

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013019\
 Data File : BF112324.D
 Acq On : 30 Jan 2019 16:23
 Operator : JU/SJ
 Sample : K1282-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Jan 30 23:43:14 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	194871	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	734883	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	338585	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	587168	20.00	ng	0.00
76) Chrysene-d12	14.00	240	410169	20.00	ng	-0.01
87) Perylene-d12	15.47	264	414417	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1001645	109.18	ng	0.00
7) Phenol-d6	6.49	99	1230773	96.54	ng	0.00
23) Nitrobenzene-d5	7.40	82	780522	61.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	324728	82.40	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1261369	52.69	ng	-0.01
79) Terphenyl-d14	12.94	244	973001	44.68	ng	-0.01

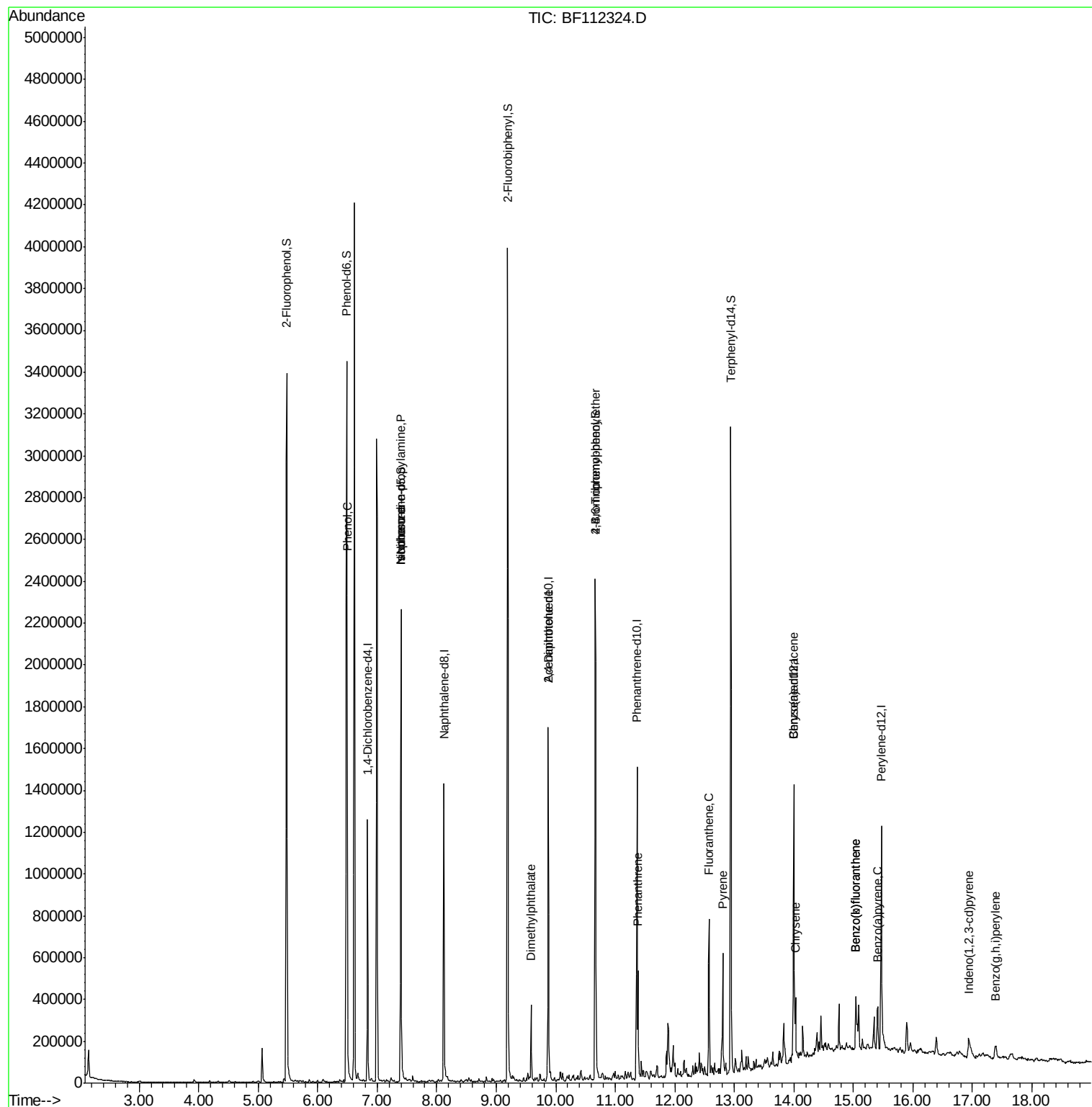
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	91934	6.573	ng	80
19) n-Nitroso-di-n-propylamine	7.40	70	105817	12.038	ng	# 76
25) Isophorone	7.40	82	771424	38.555	ng	# 64
50) Dimethylphthalate	9.59	163	155788	5.922	ng	97
57) 2,4-Dinitrotoluene	9.87	165	45222	6.029	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	19655	2.846	ng	# 1
71) Phenanthrene	11.38	178	198922	6.516	ng	97
75) Fluoranthene	12.57	202	275073	8.402	ng	97
78) Pyrene	12.80	202	236261	8.320	ng	98
81) Benzo(a)anthracene	13.99	228	118789	4.927	ng	97
83) Chrysene	14.03	228	120172	5.221	ng	95
86) Indeno(1,2,3-cd)pyrene	16.94	276	52860	2.898	ng	94
88) Benzo(b)fluoranthene	15.04	252	196294	7.920	ng	96
89) Benzo(k)fluoranthene	15.04	252	196294	8.269	ng	97
90) Benzo(a)pyrene	15.41	252	100697	4.515	ng	99
92) Benzo(g,h,i)perylene	17.39	276	50203	2.961	ng	96

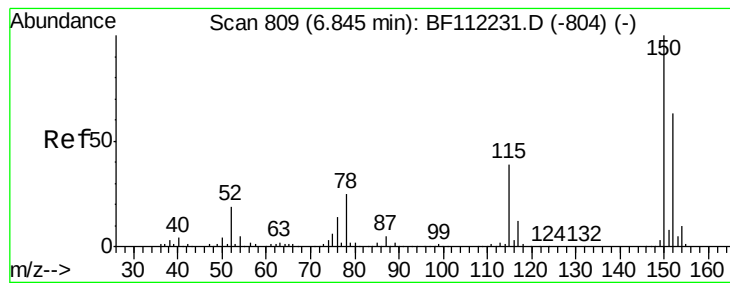
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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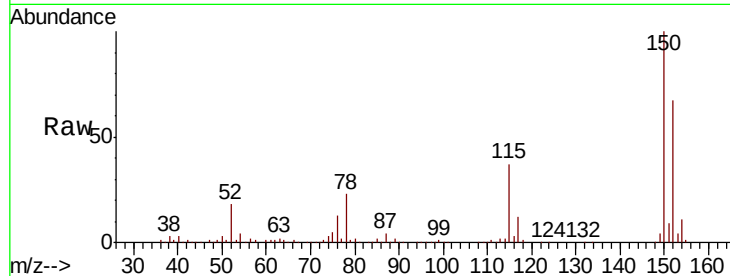


#1

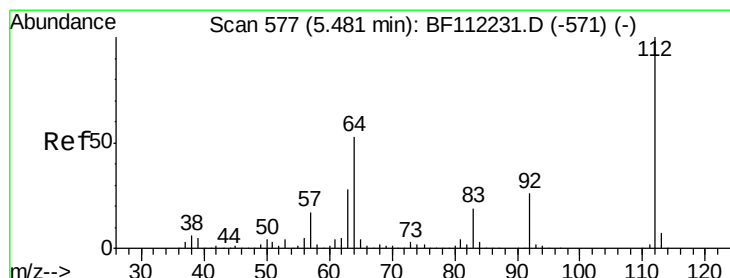
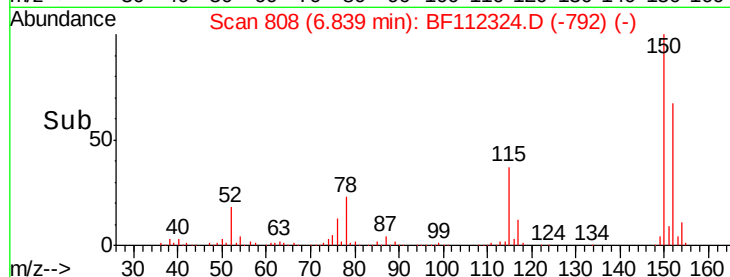
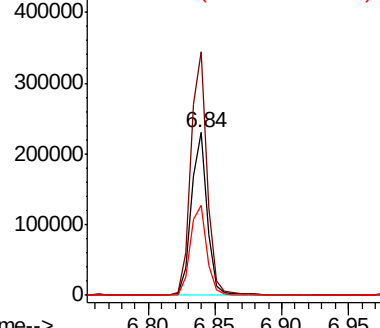
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 194871
Ion Ratio Lower Upper
152 100
150 149.6 127.4 191.0
115 54.9 45.5 68.3



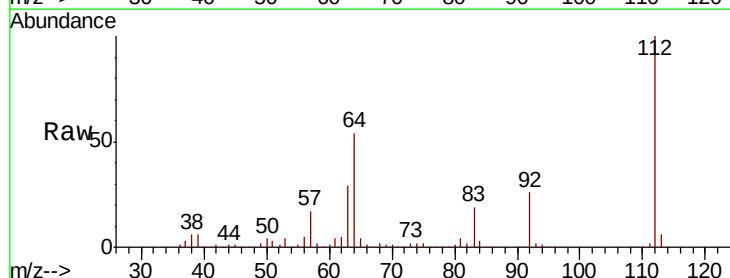
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



