

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082418\
 Data File : BF108473.D
 Acq On : 24 Aug 2018 19:47
 Operator : JU/SJ
 Sample : J4581-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-C1

Quant Time: Aug 25 00:29:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	127982	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	492325	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	251094	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	474332	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	261259	20.00	ng	-0.01
86) Perylene-d12	15.74	264	268663	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	733495	103.76	ng	0.00
7) Phenol-d6	6.62	99	1022335	108.83	ng	0.00
23) Nitrobenzene-d5	7.56	82	669851	75.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	295793	118.10	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1127540	72.09	ng	-0.01
78) Terphenyl-d14	13.12	244	1112779	108.30	ng	0.00

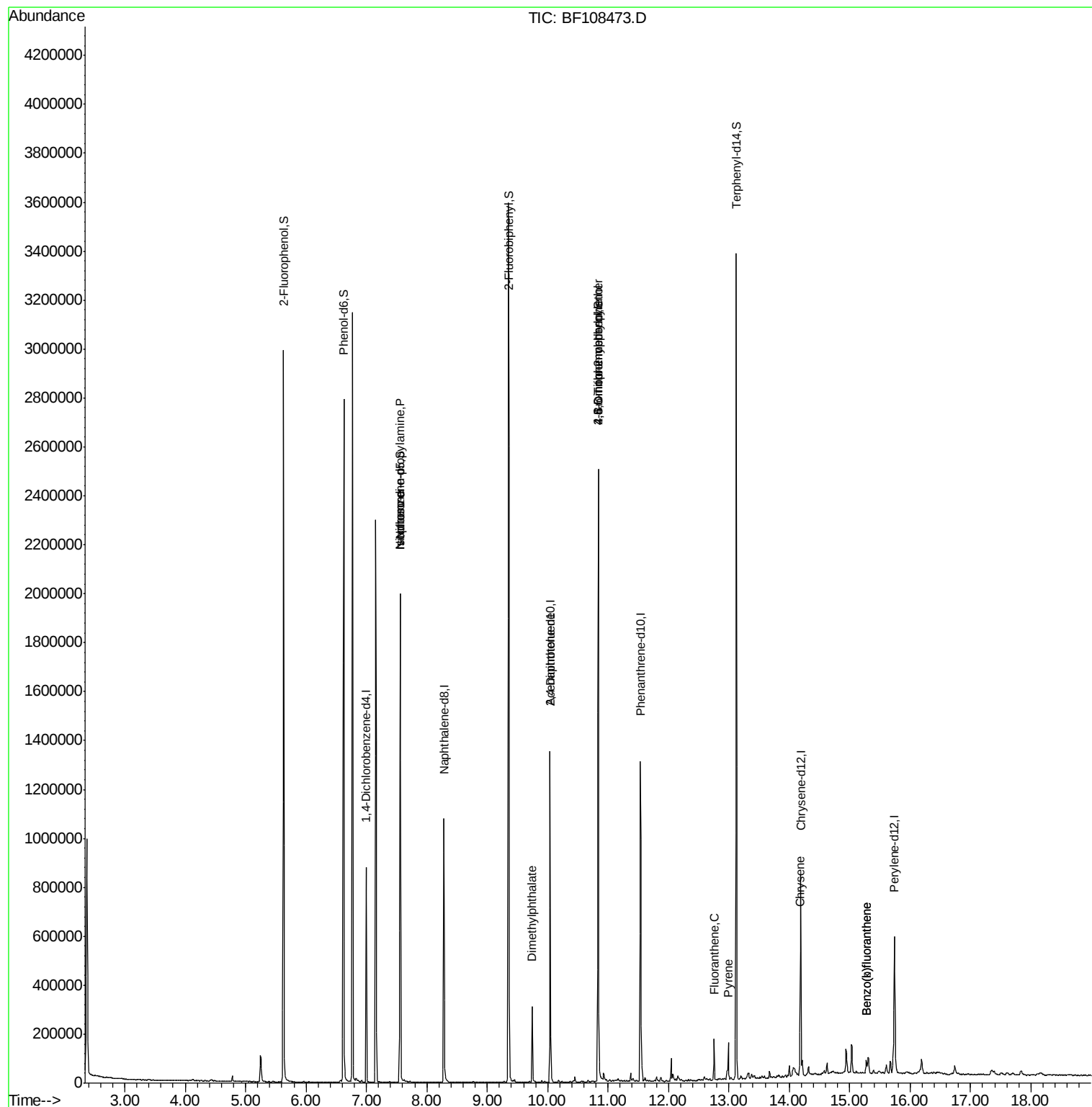
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	89284	14.055	ng	# 84
25) Isophorone	7.56	82	669842	39.832	ng	# 64
49) Dimethylphthalate	9.74	163	135933	7.772	ng	99
56) 2,4-Dinitrotoluene	10.04	165	32438	6.887	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	640	5.678	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	20083	3.896	ng	# 1
74) Fluoranthene	12.75	202	64709	2.650	ng	95
77) Pyrene	12.99	202	59135	3.575	ng	98
82) Chrysene	14.18	228	28251	2.055	ng	96
87) Benzo(b)fluoranthene	15.28	252	44167	2.751	ng	96
88) Benzo(k)fluoranthene	15.28	252	44167	2.993	ng	96

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

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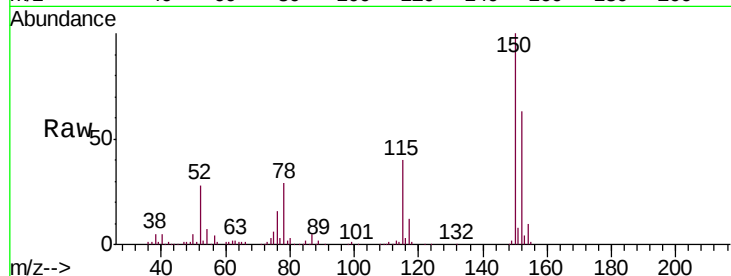


#1

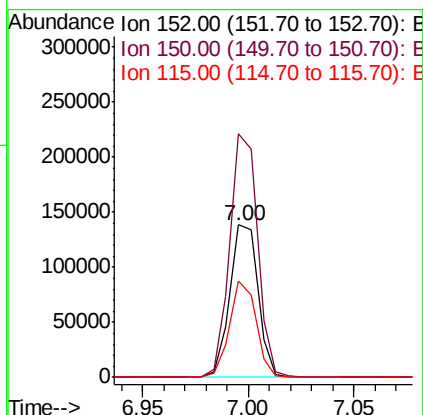
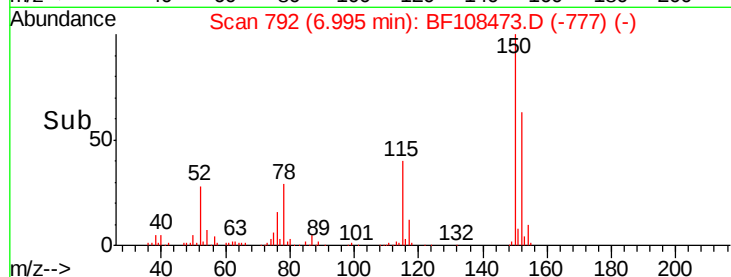
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108473.D
Acq: 24 Aug 2018 19:47

