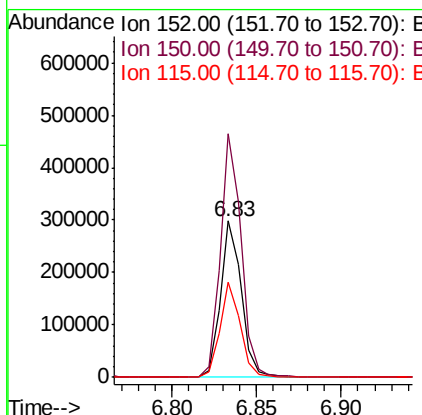
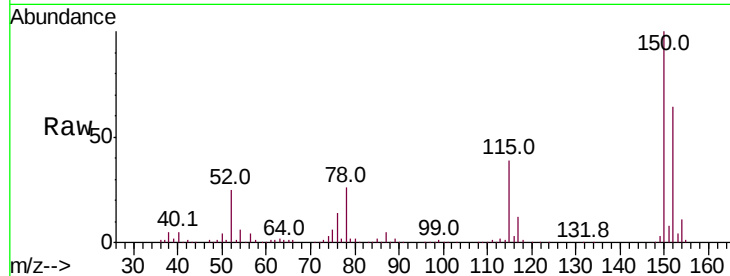


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114407.D
Acq: 18 May 2019 23:40

Instrument :
BNA_F
ClientSampleId :

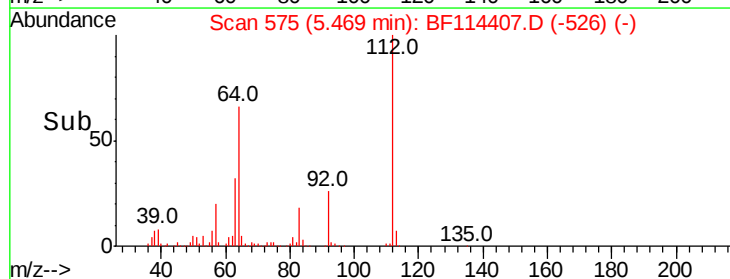
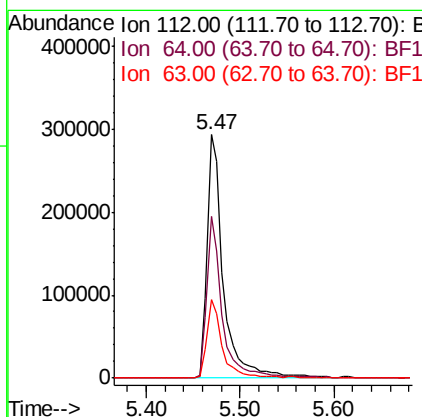
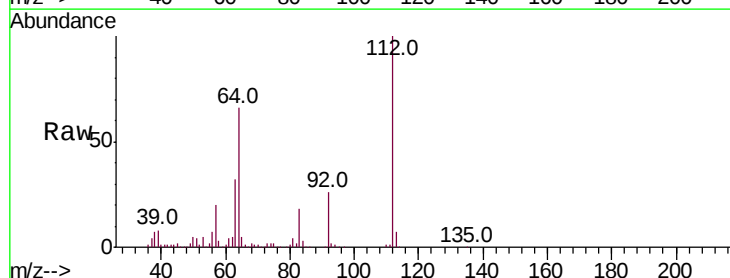
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.3	186.5
115	60.9	49.1	73.7

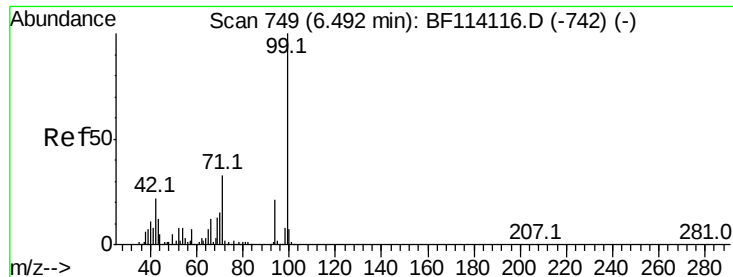


#5

2-Fluorophenol
Concen: 22.368 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF114407.D
Acq: 18 May 2019 23:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	49.0	73.6
63	32.1	24.6	37.0





#7

Phenol-d6

Concen: 58.041 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

Instrument :

BNA_F

ClientSampleId :

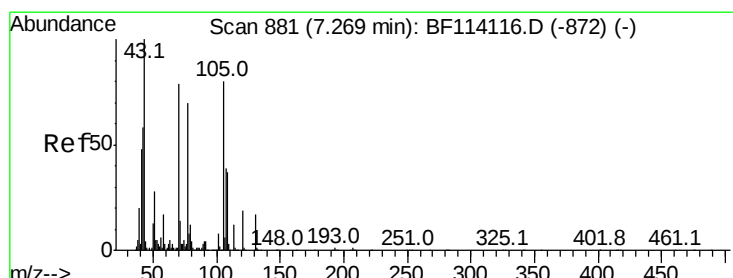
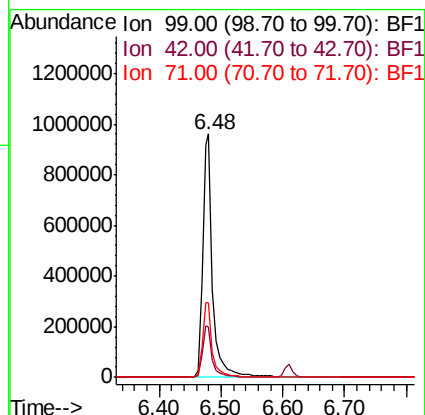
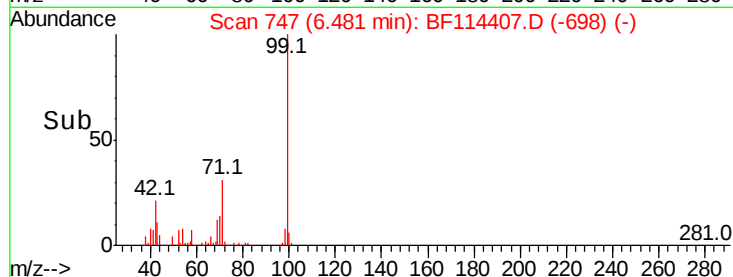
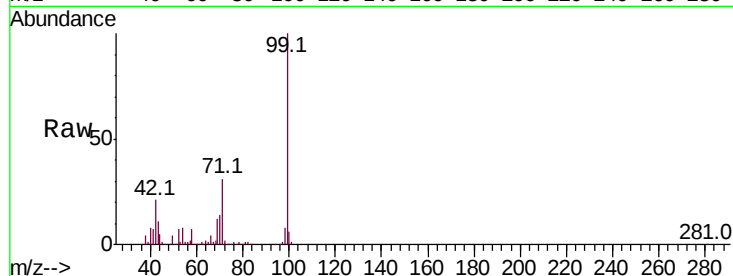
Tot Ion: 99 Resp: 1097692