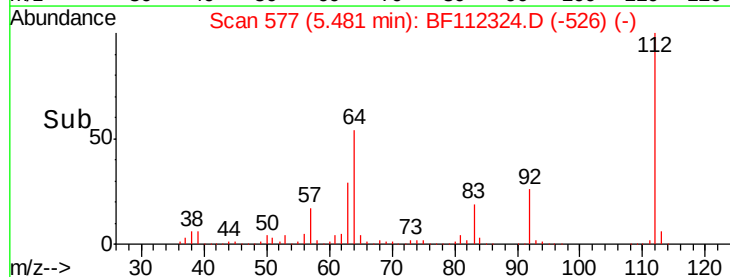
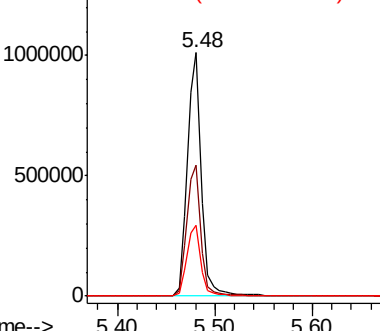
#5

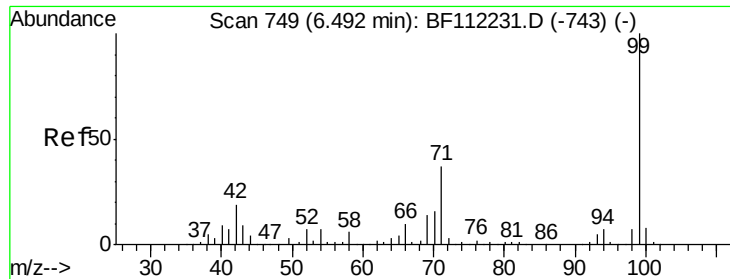
2-Fluorophenol
Concen: 109.178 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Tgt Ion:112 Resp: 1001645
Ion Ratio Lower Upper
112 100
64 53.9 45.7 68.5
63 28.9 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: 96.544 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

ClientSampleId :

TP-3

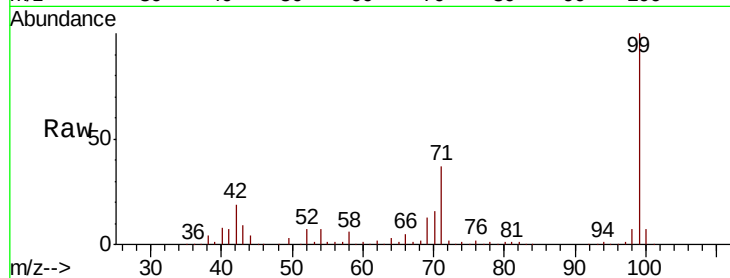
Tgt Ion: 99 Resp: 1230773

Ion Ratio Lower Upper

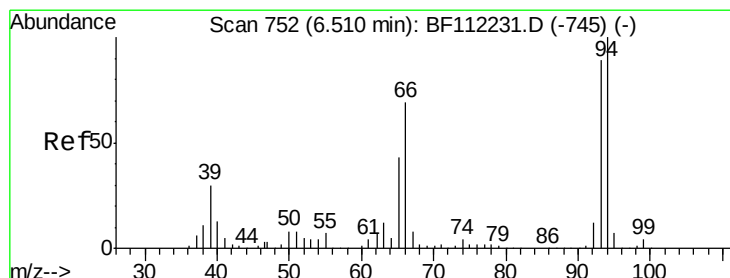
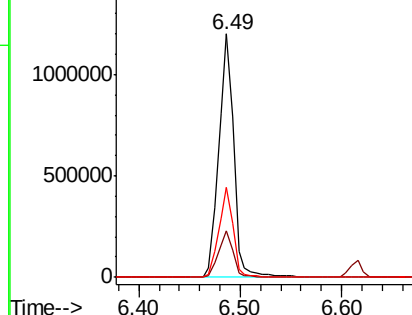
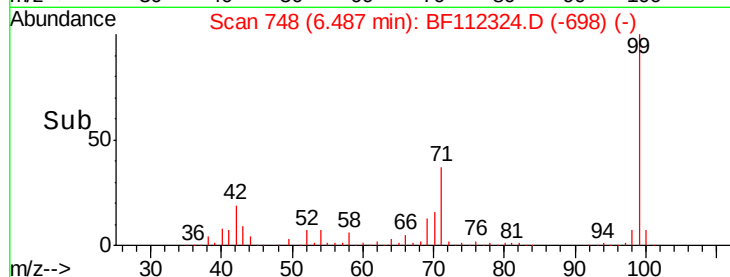
99 100

42 19.3 15.1 22.7

71 36.8 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



#10

Phenol

Concen: 6.573 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

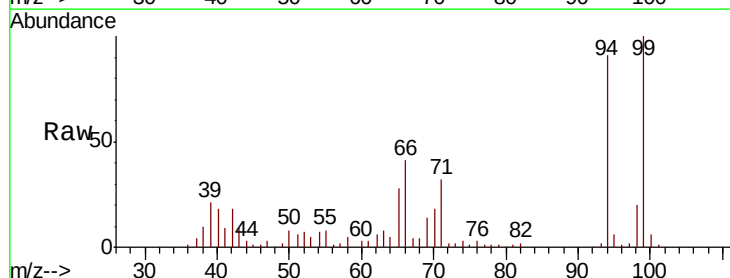
Tgt Ion: 94 Resp: 91934

Ion Ratio Lower Upper

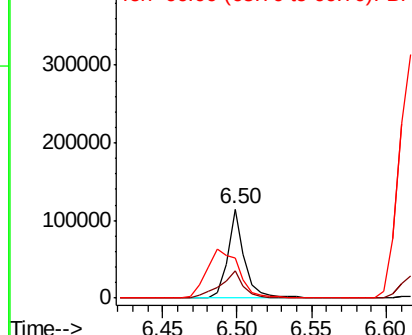
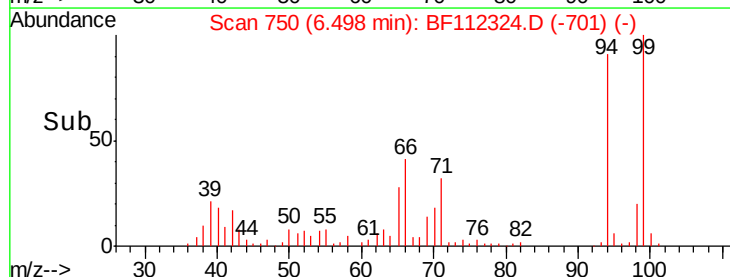
94 100

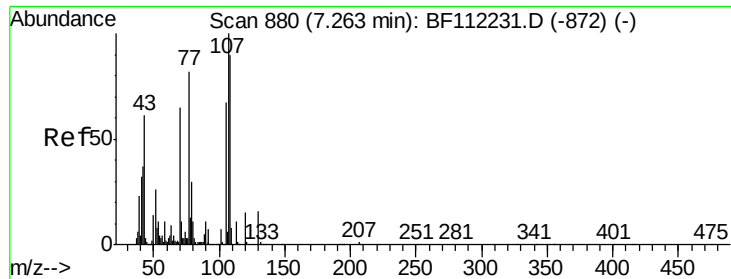
65 30.6 20.3 60.3

66 44.7 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

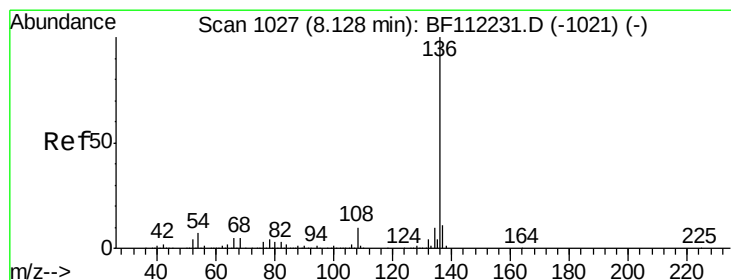
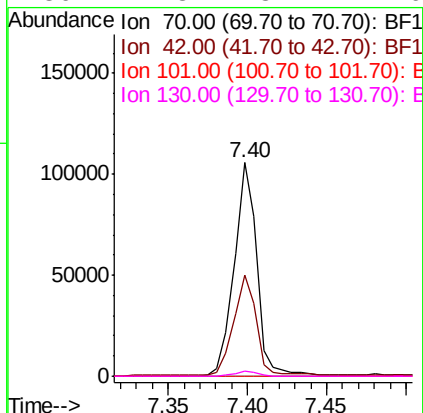
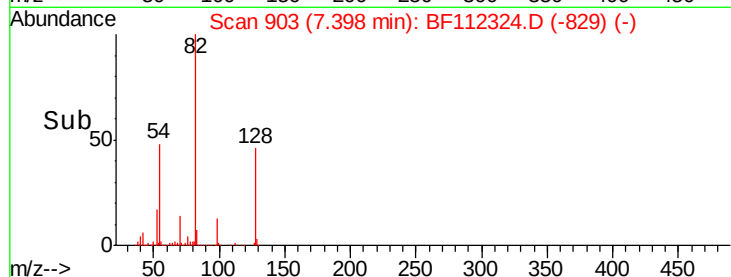
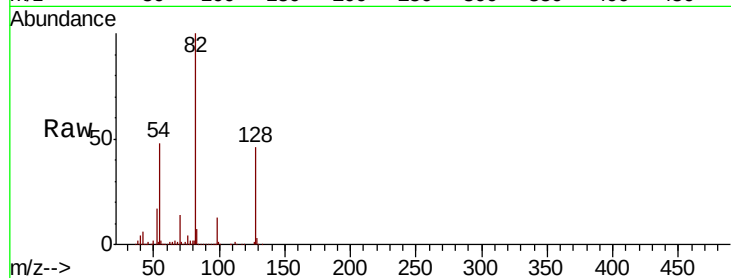




#19
n-Nitroso-di-n-propylamine
Concen: 12.038 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