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	63.3	50.1	75.1



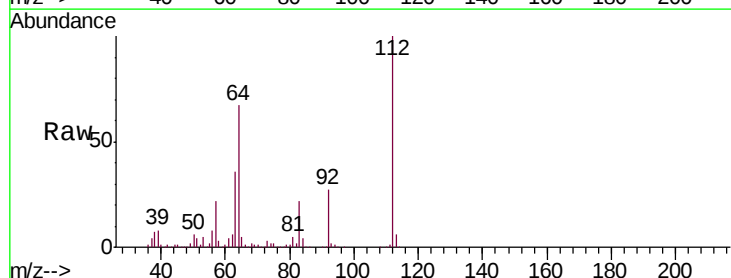
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



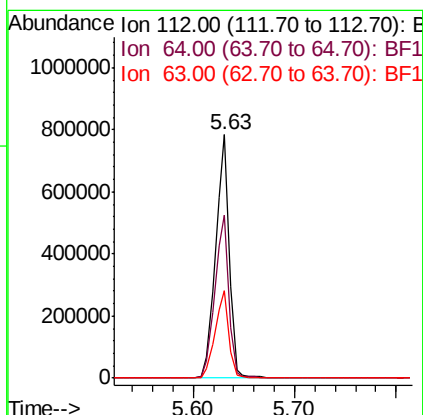
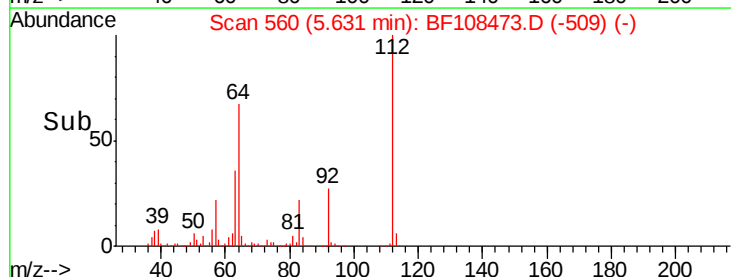
#5

2-Fluorophenol
Concen: 103.761 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108473.D
Acq: 24 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	35.7	23.7	35.5



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: 108.831 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-C1

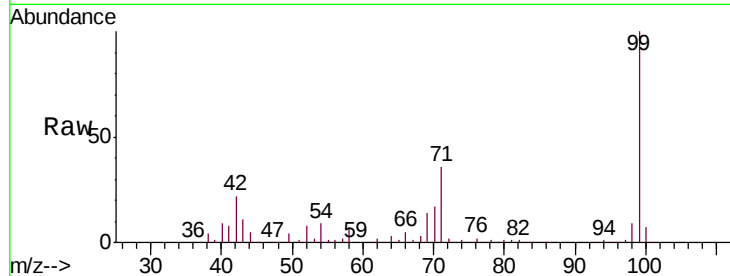
Tgt Ion: 99 Resp: 1022335

Ion Ratio Lower Upper

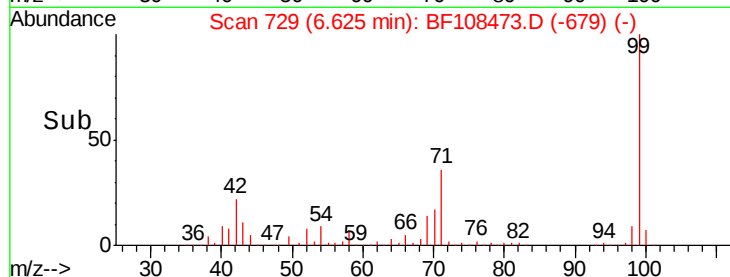
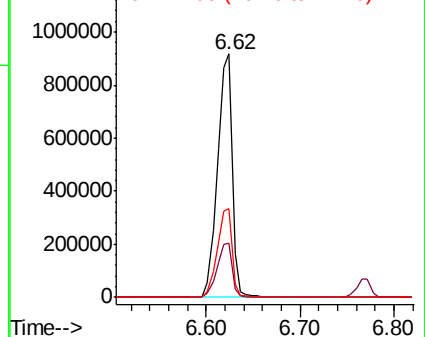
99 100

42 22.0 14.5 21.7#

71 36.3 25.4 38.0



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: 14.055 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

Tgt Ion: 70 Resp: 89284

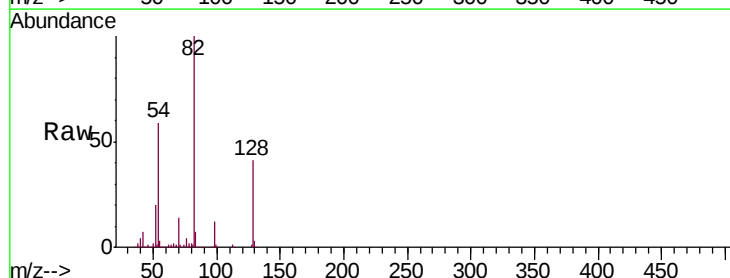
Ion Ratio Lower Upper

70 100

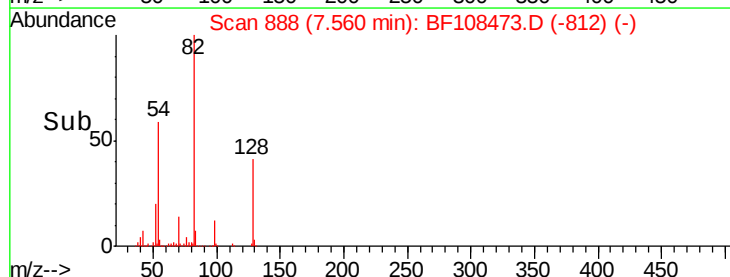
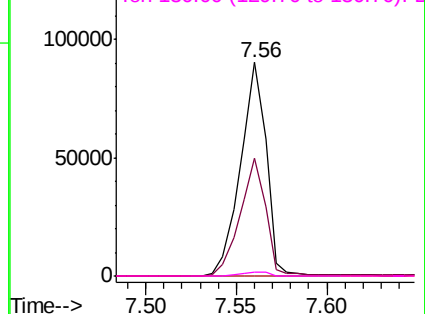
42 55.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#



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

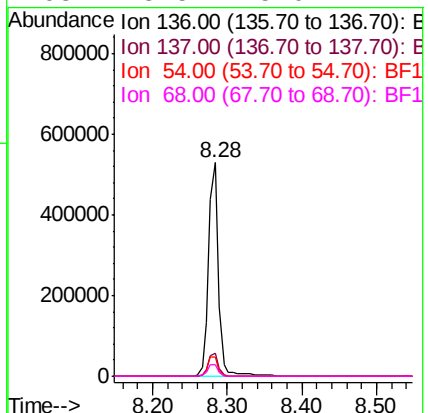
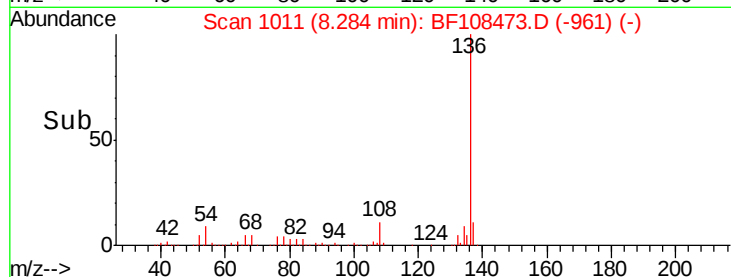
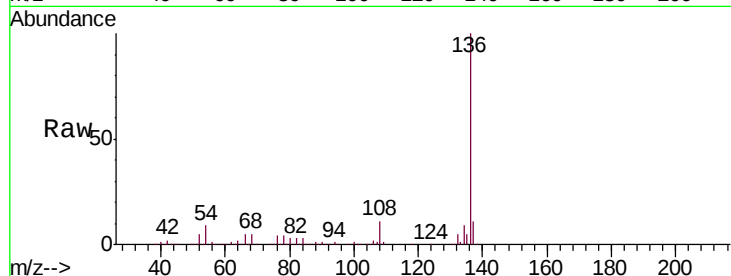