Ion Ratio Lower Upper

99 100

42 20.8 17.9 26.9

71 30.5 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.693 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

Tgt Ion: 70 Resp: 128179

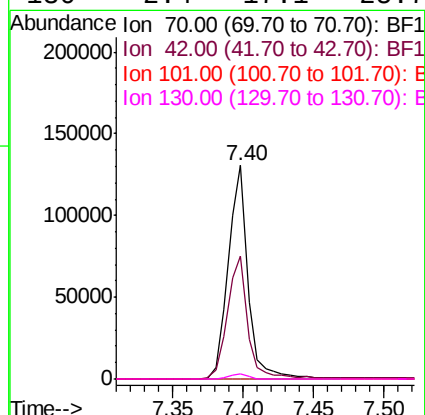
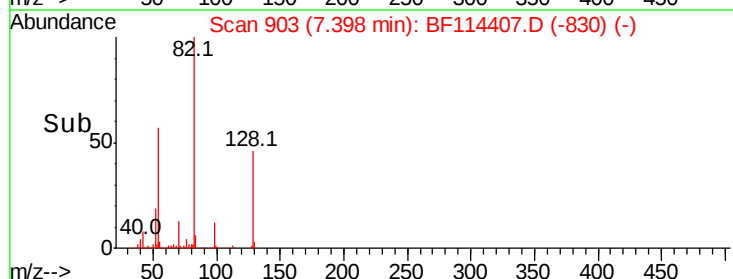
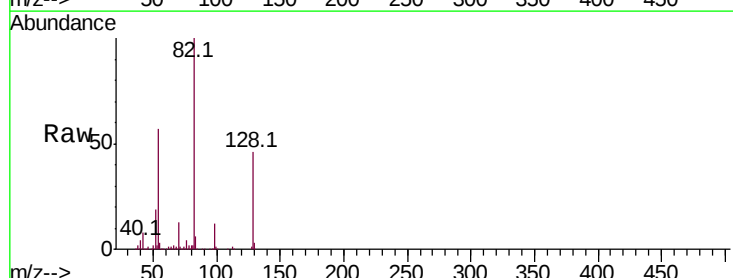
Ion Ratio Lower Upper

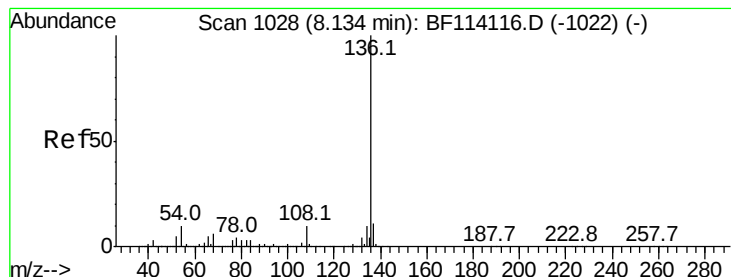
70 100

42 57.5 58.6 87.8#

101 0.0 7.8 11.8#

130 2.4 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: BF114407.D

Acq: 18 May 2019 23:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 992606

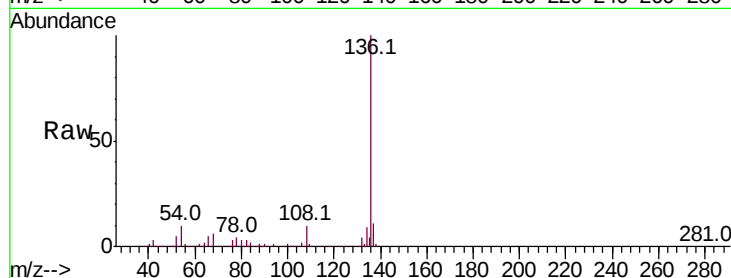
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.5 7.8 11.8

