

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114952.D
 Acq On : 11 Jun 2019 19:22
 Operator : HP/JU
 Sample : K3163-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-060719-B

Quant Time: Jun 12 04:32:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

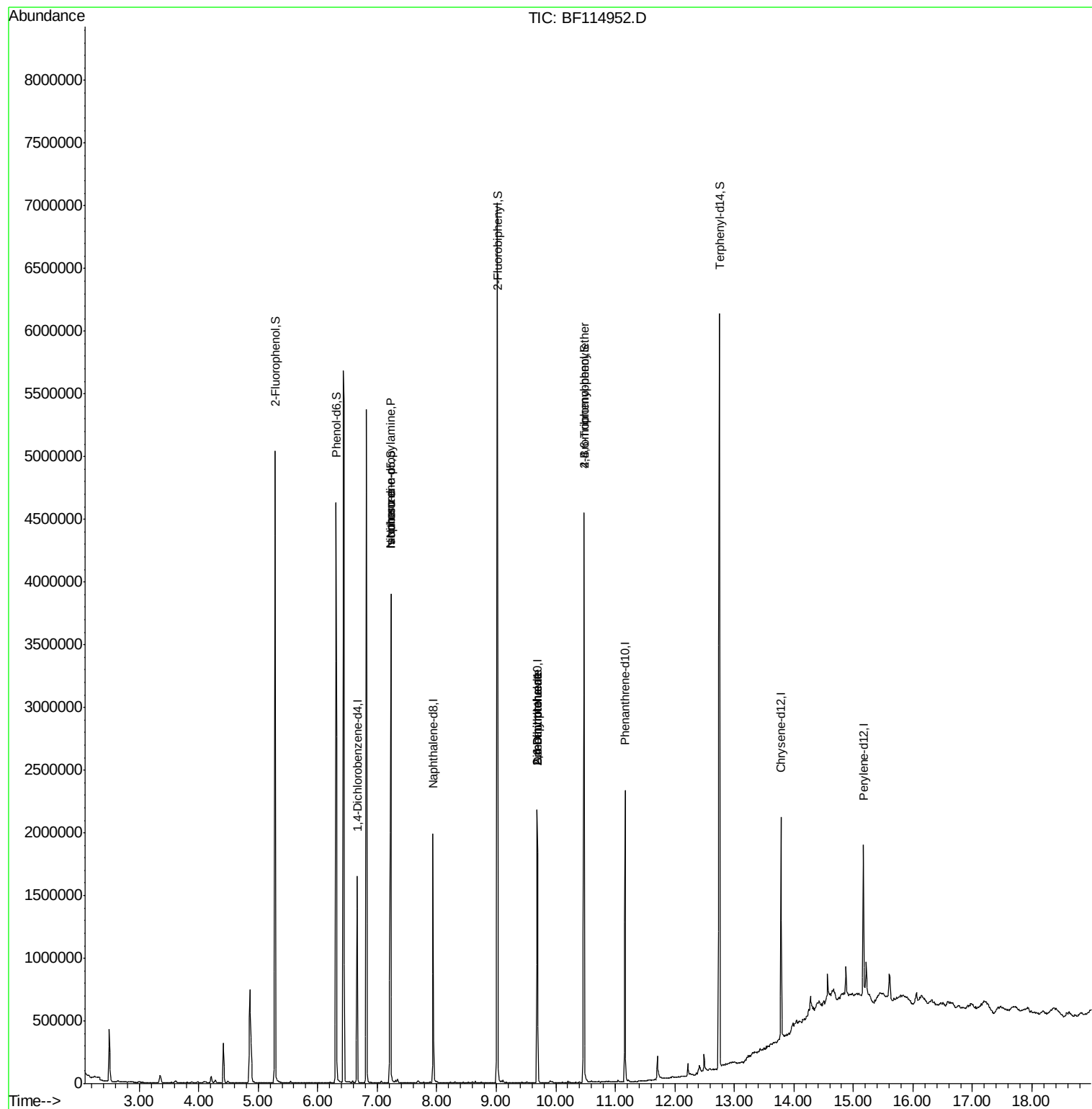
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	250051	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	935393	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	442705	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	777683	20.00	ng	0.00
76) Chrysene-d12	13.79	240	544686	20.00	ng	0.00
87) Perylene-d12	15.17	264	516995	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1609404	108.93	ng	0.02
7) Phenol-d6	6.31	99	1776541	99.69	ng	0.00
23) Nitrobenzene-d5	7.23	82	1356656	89.11	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	584897	121.45	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	2418823	86.71	ng	0.00
79) Terphenyl-d14	12.75	244	2317696	84.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	182008	16.332	ng	# 76
25) Isophorone	7.23	82	1342012	45.016	ng	# 62
50) Dimethylphthalate	9.69	163	123809	3.721	ng	# 1
51) 2,6-Dinitrotoluene	9.69	165	56018	7.330	ng	# 30
57) 2,4-Dinitrotoluene	9.69	165	56018	5.799	ng	# 27
67) 4-Bromophenyl-phenylether	10.47	248	38605	4.583	ng	# 1

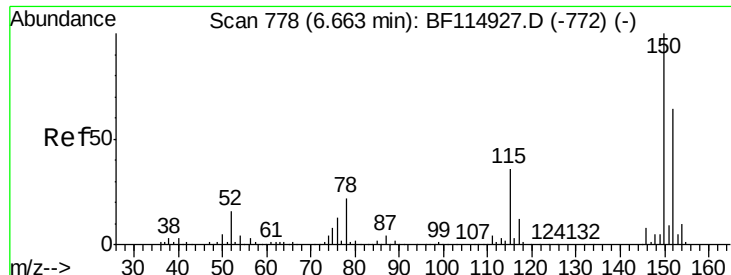
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 10 16:44:00 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.00 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

Instrument :

BNA_F

ClientSampleId :

