

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013019\
 Data File : BF112330.D
 Acq On : 30 Jan 2019 19:11
 Operator : JU/SJ
 Sample : K1282-13 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Jan 30 23:44:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

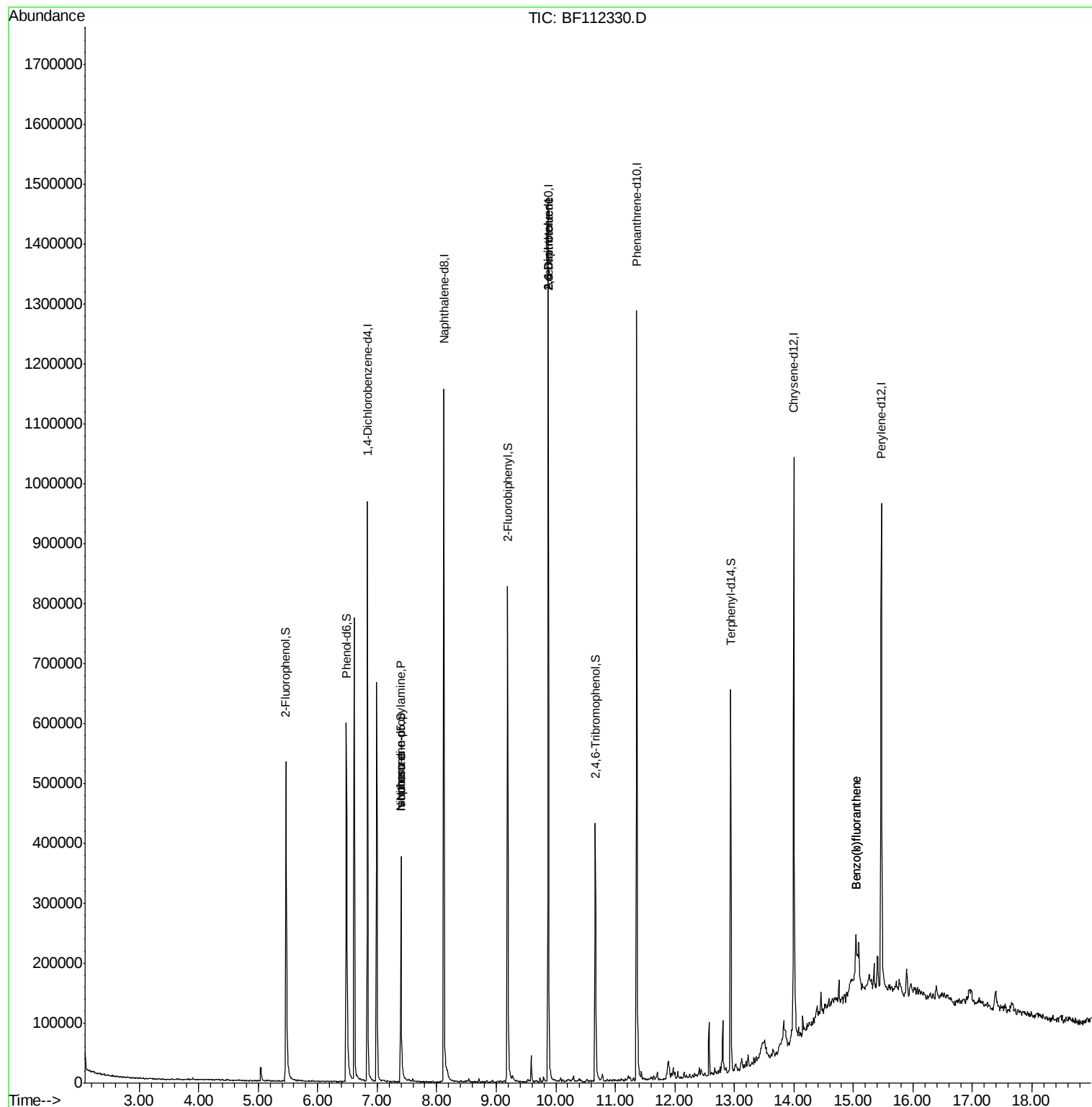
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	163209	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	636961	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	298697	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	539318	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	343936	20.00	ng	-0.01
87) Perylene-d12	15.47	264	356659	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	180508	23.49	ng	-0.01
7) Phenol-d6	6.48	99	241336	22.60	ng	-0.01
23) Nitrobenzene-d5	7.40	82	149542	13.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	61141	17.59	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	284659	13.48	ng	-0.01
79) Terphenyl-d14	12.94	244	210854	11.55	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	19617	2.665	ng	# 73
25) Isophorone	7.40	82	149542	8.623	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	37896	7.291	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	38011	5.745	ng	# 31
88) Benzo(b)fluoranthene	15.04	252	44913	2.106	ng	# 89
89) Benzo(k)fluoranthene	15.04	252	44913	2.198	ng	# 90

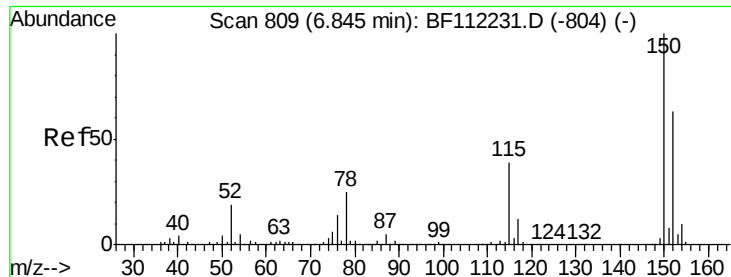
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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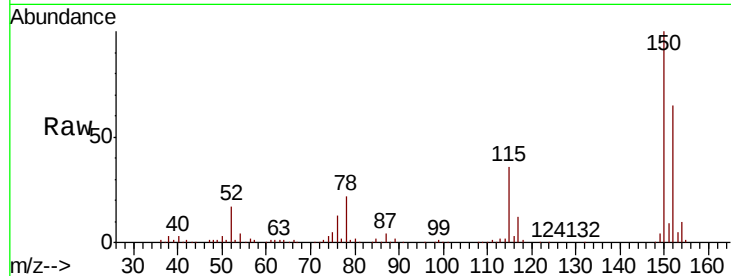