68 6.3 5.1 7.7

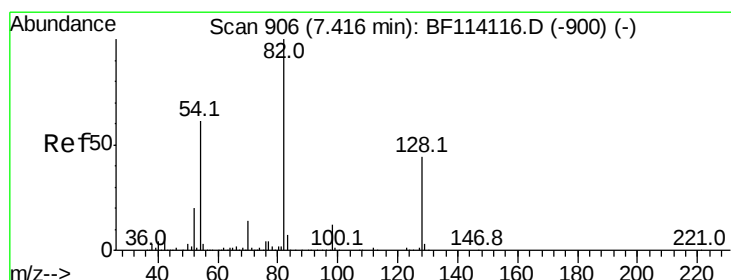
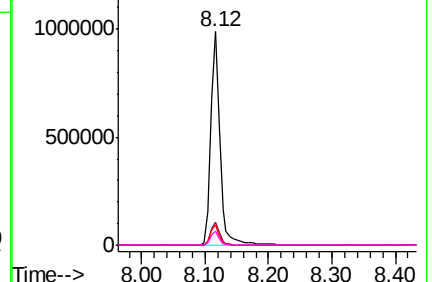
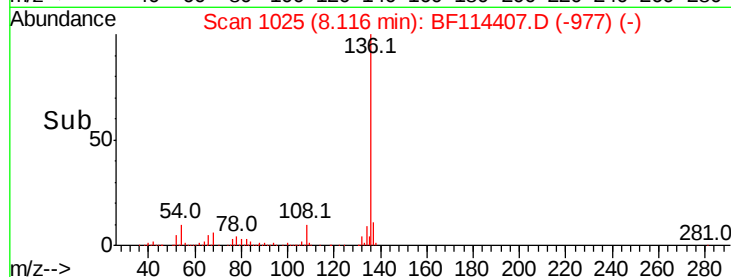


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.031 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

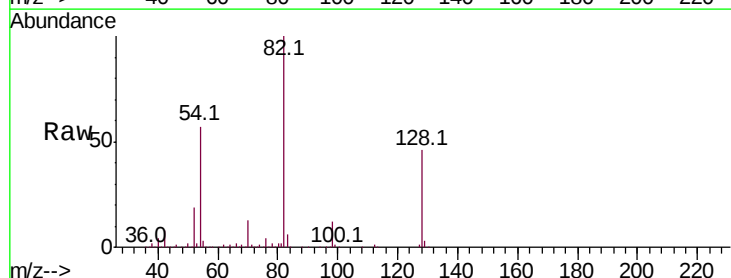
Tgt Ion: 82 Resp: 991037

Ion Ratio Lower Upper

82 100

128 46.0 35.5 53.3

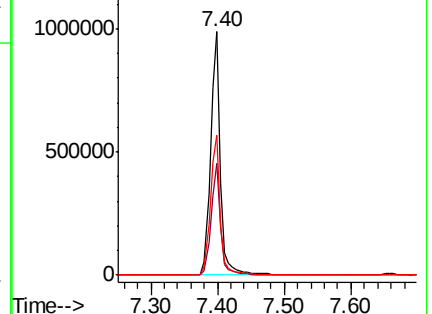
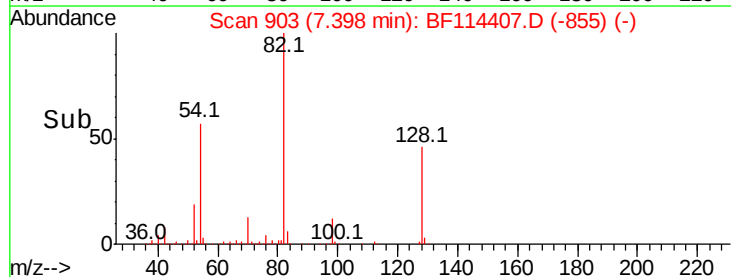
54 57.3 48.5 72.7

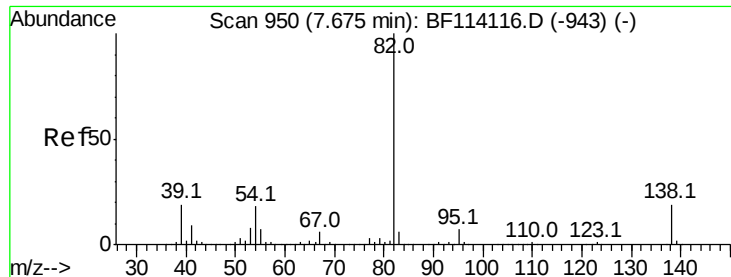


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.212 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

Instrument :

BNA_F

ClientSampled :

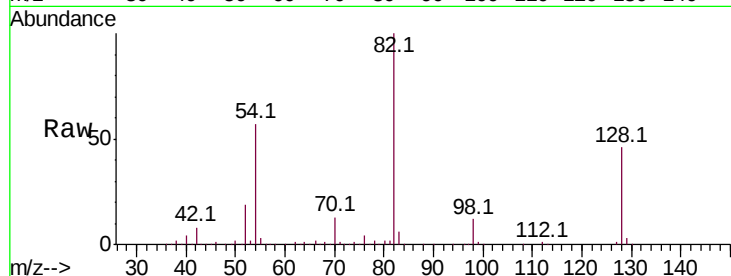
Tot Ion: 82 Resp: 991031

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

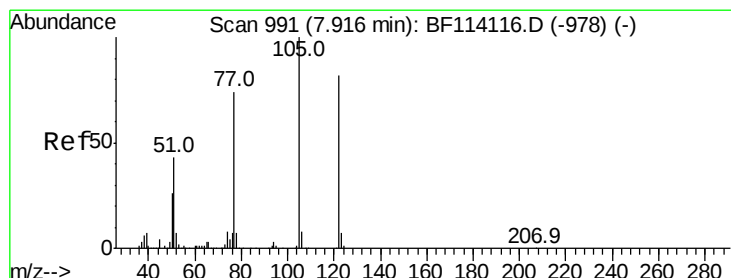
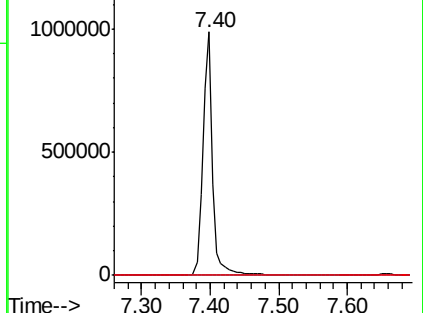
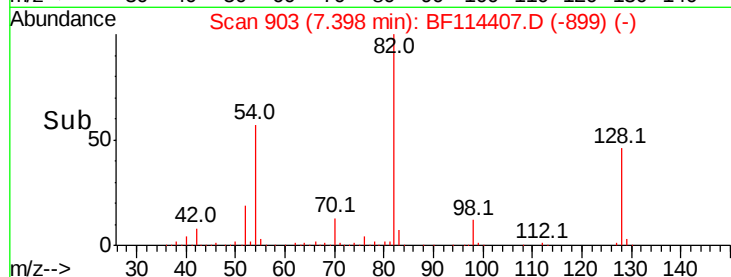
138 0.0 14.8 22.2#



