

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108505.D
 Acq On : 27 Aug 2018 12:55
 Operator : JU/SJ
 Sample : J4273-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 14:03:04 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

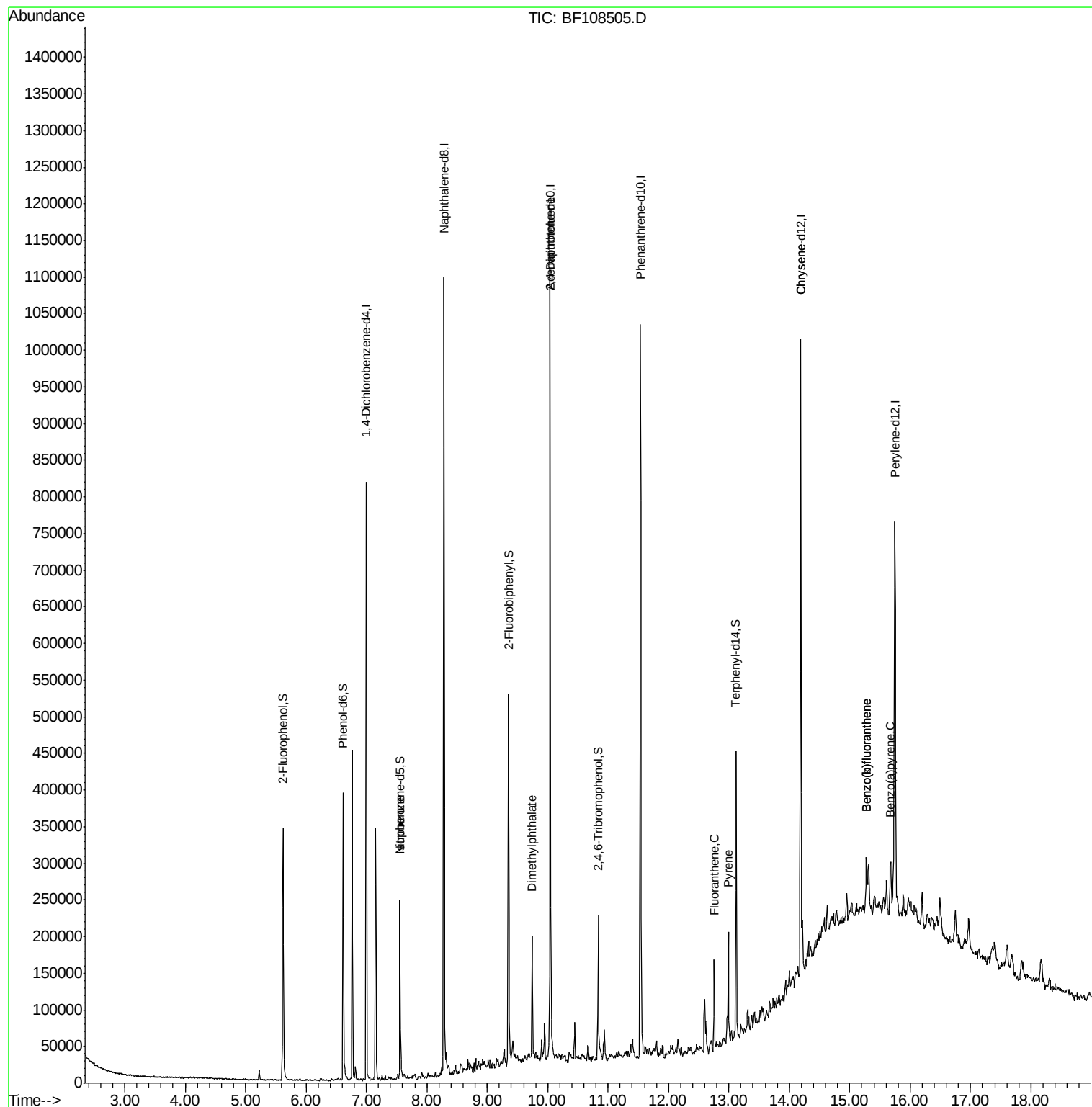
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	119409	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	474287	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	227237	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	363452	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	300079	20.00	ng	-0.01
86) Perylene-d12	15.75	264	265855	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	91572	13.88	ng	-0.01
7) Phenol-d6	6.61	99	124396	14.19	ng	-0.02
23) Nitrobenzene-d5	7.55	82	79848	9.39	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	26265	11.59	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	166466	11.76	ng	-0.01
78) Terphenyl-d14	13.12	244	126304	10.70	ng	-0.01
Target Compounds						
25) Isophorone	7.55	82	79847	4.929	ng	# 65
49) Dimethylphthalate	9.74	163	51570	3.258	ng	# 97
56) 2,4-Dinitrotoluene	10.04	165	29419	6.901	ng	# 23
74) Fluoranthene	12.76	202	52911	2.828	ng	93
77) Pyrene	12.99	202	57509	3.027	ng	100
82) Chrysene	14.18	228	32106	2.034	ng	96
87) Benzo(b)fluoranthene	15.28	252	55217	3.476	ng	# 89
88) Benzo(k)fluoranthene	15.28	252	55217	3.781	ng	# 92
89) Benzo(a)pyrene	15.68	252	29202	2.053	ng	# 90

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

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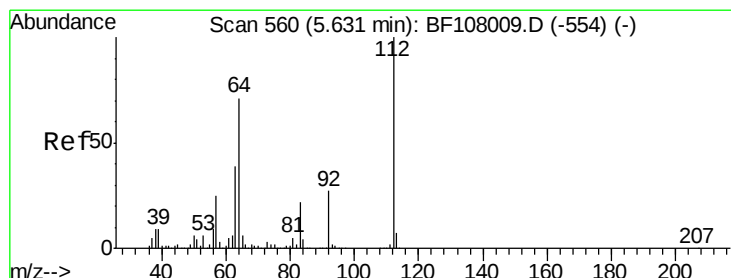
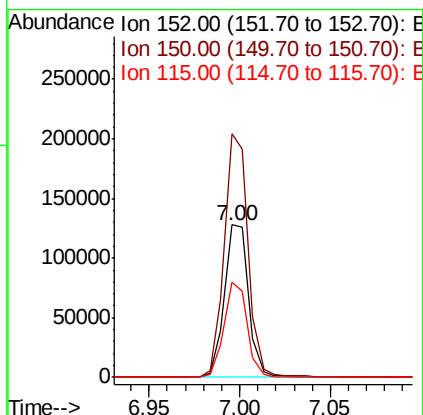
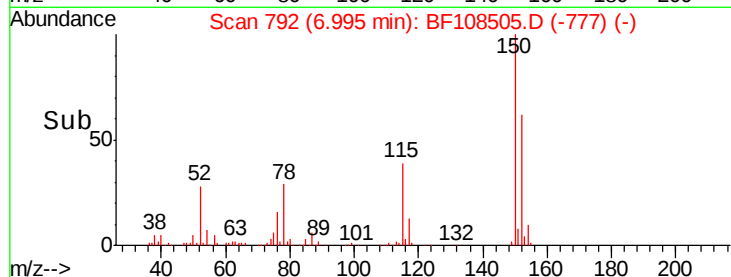
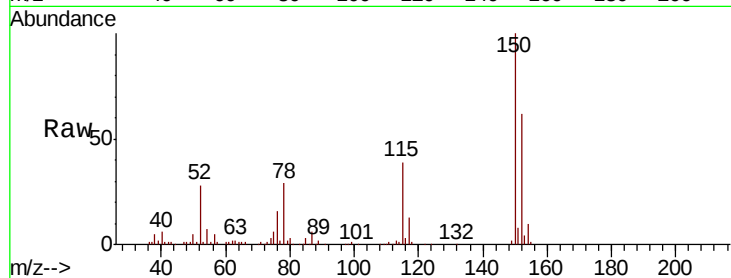


