

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
 Data File : BF114447.D
 Acq On : 21 May 2019 3:36
 Operator : JU/SJ
 Sample : K2909-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 21 11:14:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

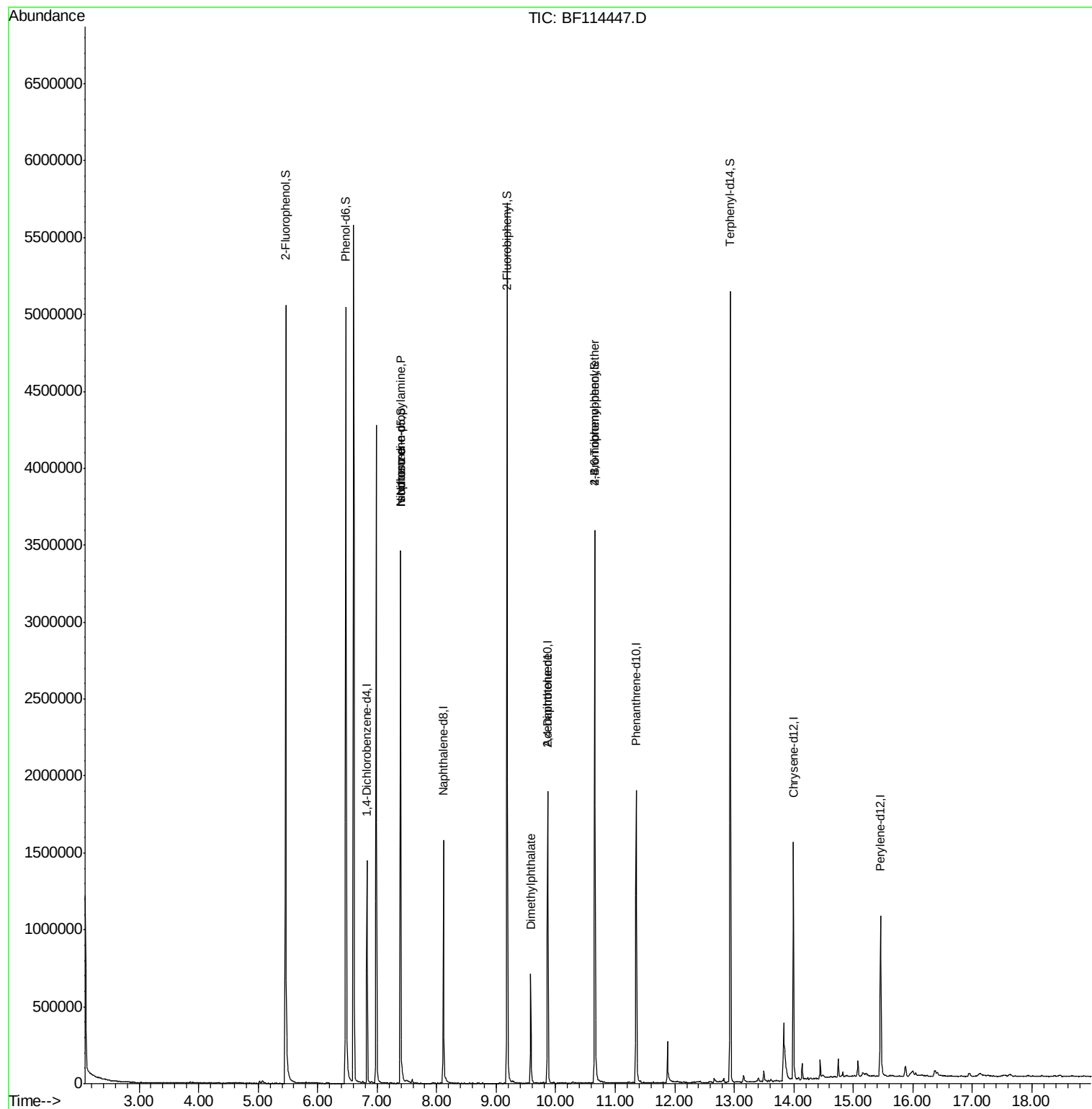
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	200511	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	760843	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	359723	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	749602	20.00	ng	0.00
76) Chrysene-d12	13.99	240	521193	20.00	ng	-0.01
87) Perylene-d12	15.46	264	513521	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1430196	114.78	ng	0.00
7) Phenol-d6	6.47	99	1861781	126.34	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1119728	82.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	460282	123.77	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1825020	76.74	ng	0.00
79) Terphenyl-d14	12.93	244	1780865	70.44	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	148276	15.874	ng	# 77
25) Isophorone	7.39	82	1119721	44.533	ng	# 64
50) Dimethylphthalate	9.58	163	345746	13.093	ng	98
57) 2,4-Dinitrotoluene	9.86	165	44510	5.599	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	30045	3.640	ng	# 1

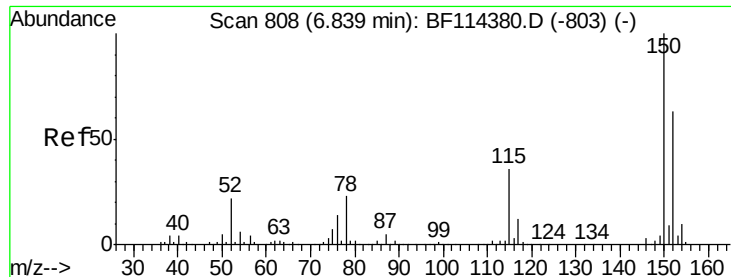
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 20 04:47:40 2019
Response via : Initial Calibration



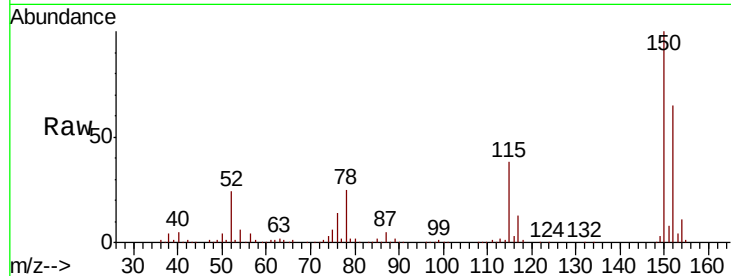


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF114447.D
 Acq: 21 May 2019 3:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.3	186.5
115	58.1	49.1	73.7

