

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081718\
 Data File : BF108256.D
 Acq On : 17 Aug 2018 21:14
 Operator : JU/SJ
 Sample : J4498-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-BACK

Quant Time: Aug 17 23:46:16 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 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	173510	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	654654	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	307331	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	489379	20.00	ng	0.00
75) Chrysene-d12	14.21	240	422489	20.00	ng	0.00
86) Perylene-d12	15.77	264	306663	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1011720	105.57	ng	0.02
7) Phenol-d6	6.64	99	1378821	108.27	ng	0.00
23) Nitrobenzene-d5	7.58	82	916482	78.12	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	297911	97.18	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1584634	82.78	ng	0.00
78) Terphenyl-d14	13.14	244	1252889	75.40	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	123797	14.375	ng	# 85
25) Isophorone	7.58	82	916472	40.985	ng	# 64
49) Dimethylphthalate	9.76	163	136377	6.370	ng	100
56) 2,4-Dinitrotoluene	10.06	165	39519	6.855	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	602	5.650	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	19376	3.643	ng	# 1
70) Phenanthrene	11.58	178	122859	5.323	ng	99
74) Fluoranthene	12.78	202	202020	8.019	ng	93
77) Pyrene	13.01	202	184386	6.893	ng	99
80) Benzo(a)anthracene	14.20	228	99784	4.115	ng	97
82) Chrysene	14.24	228	97712	4.396	ng	96
87) Benzo(b)fluoranthene	15.30	252	141035	7.697	ng	97
88) Benzo(k)fluoranthene	15.30	252	141035	8.373	ng	98
89) Benzo(a)pyrene	15.70	252	65014	3.962	ng	97
91) Benzo(g,h,i)perylene	17.88	276	31775	2.377	ng	95

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

```
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Operator  : JU/SJ
Sample    : J4498-01
Misc      :
ALS Vial  : 26      Sample Multiplier: 1
```

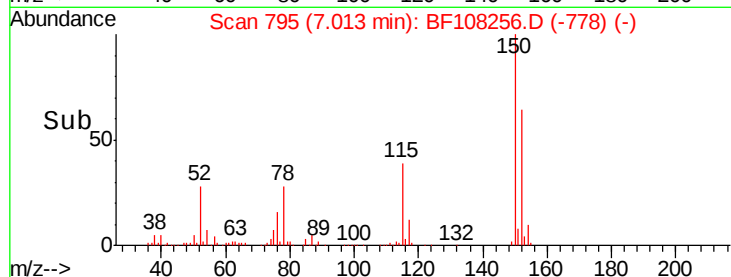
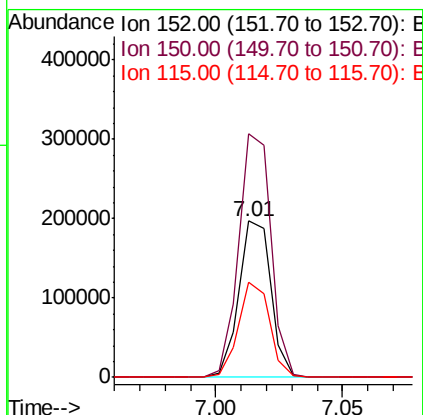
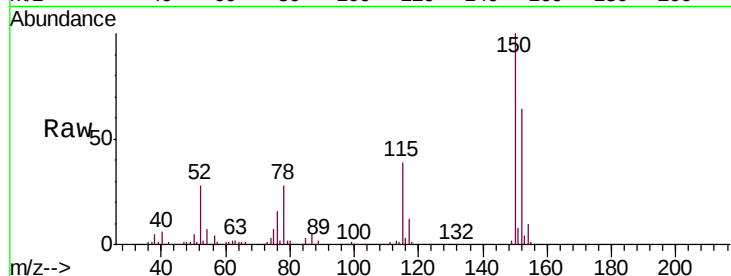