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

Instrument :
BNA_F
ClientSampleId :

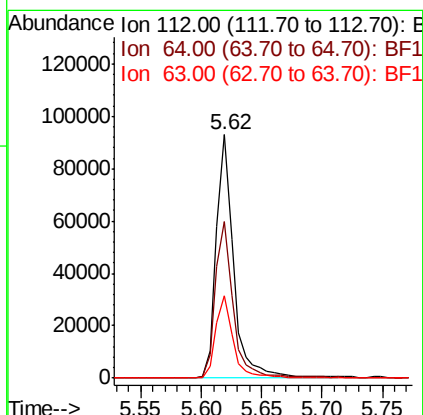
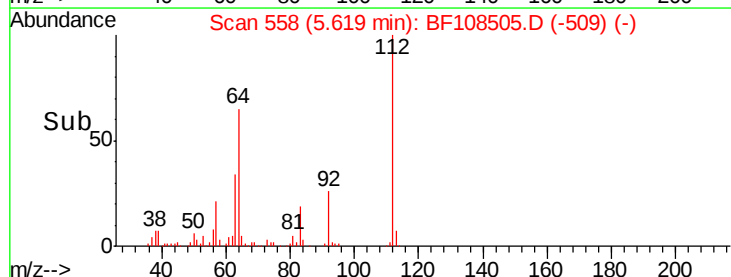
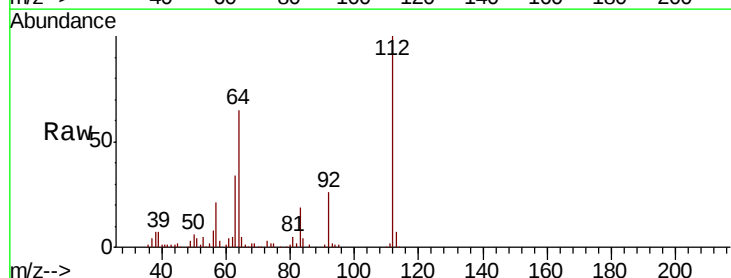
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	62.6	50.1	75.1

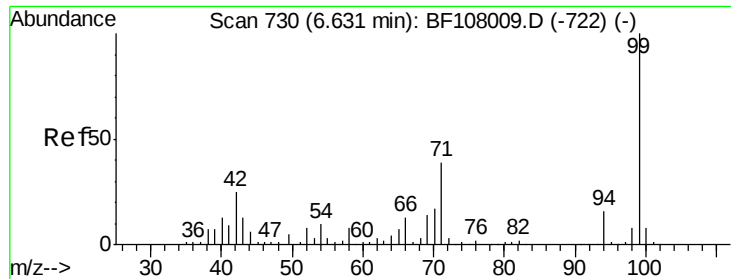


#5

2-Fluorophenol
Concen: 13.884 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	33.7	23.7	35.5





#7

Phenol-d6

Concen: 14.193 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108505.D

Acq: 27 Aug 2018 12:55

Instrument :

BNA_F

ClientSampleId :

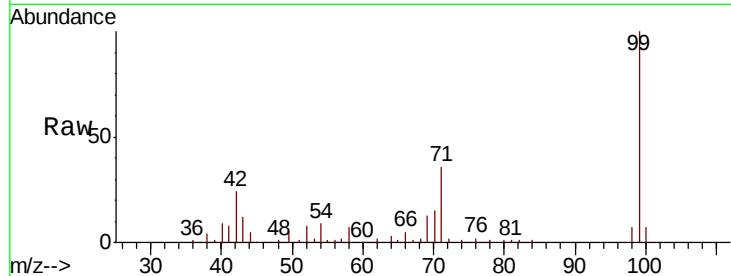
Tot Ion: 99 Resp: 124396

Ion Ratio Lower Upper

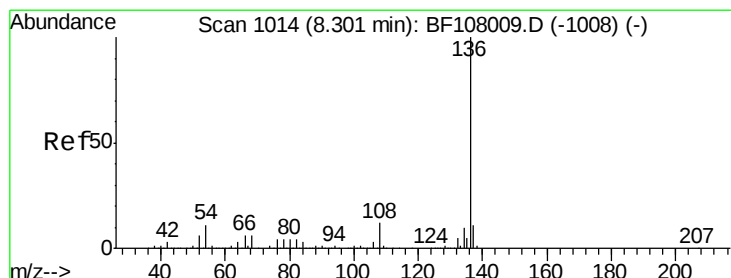
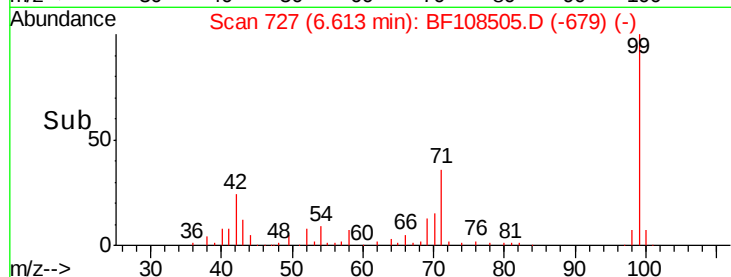
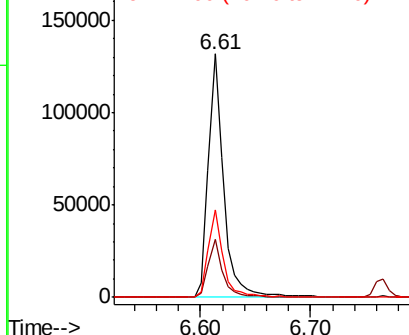
99 100

42 23.6 14.5 21.7#

71 35.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108505.D

Acq: 27 Aug 2018 12:55

Tgt Ion: 136 Resp: 474287

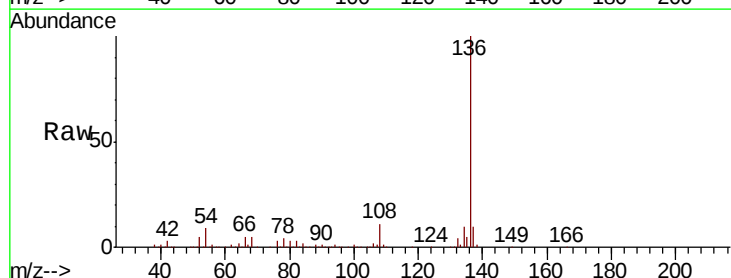
Ion Ratio Lower Upper

136 100

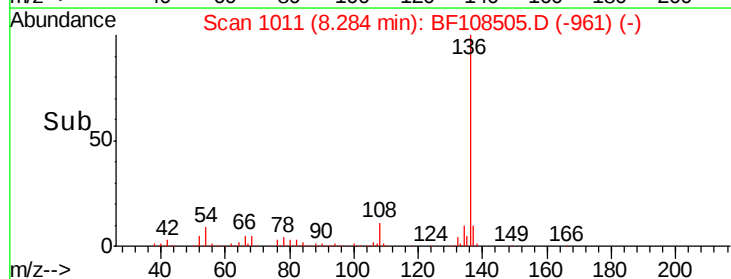
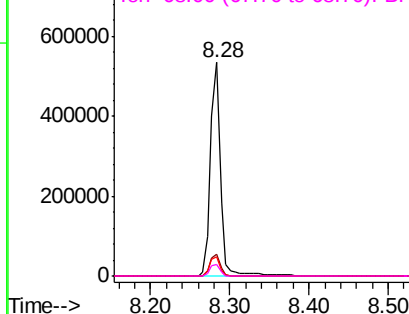
137 10.5 8.9 13.3