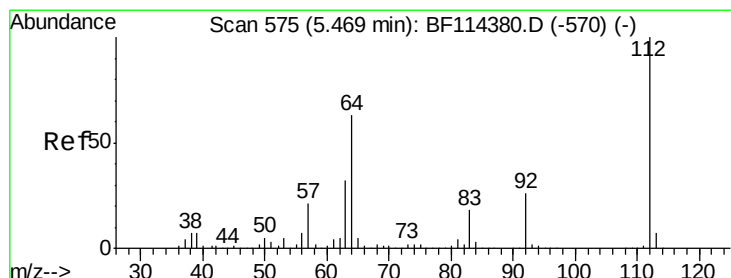
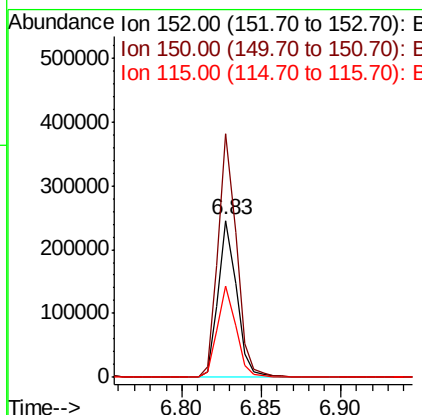
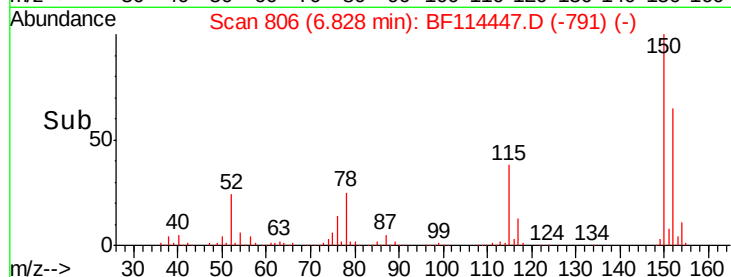


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

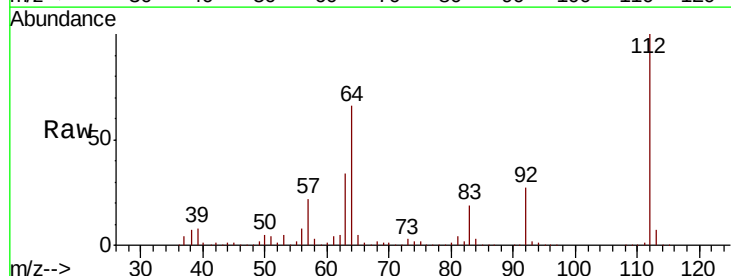
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 114.785 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF114447.D
 Acq: 21 May 2019 3:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	49.0	73.6
63	33.9	24.6	37.0

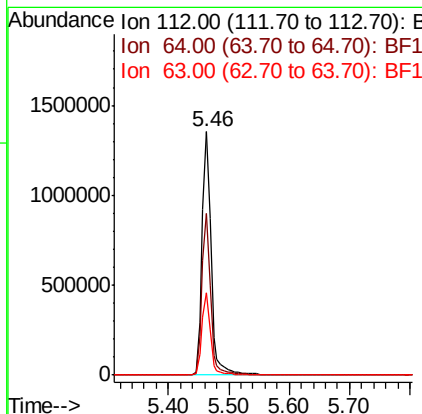
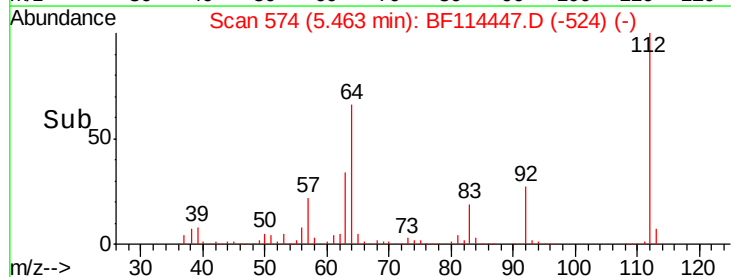


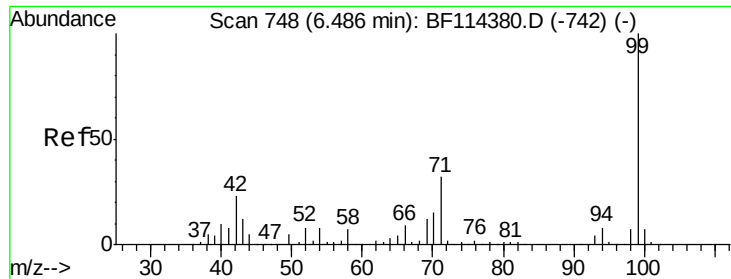
Abundance

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: 126.337 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

Instrument :

BNA_F

ClientSampled :

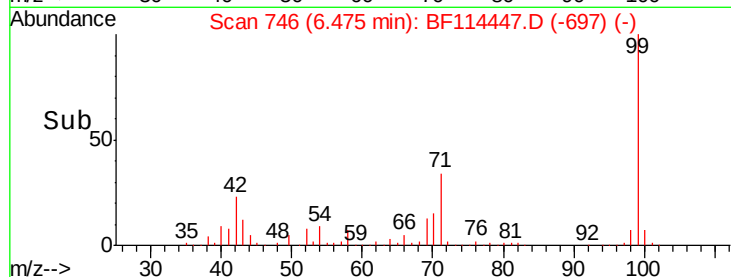
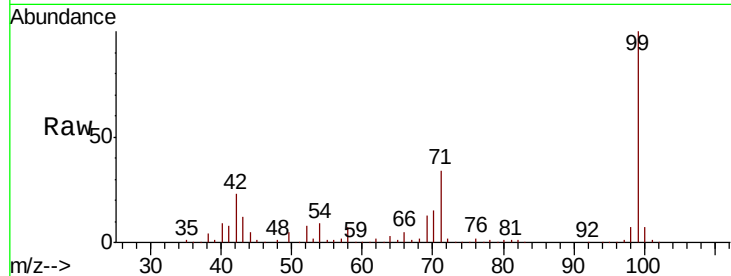
Tot Ion: 99 Resp: 1861781