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

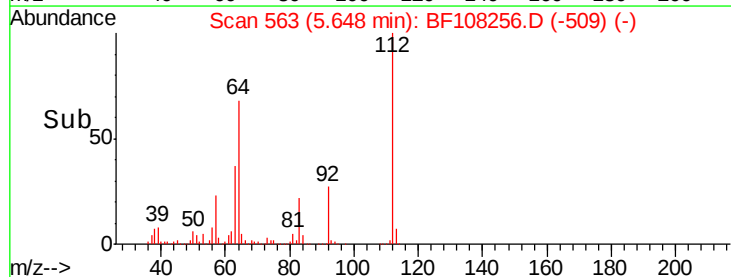
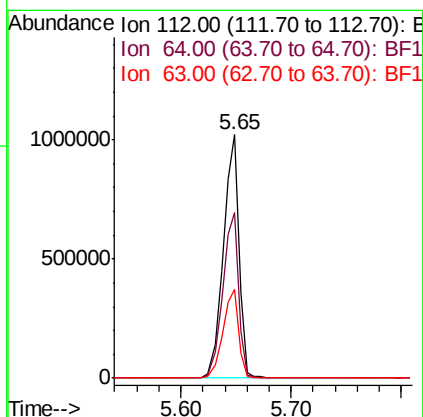
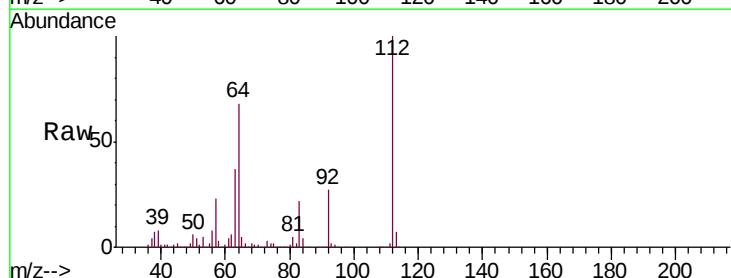
Tgt Ion:152 Resp: 173510
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 60.9 50.1 75.1

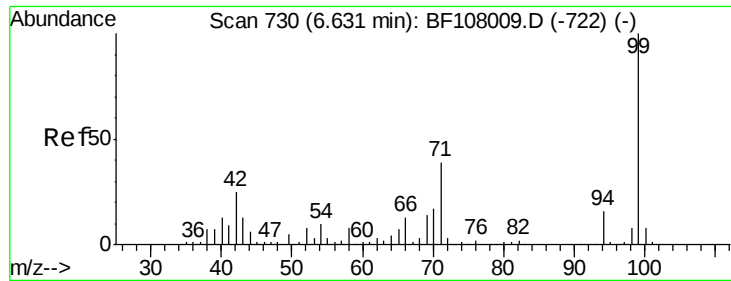


#5

2-Fluorophenol
Concen: 105.566 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:112 Resp: 1011720
Ion Ratio Lower Upper
112 100
64 68.2 47.9 71.9
63 36.6 23.7 35.5#