#1

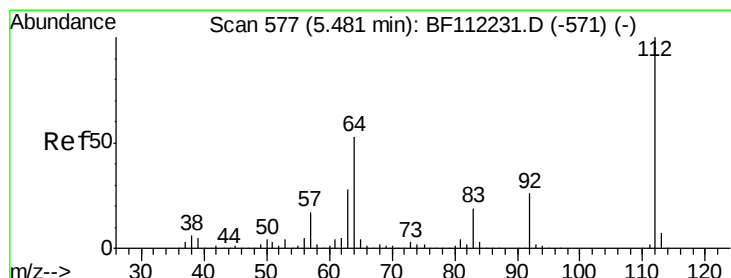
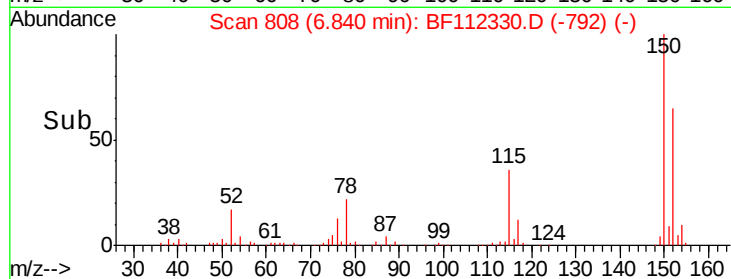
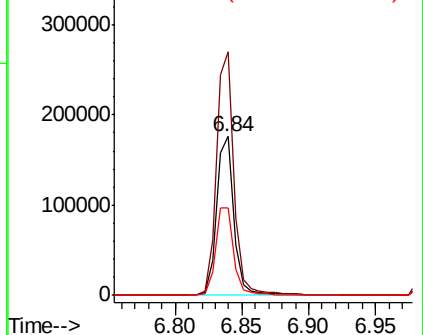
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112330.D
Acq: 30 Jan 2019 19:11

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 163209
Ion Ratio Lower Upper
152 100
150 153.4 127.4 191.0
115 55.5 45.5 68.3



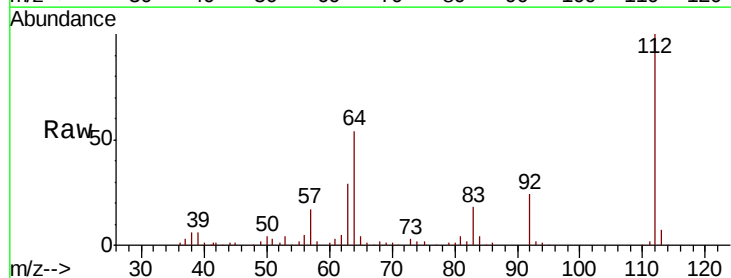
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



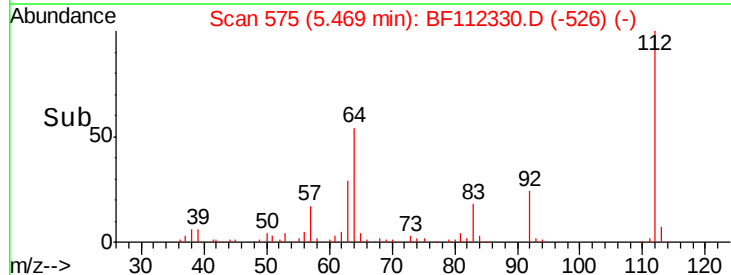
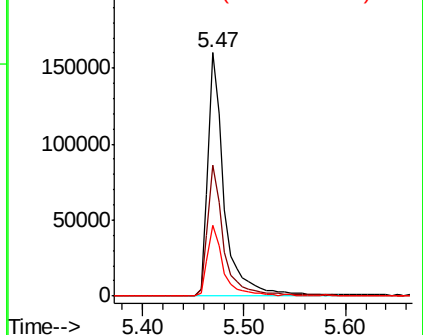
#5

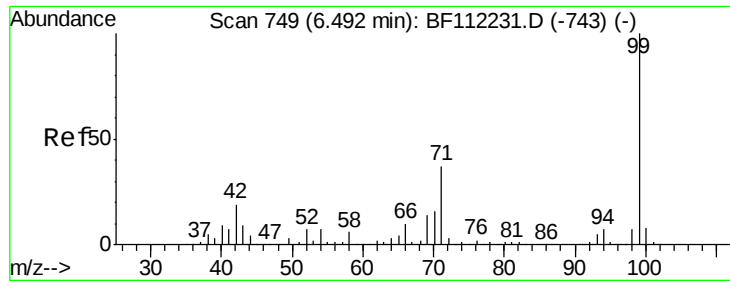
2-Fluorophenol
Concen: 23.492 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112330.D
Acq: 30 Jan 2019 19:11

Tgt Ion:112 Resp: 180508
Ion Ratio Lower Upper
112 100
64 53.9 45.7 68.5
63 29.3 23.6 35.4



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: 22.603 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

Instrument :

BNA_F

ClientSampled :

TP-4

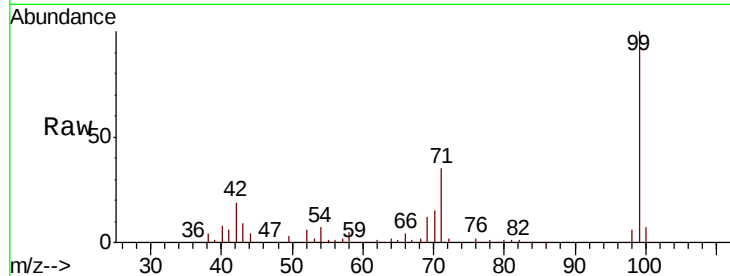
Tgt Ion: 99 Resp: 241336

Ion Ratio Lower Upper

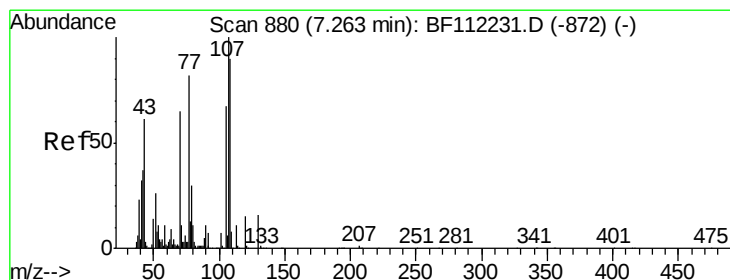
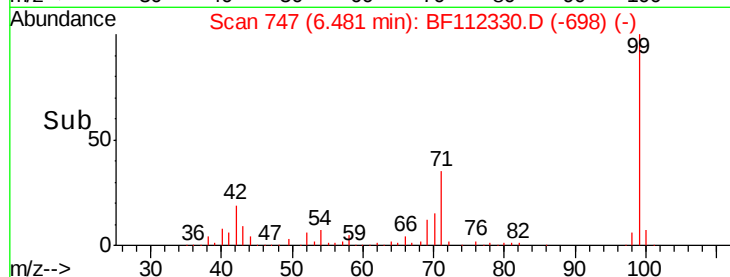
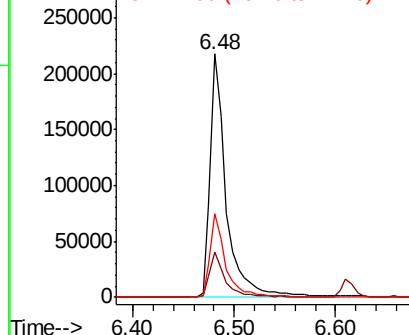
99 100