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

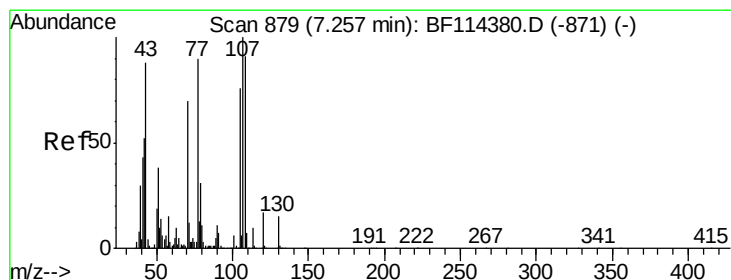
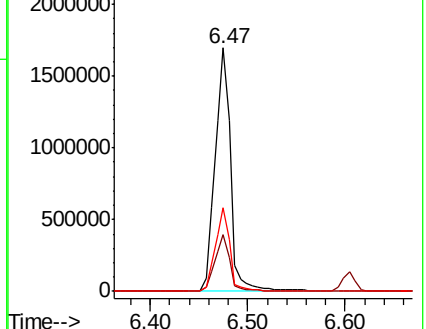
71 34.1 26.2 39.2



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: 15.874 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

Tgt Ion: 70 Resp: 148276

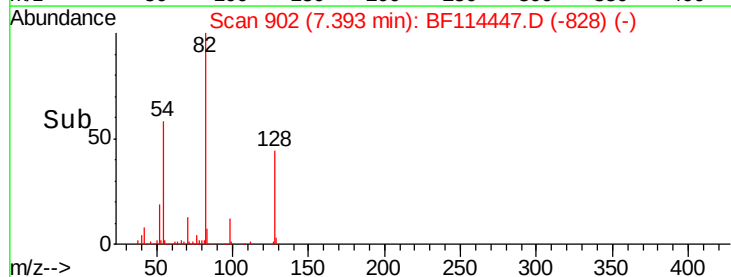
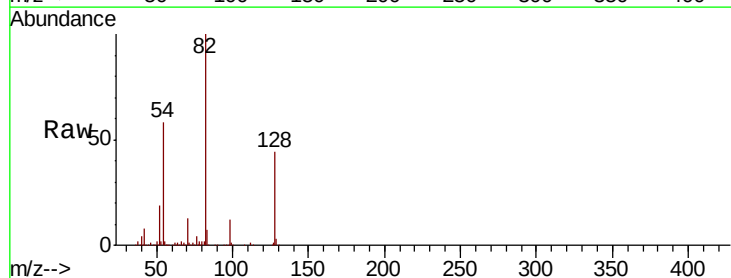
Ion Ratio Lower Upper

70 100

42 59.1 58.6 87.8

101 0.0 7.8 11.8#

130 1.8 17.1 25.7#

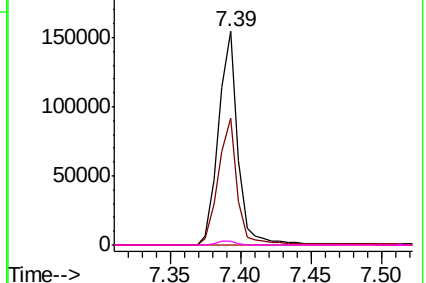


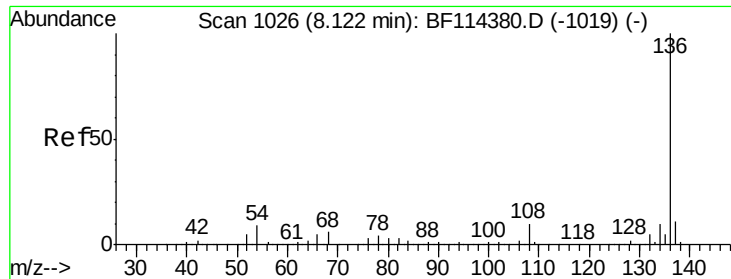
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

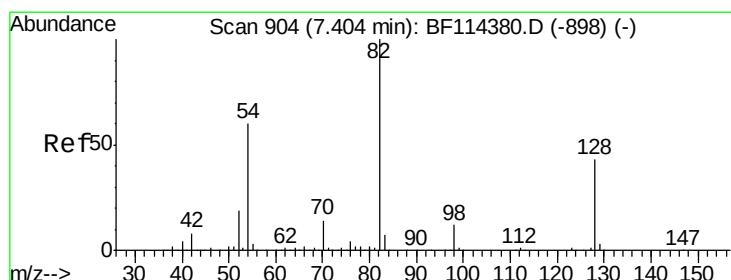
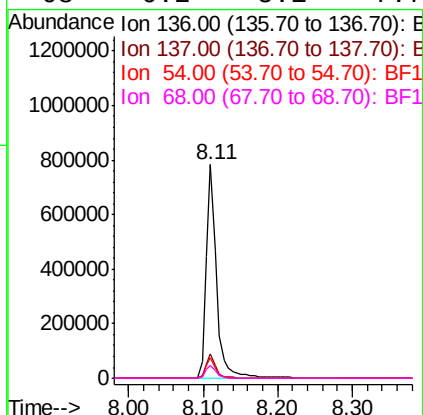
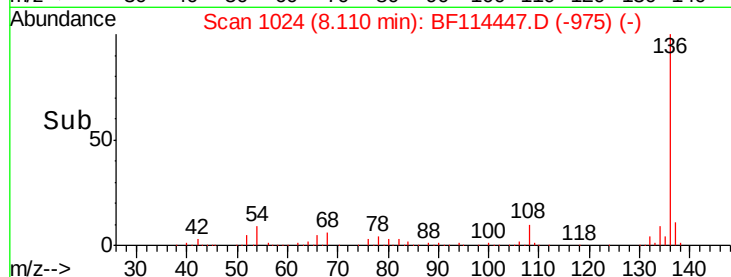
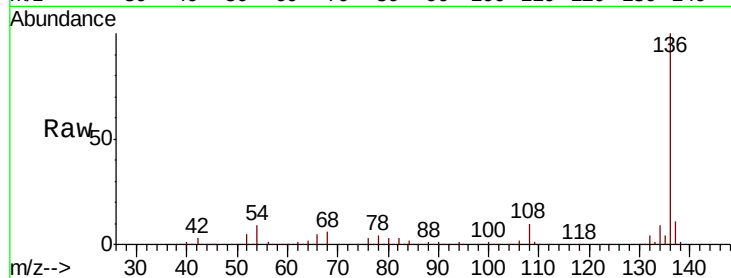