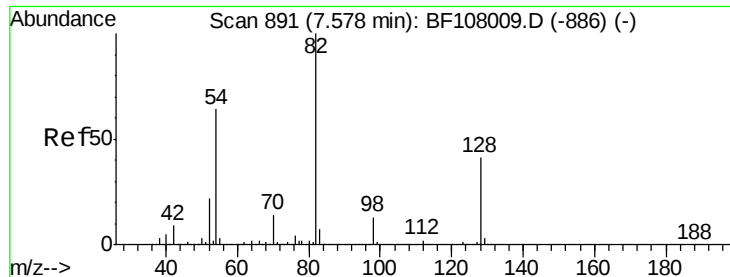
54 8.9 6.6 9.8

68 5.3 5.0 7.4



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

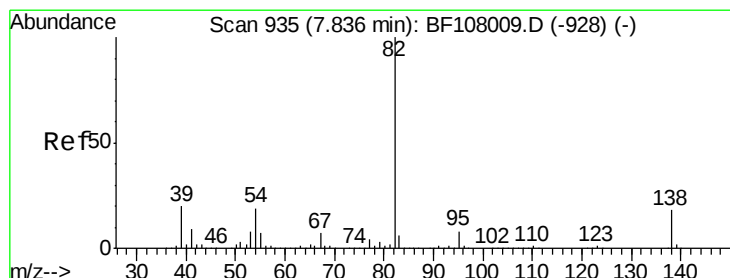
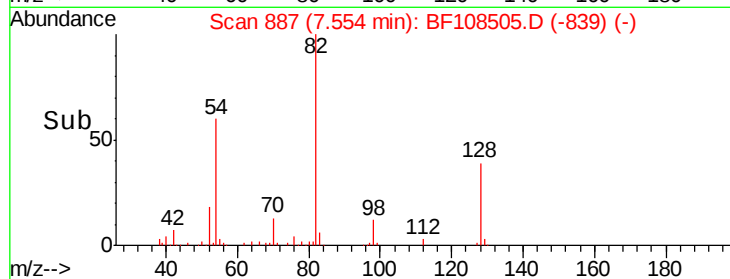
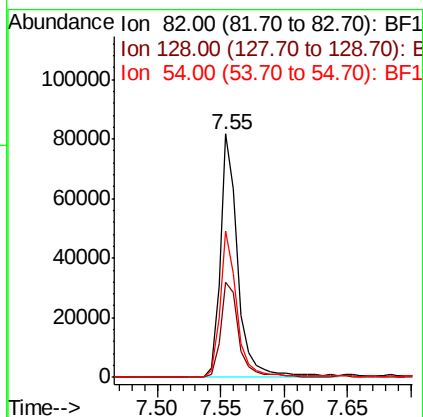
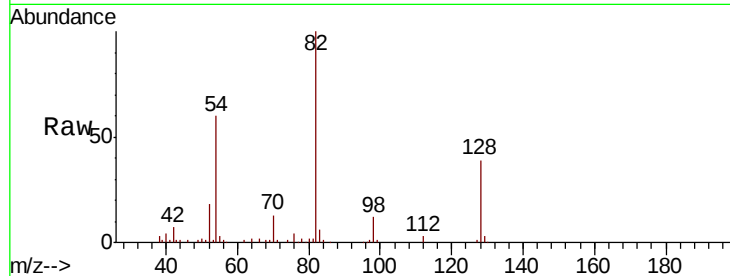




#23
 Nitrobenzene-d5
 Concen: 9.394 ng
 RT: 7.55 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF108505.D
 Acq: 27 Aug 2018 12:55

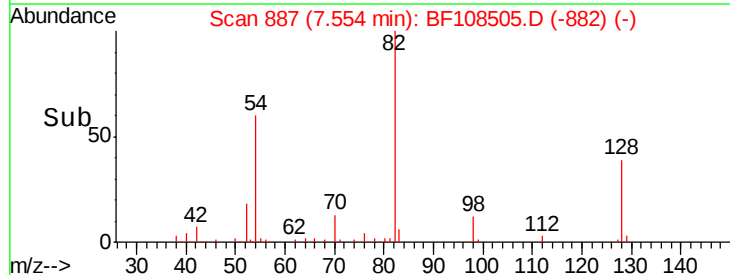
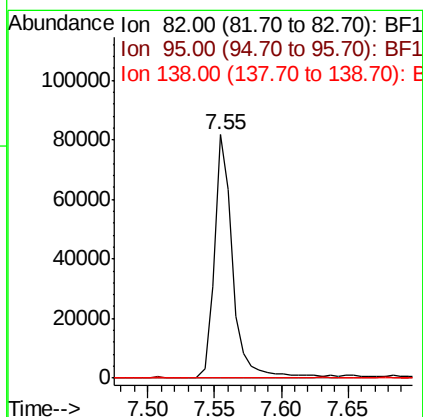
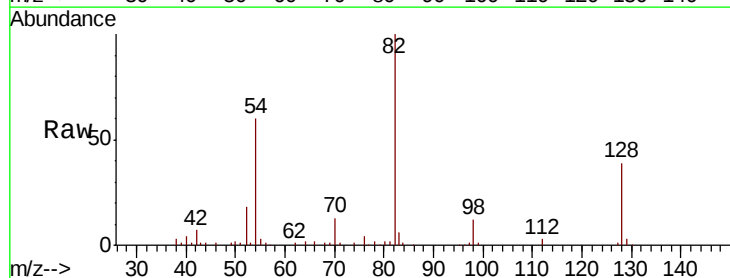
Instrument :
 BNA_F
 ClientSampled :

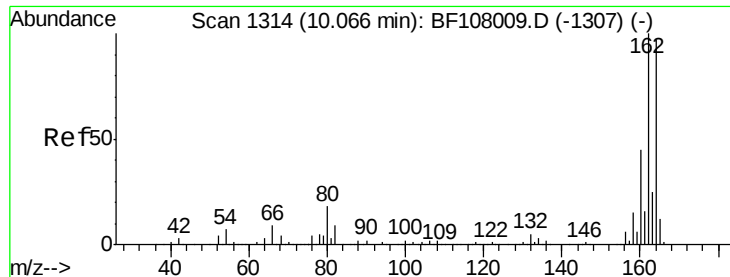
Tot Ion	82	Resp	79848
Ion Ratio	Lower	Upper	
82	100		
128	39.3	36.1	54.1
54	59.9	41.4	62.2



#25
 Isophorone
 Concen: 4.929 ng
 RT: 7.55 min Scan# 887
 Delta R.T. -0.27 min
 Lab File: BF108505.D
 Acq: 27 Aug 2018 12:55

Tgt Ion	82	Resp	79847
Ion Ratio	Lower	Upper	
82	100		
95	0.4	5.2	7.8#
138	0.0	14.9	22.3#