SU-04-060719-B

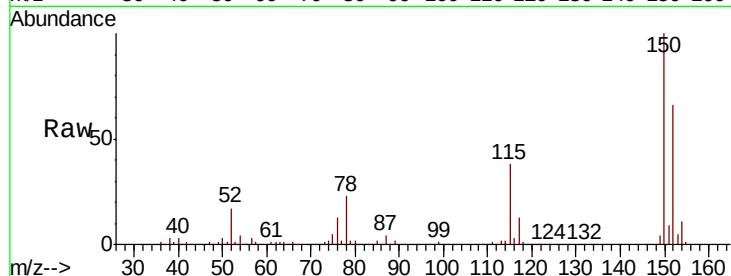
Tot Ion:152 Resp: 250051

Ion Ratio Lower Upper

152 100

150 152.6 125.2 187.8

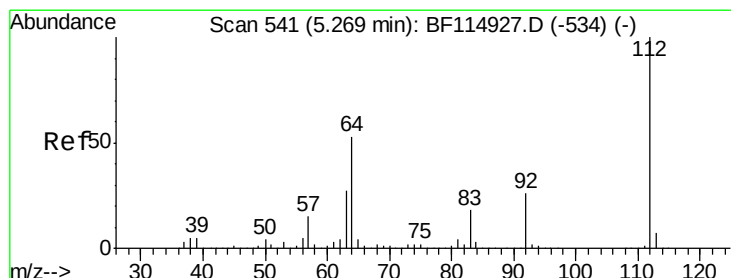
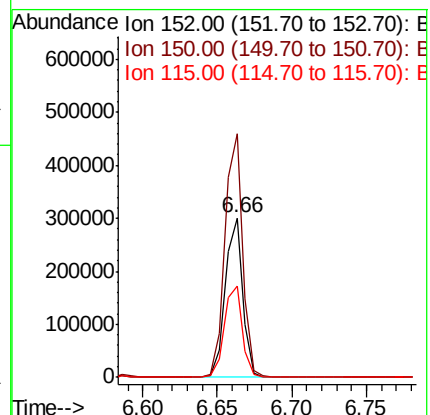
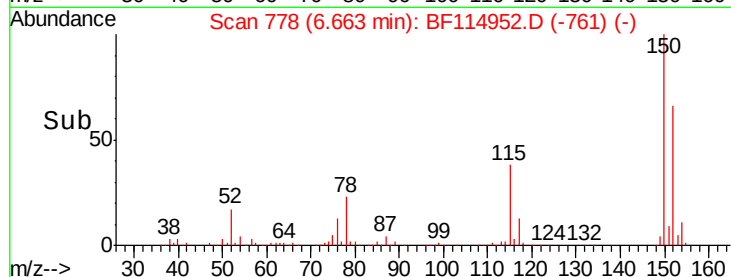
115 57.4 45.0 67.4



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: 108.929 ng

RT: 5.29 min Scan# 544

Delta R.T. 0.02 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

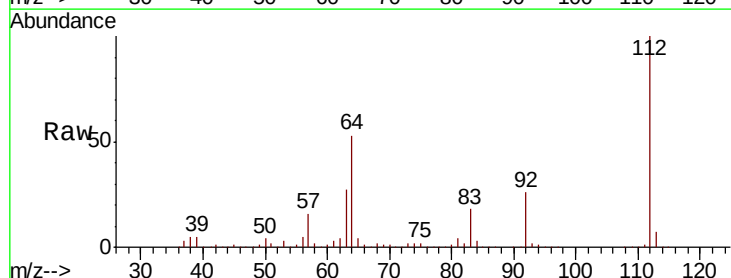
Tgt Ion:112 Resp: 1609404

Ion Ratio Lower Upper

112 100

64 53.1 42.1 63.1

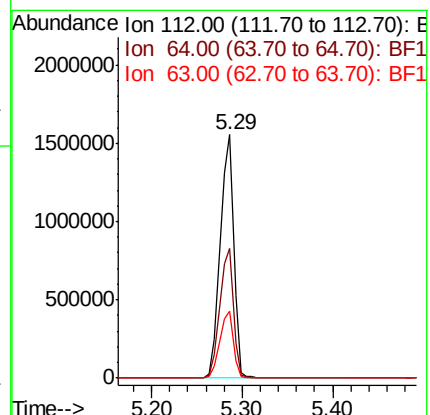
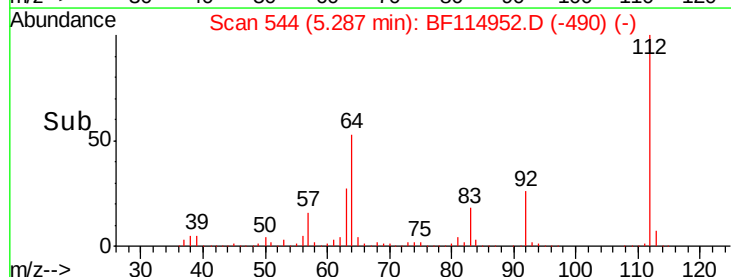
63 27.3 21.8 32.8

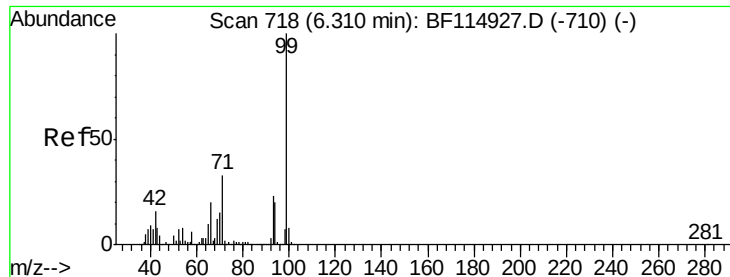


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 99.687 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

Instrument :

BNA_F

ClientSampleId :

SU-04-060719-B

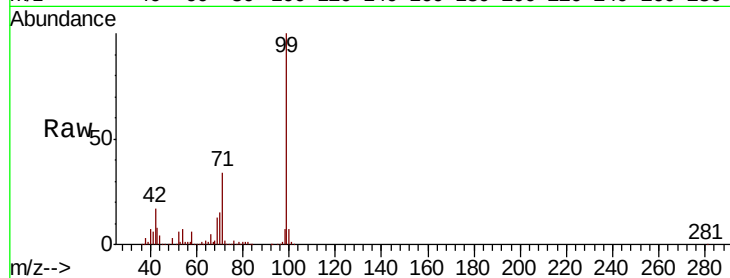
Tot Ion: 99 Resp: 1776541

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.1	19.7
71	34.2	26.8	40.2

99 100

42 17.1 13.1 19.7

71 34.2 26.8 40.2

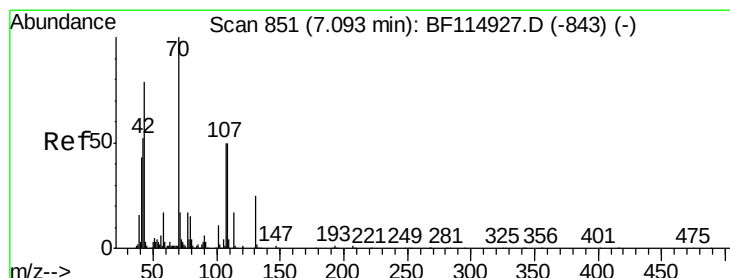
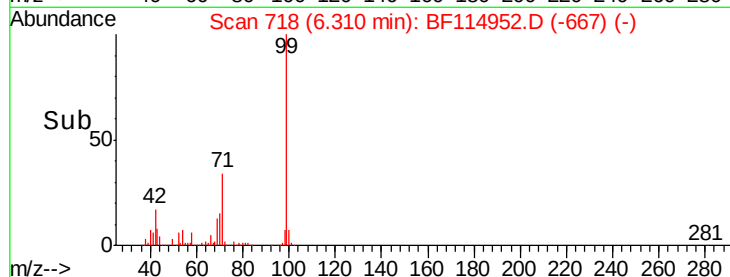
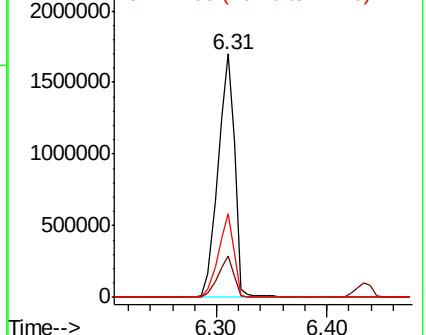