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF114447.D
Acq: 21 May 2019 3:36

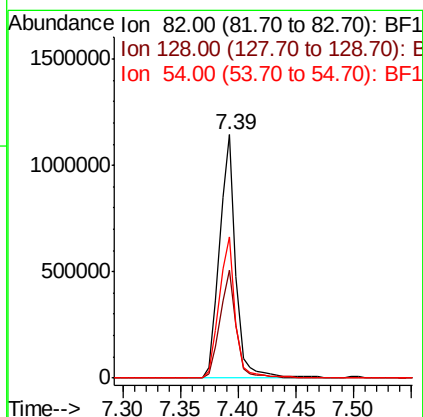
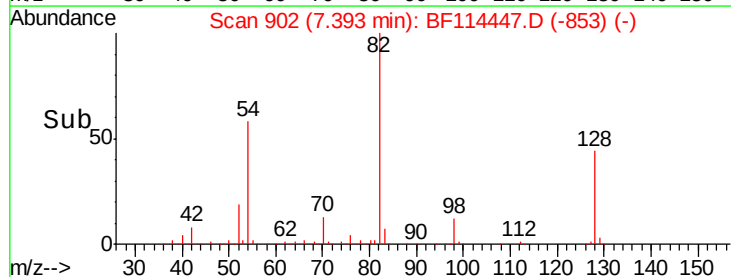
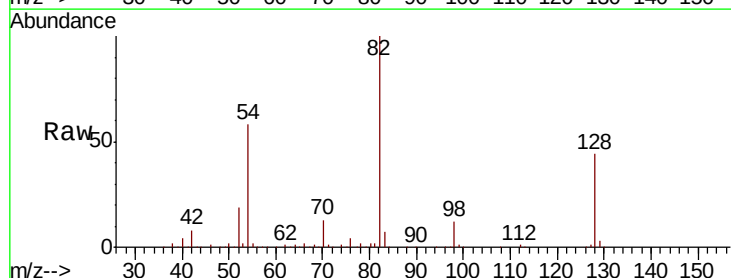
Instrument :
BNA_F
ClientSampleId :

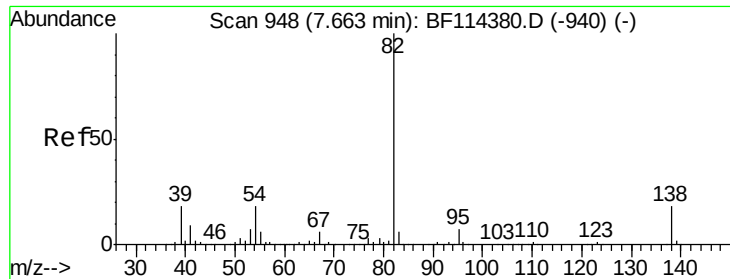
Tot Ion:136	Resp:	760843
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	9.4	7.8 11.8
68	6.2	5.1 7.7



#23
Nitrobenzene-d5
Concen: 82.592 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114447.D
Acq: 21 May 2019 3:36

Tgt Ion: 82	Resp:	1119728
Ion Ratio	Lower	Upper
82	100	
128	44.5	35.5 53.3
54	58.2	48.5 72.7





#25

Isophorone

Concen: 44.533 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.27 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

Instrument :

BNA_F

ClientSampled :

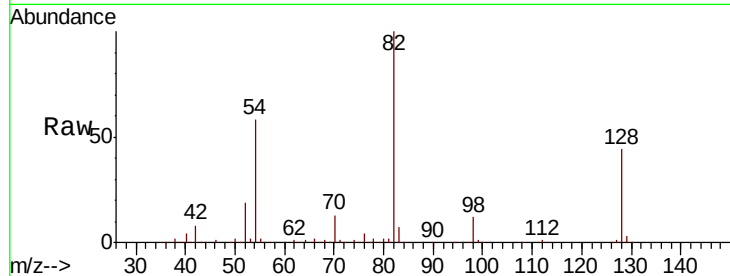
Tot Ion: 82 Resp: 1119721

Ion Ratio Lower Upper

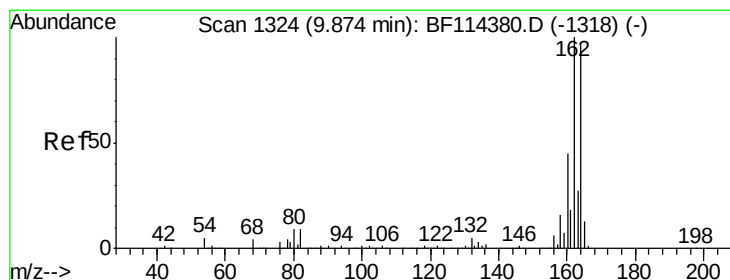
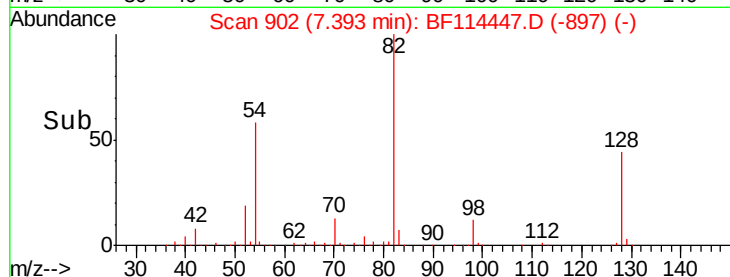
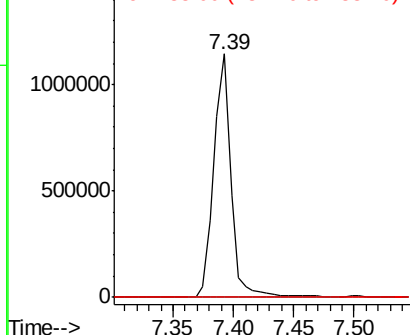
82 100

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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