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: 7.031 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.20 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

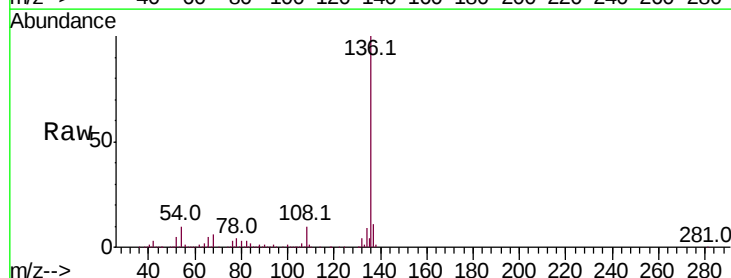
Tgt Ion: 122 Resp: 121

Ion Ratio Lower Upper

122 100

105 206.4 99.9 139.9#

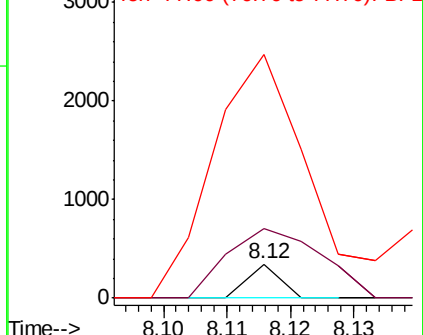
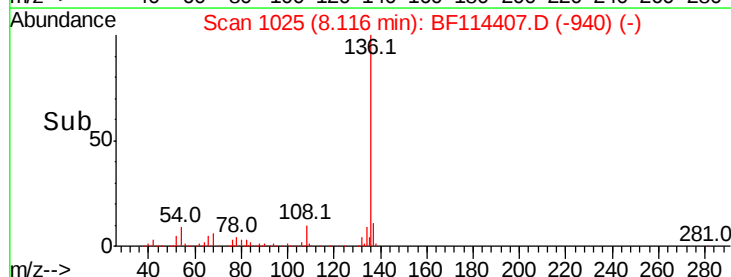
77 722.2 69.4 109.4#

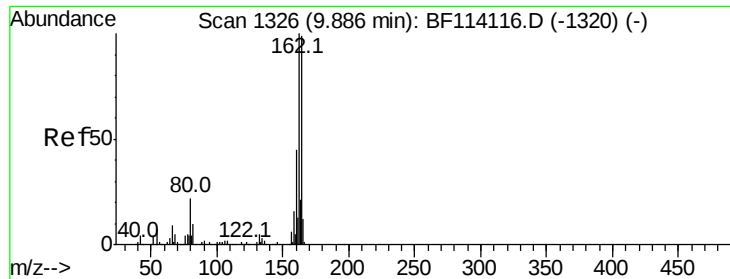


Abundance Ion 122.00 (121.70 to 122.70): E

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: BF114407.D

Acq: 18 May 2019 23:40

Instrument :

BNA_F

ClientSampleId :

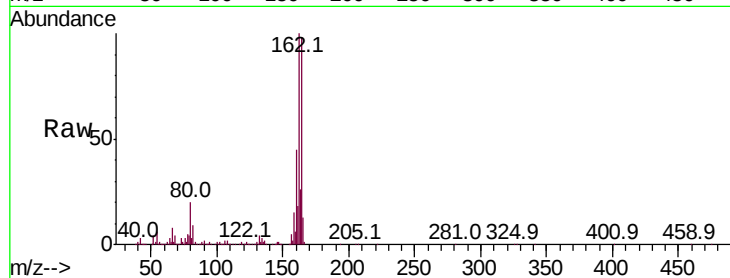
Tot Ion:164 Resp: 464755

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

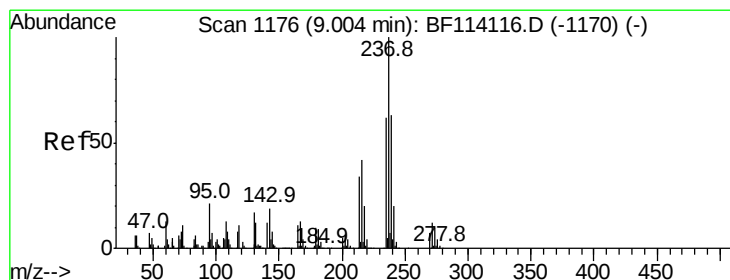
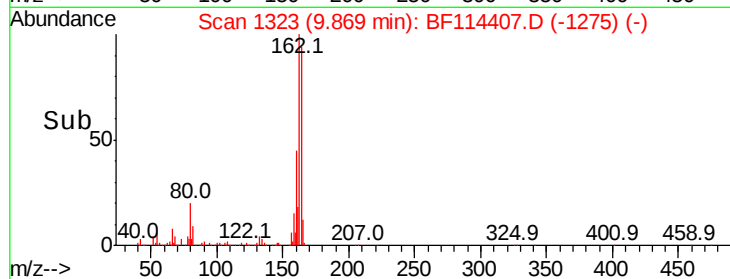
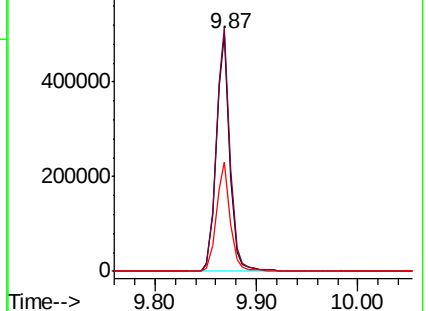
160 45.7 36.5 54.7