42 18.6 15.1 22.7

71 34.6 26.9 40.3



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: 2.665 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

Tgt Ion: 70 Resp: 19617

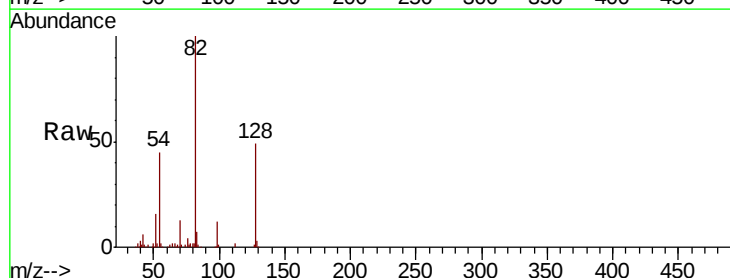
Ion Ratio Lower Upper

70 100

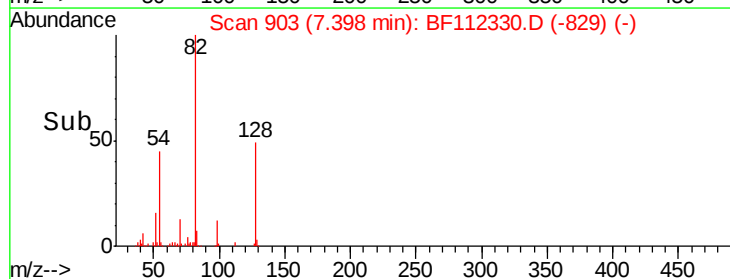
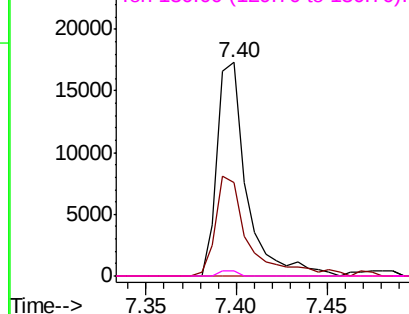
42 43.8 47.6 71.4#

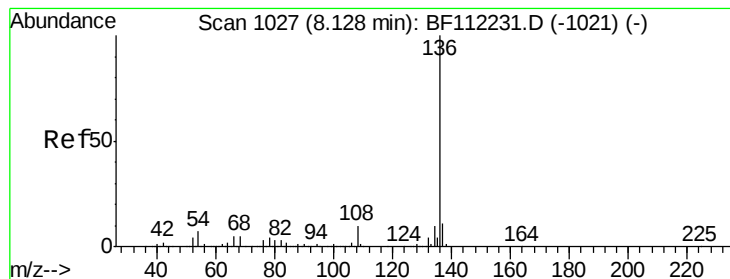
101 0.0 7.9 11.9#

130 2.2 18.4 27.6#



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# 1026

Delta R.T. -0.01 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion:136 Resp: 636961

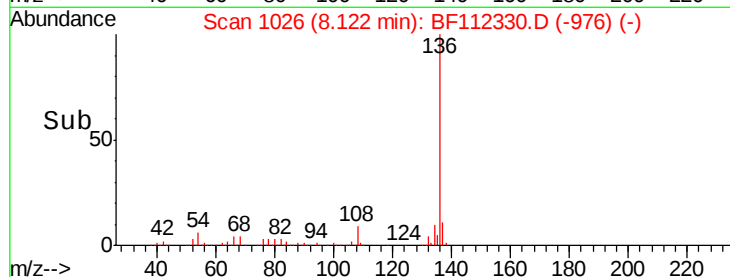
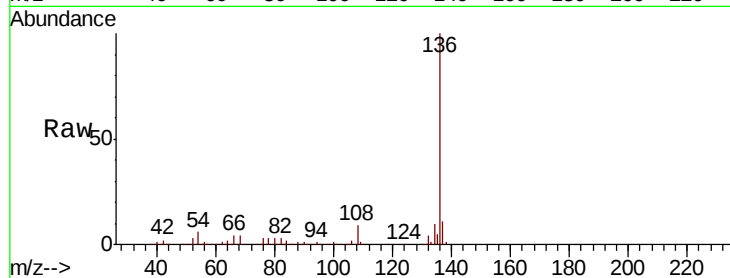
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.6 5.9 8.9#

68 4.5 5.1 7.7#

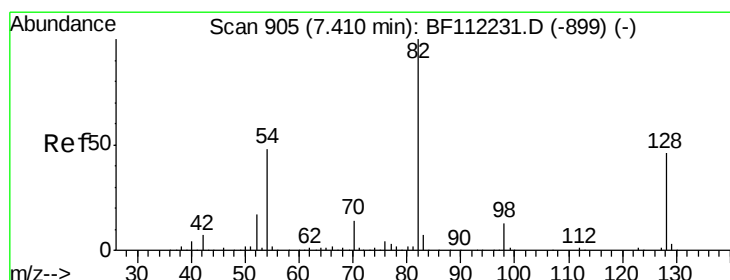
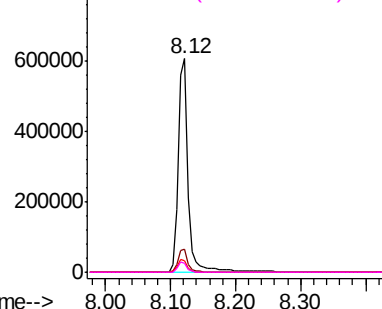


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.528 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