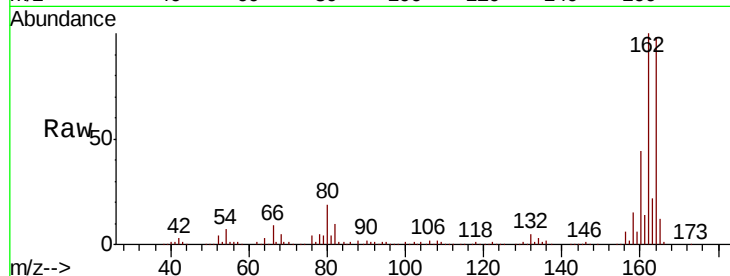




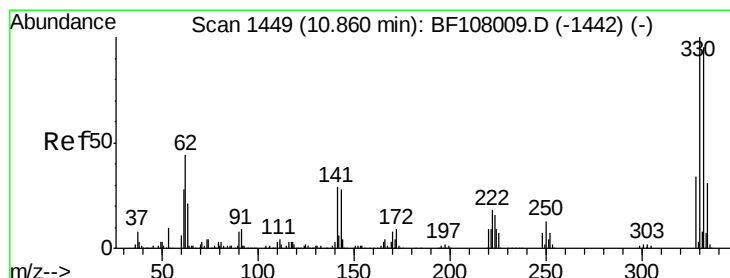
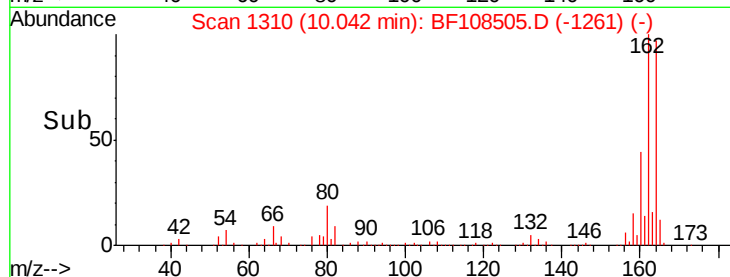
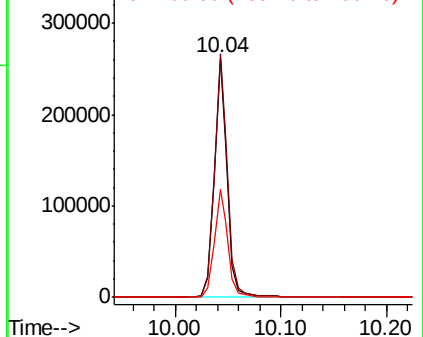
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 227237
Ion Ratio Lower Upper
164 100
162 102.0 86.1 129.1
160 45.1 38.3 57.5

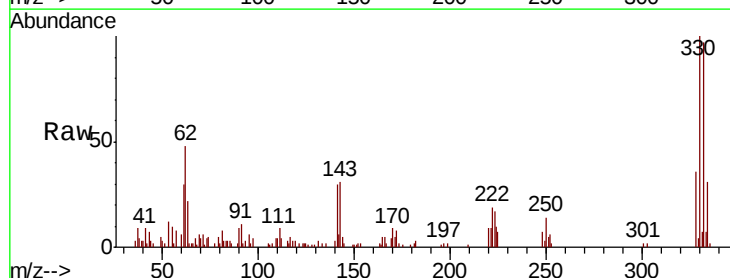


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

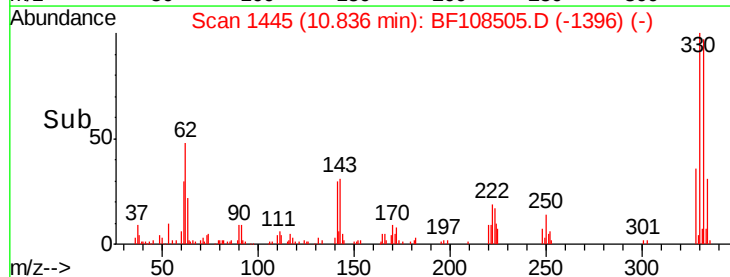
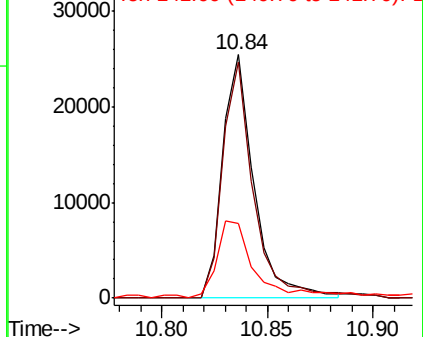


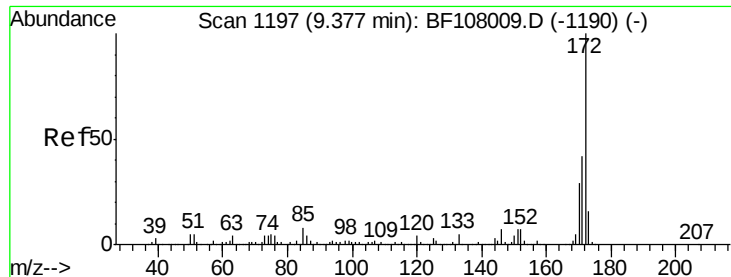
#41
2,4,6-Tribromophenol
Concen: 11.588 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

Tgt Ion:330 Resp: 26265
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 41.2 29.9 44.9



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





#44

2-Fluorobiphenyl

Concen: 11.761 ng

RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF108505.D

Acq: 27 Aug 2018 12:55

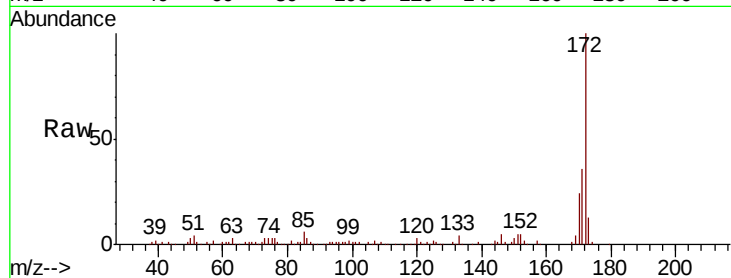
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 166466

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.3	19.6	29.4

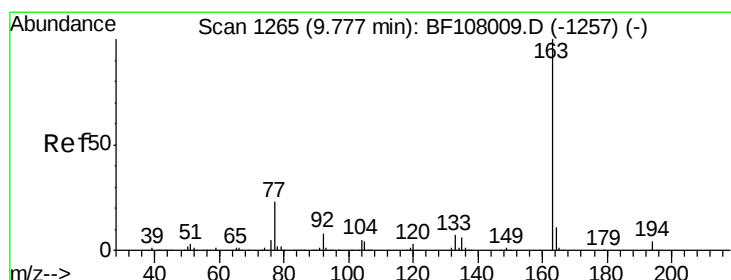
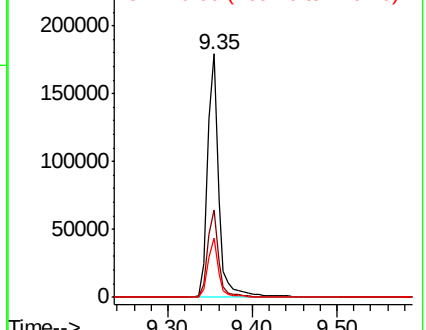
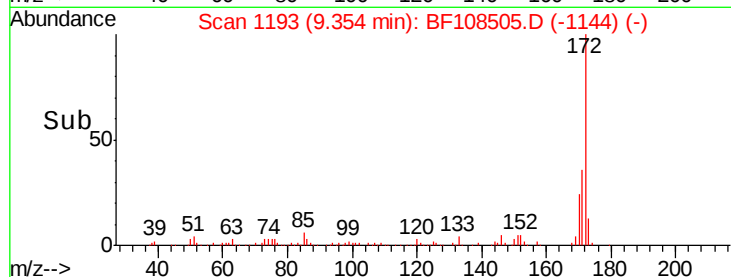