Abundance

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: 16.332 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

Tgt Ion: 70 Resp: 182008

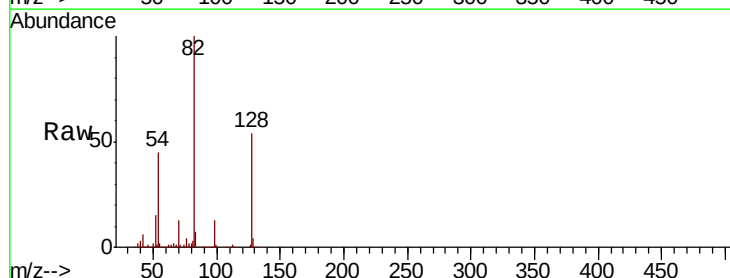
Ion	Ratio	Lower	Upper
70	100		
42	42.6	41.7	62.5
101	0.0	8.4	12.6#
130	2.8	19.9	29.9#

70 100

42 42.6 41.7 62.5

101 0.0 8.4 12.6#

130 2.8 19.9 29.9#



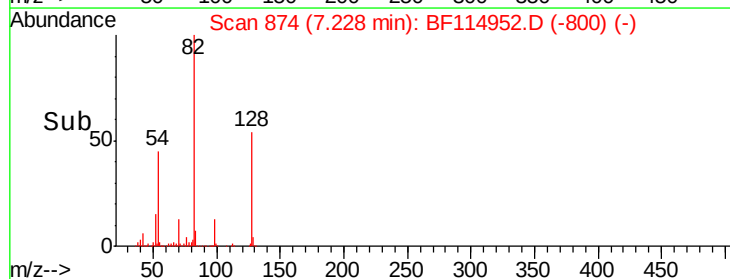
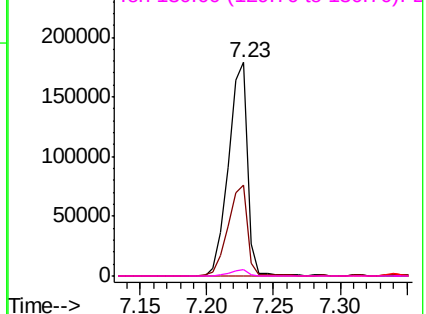
Abundance

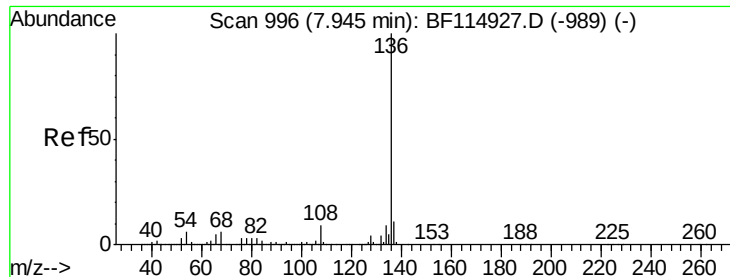
Ion 70.00 (69.70 to 70.70): BF1

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

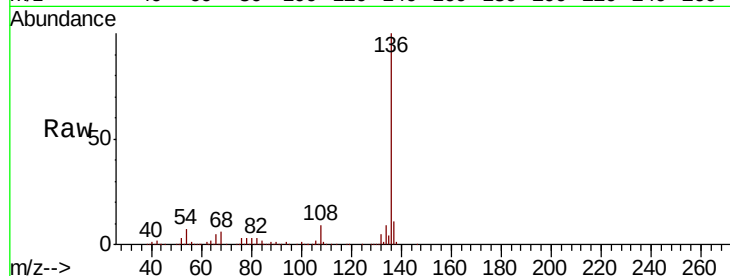




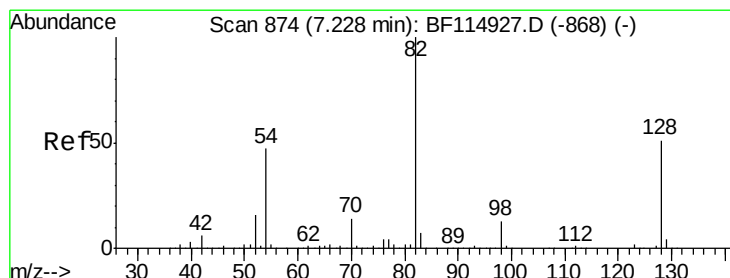
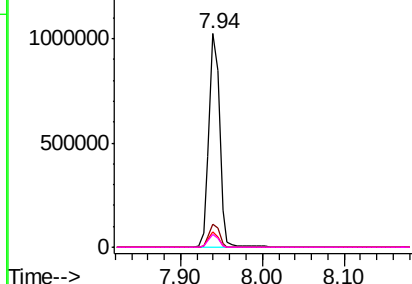
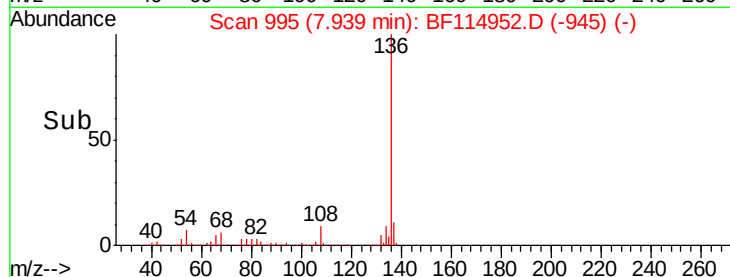
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF114952.D
Acq: 11 Jun 2019 19:22

Instrument :
BNA_F
ClientSampleId :
SU-04-060719-B

Tot Ion:136	Resp:	935393
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.0	13.6
54 7.0	5.2	7.8
68 6.1	4.6	7.0