#7

Phenol-d6

Concen: 108.266 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108256.D

Acq: 17 Aug 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-BACK

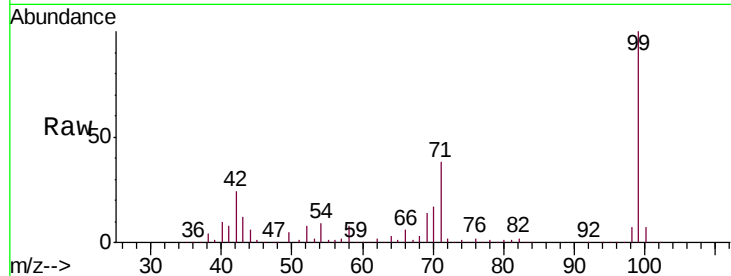
Tgt Ion: 99 Resp: 1378821

Ion Ratio Lower Upper

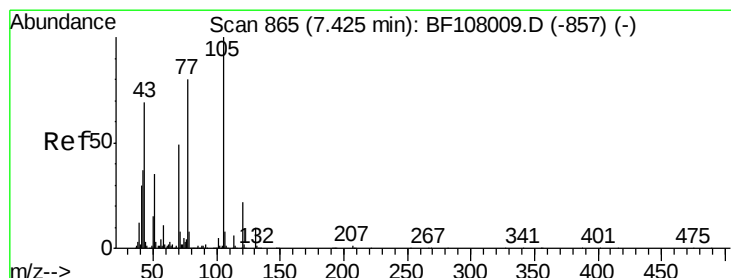
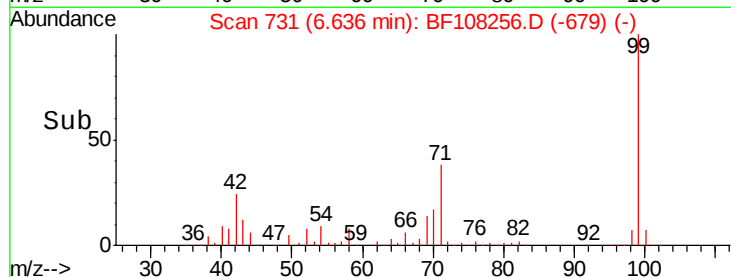
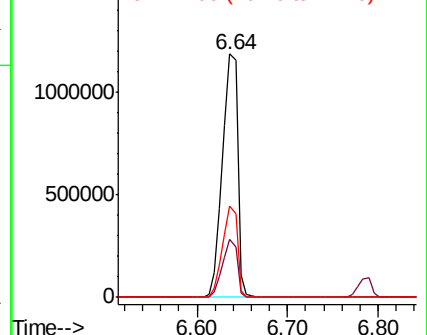
99 100

42 23.7 14.5 21.7#

71 37.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.375 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108256.D

Acq: 17 Aug 2018 21:14

Tgt Ion: 70 Resp: 123797

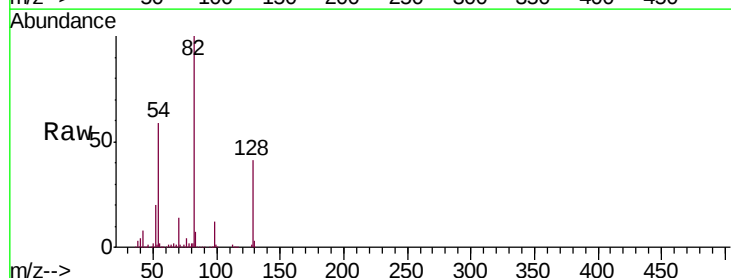
Ion Ratio Lower Upper

70 100

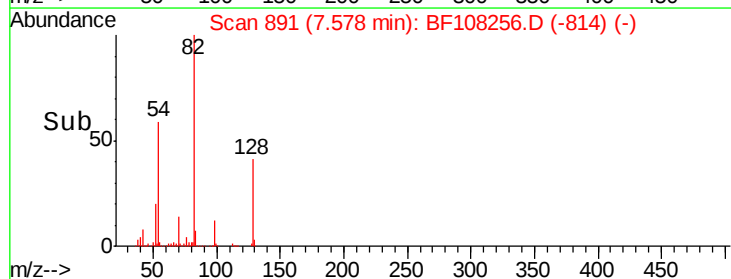
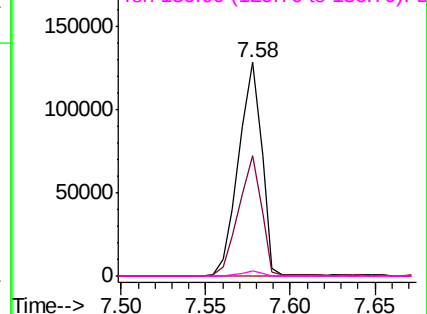
42 56.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 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