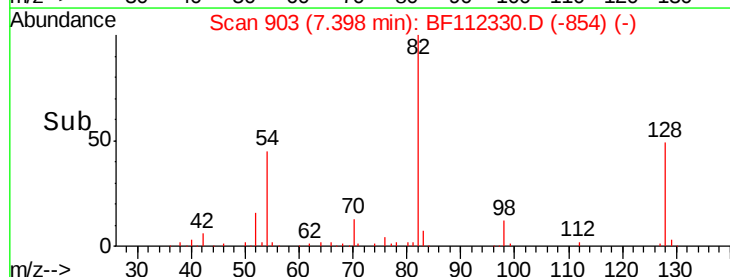
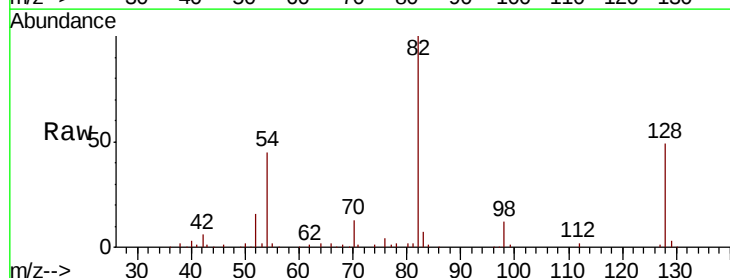
Tgt Ion: 82 Resp: 149542

Ion Ratio Lower Upper

82 100

128 49.1 37.8 56.8

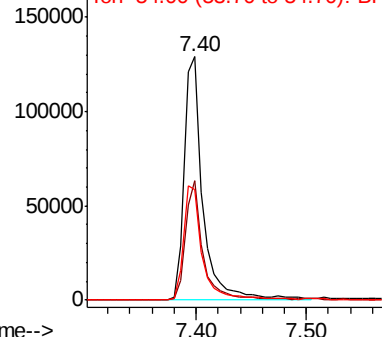
54 45.5 39.7 59.5

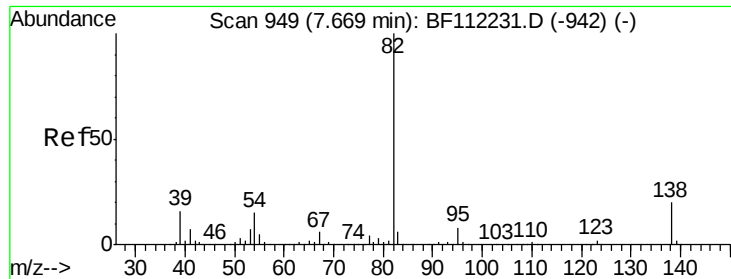


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.623 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-4

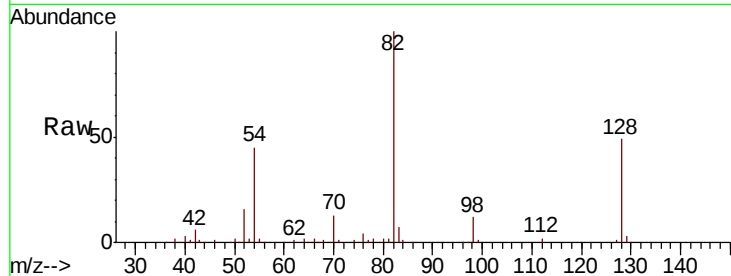
Tgt Ion: 82 Resp: 149542

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

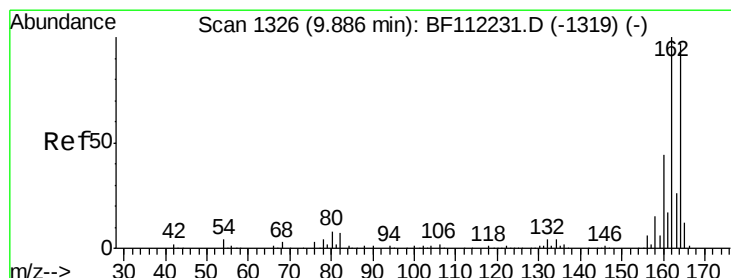
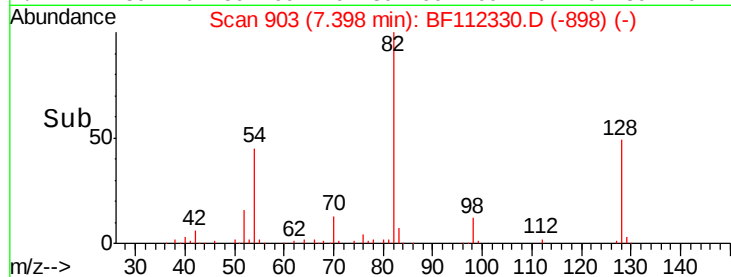
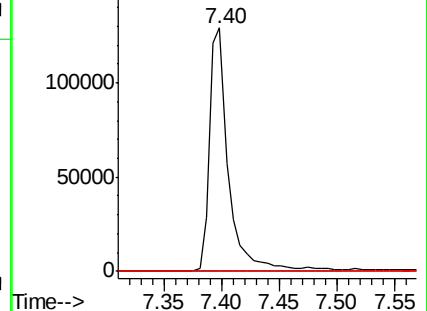
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

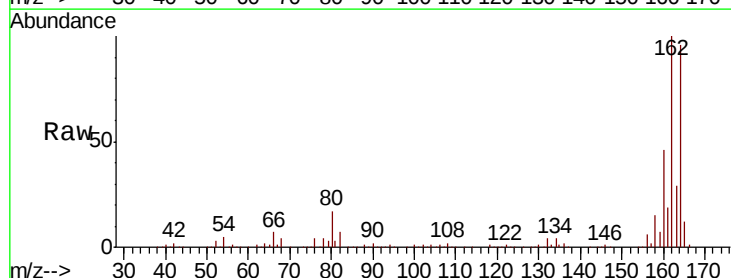
Tgt Ion: 164 Resp: 298697

Ion Ratio Lower Upper

164 100

162 104.0 82.2 123.4

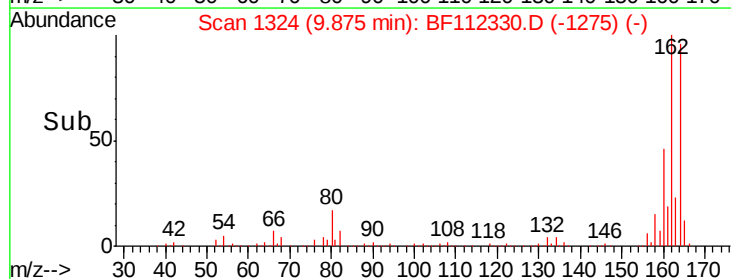
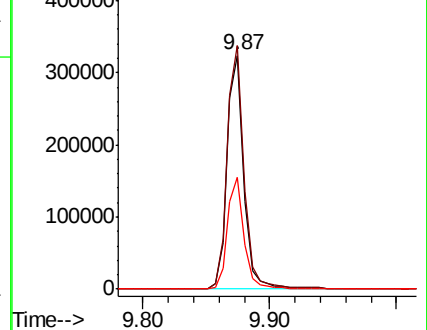
160 47.8 36.2 54.4