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



#41

Hexachlorocyclopentadiene

Concen: 4.373 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

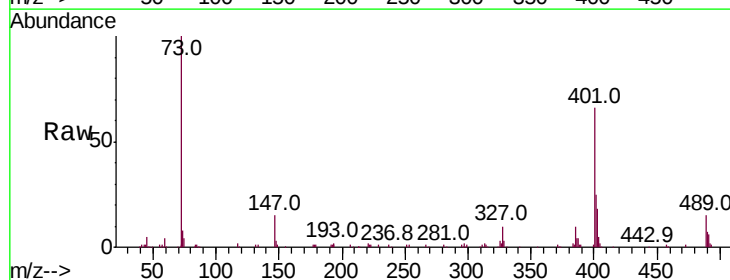
Tgt Ion:237 Resp: 338

Ion Ratio Lower Upper

237 100

235 0.0 42.0 82.0#

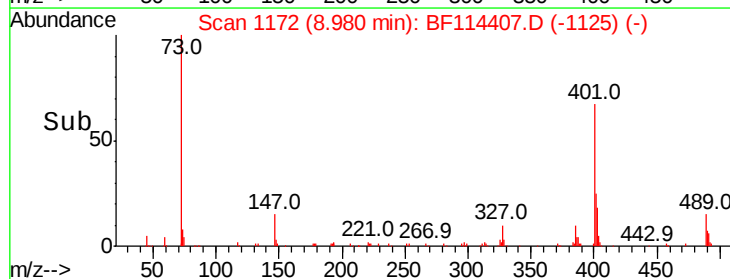
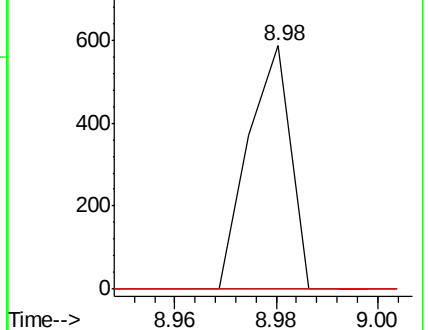
272 0.0 0.0 32.4

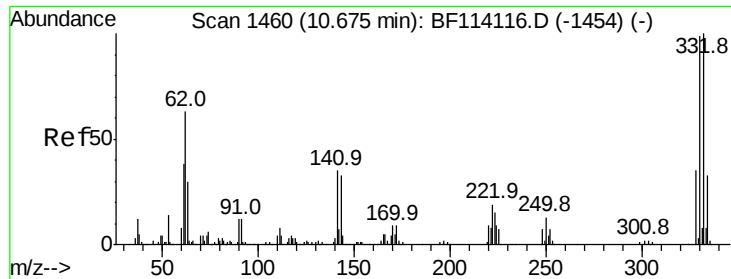


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#42

2,4,6-Tribromophenol

Concen: 3.121 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

Instrument :

BNA_F

ClientSampleId :

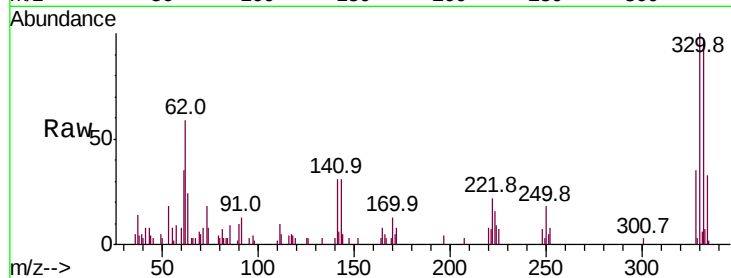
Tot Ion:330 Resp: 14998

Ion Ratio Lower Upper

330 100

332 106.4 81.4 122.2

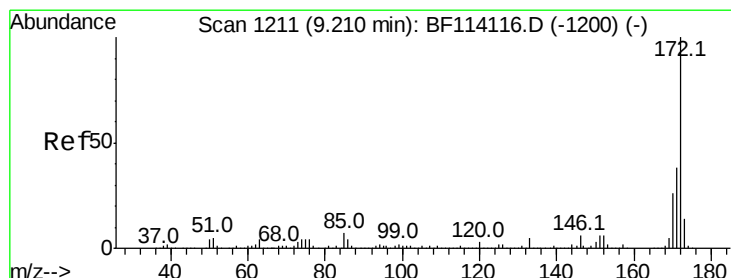
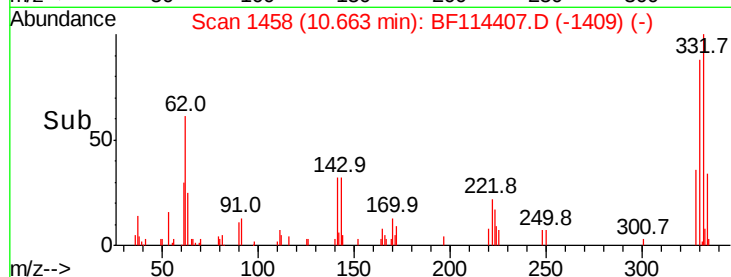
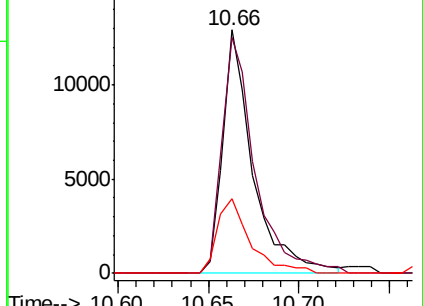
141 33.9 26.6 40.0