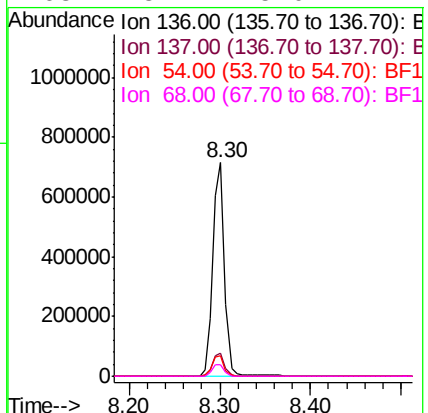
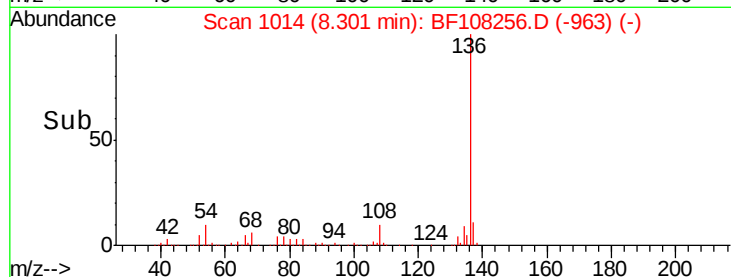
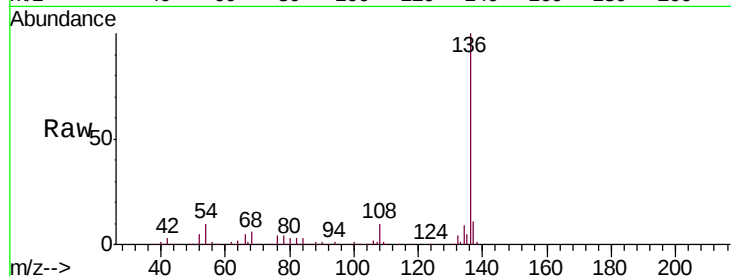




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

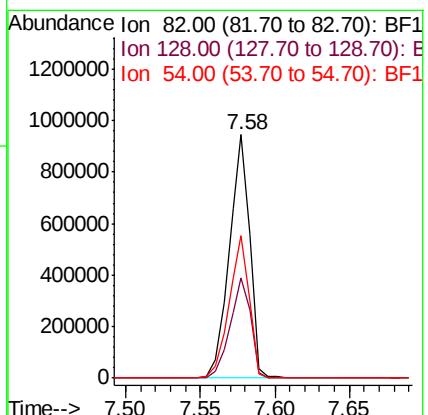
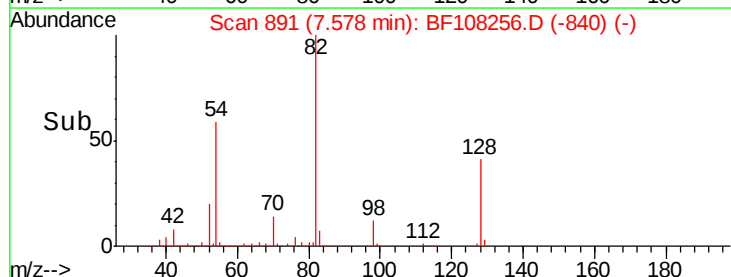
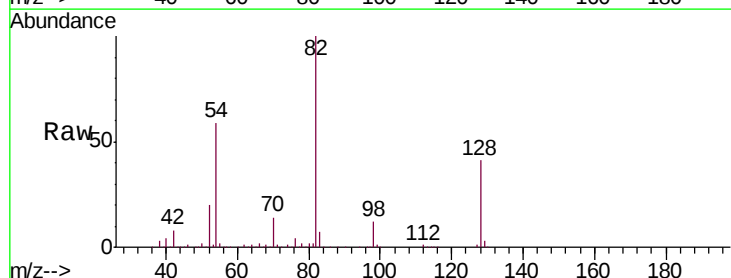
Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Tgt Ion:	136	Resp:	654654
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.5	6.6	9.8
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 78.119 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:	82	Resp:	916482
Ion	Ratio	Lower	Upper
82	100		
128	41.0	36.1	54.1
54	58.6	41.4	62.2