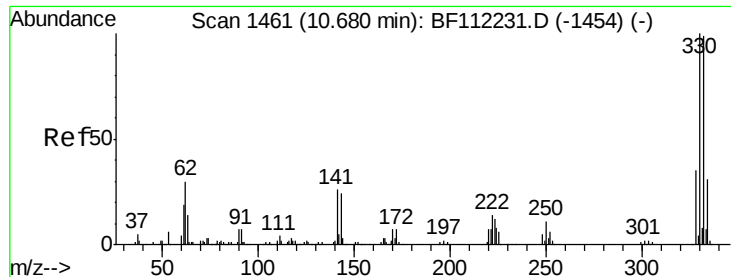


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 17.586 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-4

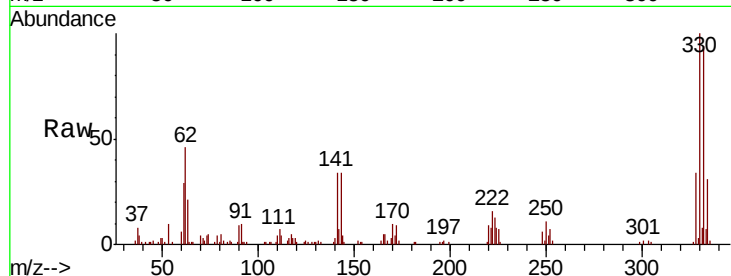
Tgt Ion:330 Resp: 61141

Ion Ratio Lower Upper

330 100

332 99.0 76.6 114.8

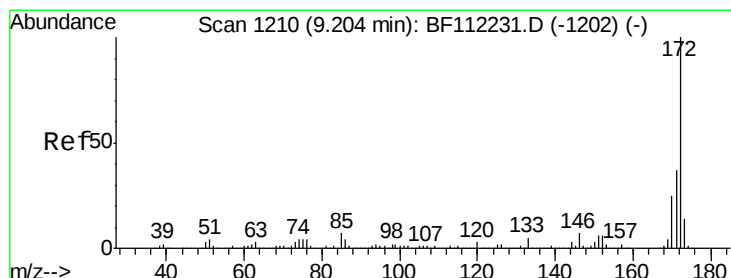
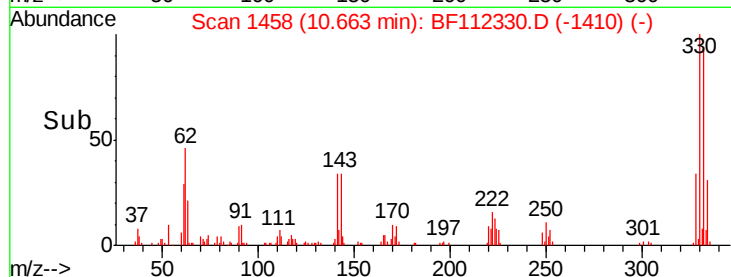
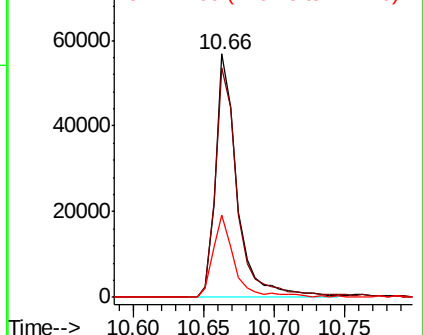
141 32.8 24.3 36.5



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: 13.479 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

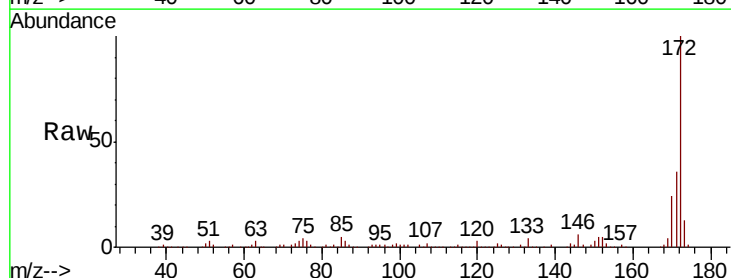
Tgt Ion:172 Resp: 284659

Ion Ratio Lower Upper

172 100

171 35.6 30.5 45.7

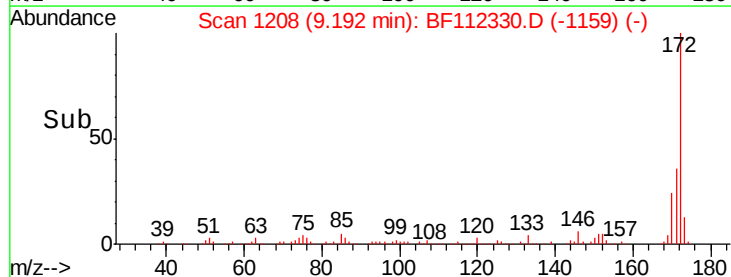
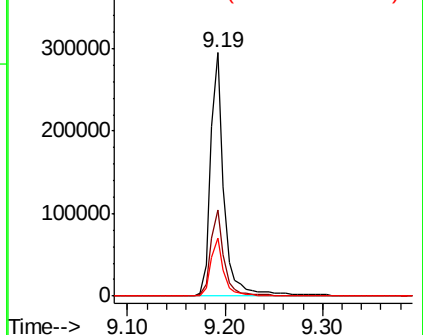
170 23.8 20.2 30.4

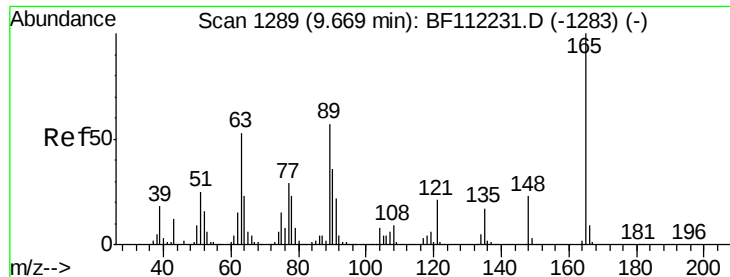


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.291 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-4