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: 58.134 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

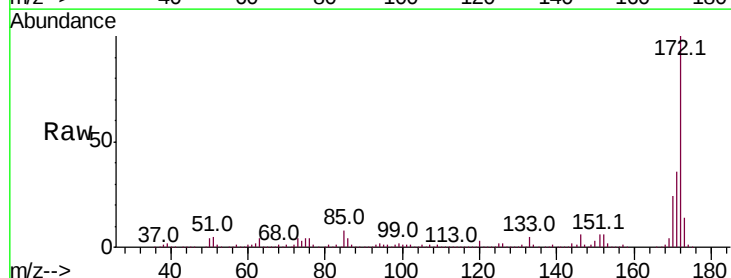
Tgt Ion:172 Resp: 1786112

Ion Ratio Lower Upper

172 100

171 36.2 30.7 46.1

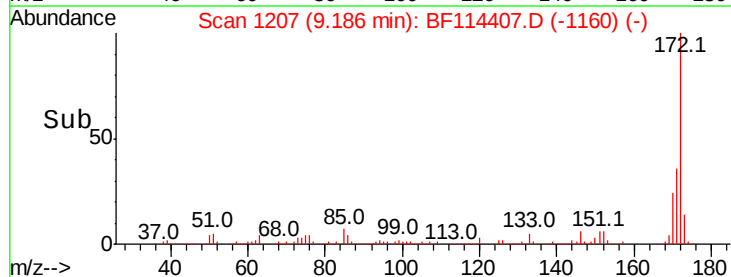
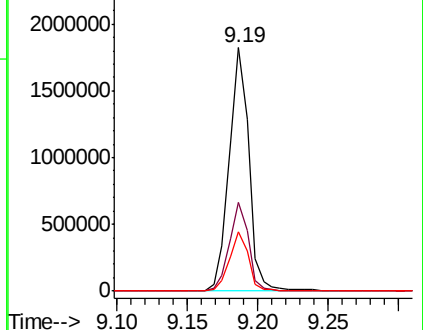
170 24.1 20.5 30.7

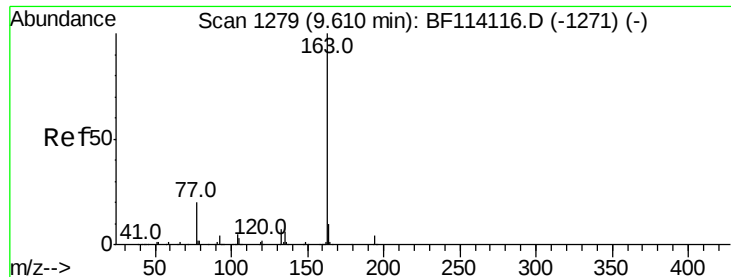


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.221 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.03 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

Instrument :

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ClientSampleId :

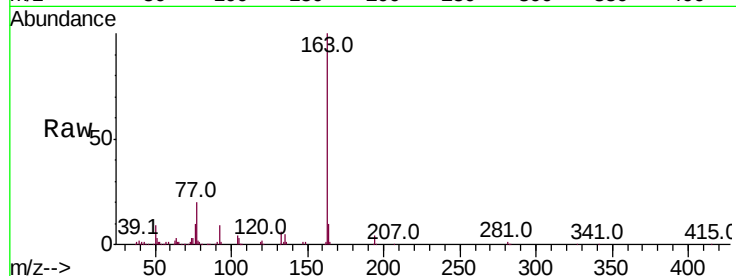
Tot Ion:163 Resp: 280462

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

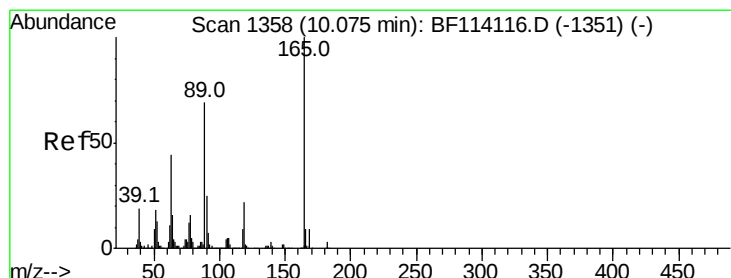
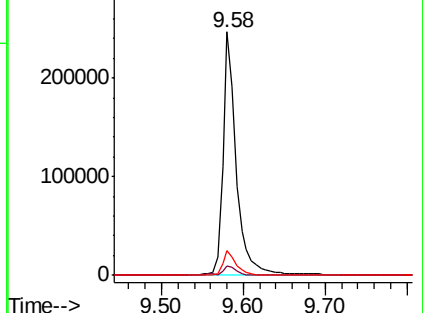
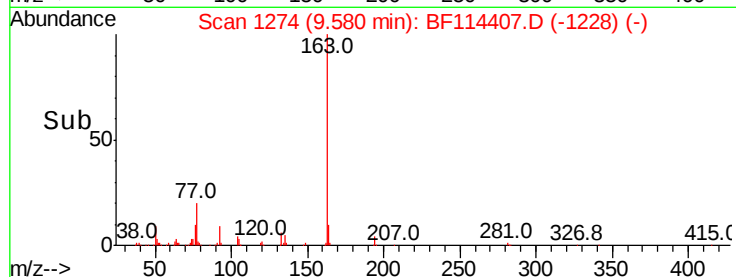
164 10.0 8.2 12.2