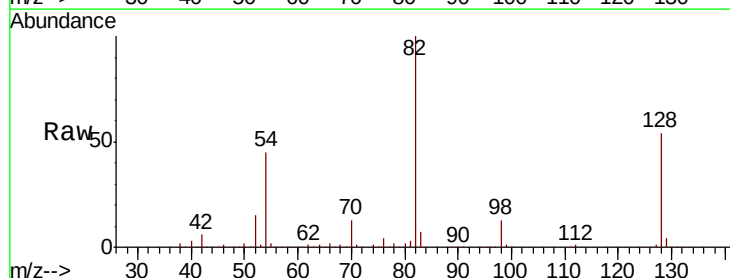


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

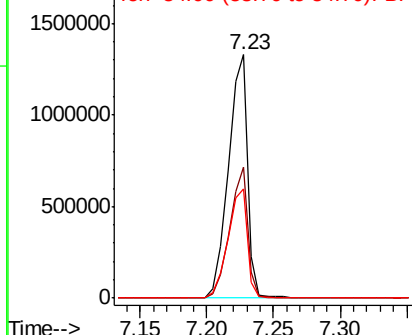
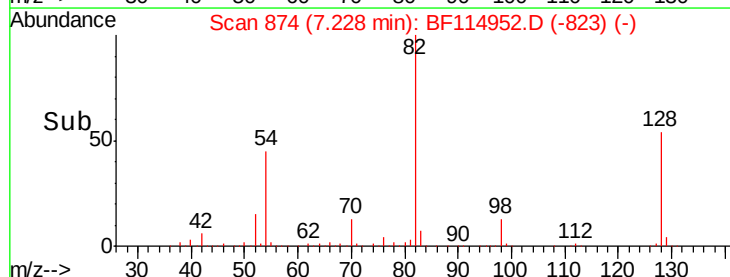


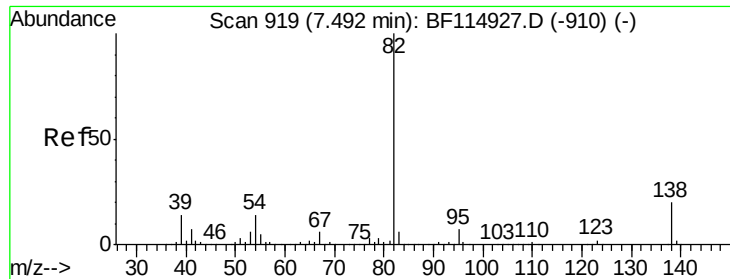
#23
Nitrobenzene-d5
Concen: 89.113 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.00 min
Lab File: BF114952.D
Acq: 11 Jun 2019 19:22

Tgt	Ion: 82	Resp:	1356656
Ion	Ratio	Lower	Upper
82	100		
128	53.7	40.9	61.3
54	45.1	37.4	56.0



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: 45.016 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.26 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

Instrument :

BNA_F

ClientSampleId :

SU-04-060719-B

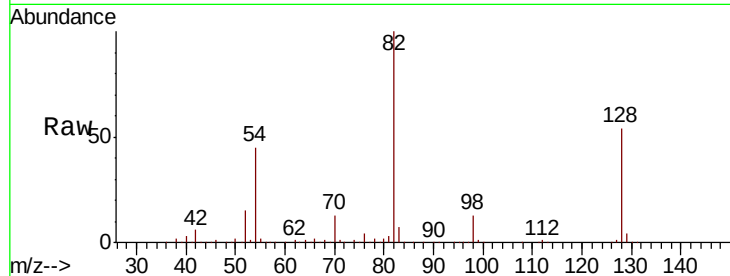
Tot Ion: 82 Resp: 1342012

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

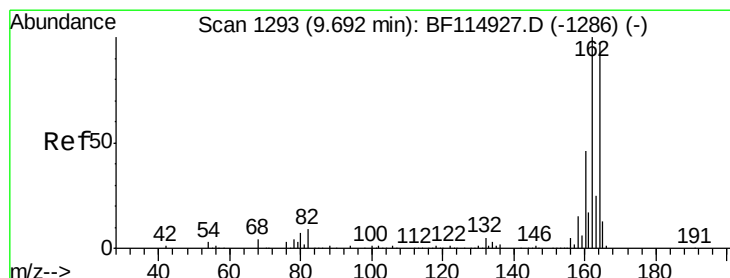
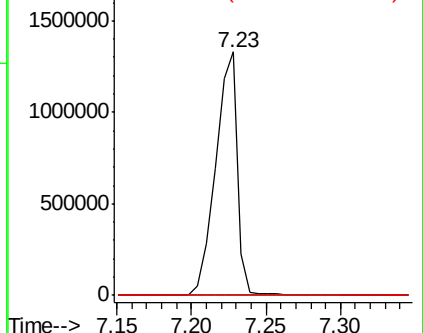
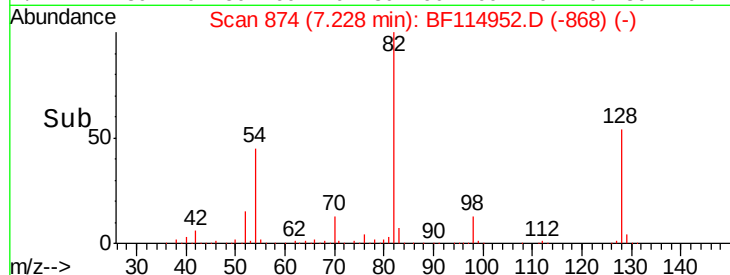
138 0.0 16.4 24.6#



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: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

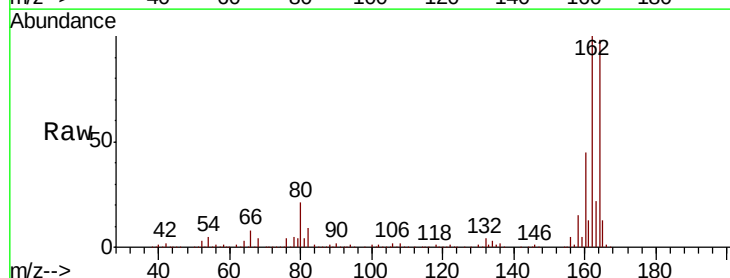
Tgt Ion:164 Resp: 442705

Ion Ratio Lower Upper

164 100

162 101.6 82.4 123.6

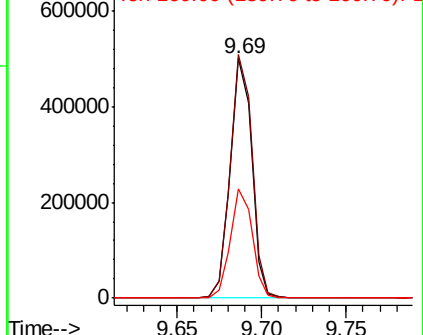
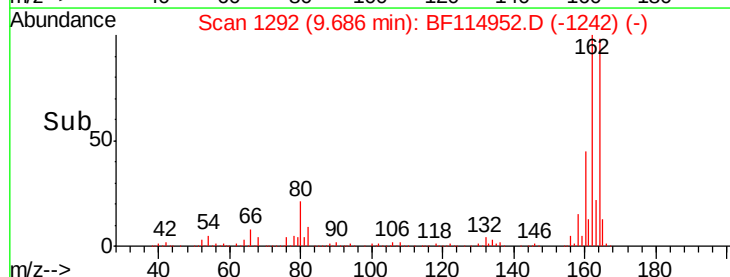
160 45.7 37.5 56.3