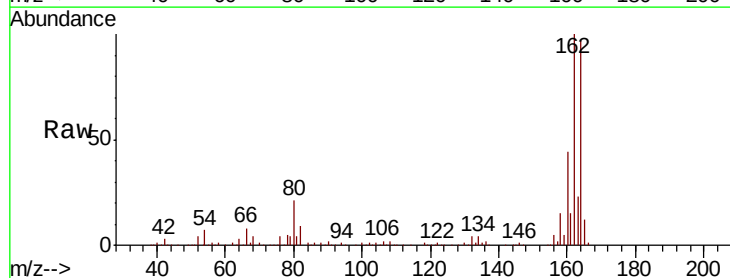
Tgt Ion:164 Resp: 359723

Ion Ratio Lower Upper

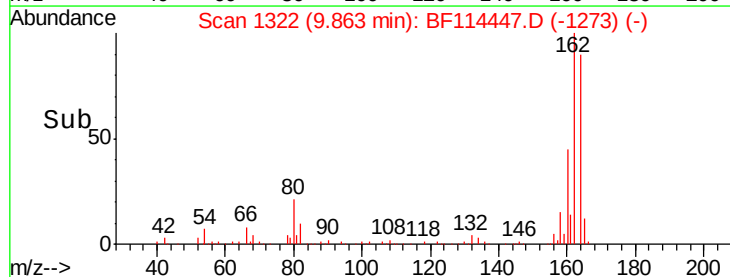
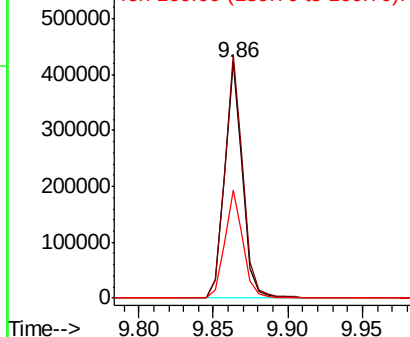
164 100

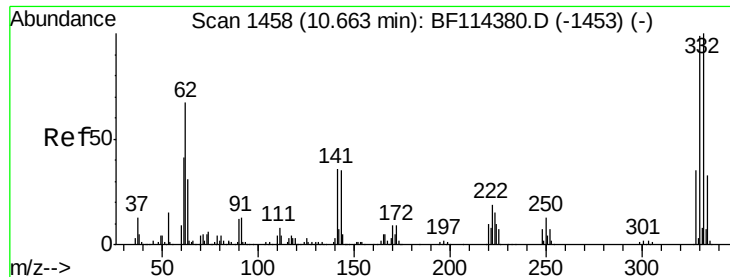
162 103.3 80.6 120.8

160 45.9 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: 123.767 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

Instrument :

BNA_F

ClientSampleId :

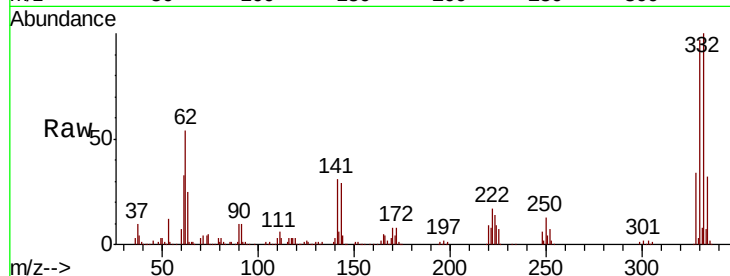
Tot Ion:330 Resp: 460282

Ion Ratio Lower Upper

330 100

332 101.2 81.4 122.2

141 32.8 26.6 40.0

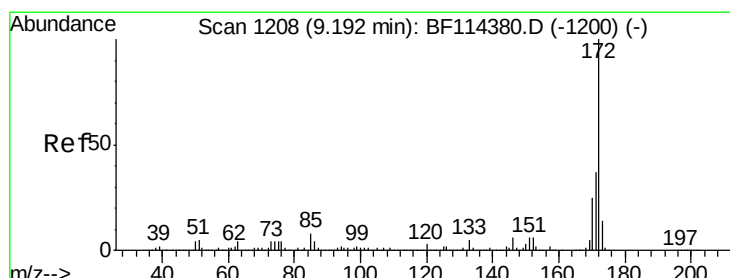
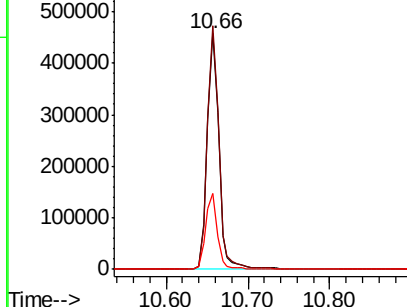
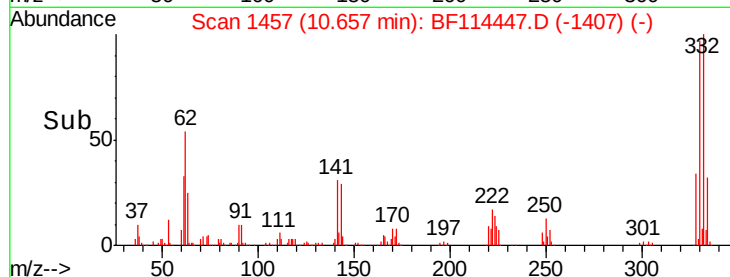


Abundance

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: 76.744 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