Abundance

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



#49

Dimethylphthalate

Concen: 3.258 ng

RT: 9.74 min Scan# 1259

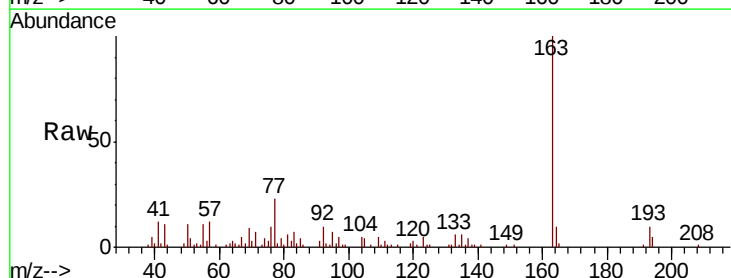
Delta R.T. -0.02 min

Lab File: BF108505.D

Acq: 27 Aug 2018 12:55

Tgt Ion:163 Resp: 51570

Ion	Ratio	Lower	Upper
163	100		
194	5.4	2.7	4.1#
164	9.6	8.2	12.2

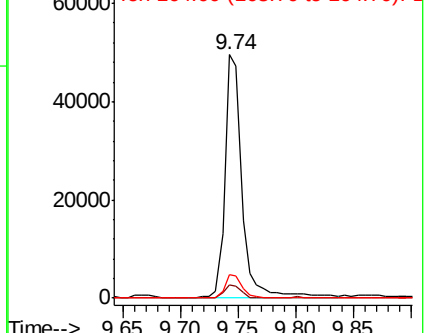
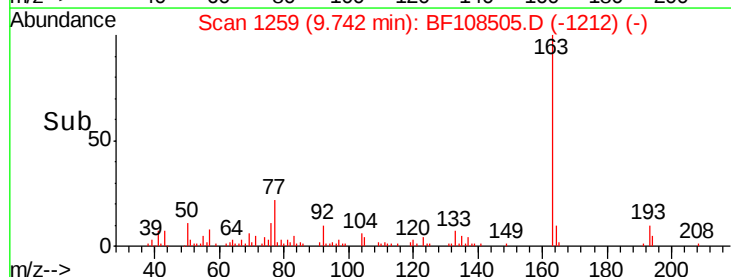


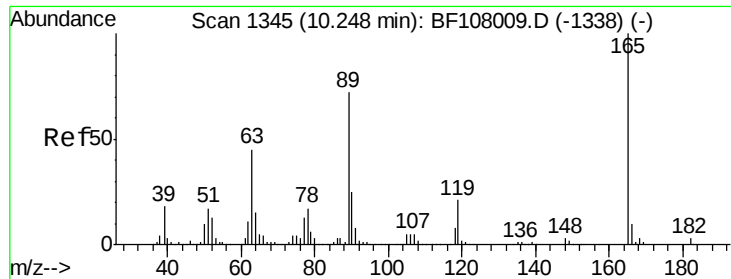
Abundance

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

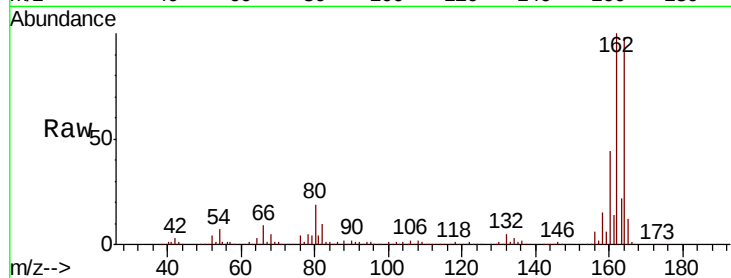




#56
 2,4-Dinitrotoluene
 Concen: 6.901 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108505.D
 Acq: 27 Aug 2018 12:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



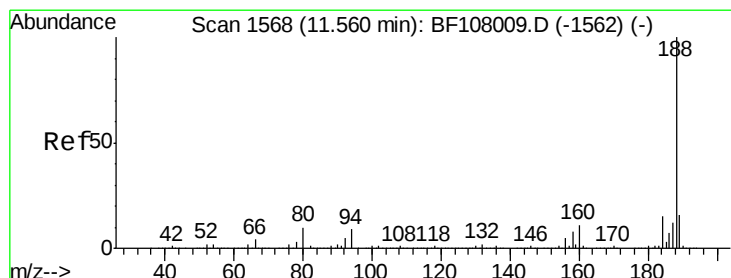
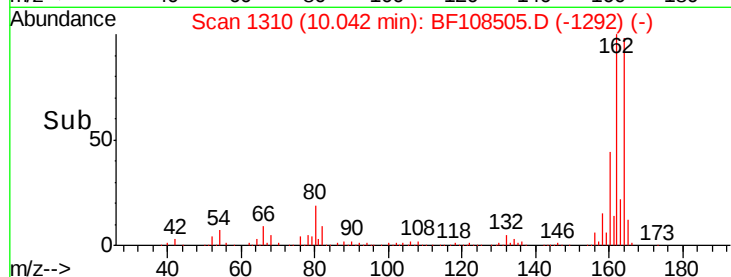
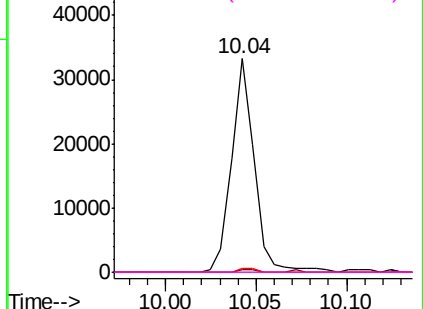
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

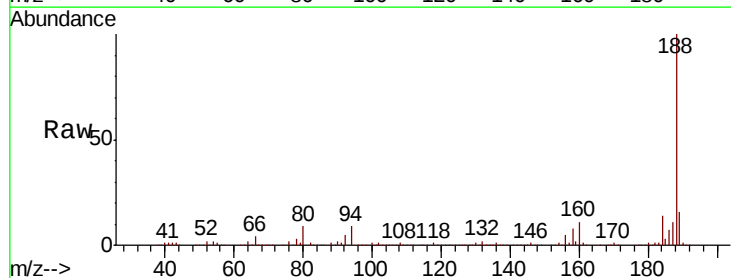
Ion 89.00 (88.70 to 89.70): BF1

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: BF108505.D
 Acq: 27 Aug 2018 12:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.3	9.2	13.8

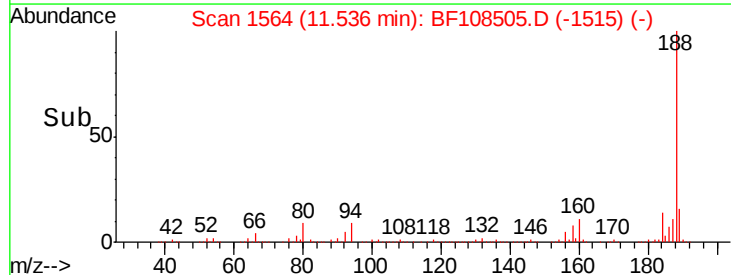
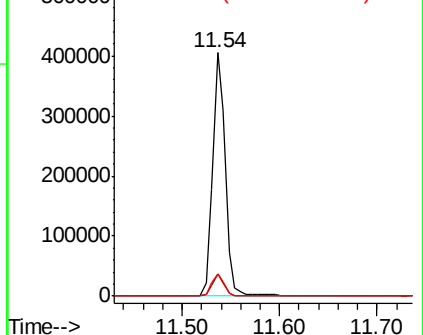