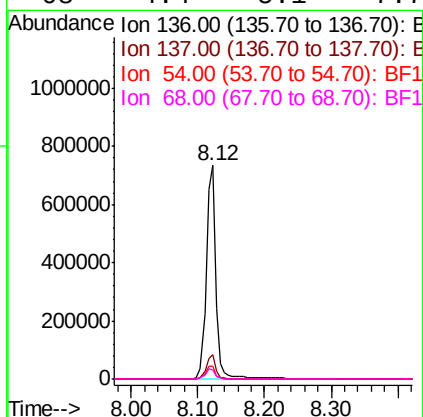
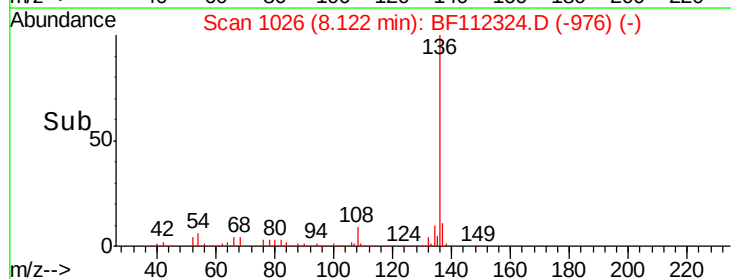
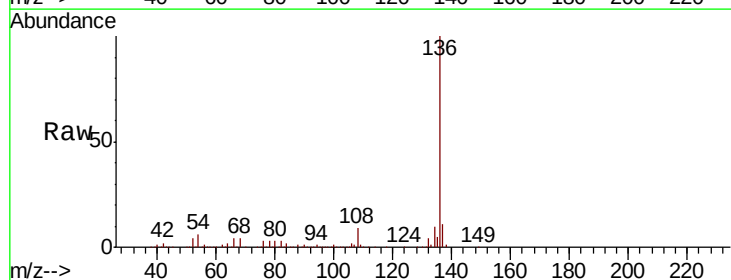
Instrument :
BNA_F
ClientSampleId :
TP-3

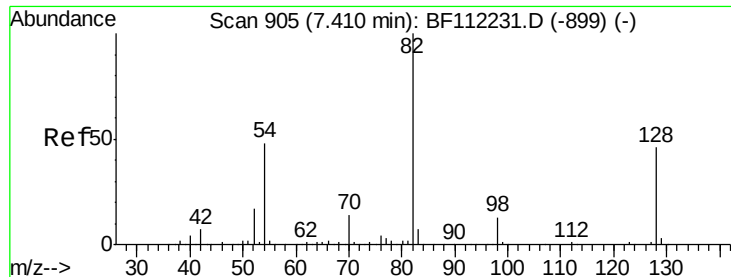
Tgt Ion:	70	Resp:	105817
Ion	Ratio	Lower	Upper
70	100		
42	47.1	47.6	71.4#
101	0.0	7.9	11.9#
130	2.3	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Tgt Ion:	136	Resp:	734883
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	5.9	5.9	8.9#
68	4.4	5.1	7.7#

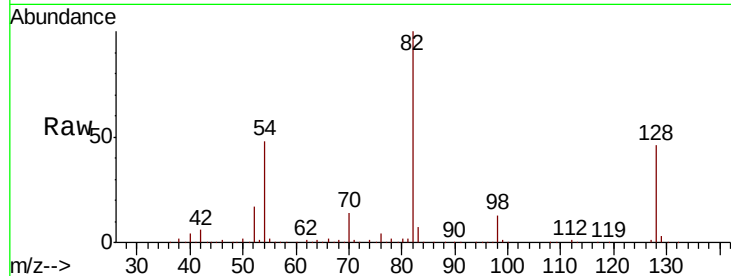




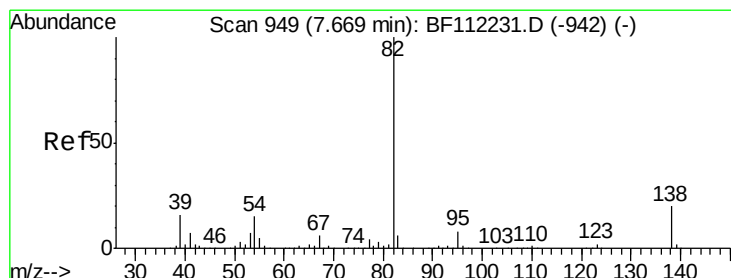
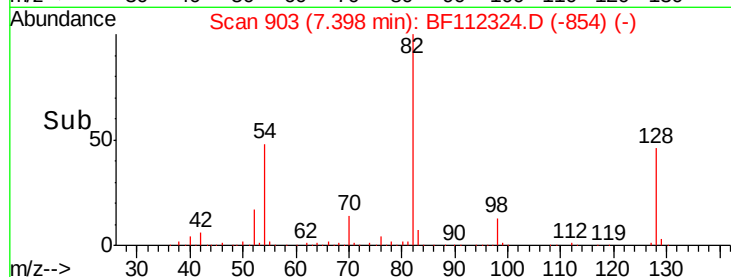
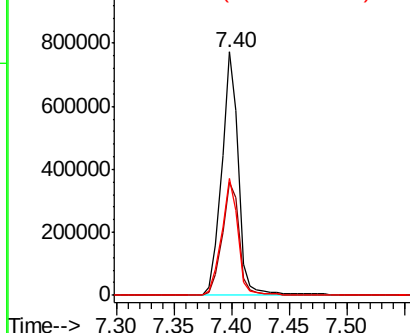
#23
Nitrobenzene-d5
Concen: 61.198 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 82 Resp: 780522
Ion Ratio Lower Upper
82 100
128 46.4 37.8 56.8
54 48.2 39.7 59.5

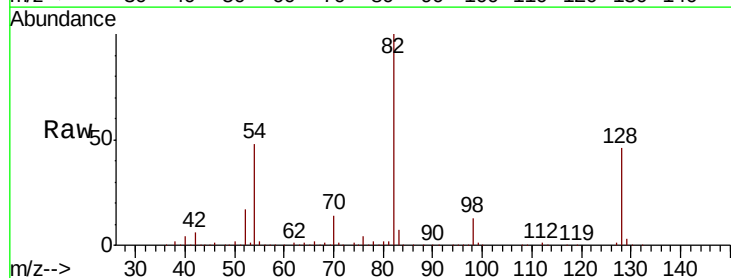


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

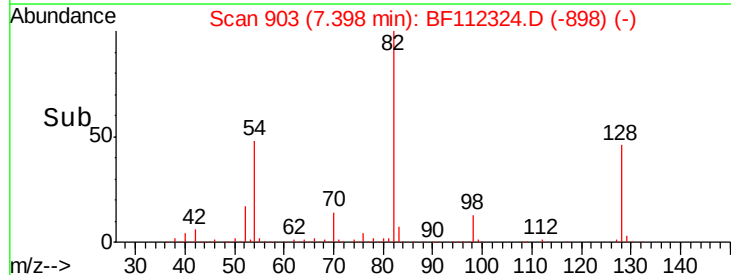
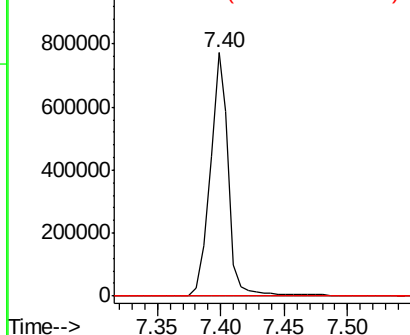


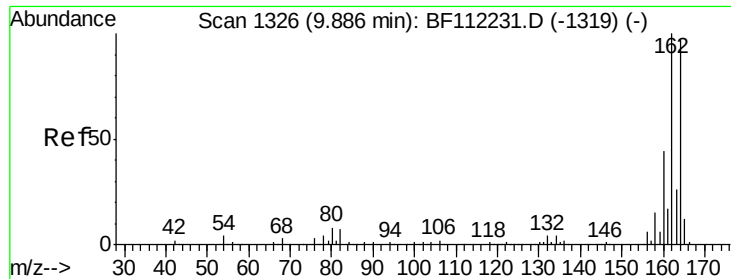
#25
Isophorone
Concen: 38.555 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Tgt Ion: 82 Resp: 771424
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: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

ClientSampled :

TP-3

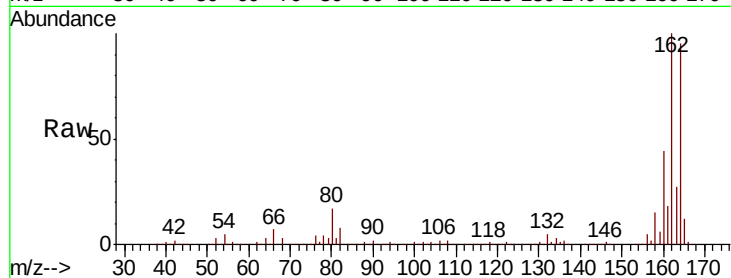
Tgt Ion:164 Resp: 338585

Ion Ratio Lower Upper

164 100

162 105.3 82.2 123.4

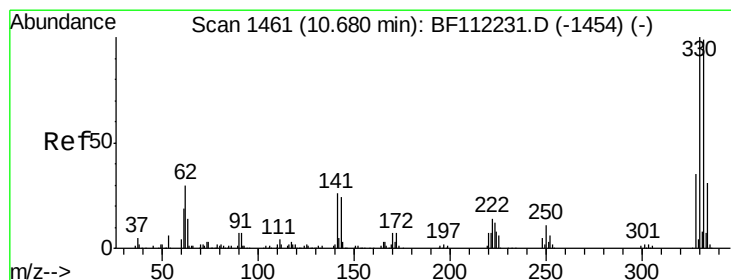
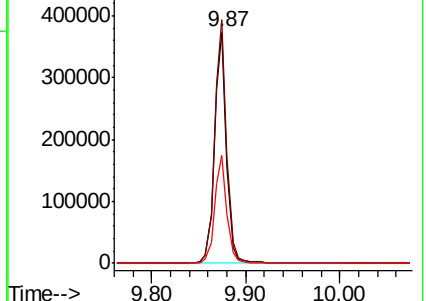
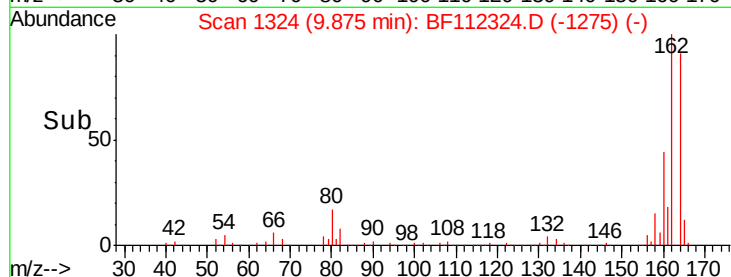
160 46.8 36.2 54.4