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108473.D
Acq: 24 Aug 2018 19:47

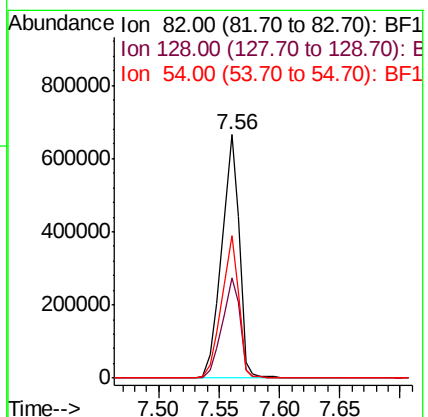
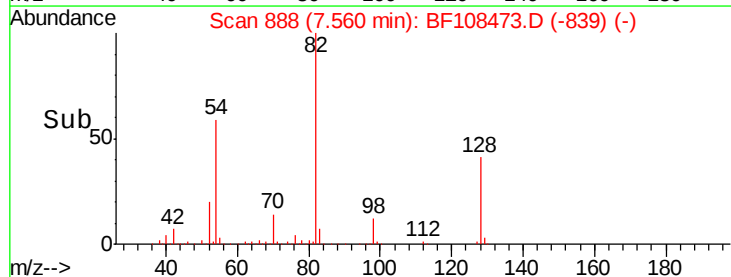
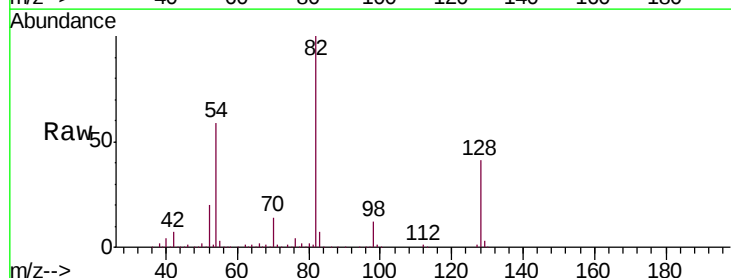
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C1

Tgt Ion:	136	Resp:	492325
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.0	6.6	9.8
68	5.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 75.923 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108473.D
Acq: 24 Aug 2018 19:47

Tgt Ion:	82	Resp:	669851
Ion	Ratio	Lower	Upper
82	100		
128	41.2	36.1	54.1
54	58.5	41.4	62.2





#25

Isophorone

Concen: 39.832 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-C1

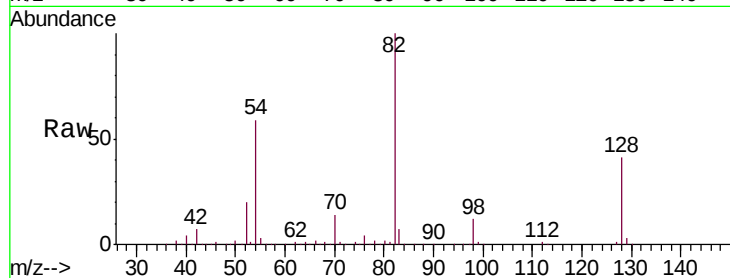
Tgt Ion: 82 Resp: 669842

Ion Ratio Lower Upper

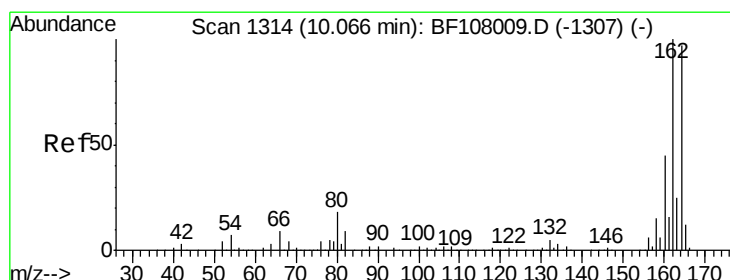
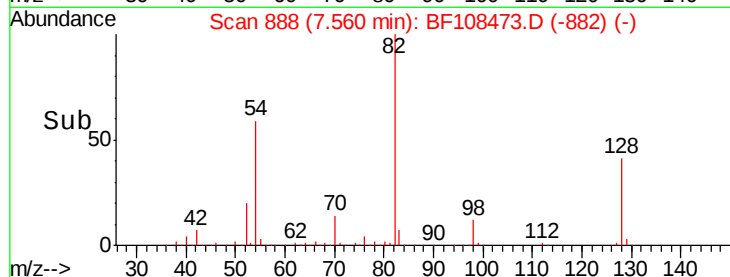
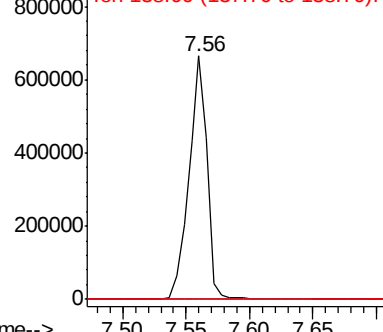
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

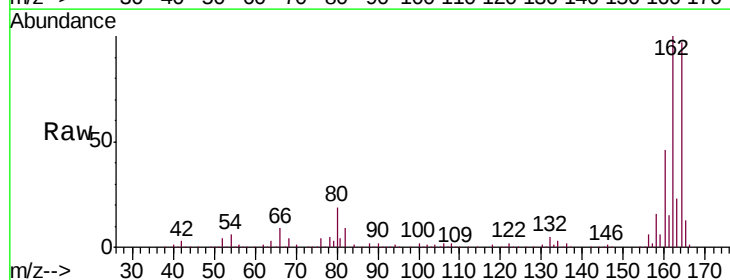
Tgt Ion: 164 Resp: 251094

Ion Ratio Lower Upper

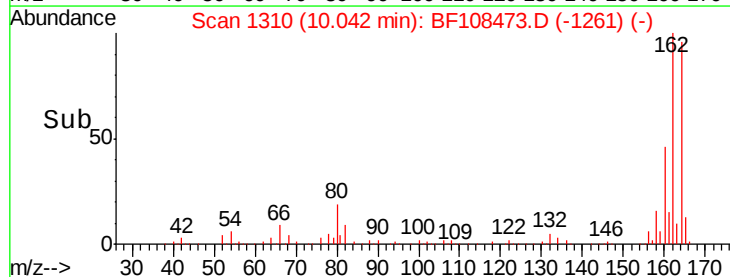
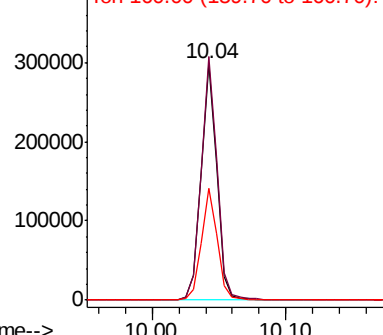
164 100