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



#57

2,4-Dinitrotoluene

Concen: 5.794 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

Tgt Ion:165 Resp: 59510

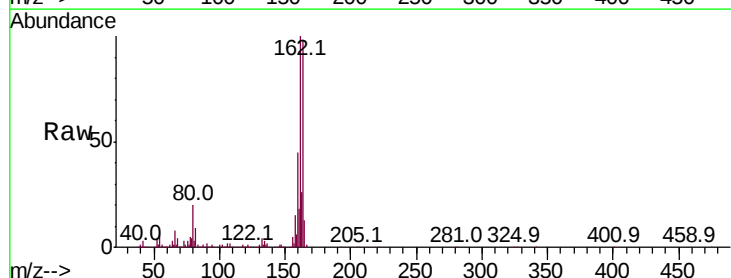
Ion Ratio Lower Upper

165 100

63 1.4 35.5 53.3#

89 1.5 55.2 82.8#

182 0.0 2.2 3.2#

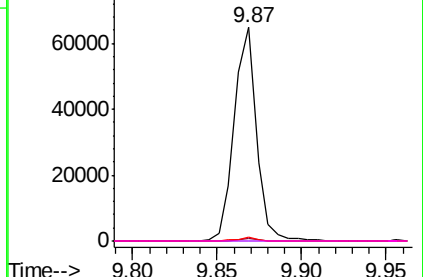
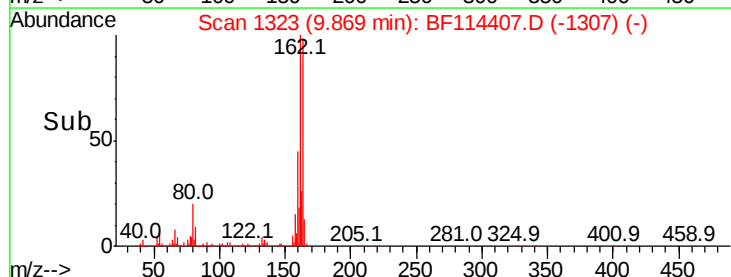


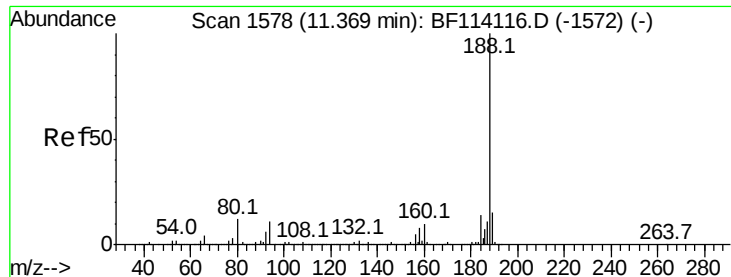
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF114407.D

Acq: 18 May 2019 23:40

Instrument :

BNA_F

ClientSampleId :

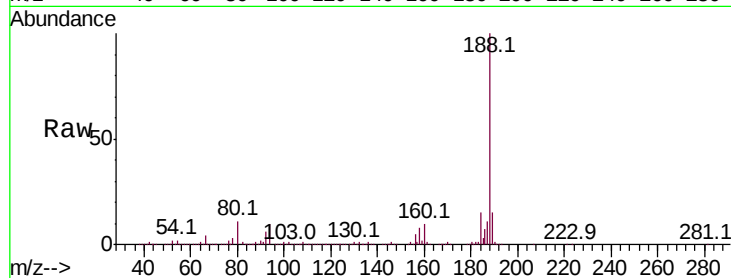
Tot Ion:188 Resp: 899220

Ion Ratio Lower Upper

188 100

94 10.4 8.4 12.6

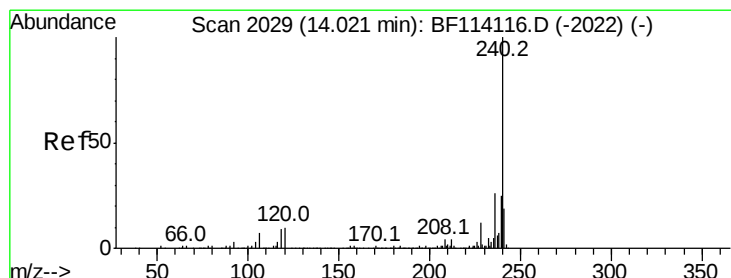
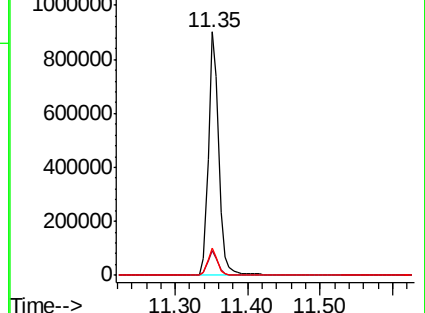
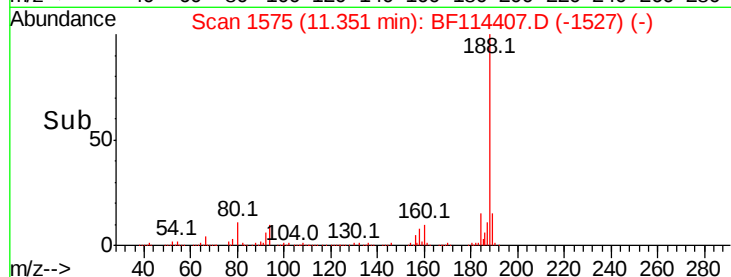
80 11.1 9.2 13.8