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: 82.397 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

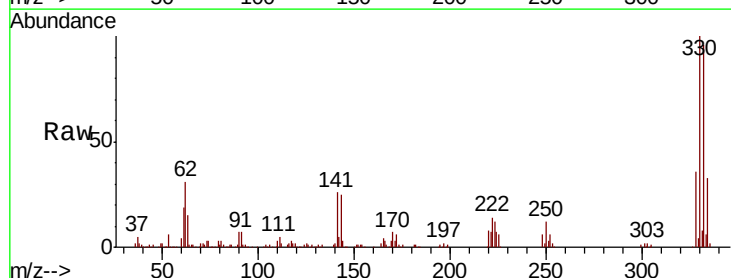
Tgt Ion:330 Resp: 324728

Ion Ratio Lower Upper

330 100

332 95.7 76.6 114.8

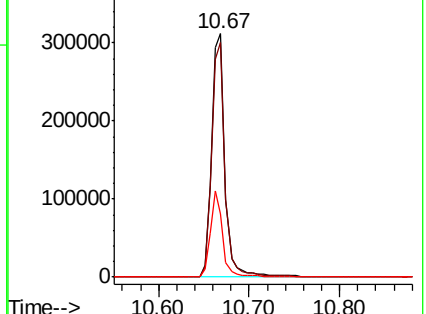
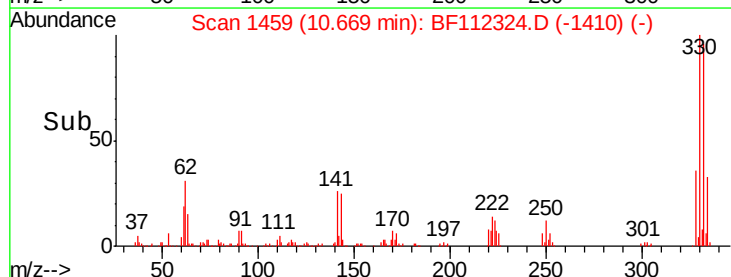
141 33.3 24.3 36.5

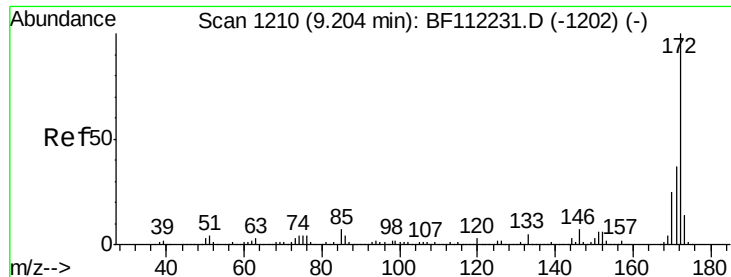


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

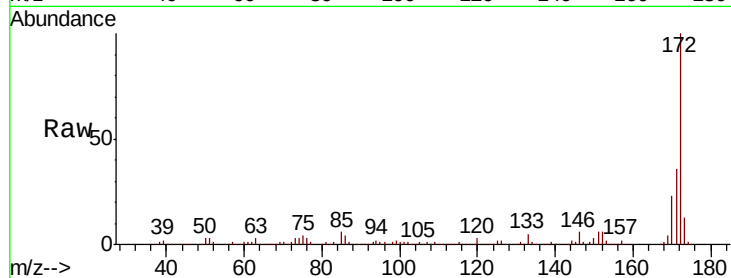




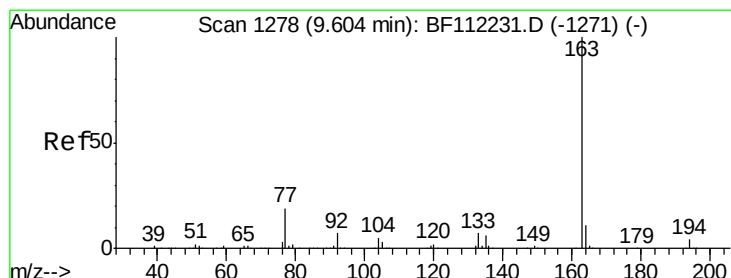
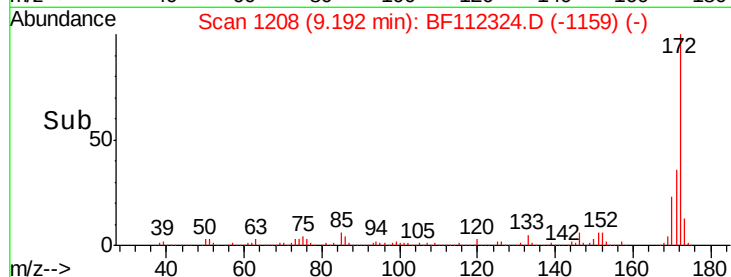
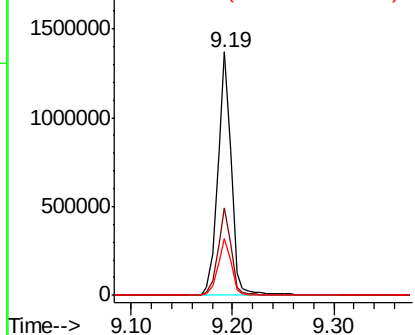
#45
 2-Fluorobiphenyl
 Concen: 52.690 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112324.D
 Acq: 30 Jan 2019 16:23

Instrument :
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Tgt Ion:172 Resp: 1261369
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.5 45.7
 170 23.4 20.2 30.4

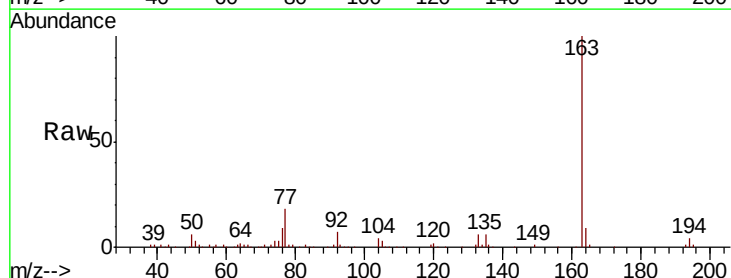


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

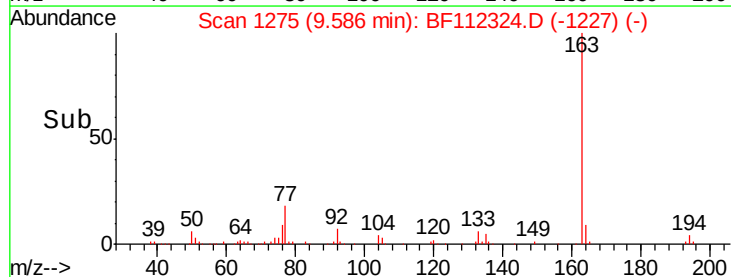
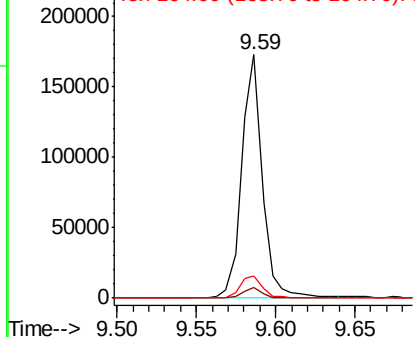


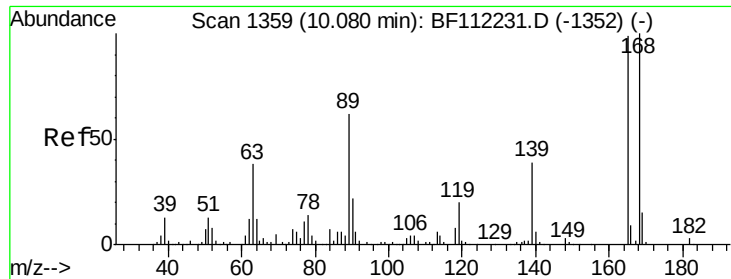
#50
 Dimethylphthalate
 Concen: 5.922 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF112324.D
 Acq: 30 Jan 2019 16:23

Tgt Ion:163 Resp: 155788
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.3 4.9
 164 9.2 8.5 12.7



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: 6.029 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:165 Resp: 45222

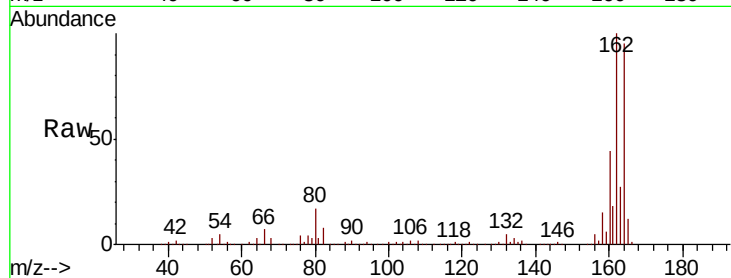
Ion Ratio Lower Upper

165 100

63 1.1 27.9 41.9#

89 2.1 47.9 71.9#

182 0.0 2.2 3.4#

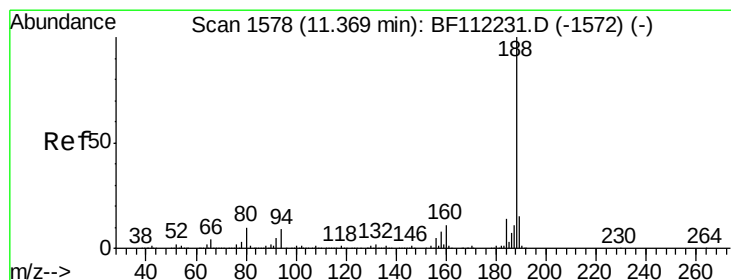
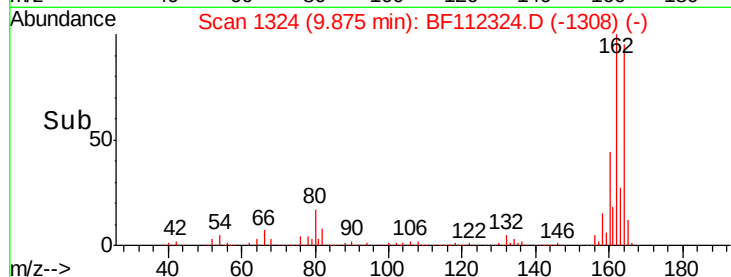
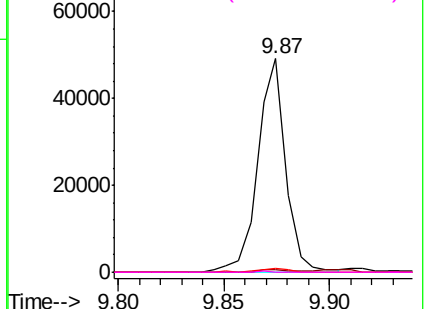