162 103.0 86.1 129.1

160 47.2 38.3 57.5



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

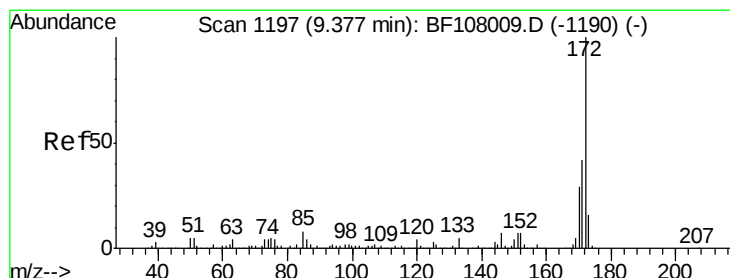
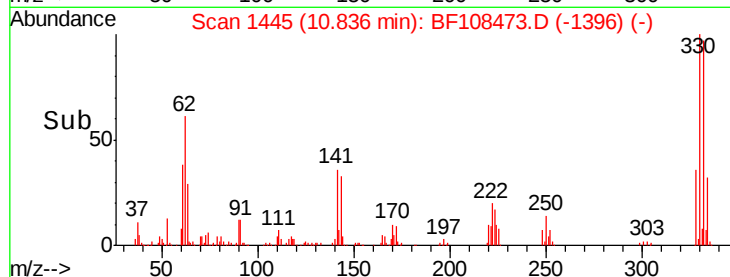
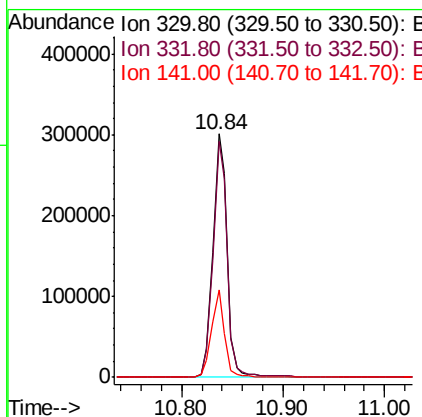
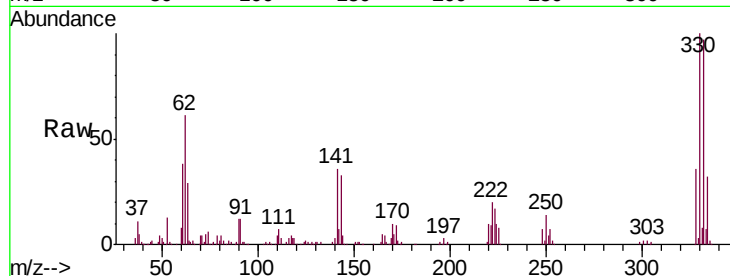




#41
 2,4,6-Tribromophenol
 Concen: 118.100 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108473.D
 Acq: 24 Aug 2018 19:47

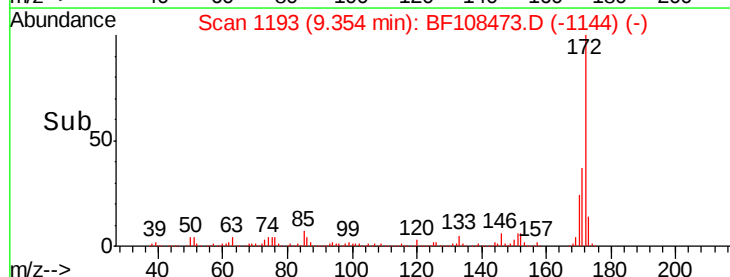
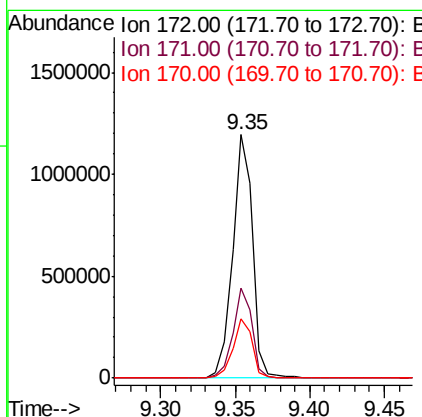
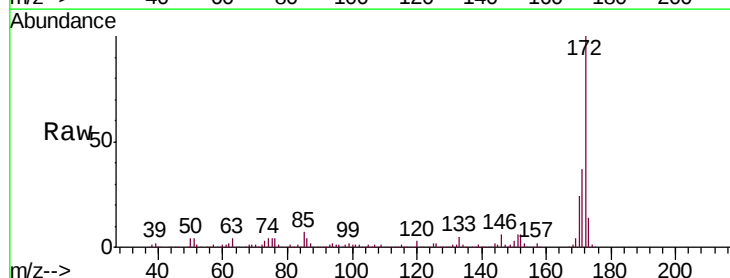
Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-C1

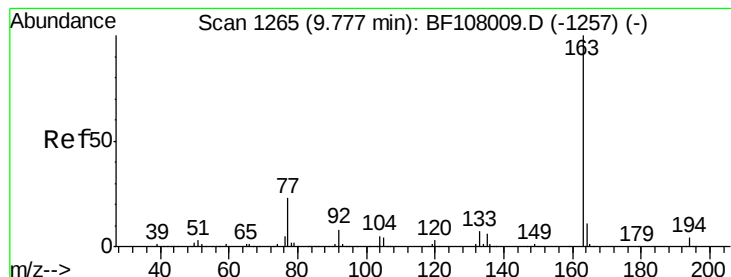
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	32.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 72.094 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108473.D
 Acq: 24 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.5	19.6	29.4





#49

Dimethylphthalate

Concen: 7.772 ng

RT: 9.74 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-C1

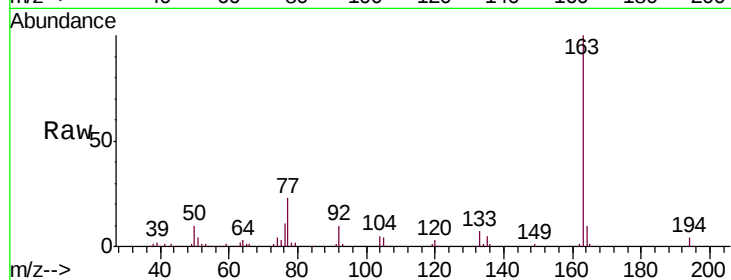
Tgt Ion:163 Resp: 135933

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

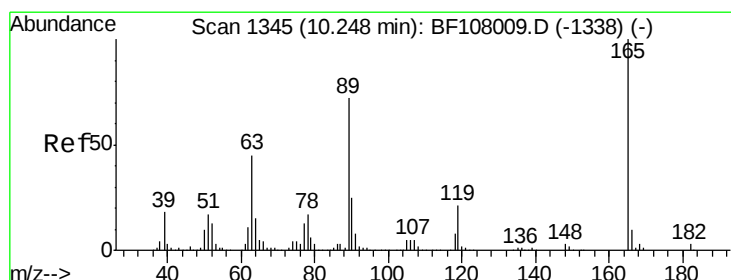
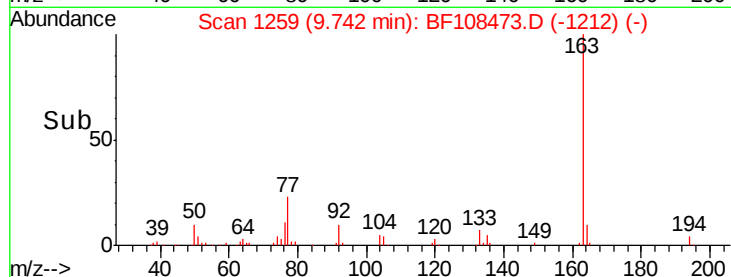
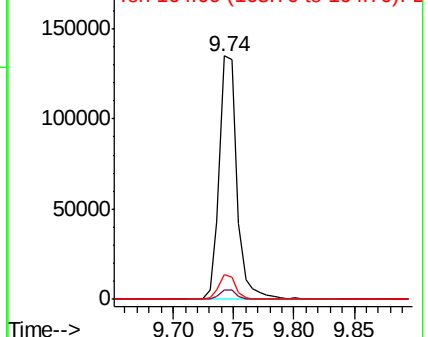
164 10.1 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.887 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.19 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