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: 13.99 min Scan# 2024

Delta R.T. -0.03 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

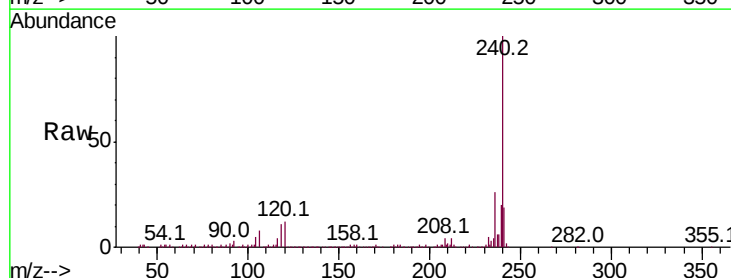
Tgt Ion:240 Resp: 501721

Ion Ratio Lower Upper

240 100

120 12.4 8.3 12.5

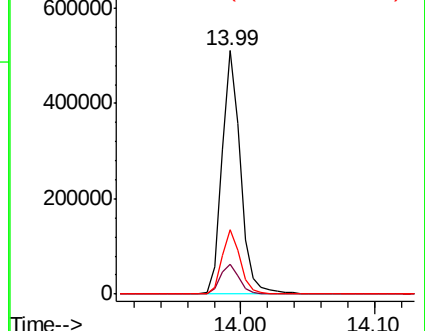
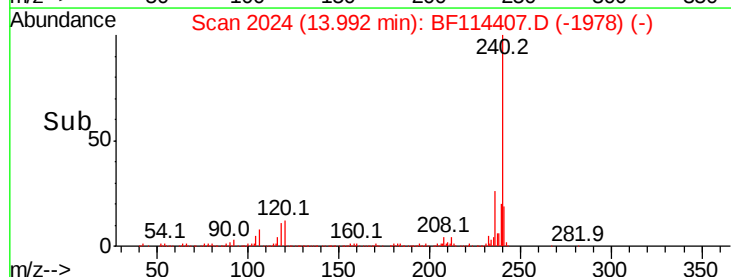
236 26.4 20.8 31.2

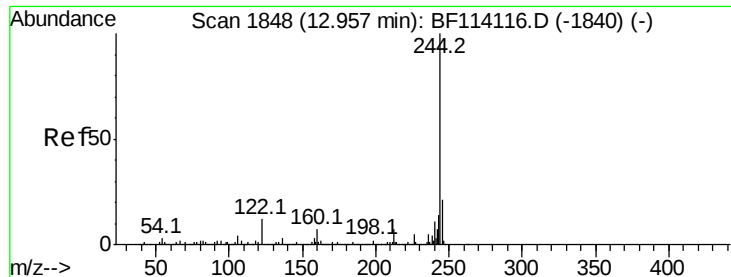


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 65.566 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF114407.D

Acq: 18 May 2019 23:40

Instrument :

BNA_F

ClientSampleId :

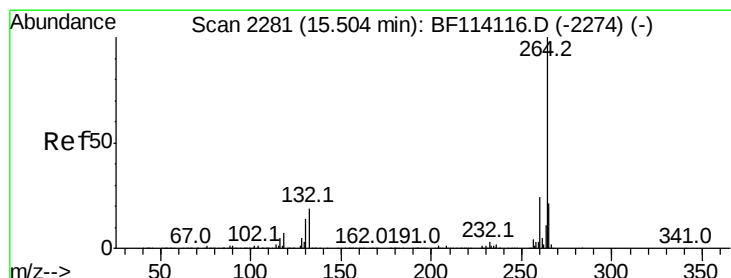
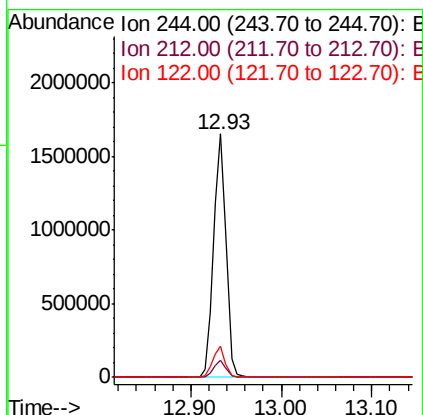
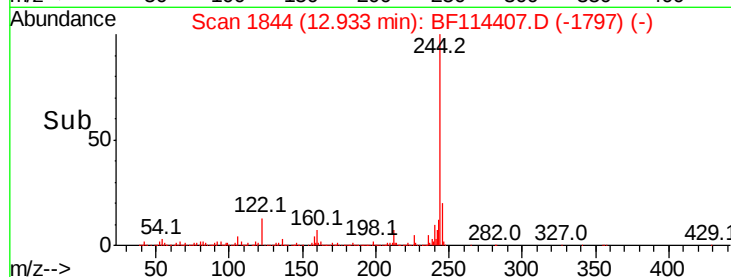
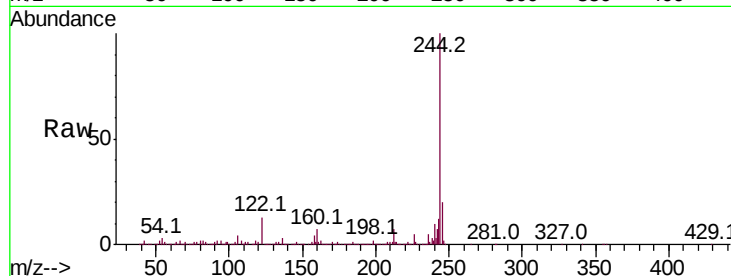
Tot Ion:244 Resp: 1595777

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	12.7	9.4	14.2

244 100

212 6.8 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: BF114407.D

Acq: 18 May 2019 23:40

Tgt Ion:264 Resp: 553374

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	20.3	16.9	25.3

264 100

260 23.9 19.4 29.0

265 20.3 16.9 25.3