#25

Isophorone

Concen: 40.985 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108256.D

Acq: 17 Aug 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-BACK

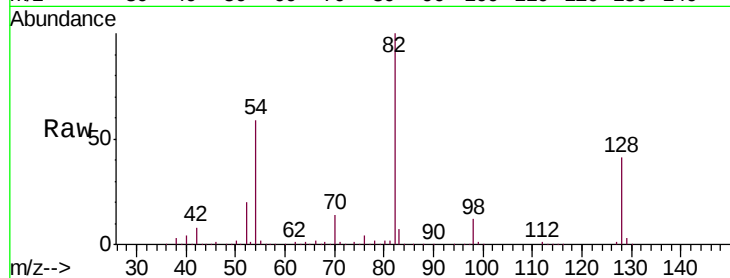
Tgt Ion: 82 Resp: 916472

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

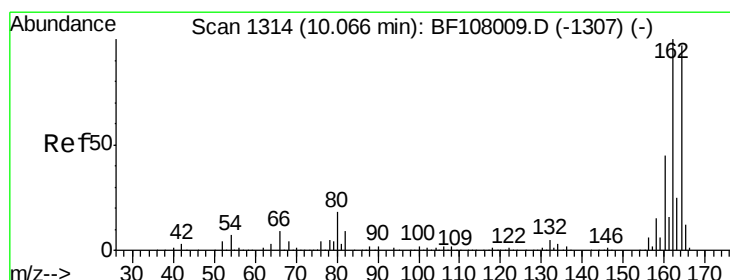
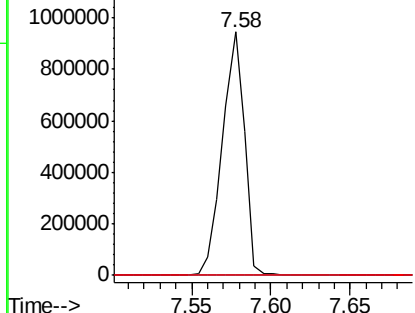
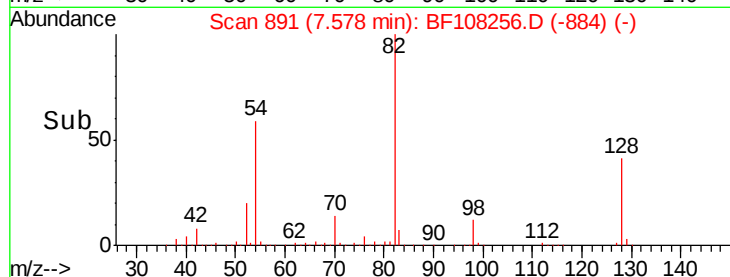
138 0.0 14.9 22.3#



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): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108256.D