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1577

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

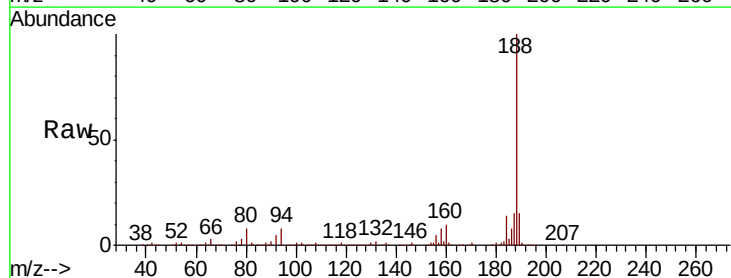
Tgt Ion:188 Resp: 587168

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

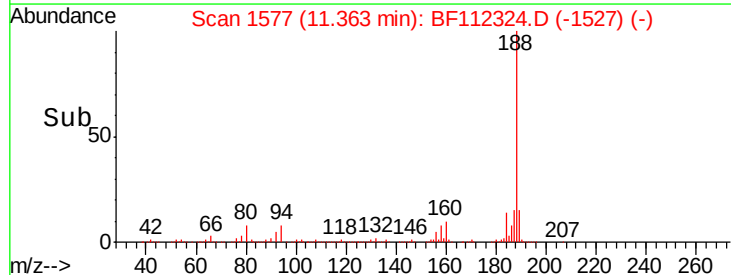
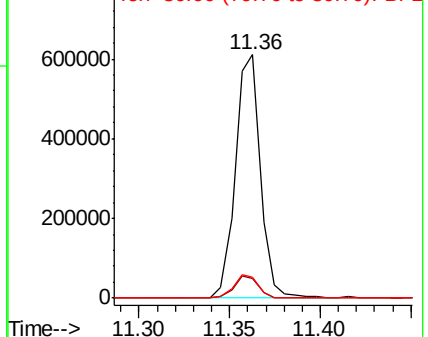
80 8.4 8.9 13.3#

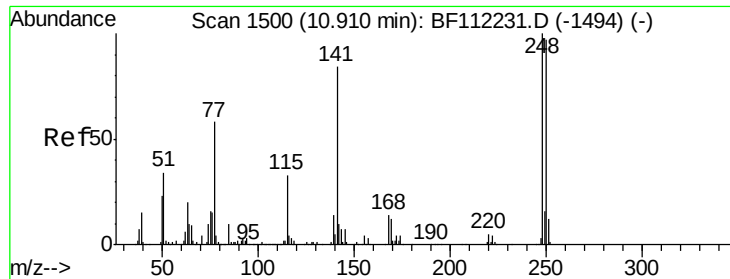


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

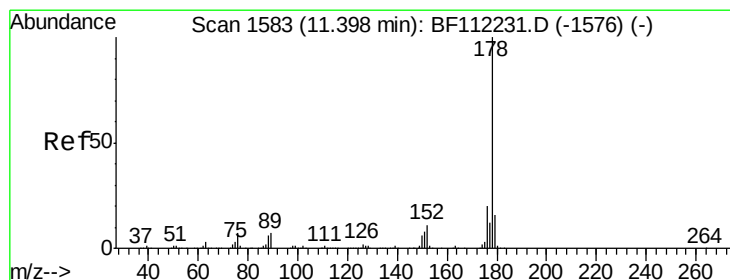
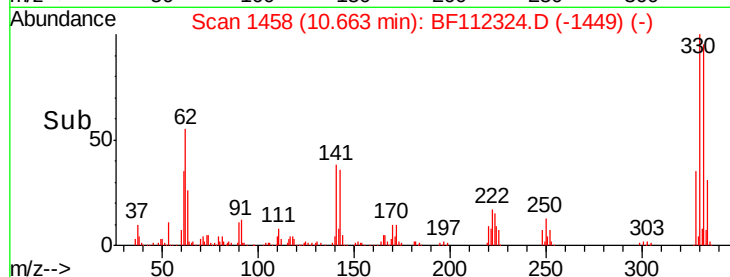
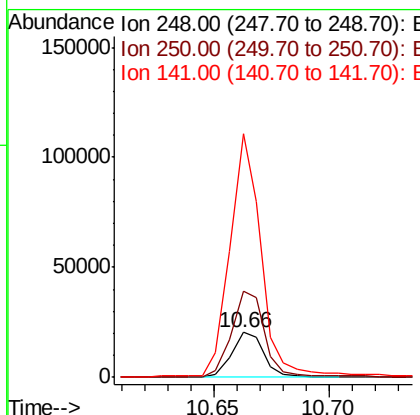
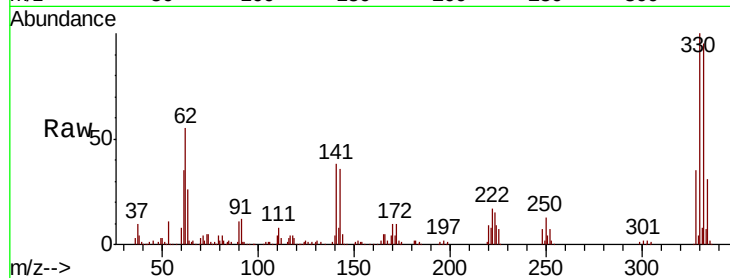




#67
 4-Bromophenyl-phenylether
 Concen: 2.846 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112324.D
 Acq: 30 Jan 2019 16:23

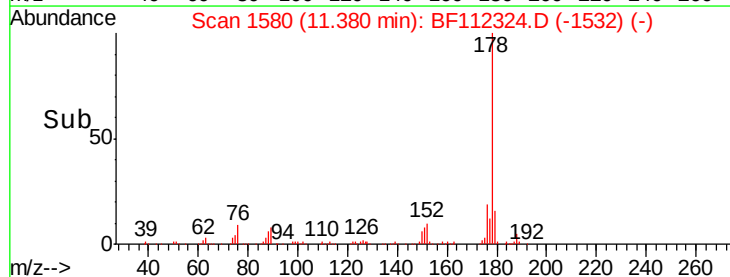
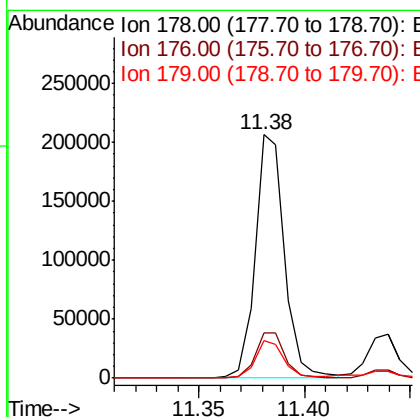
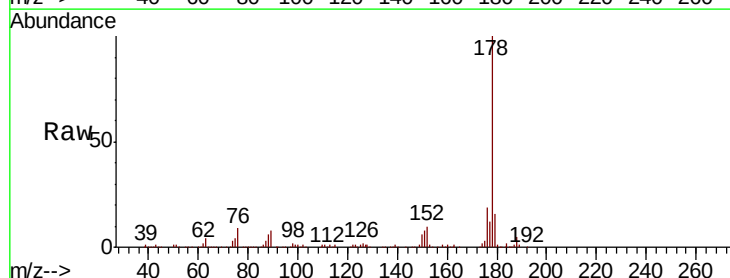
Instrument :
 BNA_F
 ClientSampled :
 TP-3

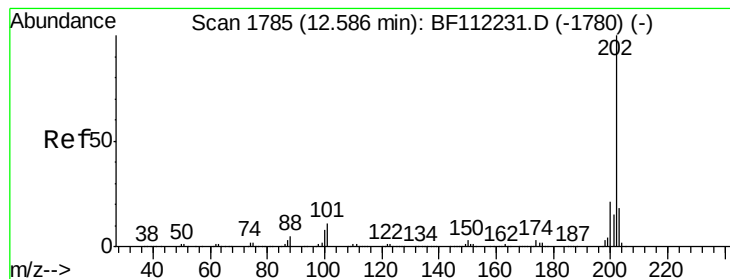
Tgt Ion: 248 Resp: 19655
 Ion Ratio Lower Upper
 248 100
 250 193.0 79.7 119.5#
 141 542.3 60.3 90.5#



#71
 Phenanthrene
 Concen: 6.516 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF112324.D
 Acq: 30 Jan 2019 16:23

Tgt Ion: 178 Resp: 198922
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.3 24.5
 179 15.5 13.0 19.4





#75

Fluoranthene

Concen: 8.402 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

ClientSampleId :