Tgt Ion:165 Resp: 32438

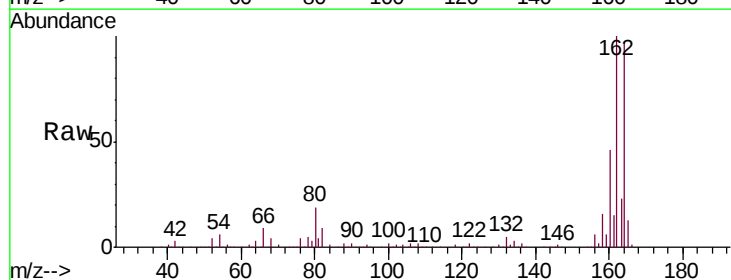
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

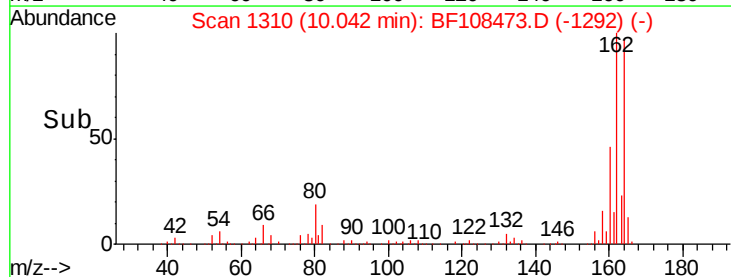
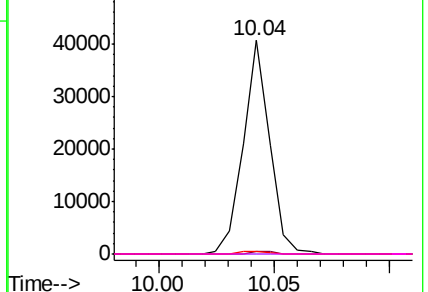


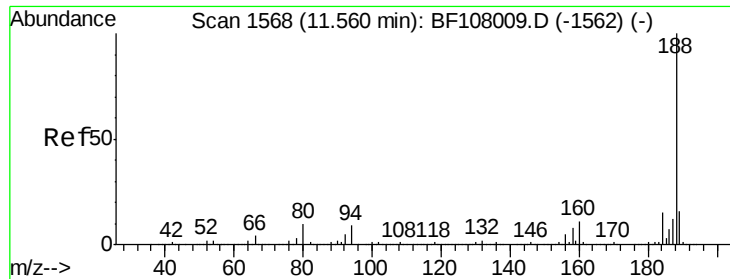
Abundance Ion 165.00 (164.70 to 165.70): E

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

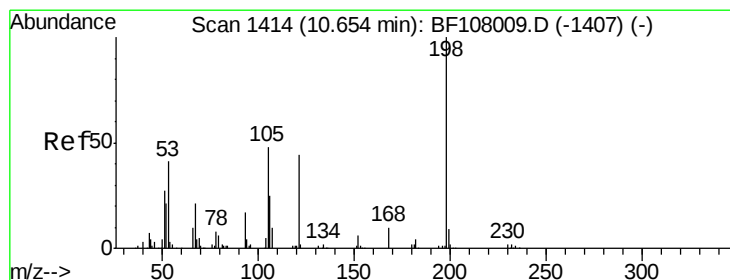
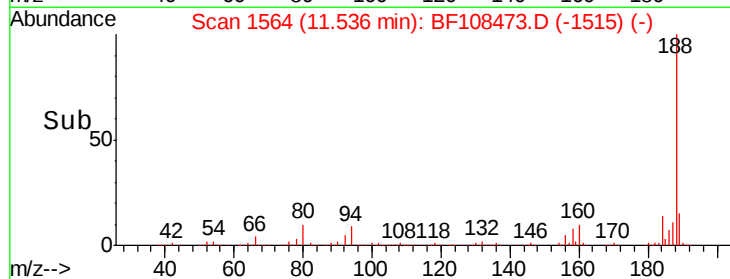
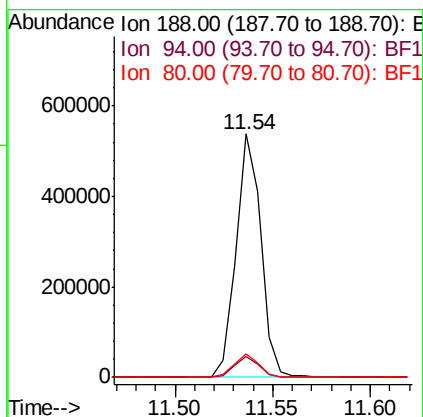
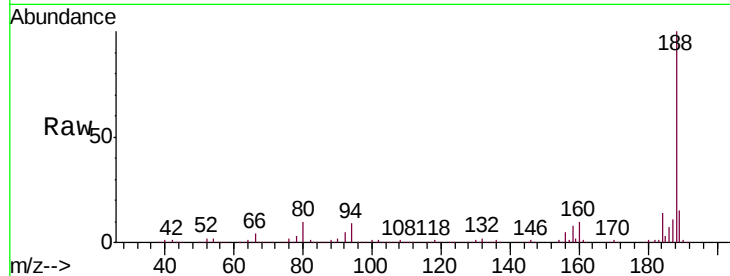




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108473.D
Acq: 24 Aug 2018 19:47

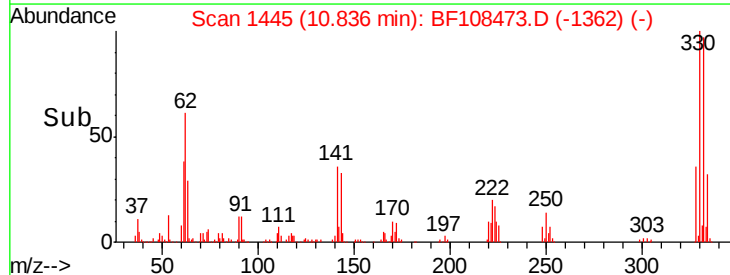
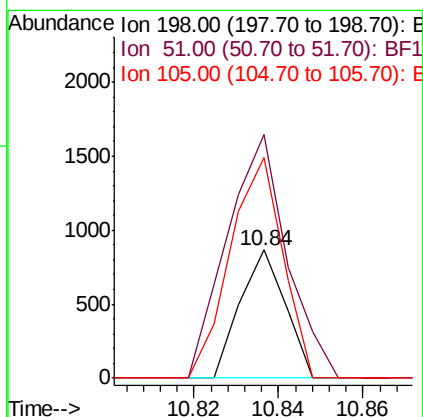
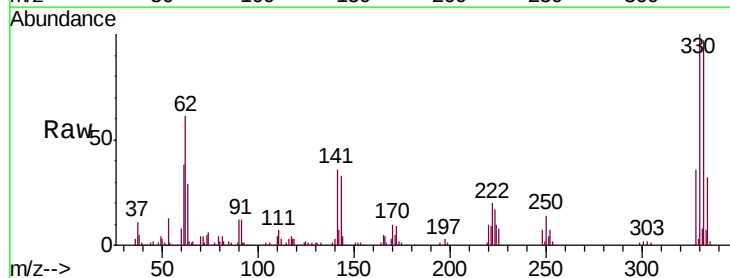
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-C1