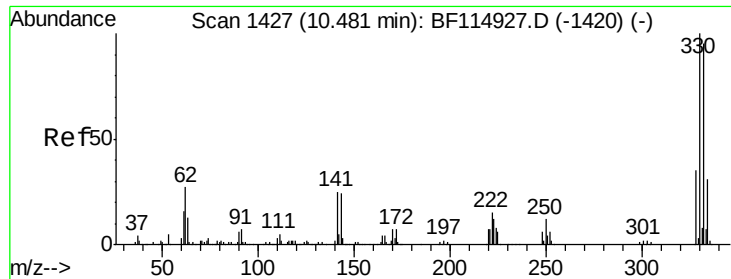


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 121.454 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

Instrument :

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ClientSampleId :

SU-04-060719-B

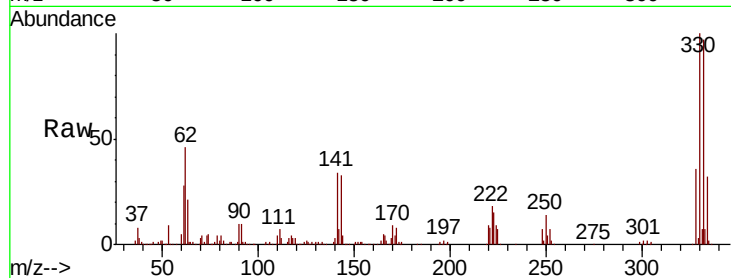
Tot Ion:330 Resp: 584897

Ion Ratio Lower Upper

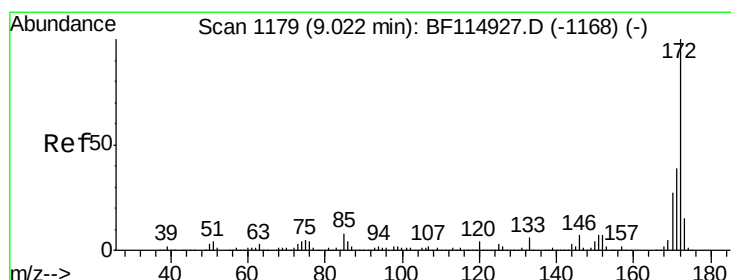
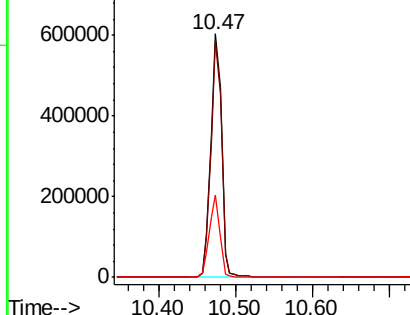
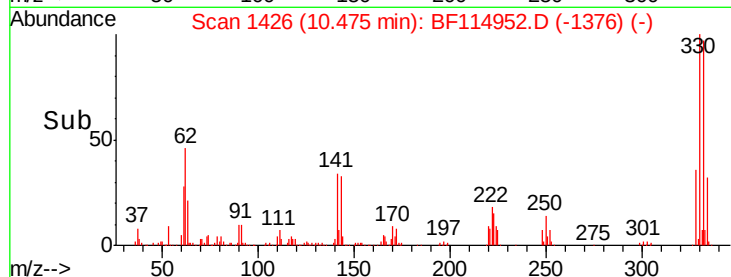
330 100

332 95.5 76.4 114.6

141 33.1 26.8 40.2



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: 86.713 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

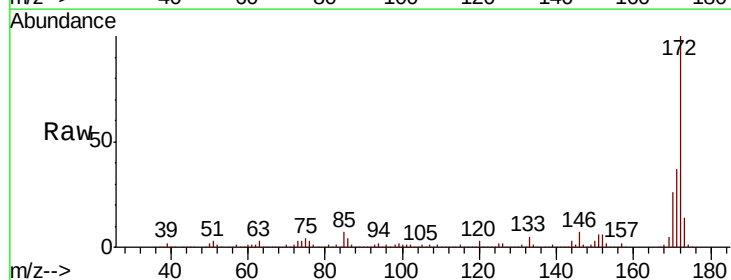
Tgt Ion:172 Resp: 2418823

Ion Ratio Lower Upper

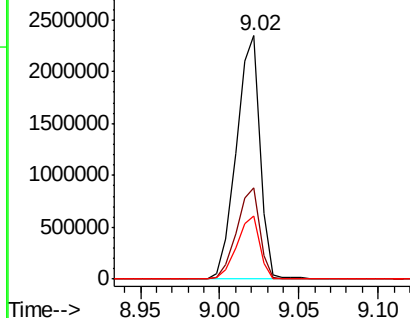
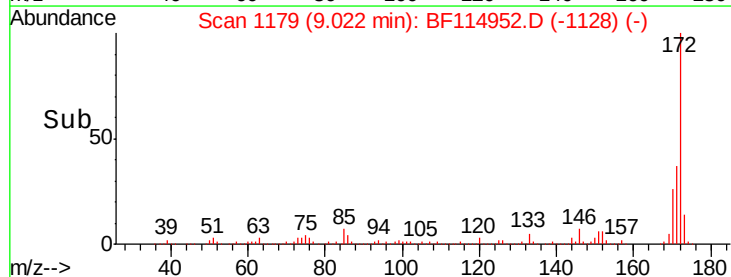
172 100

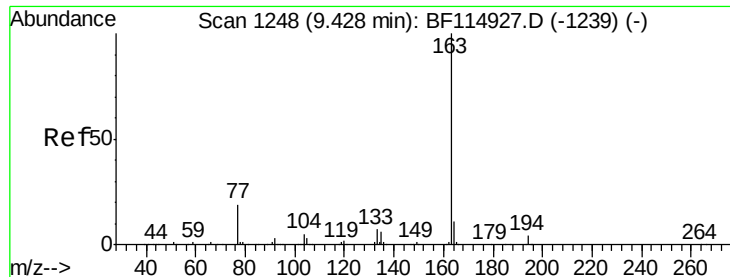
171 37.4 31.3 46.9

170 25.8 21.4 32.0



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: 3.721 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.26 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