TP-3

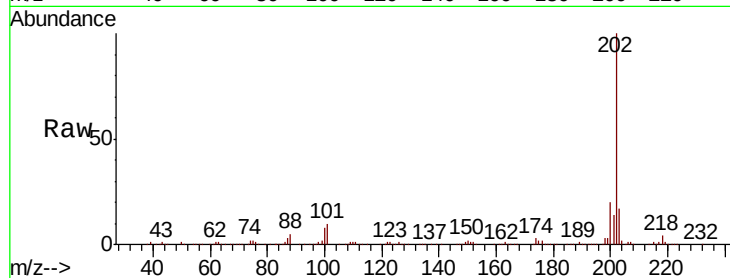
Tgt Ion:202 Resp: 275073

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.8

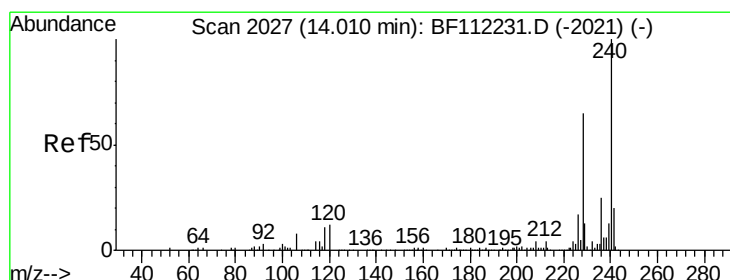
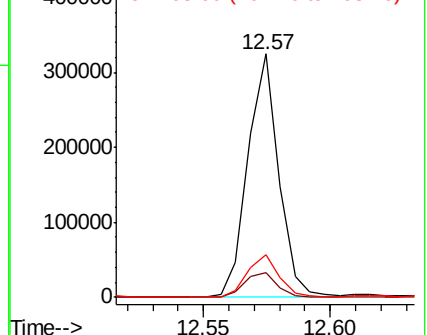
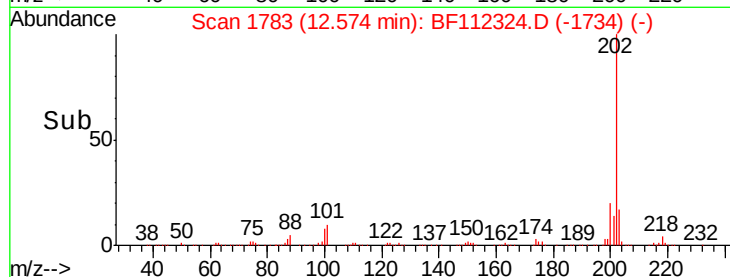
203 17.3 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

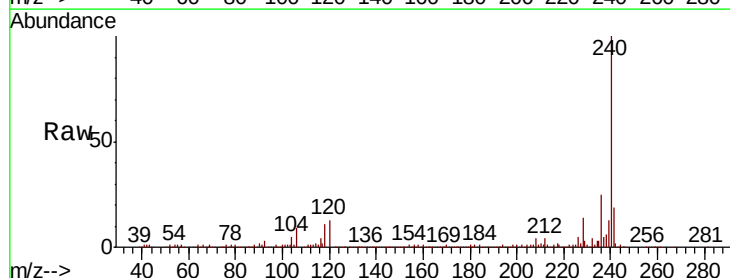
Tgt Ion:240 Resp: 410169

Ion Ratio Lower Upper

240 100

120 12.6 9.0 13.6

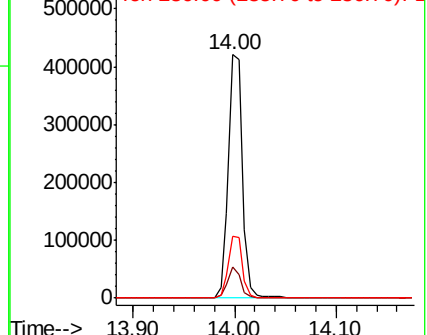
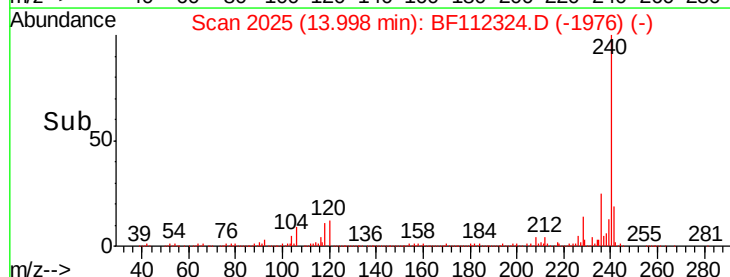
236 25.4 20.7 31.1

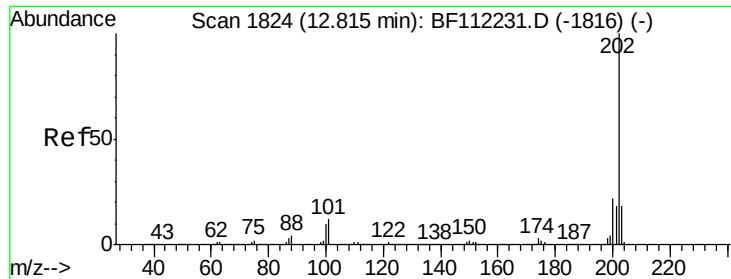


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

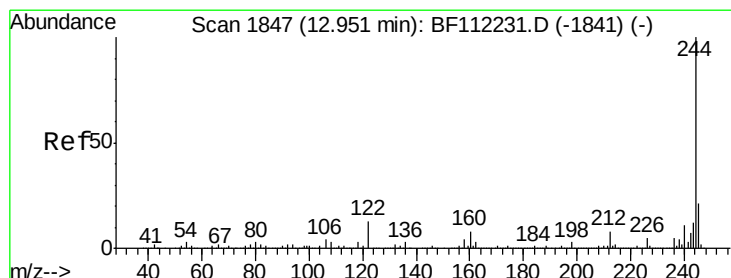
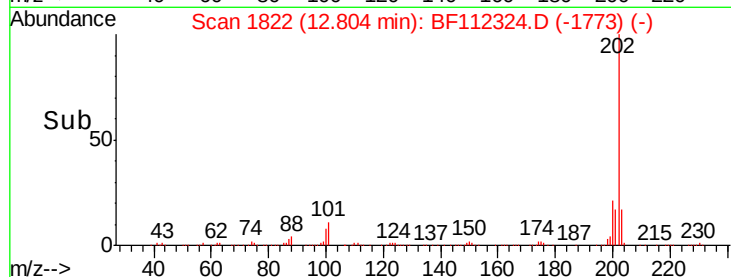
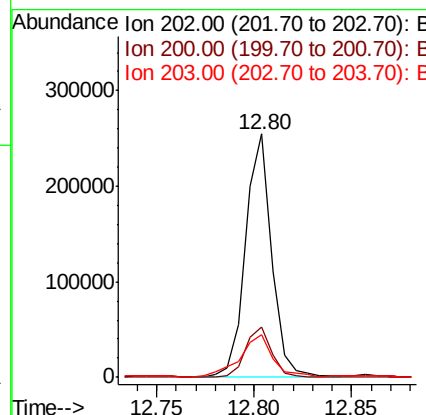
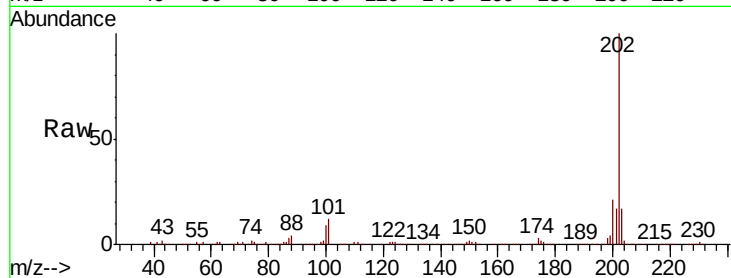




#78
 Pyrene
 Concen: 8.320 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF112324.D
 Acq: 30 Jan 2019 16:23

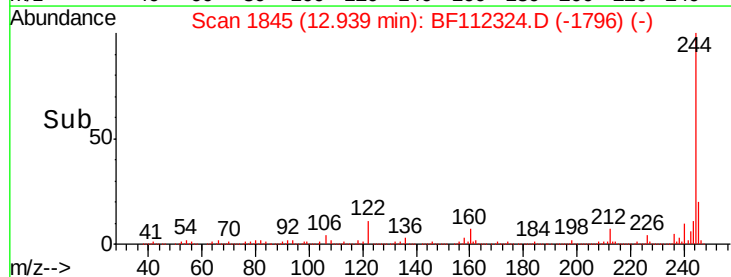
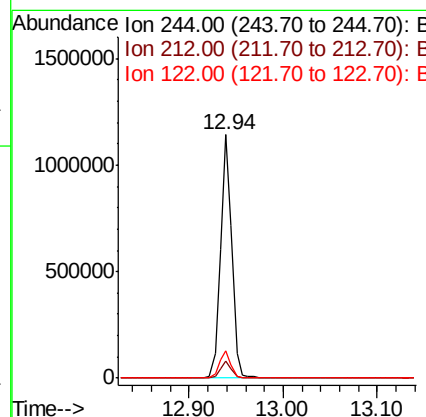
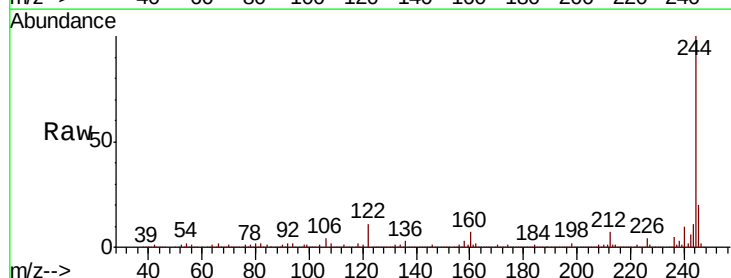
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

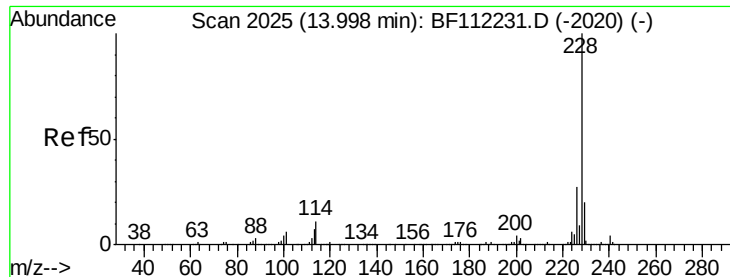
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.7	26.5
203	17.5	14.6	22.0