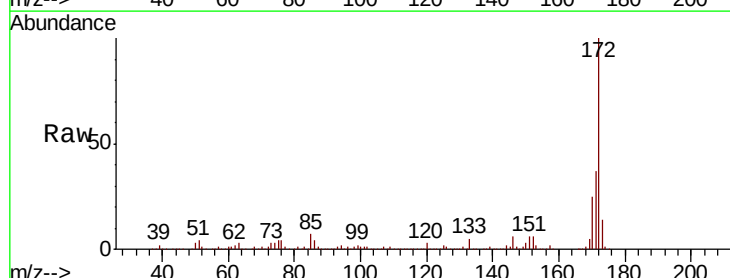
Tgt Ion:172 Resp: 1825020

Ion Ratio Lower Upper

172 100

171 36.6 30.7 46.1

170 24.8 20.5 30.7

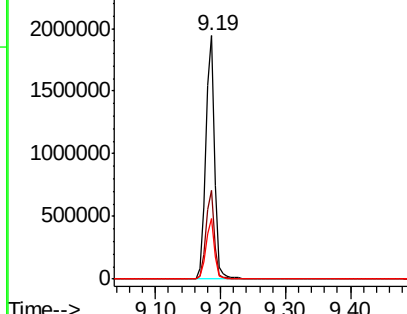
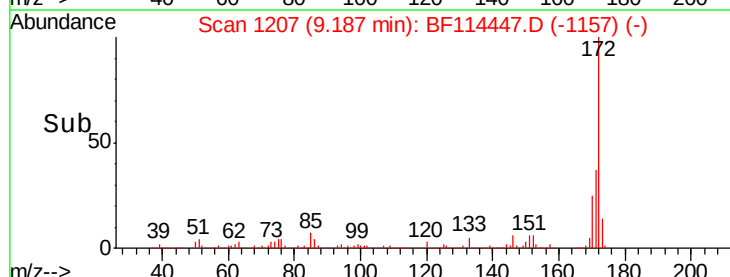


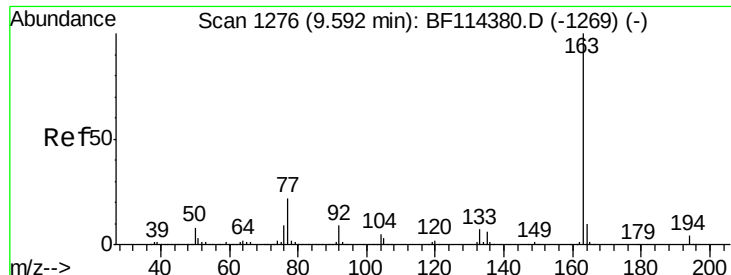
Abundance

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: 13.093 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

Instrument :

BNA_F

ClientSampleId :

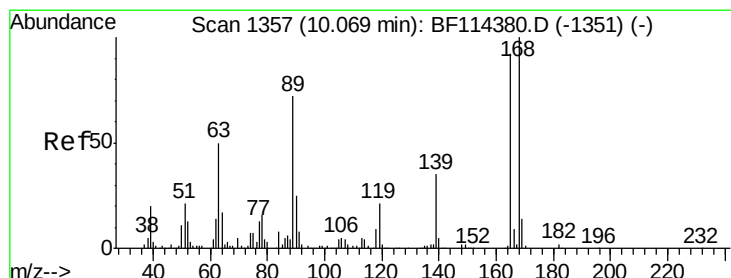
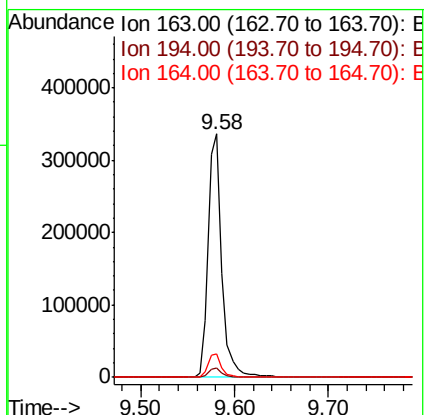
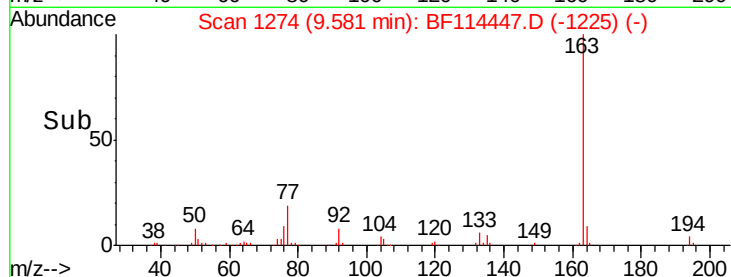
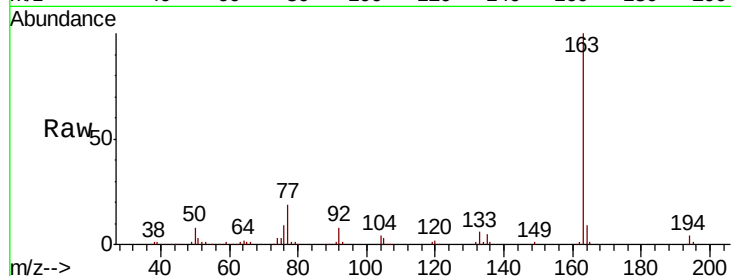
Tot Ion:163 Resp: 345746

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

164 9.5 8.2 12.2



#57

2,4-Dinitrotoluene

Concen: 5.599 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.21 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

Tgt Ion:165 Resp: 44510

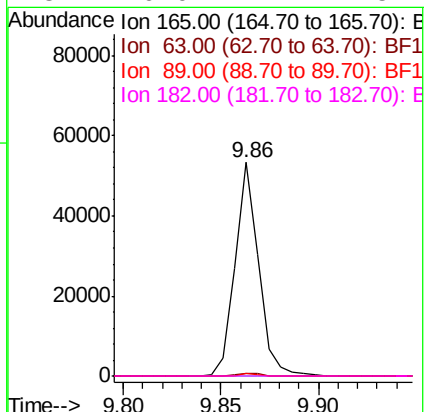
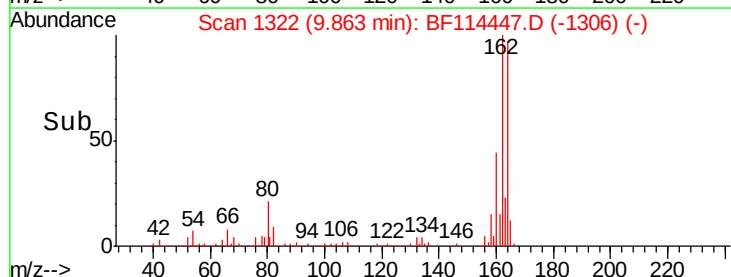
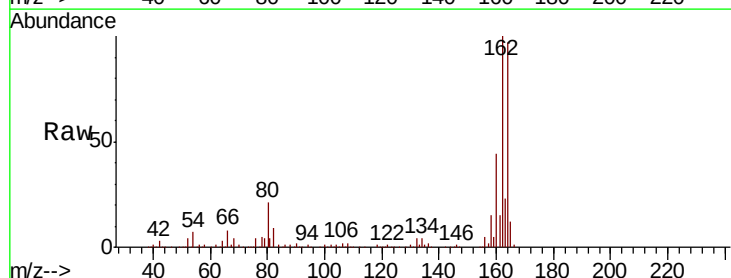
Ion Ratio Lower Upper