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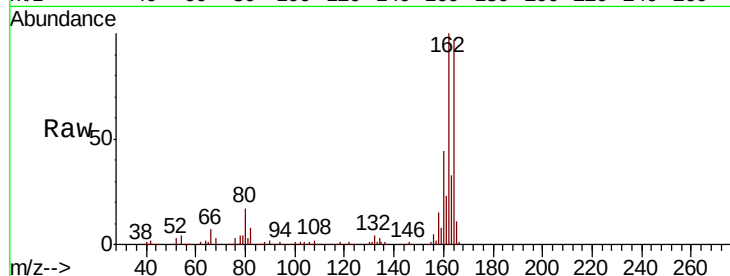
Tot Ion:163 Resp: 123809

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

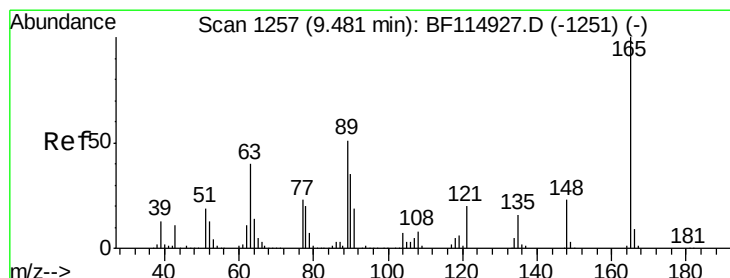
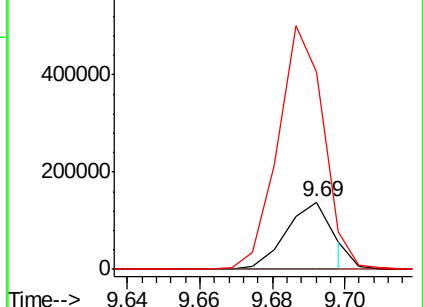
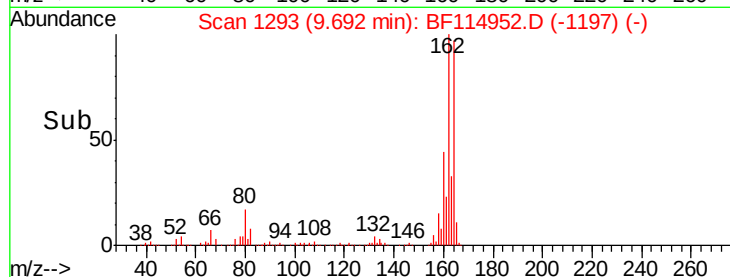
164 294.8 8.7 13.1#



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: 7.330 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.21 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

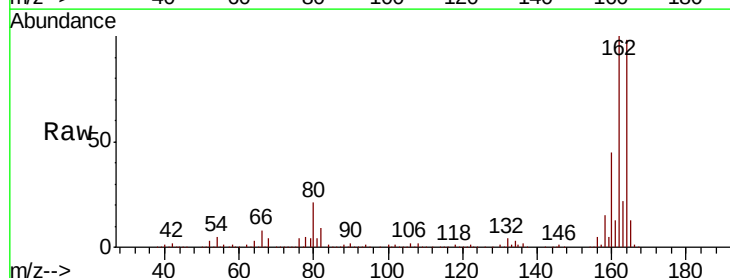
Tgt Ion:165 Resp: 56018

Ion Ratio Lower Upper

165 100

63 1.2 38.3 57.5#

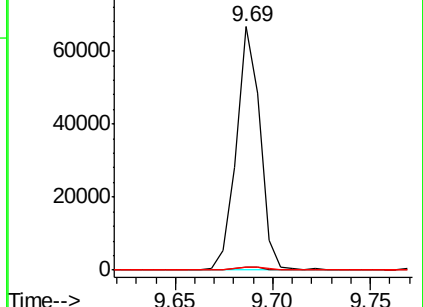
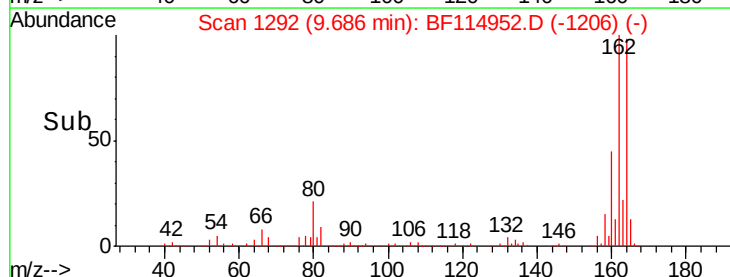
89 1.3 40.8 61.2#

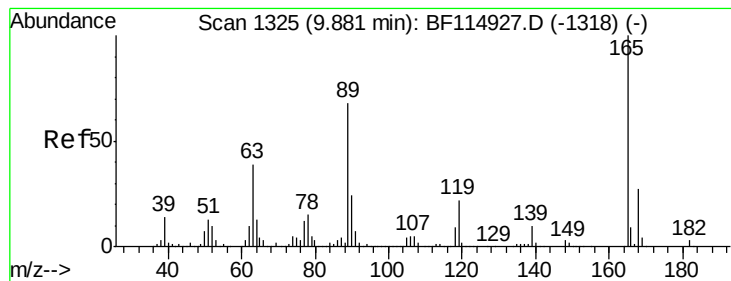


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 5.799 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.19 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

Instrument :

BNA_F

ClientSampleId :