#79
 Terphenyl-d14
 Concen: 44.679 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112324.D
 Acq: 30 Jan 2019 16:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.0	9.8	14.6





#81

Benzo(a)anthracene

Concen: 4.927 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

ClientSampleId :

TP-3

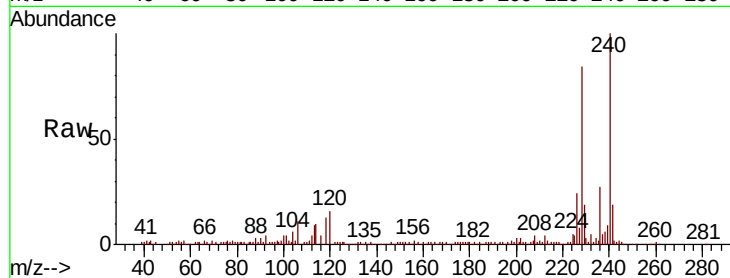
Tgt Ion:228 Resp: 118789

Ion Ratio Lower Upper

228 100

226 29.0 22.6 34.0

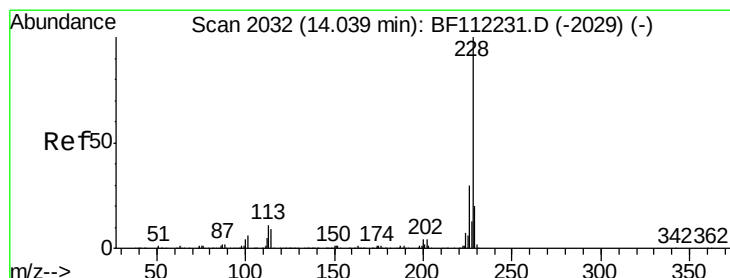
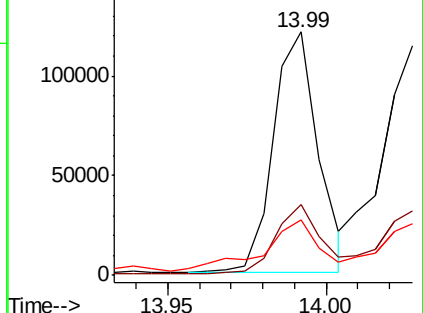
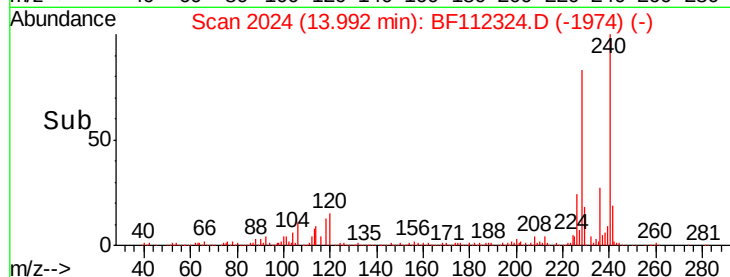
229 22.9 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.221 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

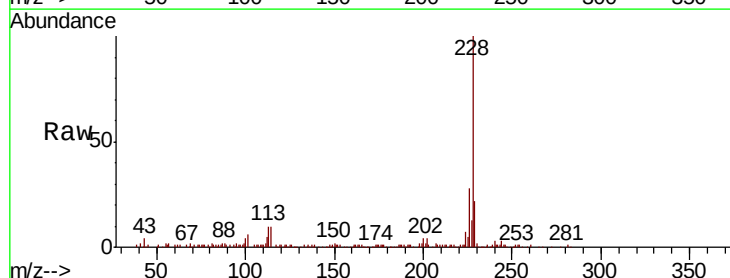
Tgt Ion:228 Resp: 120172

Ion Ratio Lower Upper

228 100

226 27.9 25.0 37.6

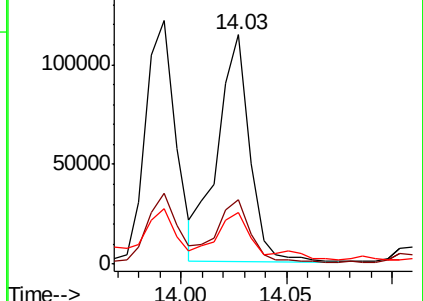
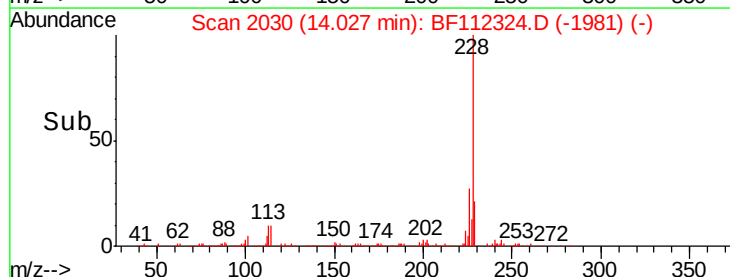
229 22.4 16.6 24.8

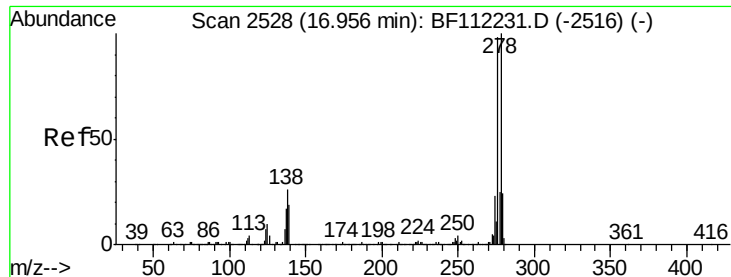


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.898 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Instrument :

BNA_F

ClientSampleId :

TP-3

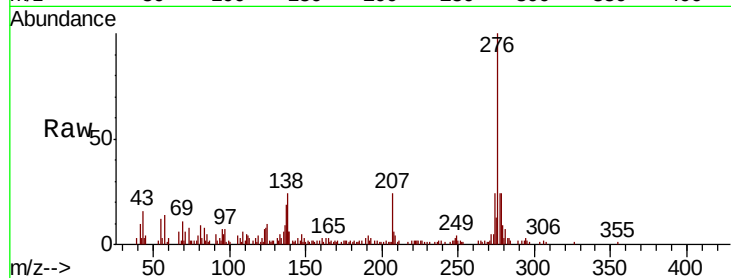
Tgt Ion:276 Resp: 52860

Ion Ratio Lower Upper

276 100

138 22.7 22.6 34.0

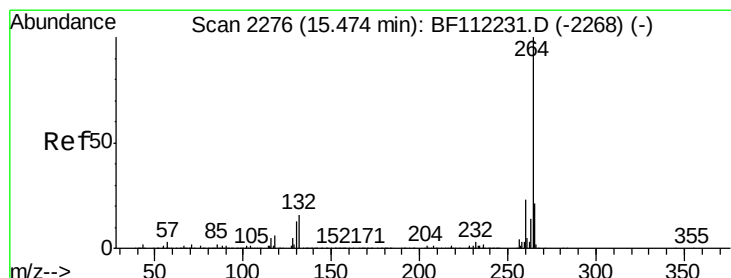
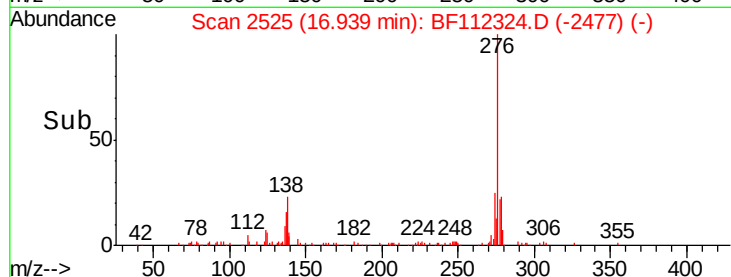
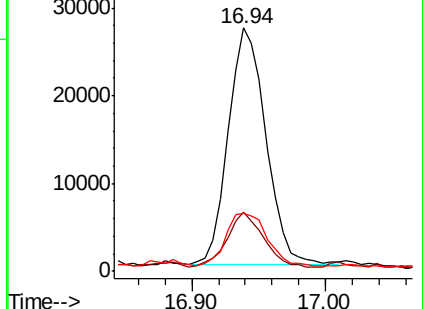
277 24.7 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

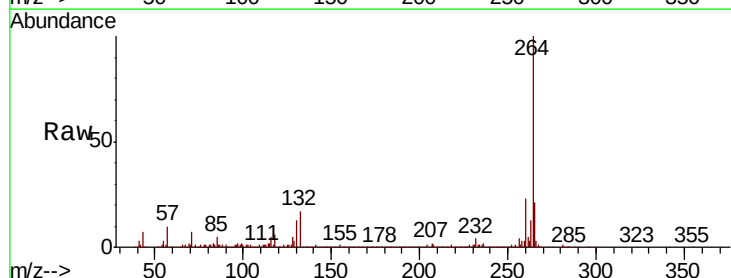
Tgt Ion:264 Resp: 414417

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.2

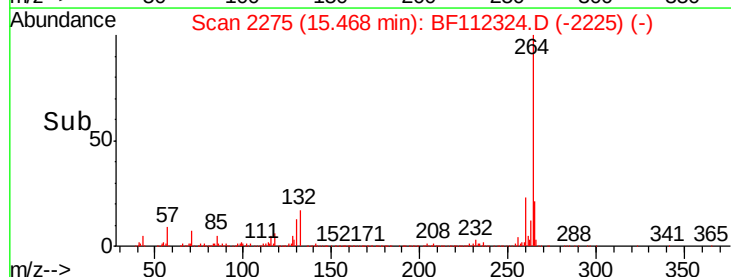
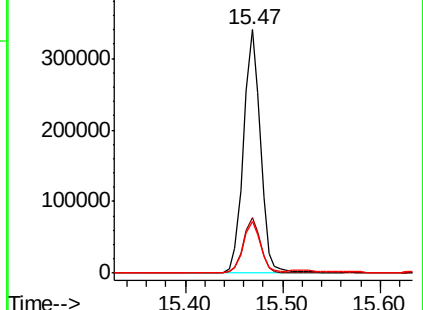
265 21.5 17.0 25.4