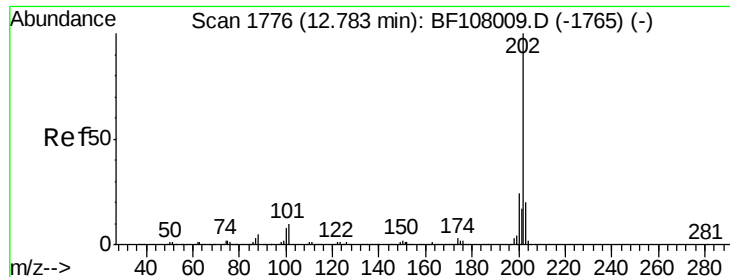
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#74

Fluoranthene

Concen: 2.828 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108505.D

Acq: 27 Aug 2018 12:55

Instrument :

BNA_F

ClientSampleId :

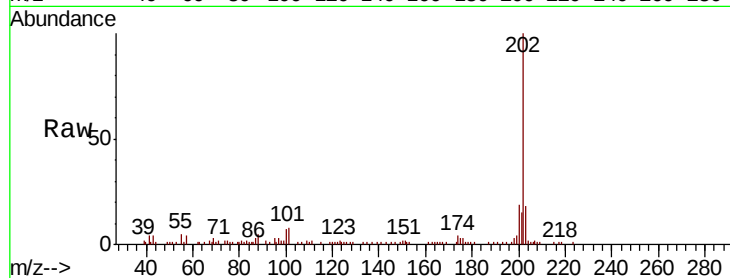
Tot Ion:202 Resp: 52911

Ion Ratio Lower Upper

202 100

101 8.3 0.0 34.1

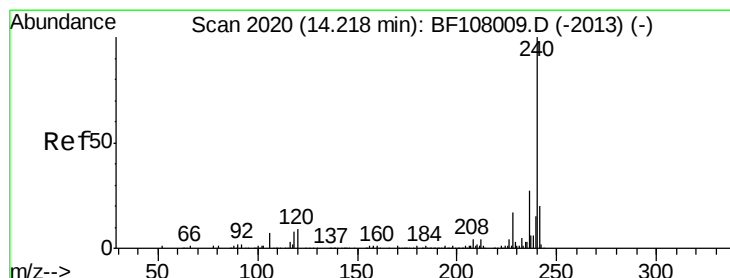
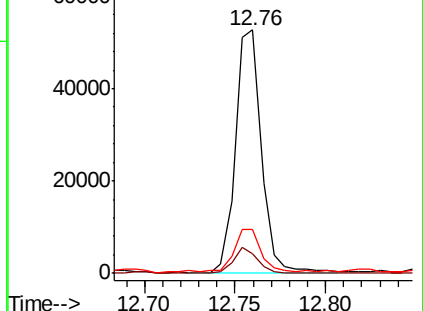
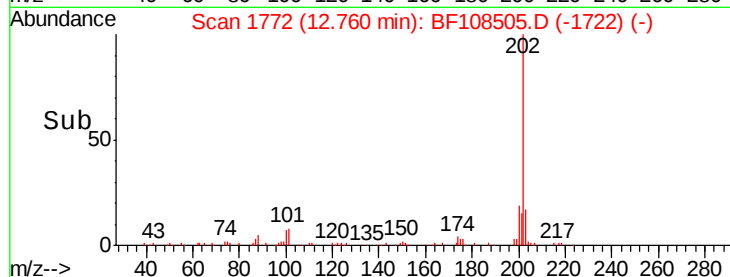
203 17.9 0.0 38.1



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: BF108505.D

Acq: 27 Aug 2018 12:55

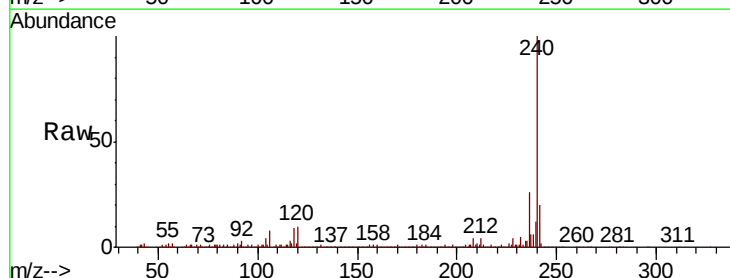
Tgt Ion:240 Resp: 300079

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

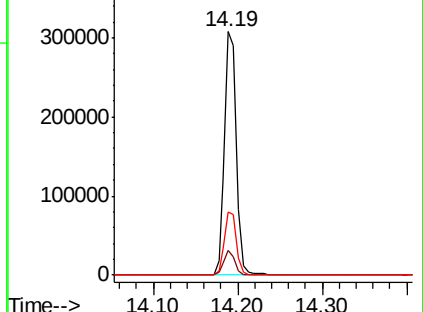
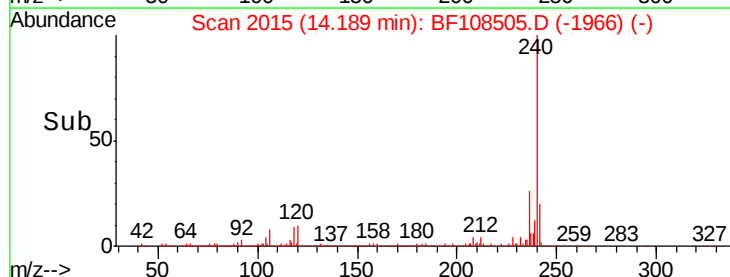
236 26.1 20.7 31.1

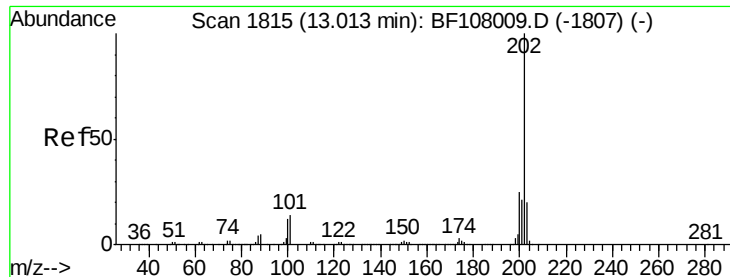


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

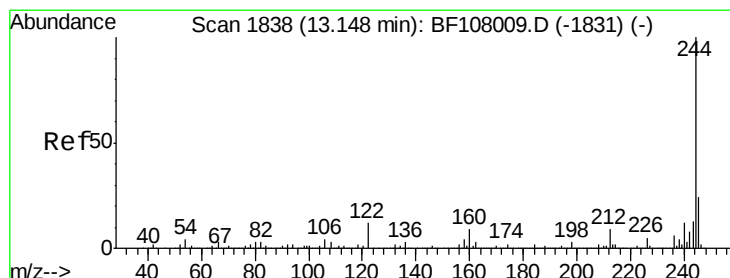
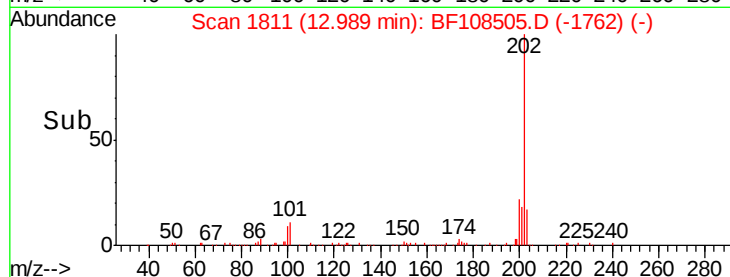
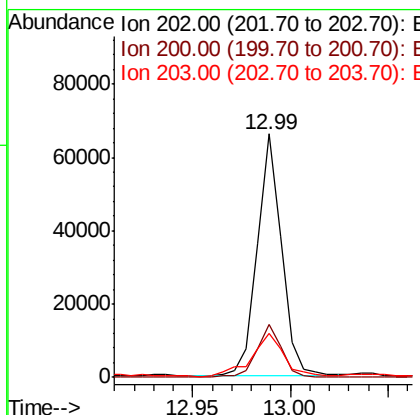
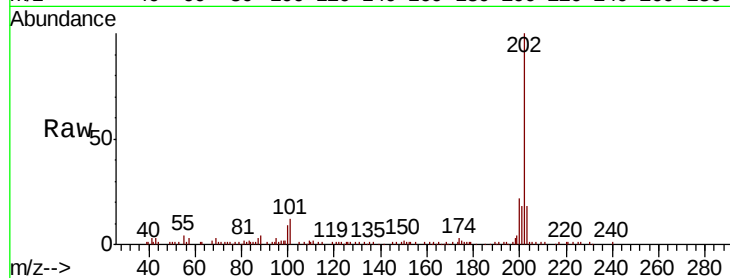