SU-04-060719-B

Tot Ion:165 Resp: 56018

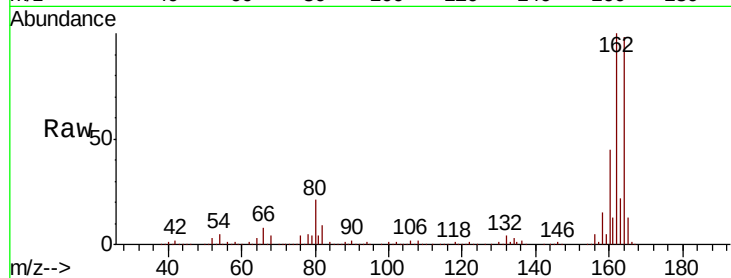
Ion Ratio Lower Upper

165 100

63 1.2 31.8 47.6#

89 1.3 54.2 81.2#

182 0.0 2.1 3.1#



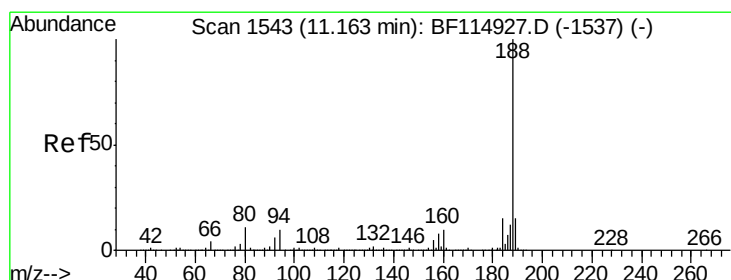
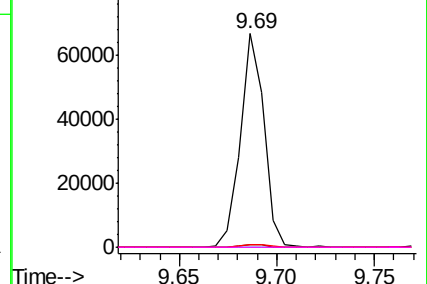
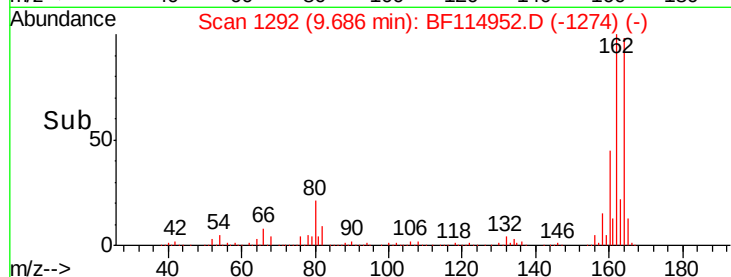
Abundance

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: 11.16 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

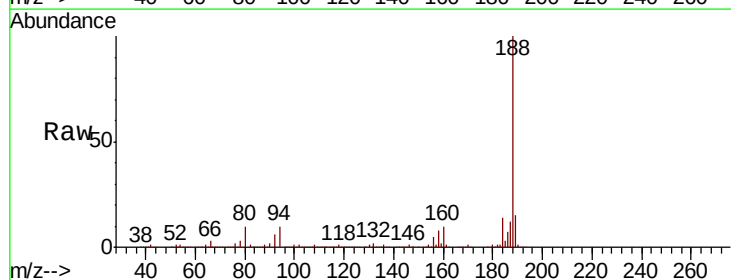
Tgt Ion:188 Resp: 777683

Ion Ratio Lower Upper

188 100

94 10.5 8.1 12.1

80 10.4 8.6 12.8

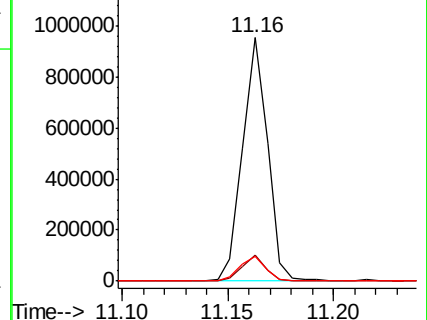
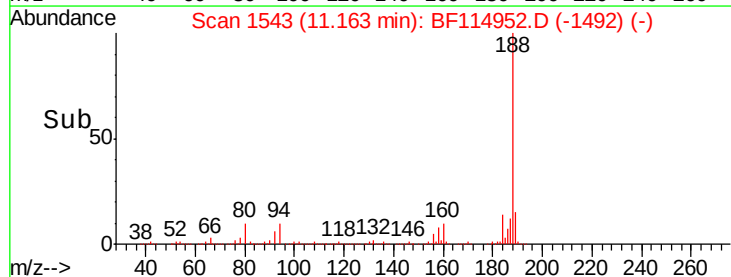


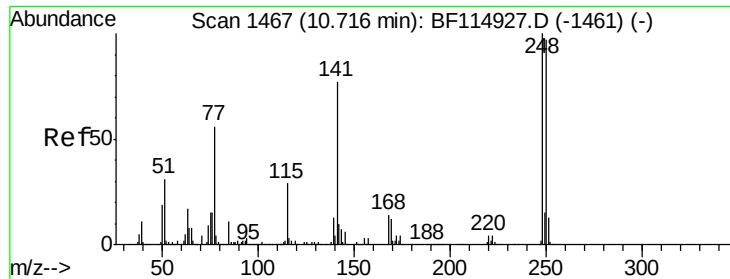
Abundance

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

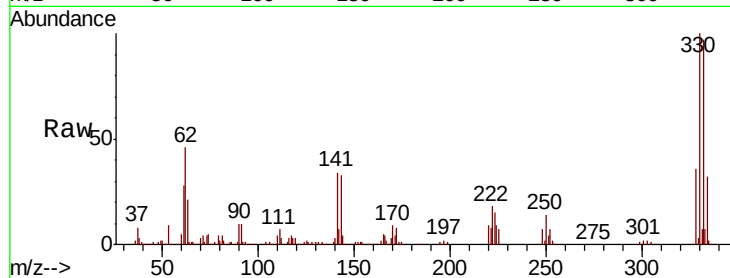




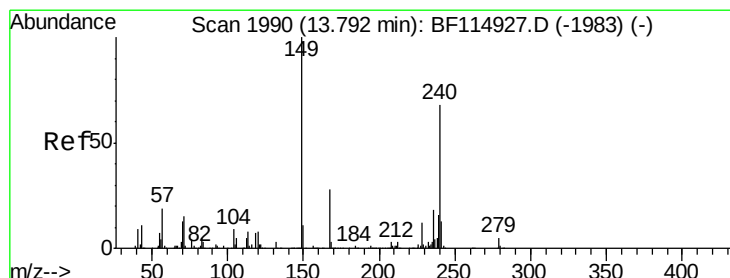
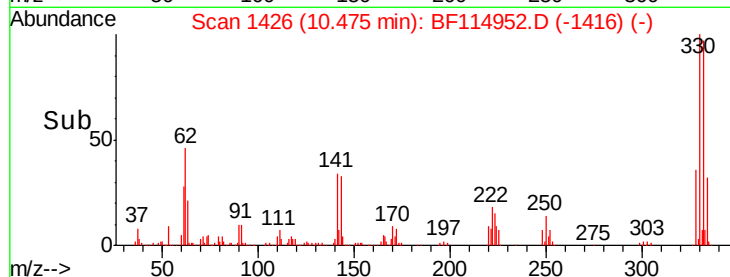
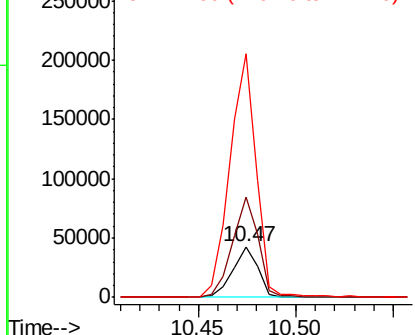
#67
4-Bromophenyl-phenylether
Concen: 4.583 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.24 min
Lab File: BF114952.D
Acq: 11 Jun 2019 19:22