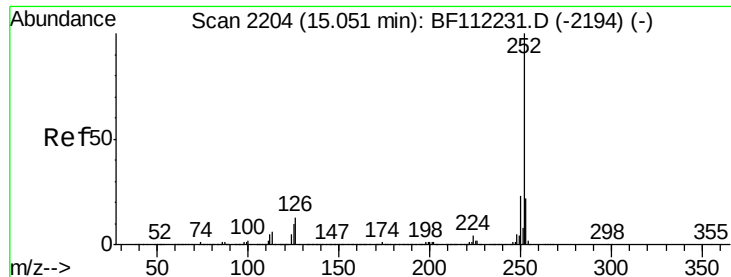


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

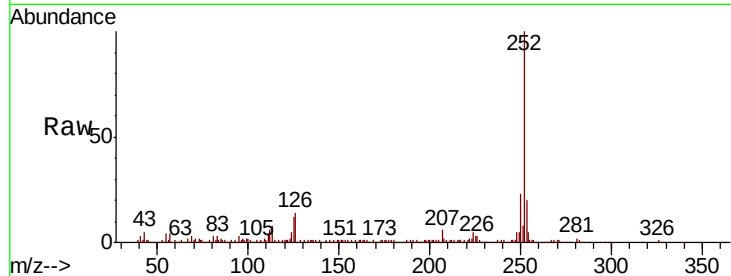




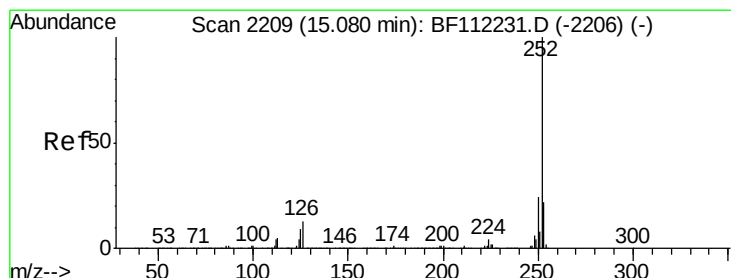
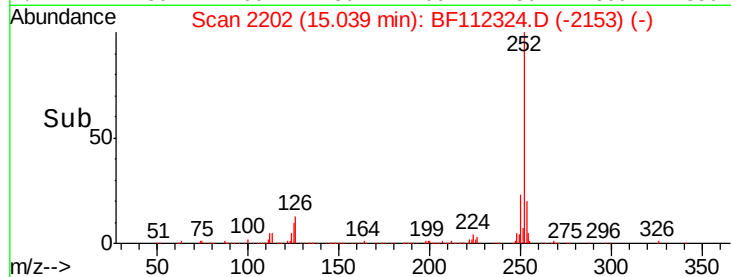
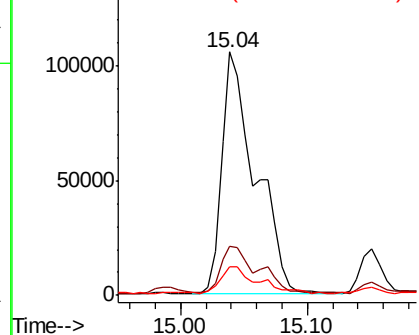
#88
Benzo(b)fluoranthene
Concen: 7.920 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Instrument :
BNA_F
ClientSampled :
TP-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.0	27.0
125	11.6	8.7	13.1

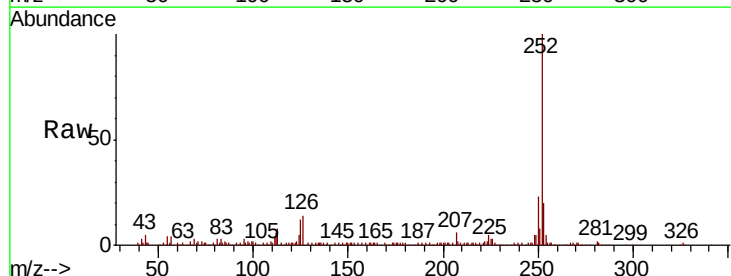


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

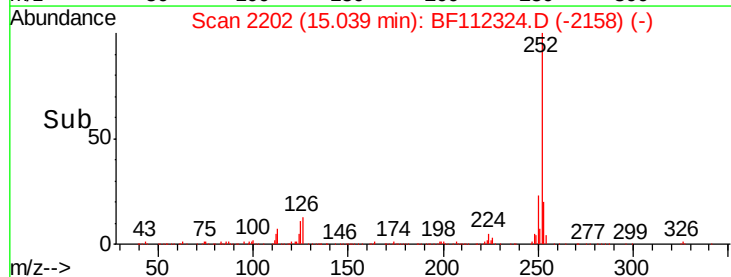
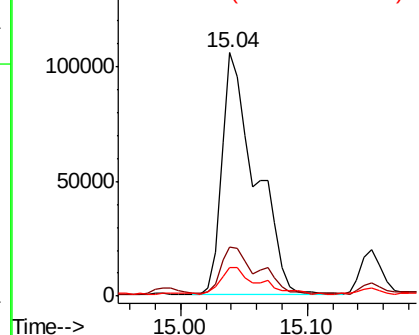


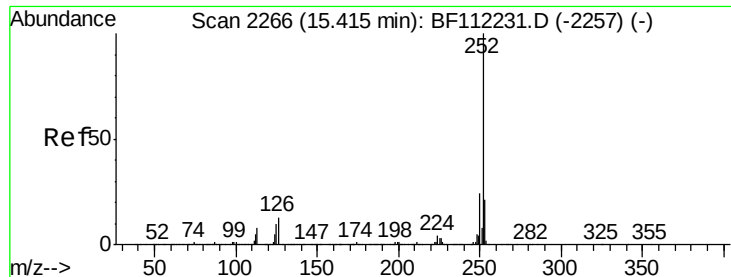
#89
Benzo(k)fluoranthene
Concen: 8.269 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF112324.D
Acq: 30 Jan 2019 16:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.0	27.0
125	11.6	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





#90

Benzo(a)pyrene

Concen: 4.515 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

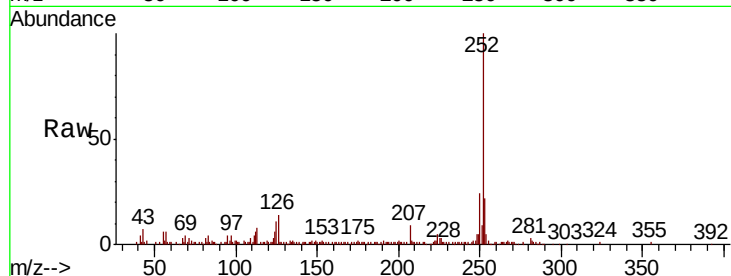
Instrument :

BNA_F

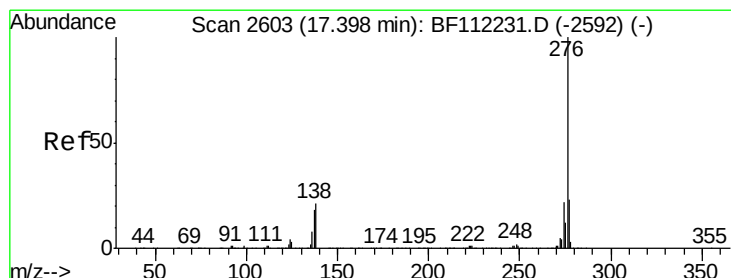
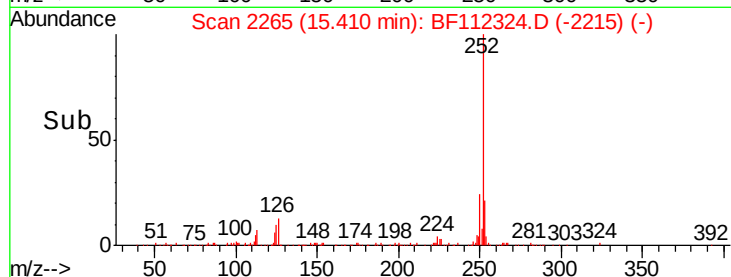
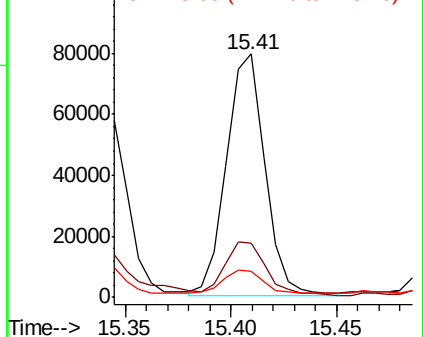
ClientSampled :

TP-3

Tgt Ion:	252	Resp:	100697
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.8	9.0	13.4



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



#92

Benzo(g,h,i)perylene

Concen: 2.961 ng

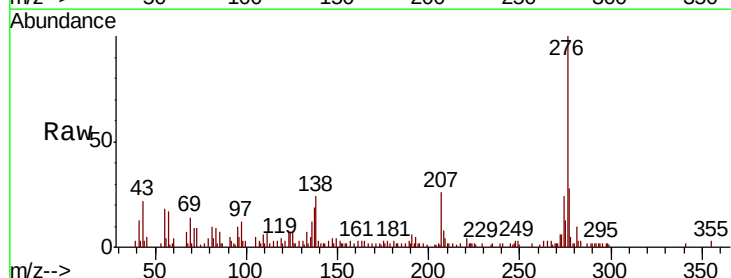
RT: 17.39 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BF112324.D

Acq: 30 Jan 2019 16:23

Tgt Ion:	276	Resp:	50203
Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.4	29.0
138	24.3	19.1	28.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