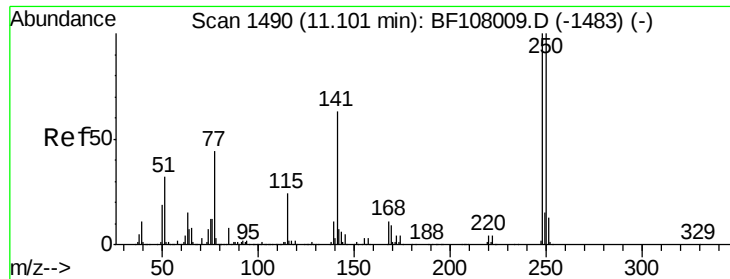
Tgt Ion:188 Resp: 474332
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.678 ng
RT: 10.84 min Scan# 1445
Delta R.T. 0.19 min
Lab File: BF108473.D
Acq: 24 Aug 2018 19:47

Tgt Ion:198 Resp: 640
Ion Ratio Lower Upper
198 100
51 190.3 37.7 77.7#
105 172.6 36.3 76.3#

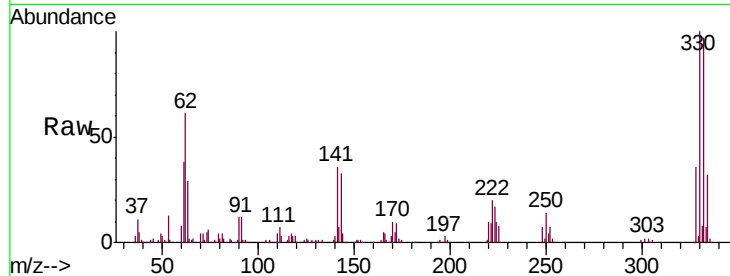




#66
 4-Bromophenyl-phenylether
 Concen: 3.896 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108473.D
 Acq: 24 Aug 2018 19:47

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-C1

Tgt Ion	Ratio	Lower	Upper
248	100		
250	191.3	76.9	115.3#
141	479.4	74.4	111.6#

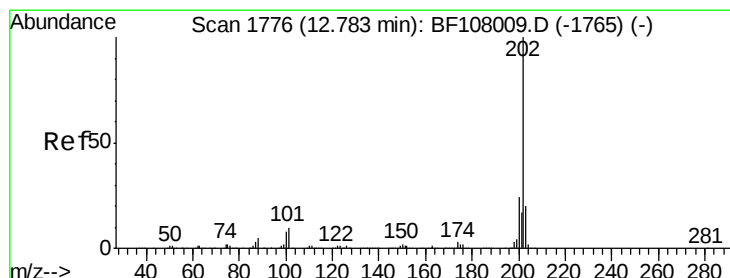
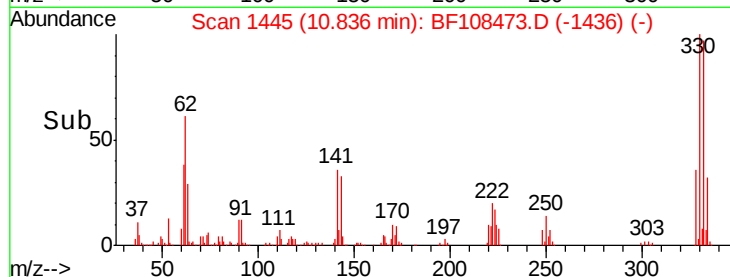
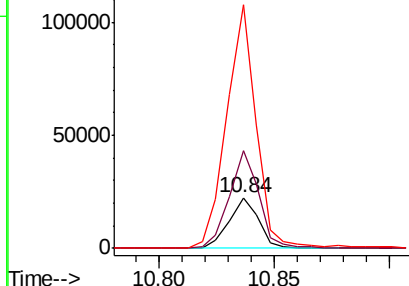


Abundance

Ion 248.00 (247.70 to 248.70): E

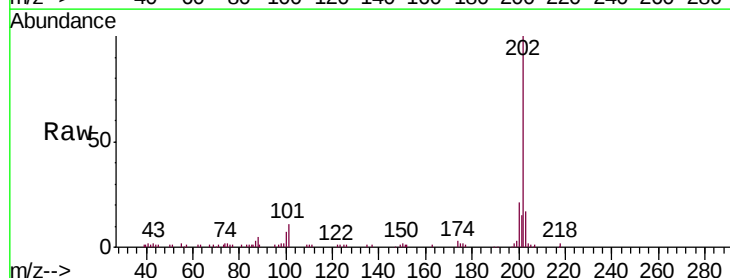
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#74
 Fluoranthene
 Concen: 2.650 ng
 RT: 12.75 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF108473.D
 Acq: 24 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	17.1	0.0	38.1

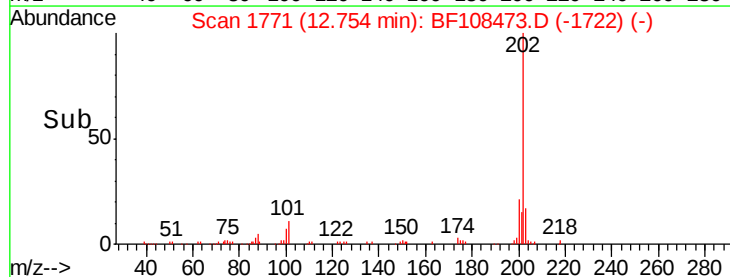
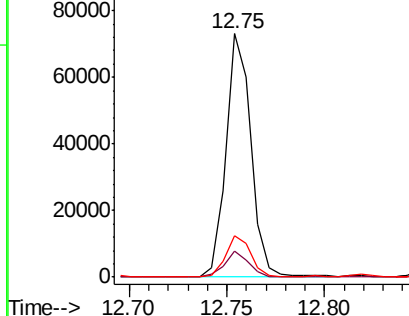