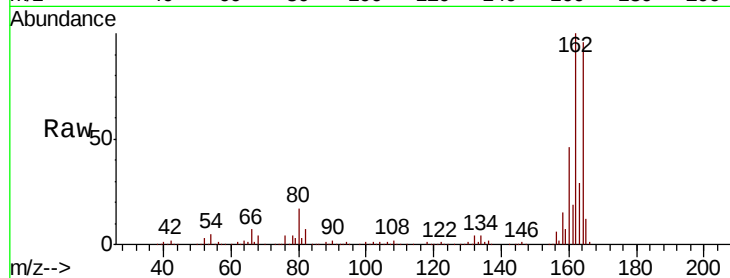
Tgt Ion:165 Resp: 37896

Ion Ratio Lower Upper

165 100

63 1.4 33.8 50.8#

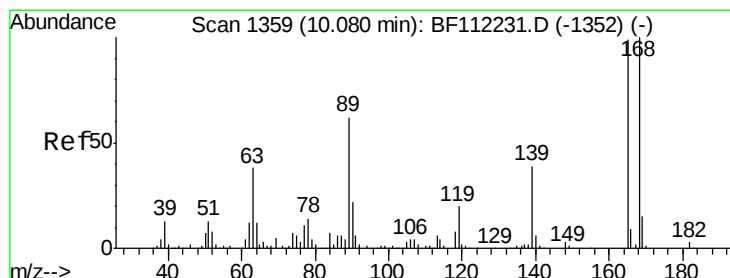
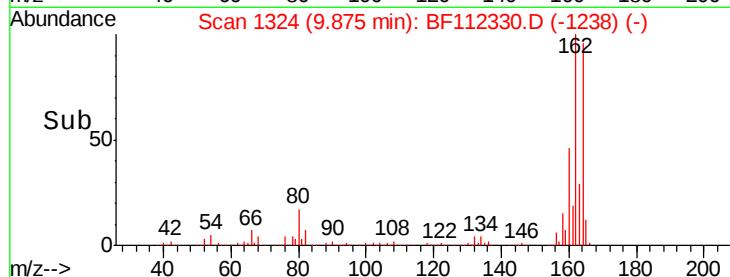
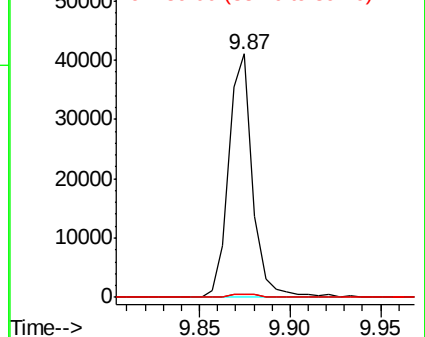
89 1.2 36.9 55.3#



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: 5.745 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

Tgt Ion:165 Resp: 38011

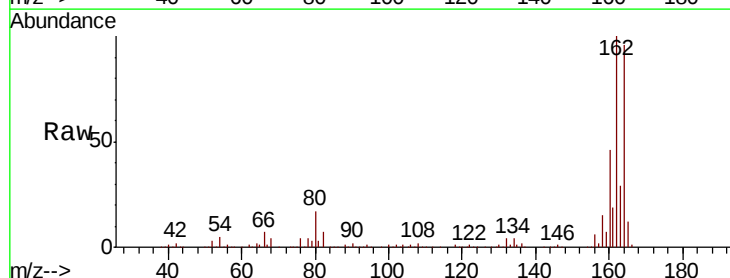
Ion Ratio Lower Upper

165 100

63 1.4 27.9 41.9#

89 1.2 47.9 71.9#

182 0.0 2.2 3.4#

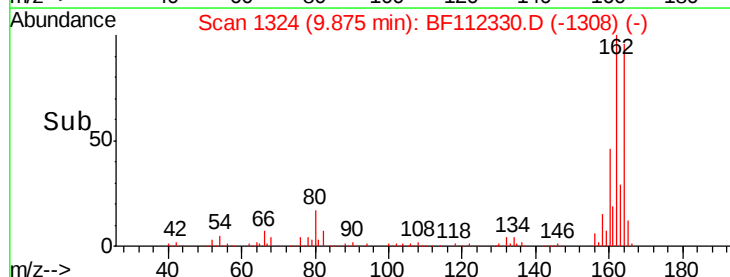
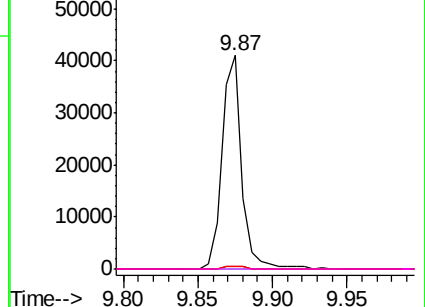


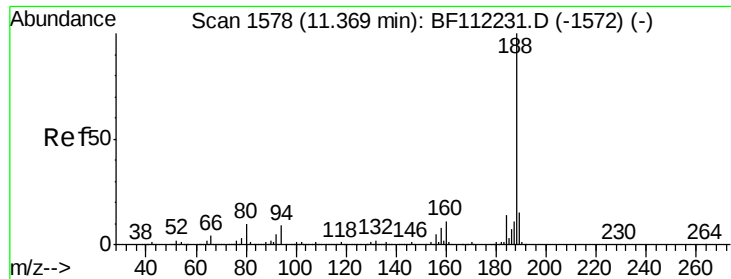
Abundance Ion 165.00 (164.70 to 165.70): E

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

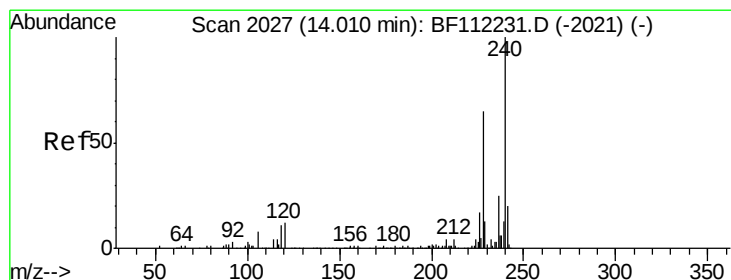
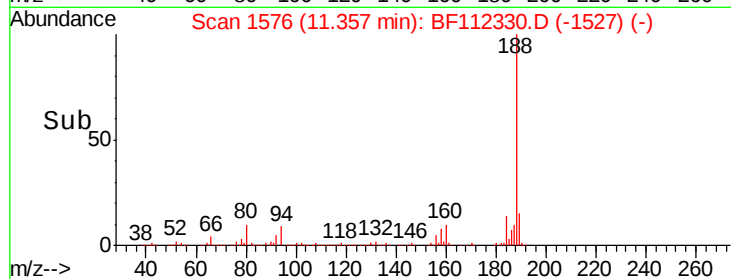
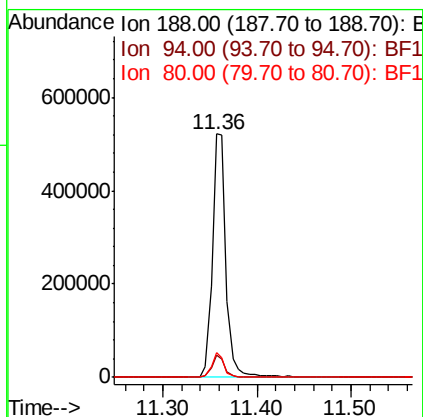
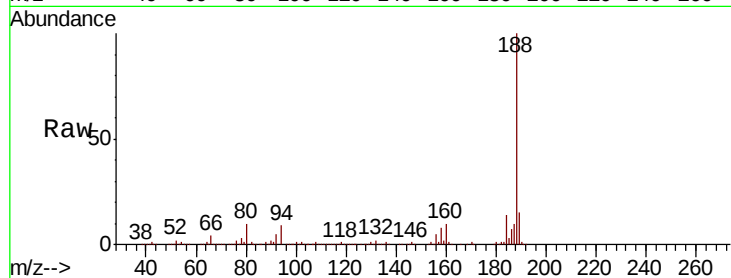