Instrument :
BNA_F
ClientSampleId :
SU-04-060719-B

Tot Ion:248 Resp: 38605
Ion Ratio Lower Upper
248 100
250 195.6 77.4 116.0#
141 477.9 61.8 92.6#

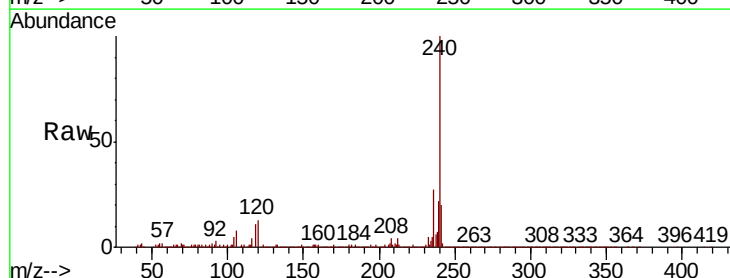


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

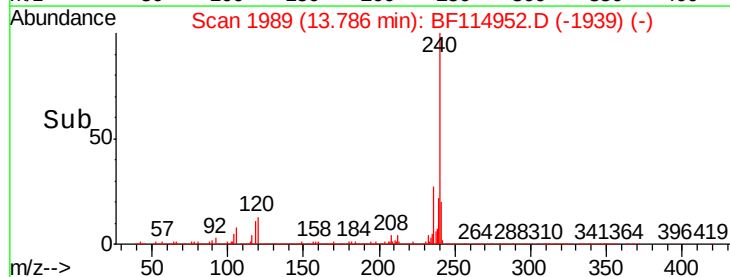
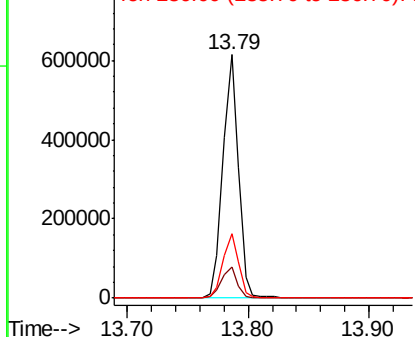


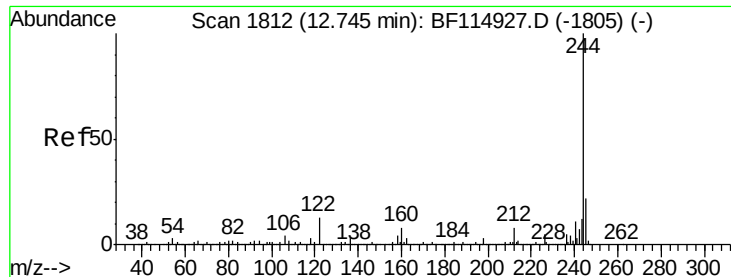
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114952.D
Acq: 11 Jun 2019 19:22

Tgt Ion:240 Resp: 544686
Ion Ratio Lower Upper
240 100
120 12.9 9.2 13.8
236 26.6 21.7 32.5



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: 84.622 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

Instrument :

BNA_F

ClientSampleId :

SU-04-060719-B

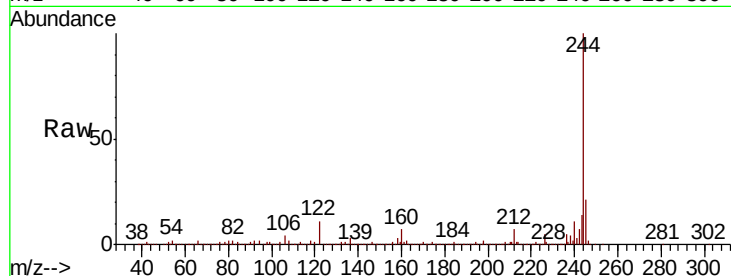
Tot Ion:244 Resp: 2317696

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

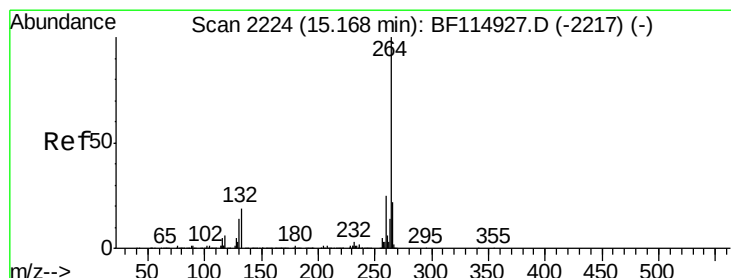
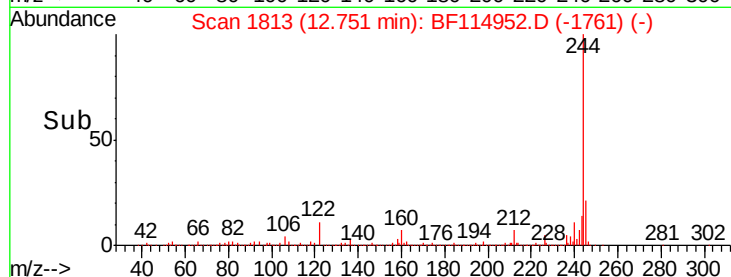
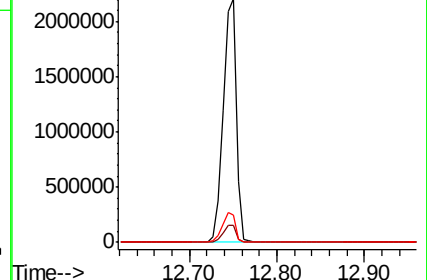
122 11.2 10.2 15.4



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: 15.17 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BF114952.D

Acq: 11 Jun 2019 19:22

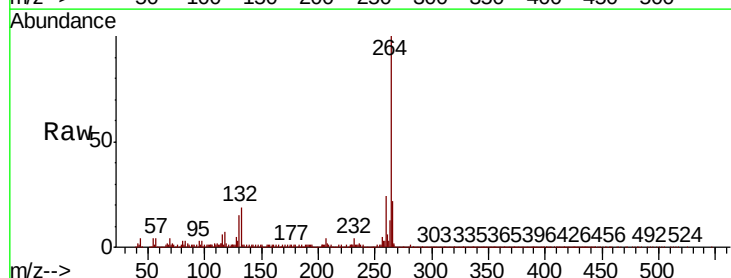
Tgt Ion:264 Resp: 516995

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

265 21.5 17.5 26.3



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