#77
Pvrene
Concen: 3.027 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

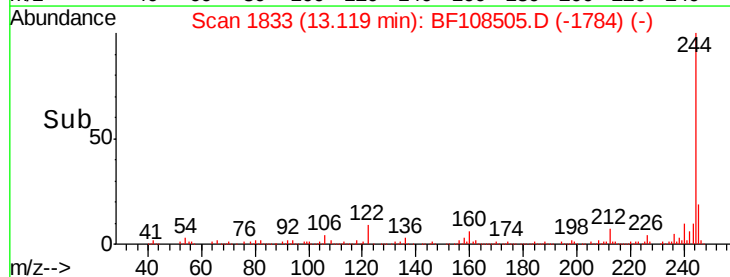
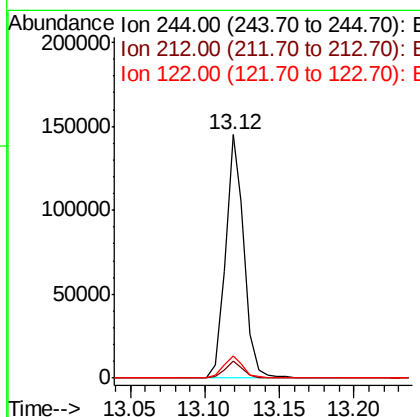
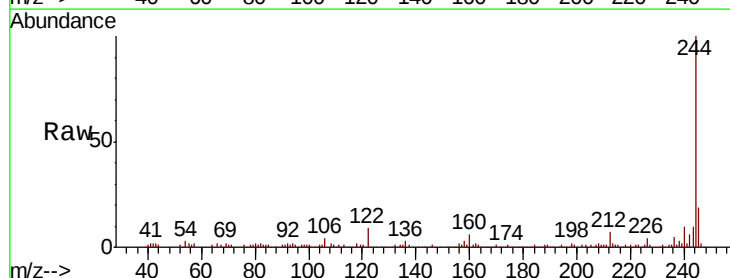
Instrument :
BNA_F
ClientSampleId :

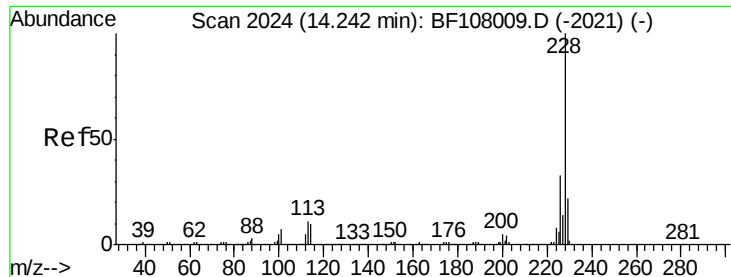
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5



#78
Terphenyl-d14
Concen: 10.702 ng
RT: 13.12 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	9.0	11.0	16.4

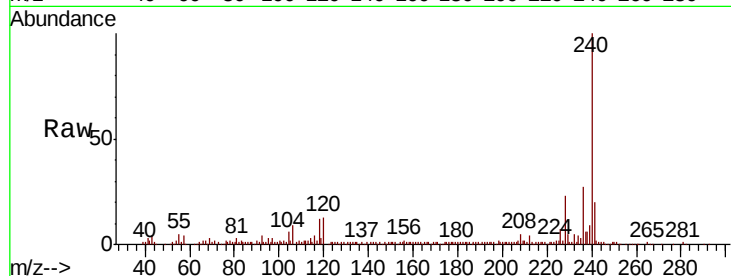




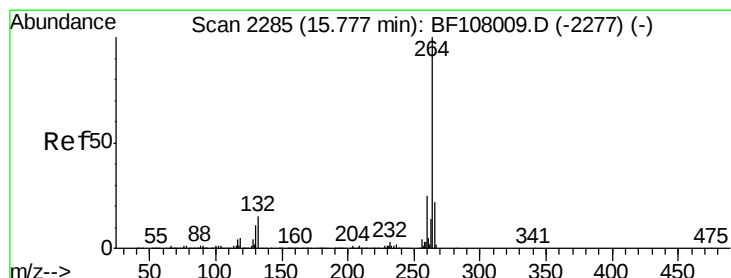
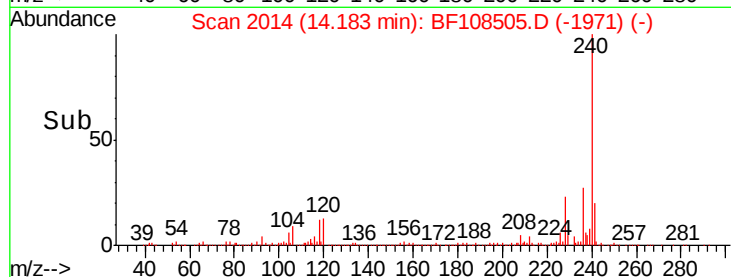
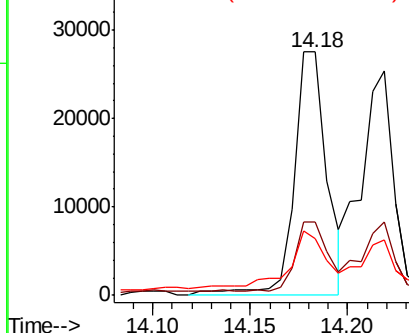
#82
Chrysene
Concen: 2.034 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.05 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 32106
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 23.4 16.2 24.4

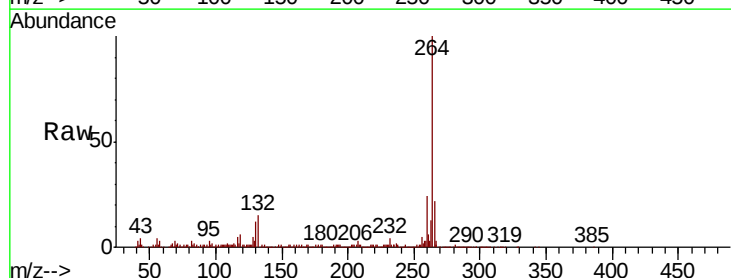


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

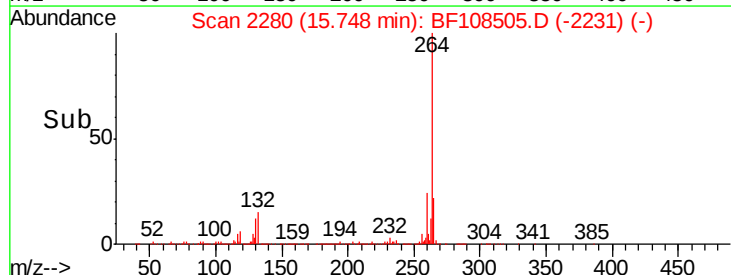
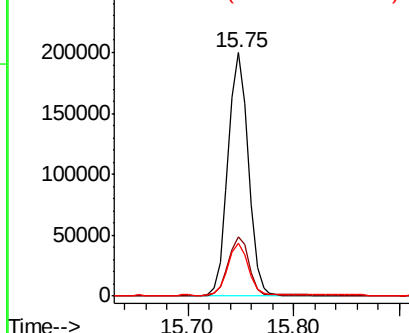