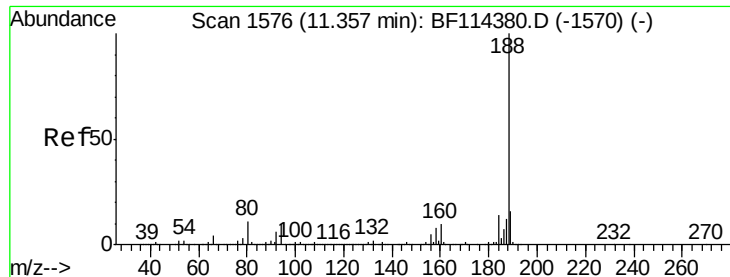
165 100

63 1.4 35.5 53.3#

89 1.4 55.2 82.8#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

Instrument :

BNA_F

ClientSampleId :

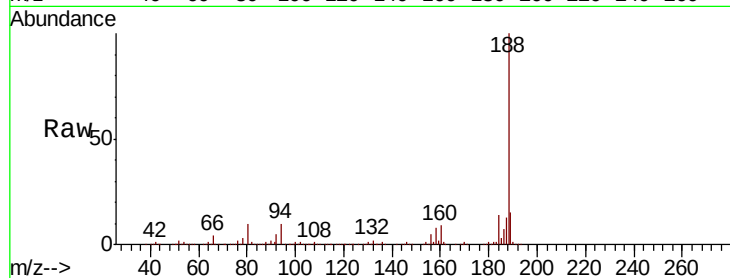
Tot Ion:188 Resp: 749602

Ion Ratio Lower Upper

188 100

94 10.0 8.4 12.6

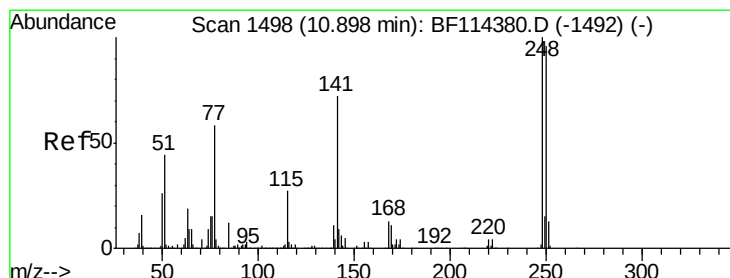
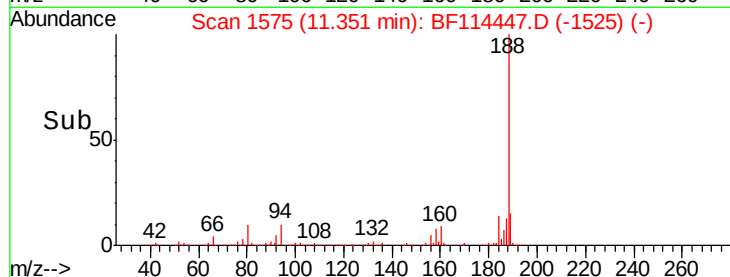
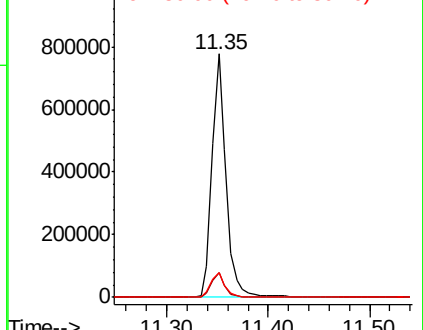
80 10.2 9.2 13.8



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: 3.640 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.24 min

Lab File: BF114447.D

Acq: 21 May 2019 3:36

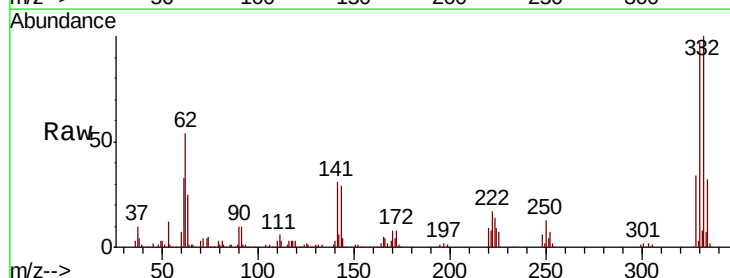
Tgt Ion:248 Resp: 30045

Ion Ratio Lower Upper

248 100

250 205.3 77.4 116.2#

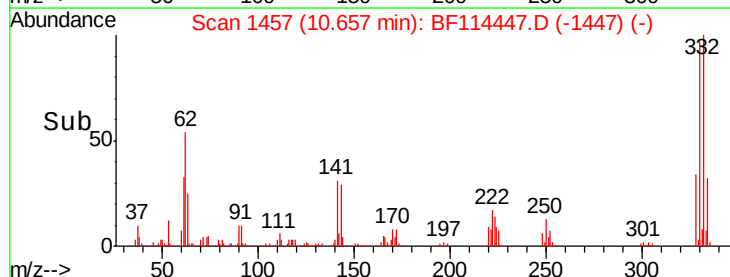
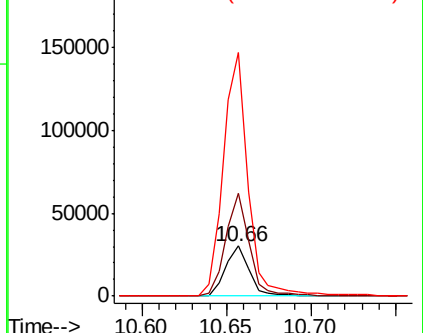
141 484.4 55.6 83.4#