Acq: 17 Aug 2018 21:14

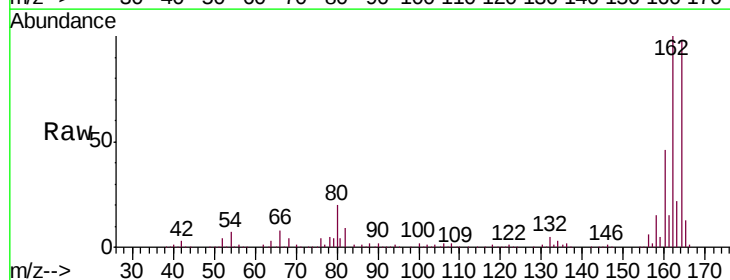
Tgt Ion: 164 Resp: 307331

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

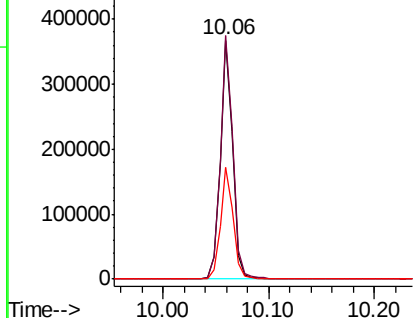
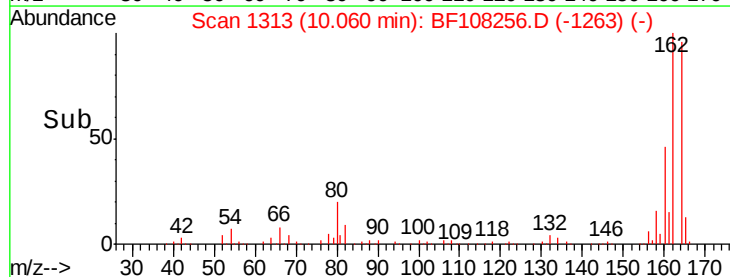
160 46.7 38.3 57.5



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

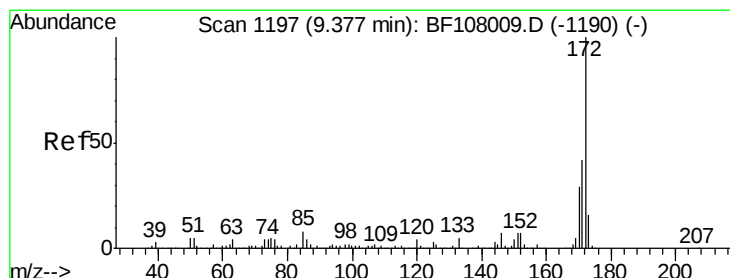
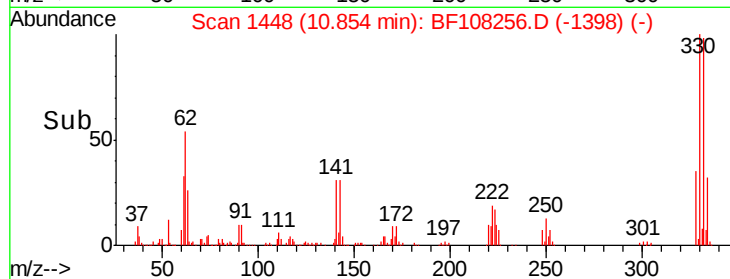
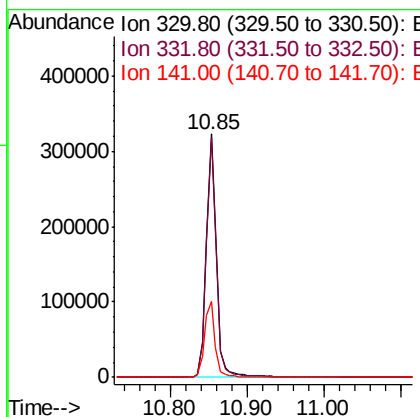
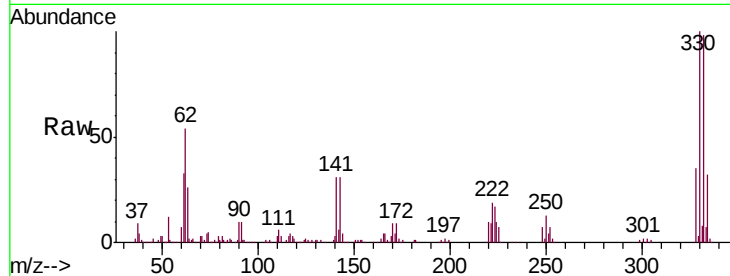




#41
 2,4,6-Tribromophenol
 Concen: 97.180 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108256.D
 Acq: 17 Aug 2018 21:14