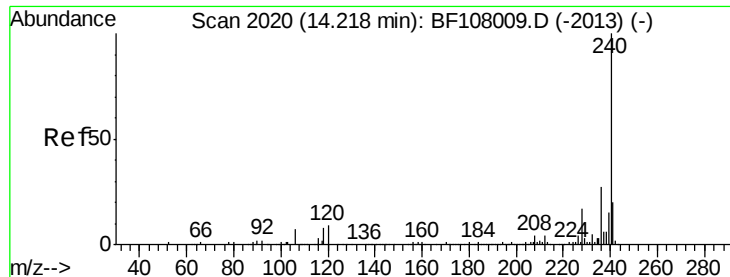
Abundance

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-C1

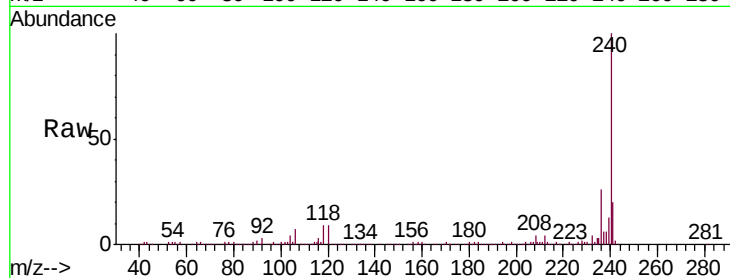
Tgt Ion:240 Resp: 261259

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

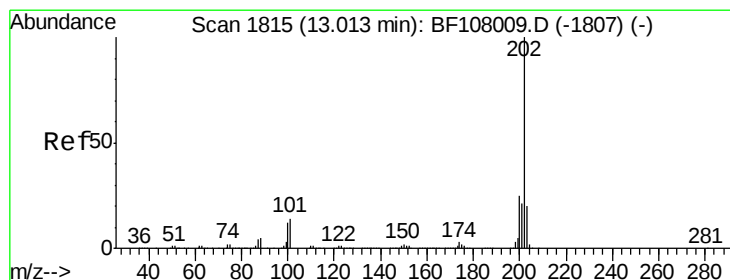
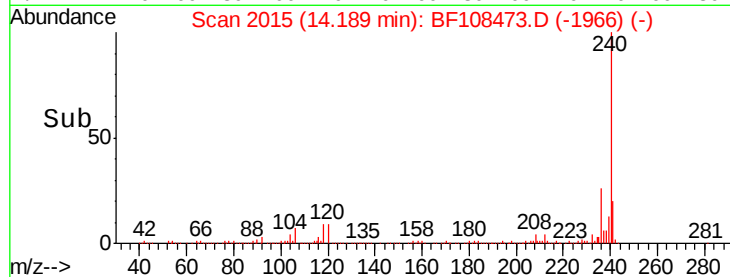
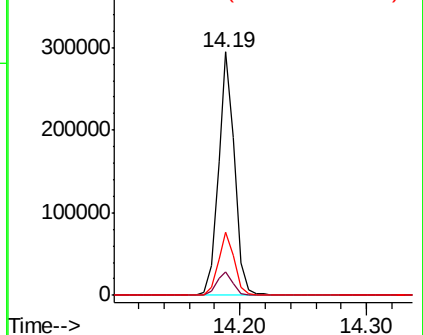
236 26.0 20.7 31.1



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



#77

Pyrene

Concen: 3.575 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

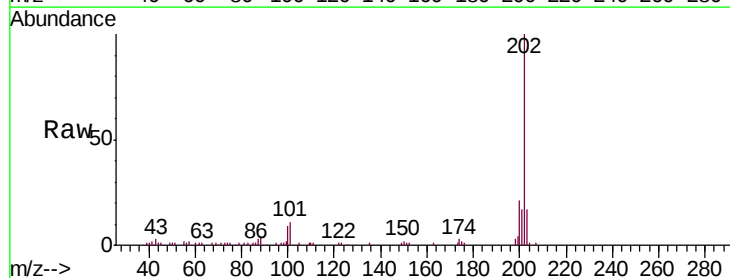
Tgt Ion:202 Resp: 59135

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

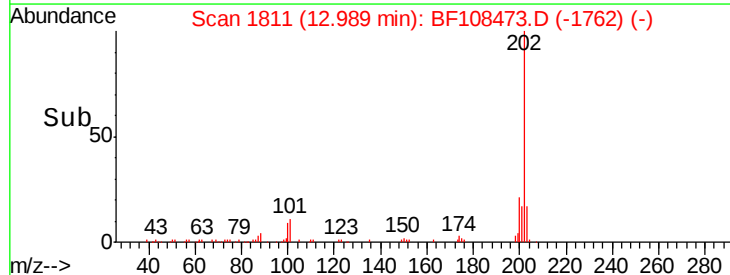
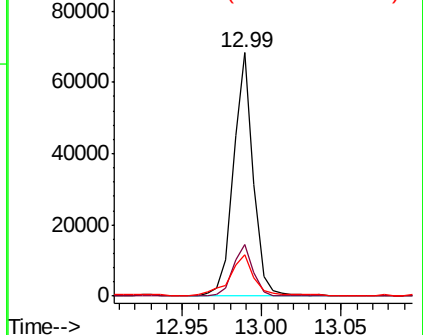
203 16.9 14.3 21.5

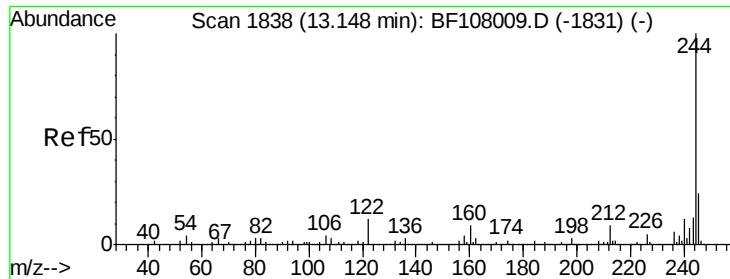


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 108.295 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-C1

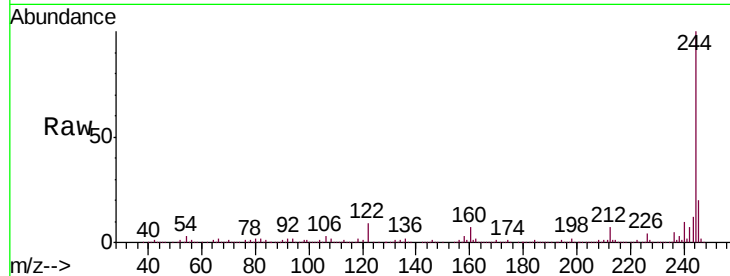
Tgt Ion:244 Resp: 1112779

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

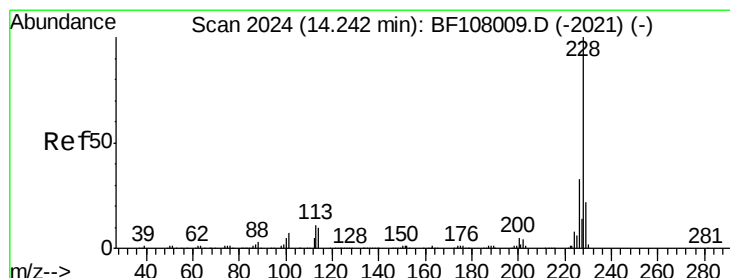
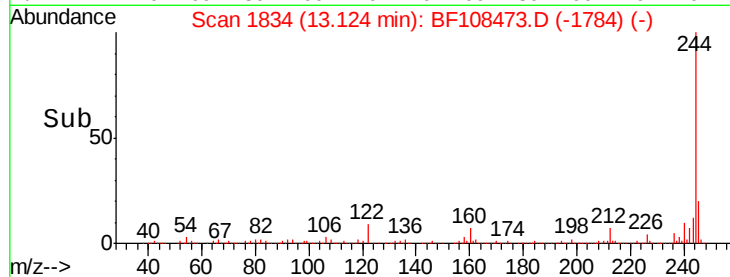
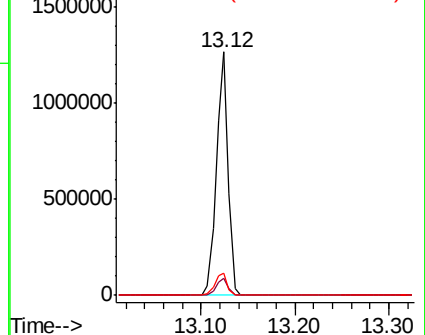
122 9.3 11.0 16.4#