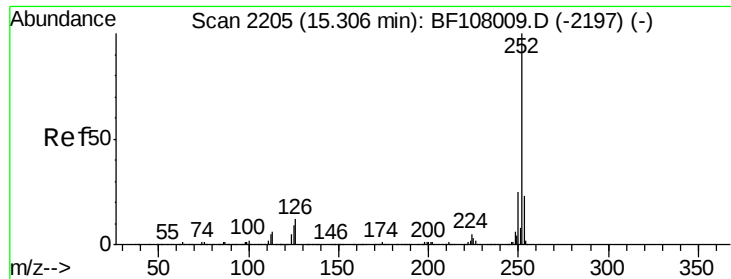
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

Tgt Ion:264 Resp: 265855
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.9 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

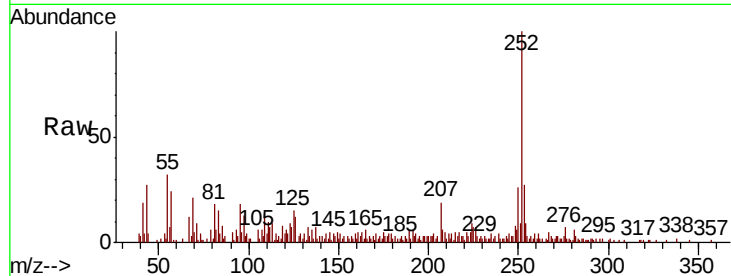




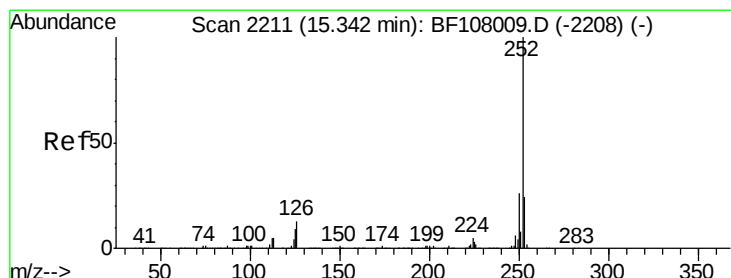
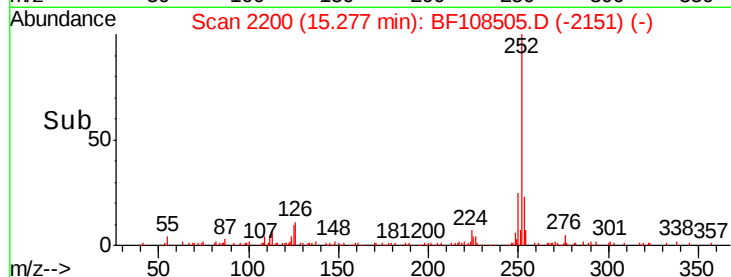
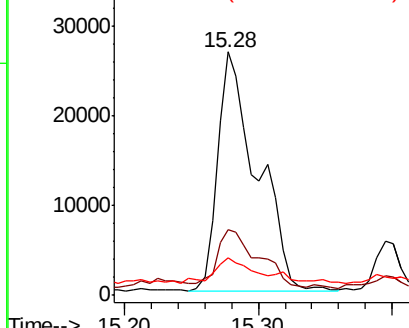
#87
Benzo(b)fluoranthene
Concen: 3.476 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.0	25.6#
125	15.2	9.0	13.6#

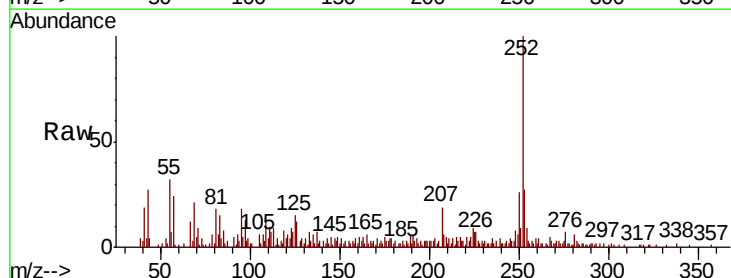


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

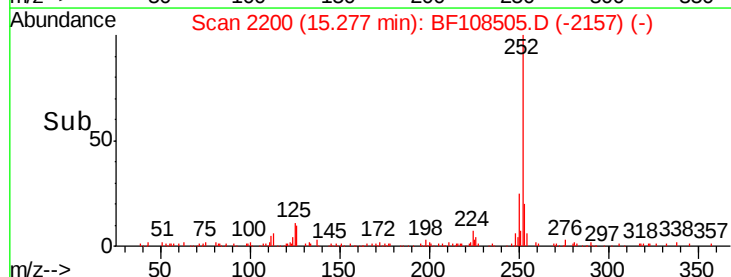
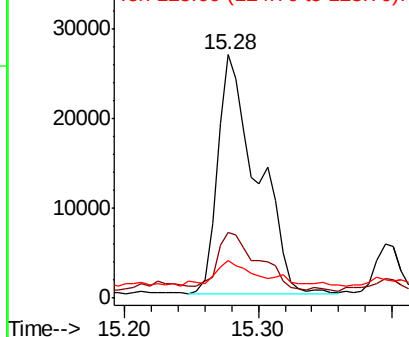


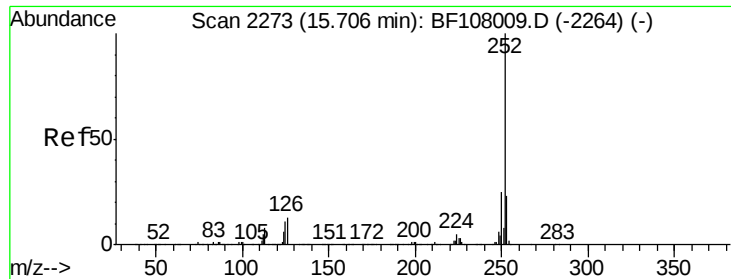
#88
Benzo(k)fluoranthene
Concen: 3.781 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.05 min
Lab File: BF108505.D
Acq: 27 Aug 2018 12:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.9	26.9#
125	15.2	10.2	15.2



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(a)pyrene

Concen: 2.053 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108505.D

Acq: 27 Aug 2018 12:55

Instrument :

BNA_F

ClientSampleId :

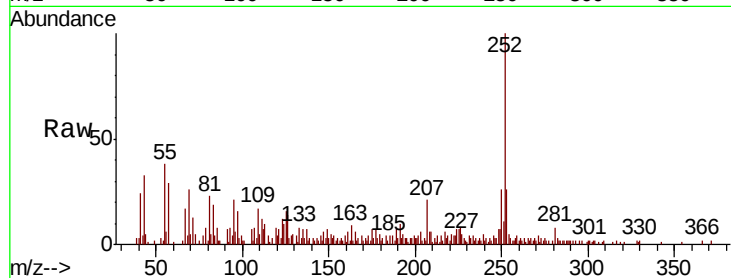
Tot Ion: 252 Resp: 29202

Ion Ratio Lower Upper

252 100

253 26.3 17.1 25.7#

125 16.1 9.8 14.6#



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