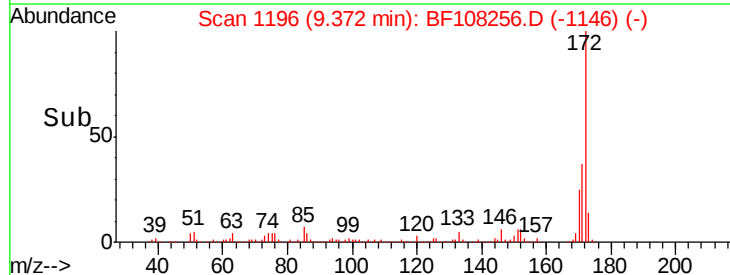
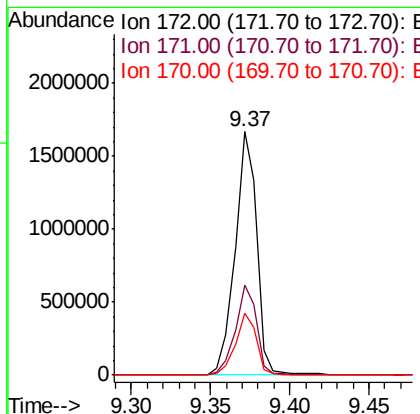
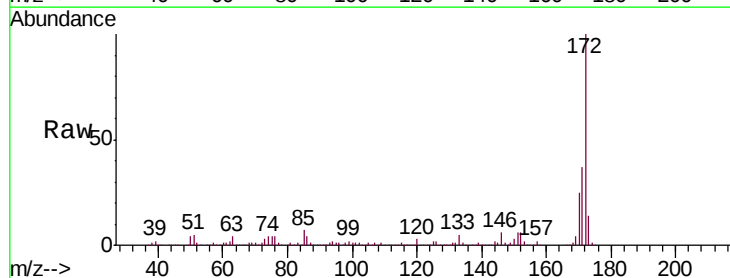
Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-BACK

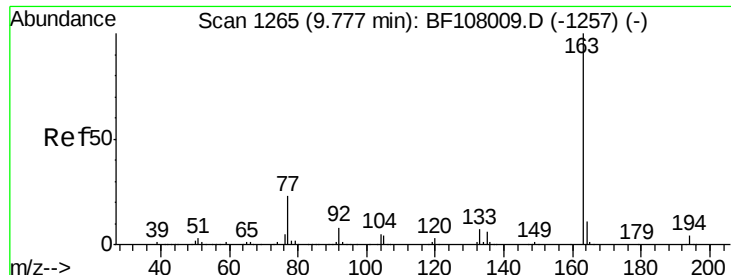
Tgt Ion:330 Resp: 297911
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 32.3 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 82.780 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108256.D
 Acq: 17 Aug 2018 21:14

Tgt Ion:172 Resp: 1584634
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 25.2 19.6 29.4