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



#82

Chrysene

Concen: 2.055 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BF108473.D

Acq: 24 Aug 2018 19:47

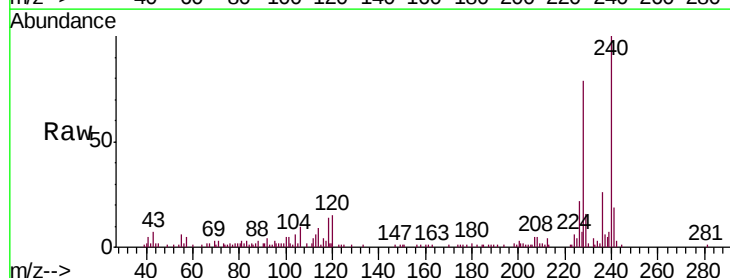
Tgt Ion:228 Resp: 28251

Ion Ratio Lower Upper

228 100

226 28.2 25.0 37.6

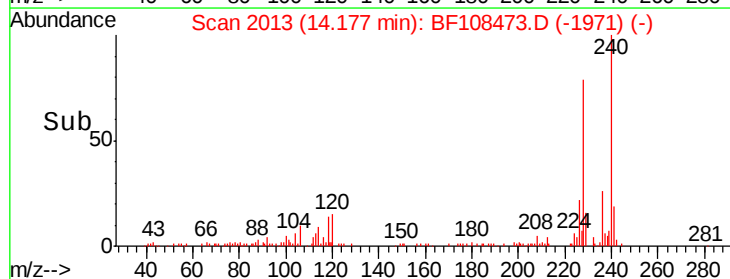
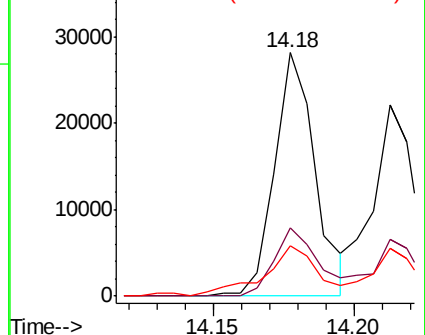
229 20.9 16.2 24.4

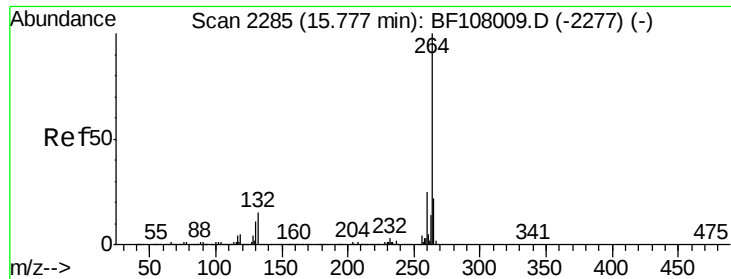


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

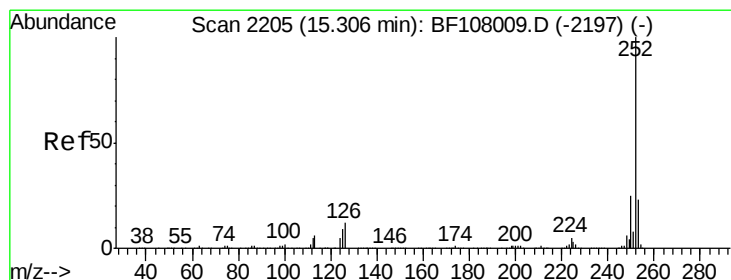
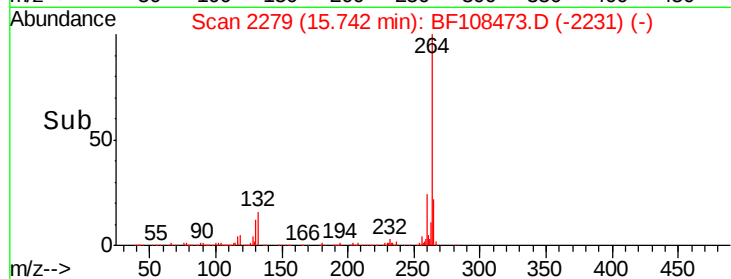
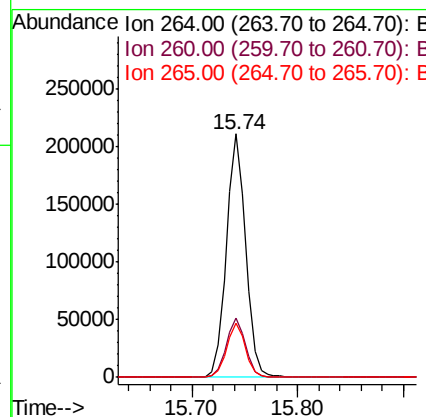
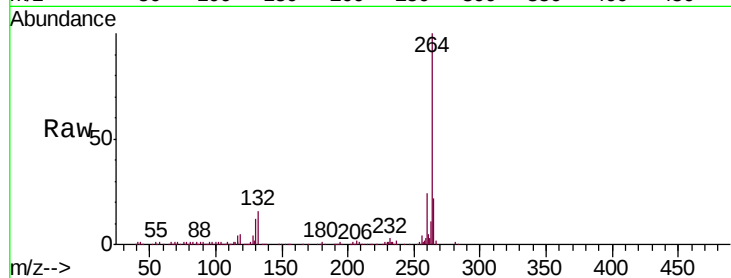




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF108473.D
Acq: 24 Aug 2018 19:47

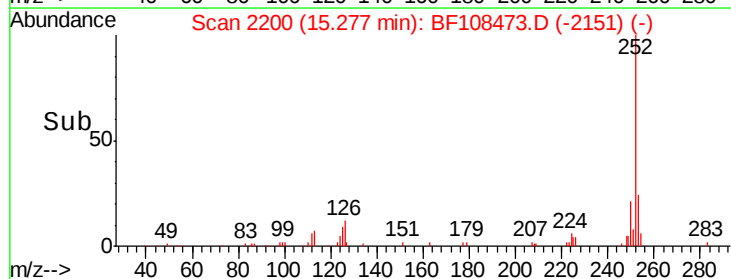
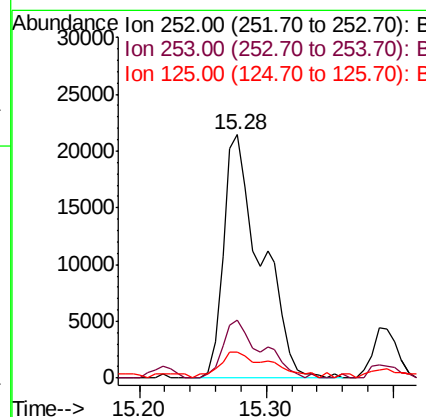
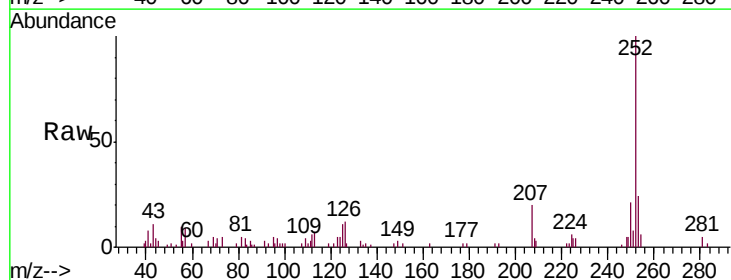
Instrument :
BNA_F
ClientSampled :
EP1-Q3-C1

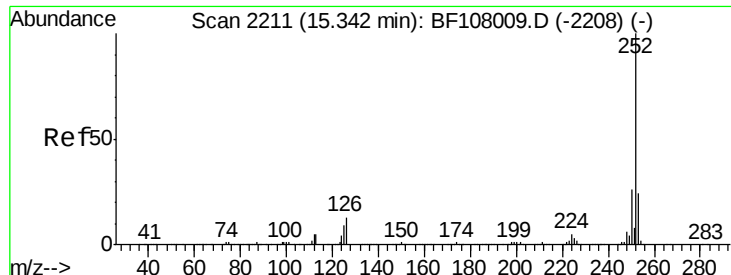
Tgt Ion:264 Resp: 268663
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.751 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108473.D
Acq: 24 Aug 2018 19:47

Tgt Ion:252 Resp: 44167
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 10.6 9.0 13.6





#88
 Benzo(k)fluoranthene
 Concen: 2.993 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. -0.05 min
 Lab File: BF108473.D
 Acq: 24 Aug 2018 19:47

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-C1

Tgt Ion:	252	Resp:	44167
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	10.6	10.2	15.2