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112330.D
Acq: 30 Jan 2019 19:11

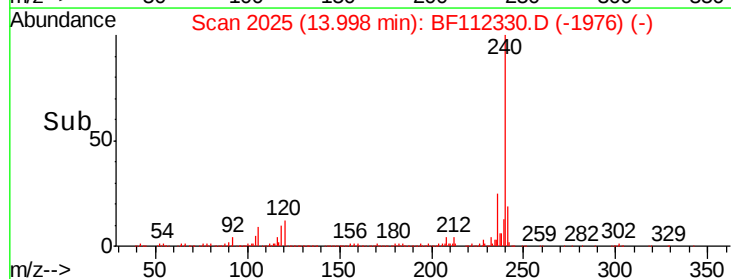
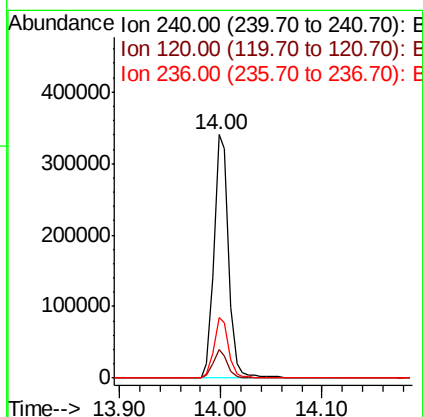
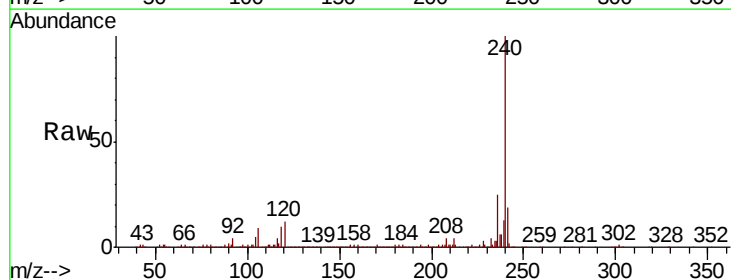
Instrument :
BNA_F
ClientSampleId :
TP-4

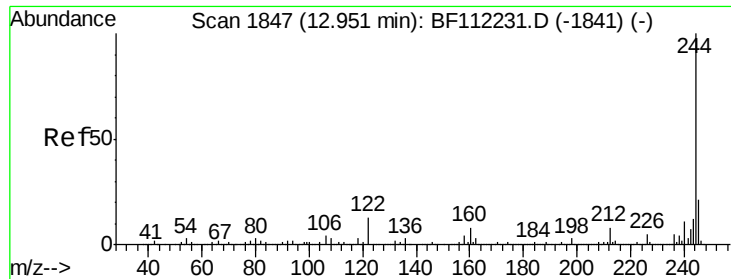
Tgt Ion:188 Resp: 539318
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.2
80 10.3 8.9 13.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112330.D
Acq: 30 Jan 2019 19:11

Tgt Ion:240 Resp: 343936
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.6
236 25.0 20.7 31.1





#79

Terphenyl-d14

Concen: 11.547 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-4

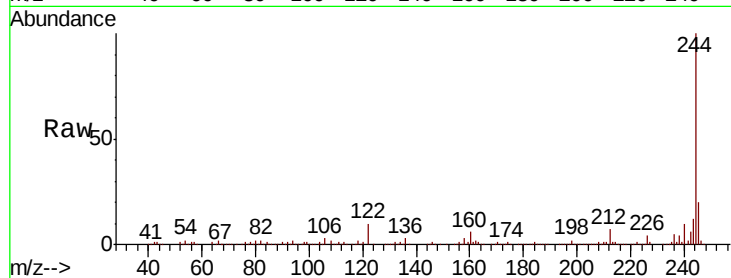
Tgt Ion:244 Resp: 210854

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

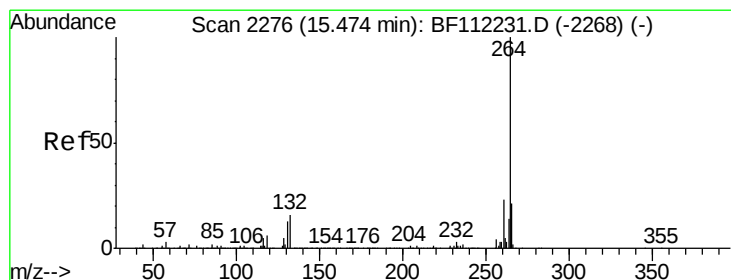
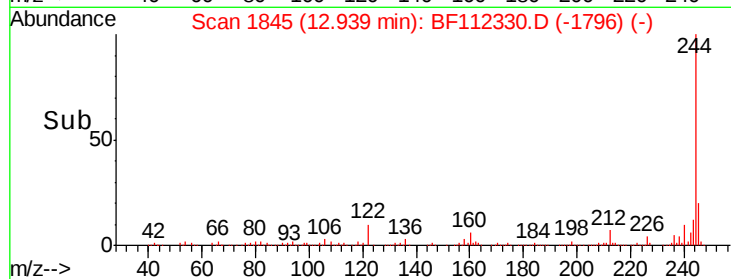
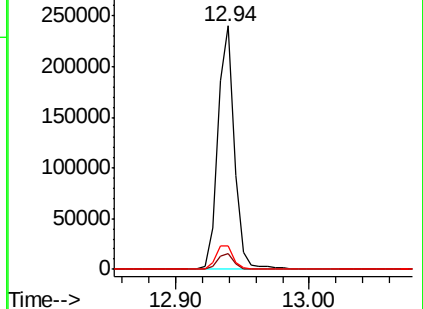
122 9.7 9.8 14.6#