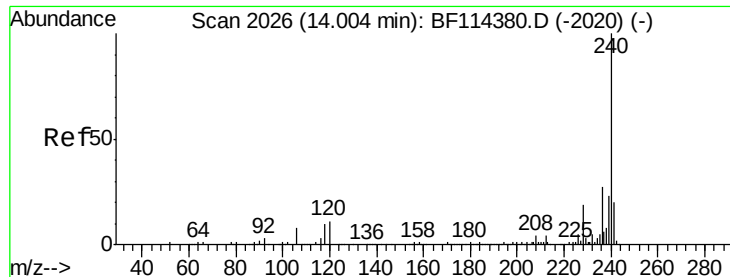


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

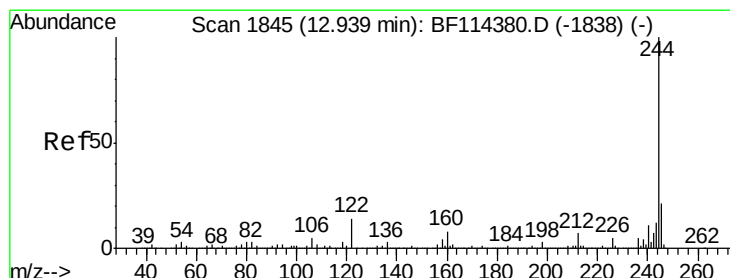
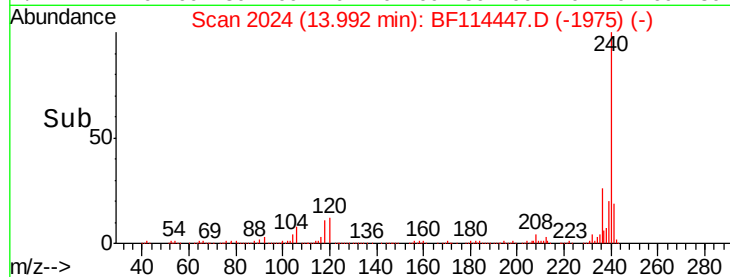
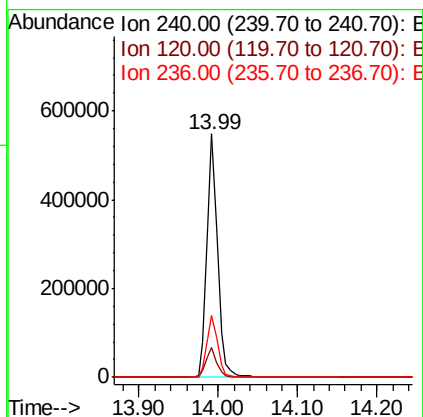




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF114447.D
 Acq: 21 May 2019 3:36

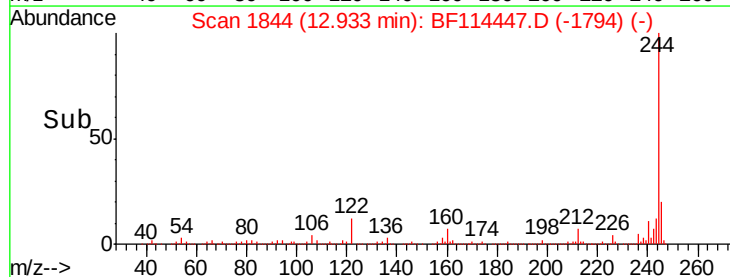
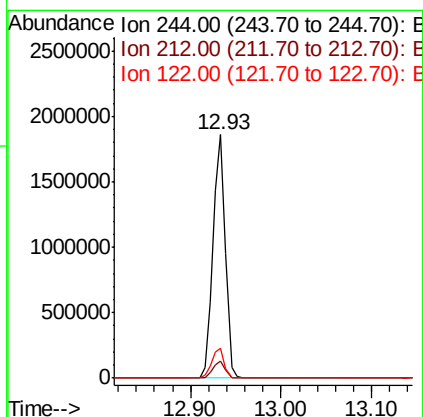
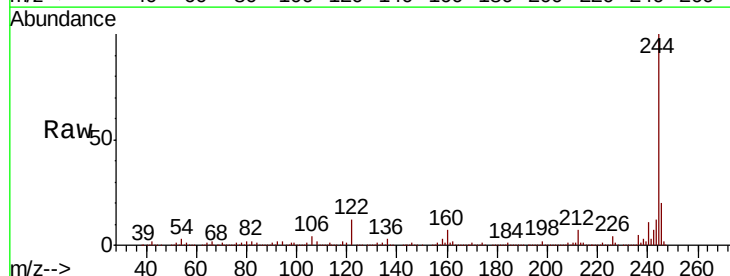
Instrument :
 BNA_F
 ClientSampleId :

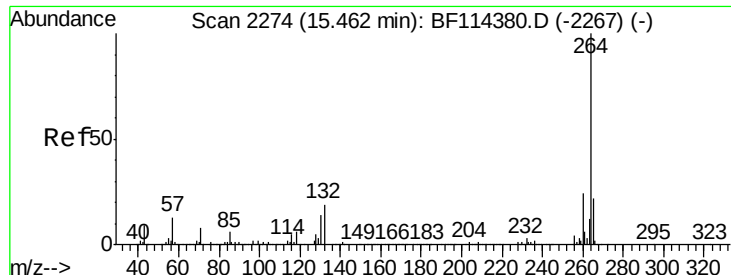
Tot Ion:240 Resp: 521193
 Ion Ratio Lower Upper
 240 100
 120 12.3 8.3 12.5
 236 25.7 20.8 31.2



#79
 Terphenyl-d14
 Concen: 70.437 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF114447.D
 Acq: 21 May 2019 3:36

Tgt Ion:244 Resp: 1780865
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 12.4 9.4 14.2

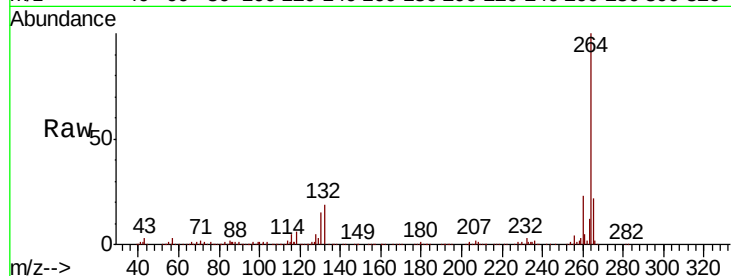




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF114447.D
Acq: 21 May 2019 3:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	21.6	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