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112330.D

Acq: 30 Jan 2019 19:11

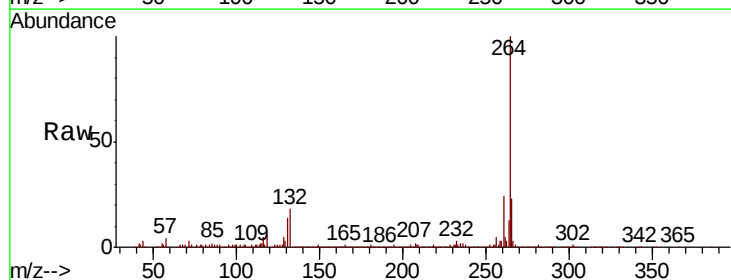
Tgt Ion:264 Resp: 356659

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

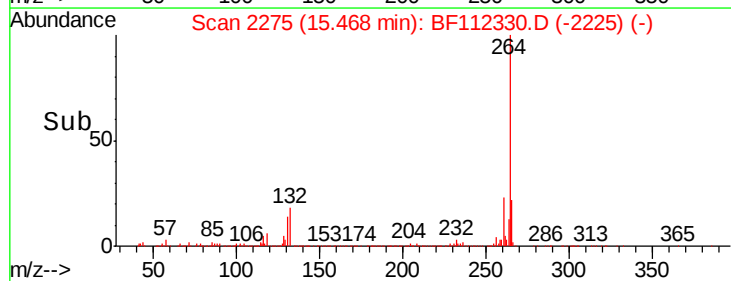
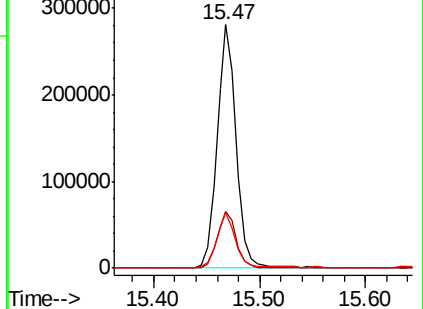
265 22.6 17.0 25.4

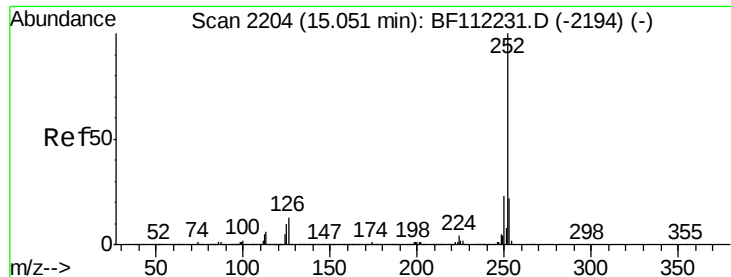


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

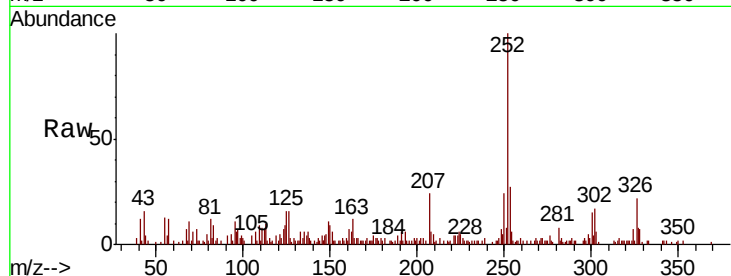




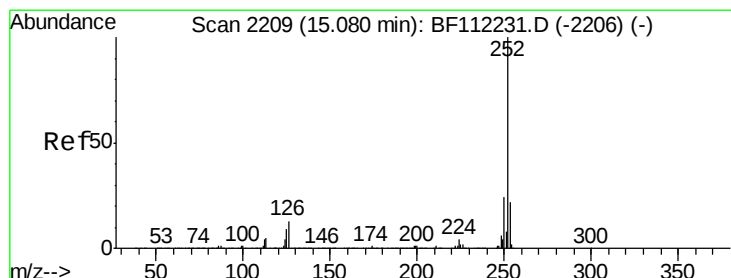
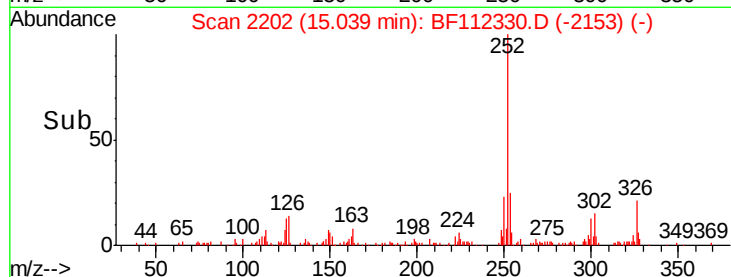
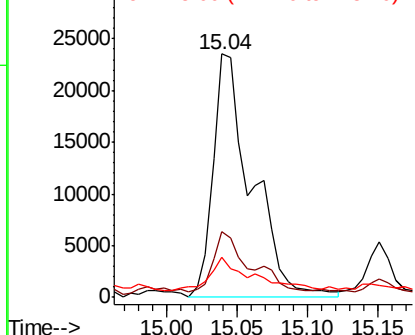
#88
Benzo(b)fluoranthene
Concen: 2.106 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112330.D
Acq: 30 Jan 2019 19:11

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:252 Resp: 44913
Ion Ratio Lower Upper
252 100
253 26.7 18.0 27.0
125 16.2 8.7 13.1#

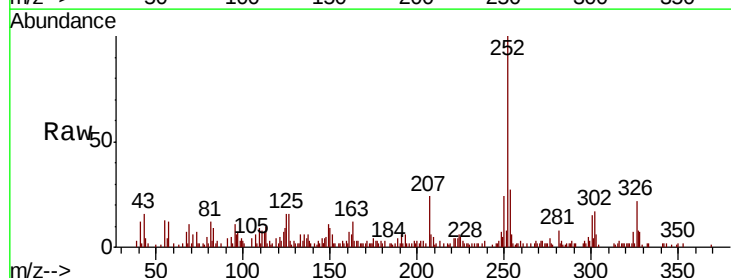


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.198 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF112330.D
Acq: 30 Jan 2019 19:11

Tgt Ion:252 Resp: 44913
Ion Ratio Lower Upper
252 100
253 26.7 18.0 27.0
125 16.2 9.1 13.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