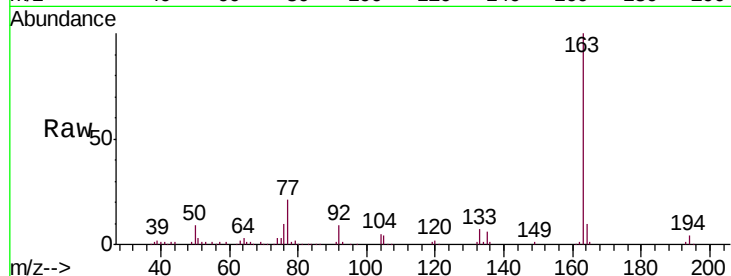




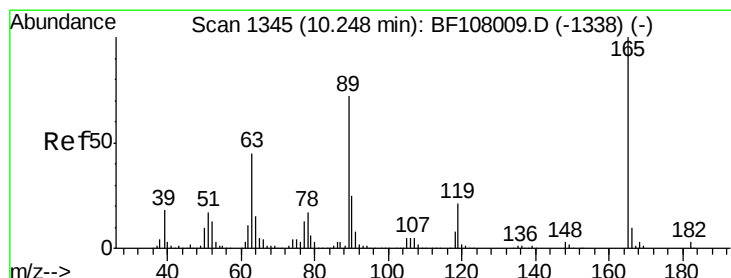
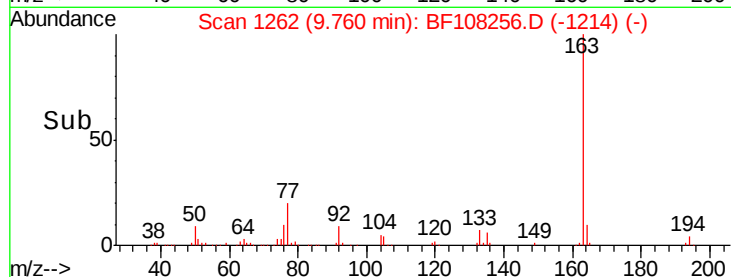
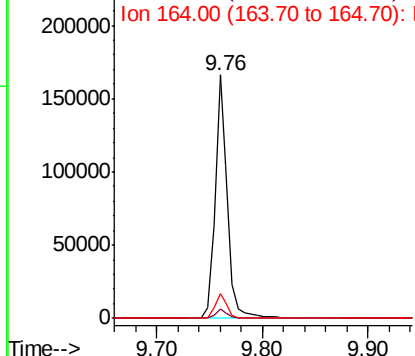
#49
Dimethylphthalate
Concen: 6.370 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Tgt Ion:163 Resp: 136377
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.2 8.2 12.2

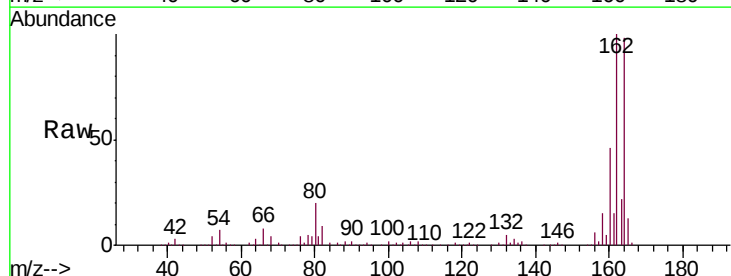


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

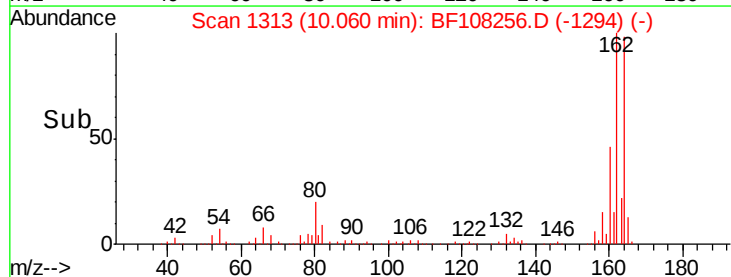
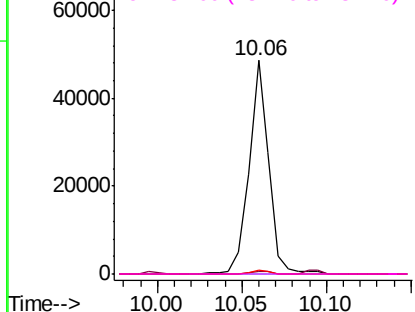


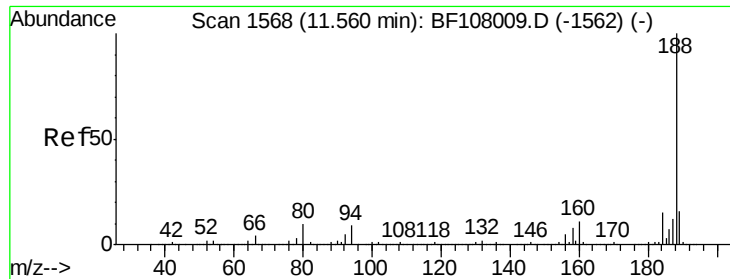
#56
2,4-Dinitrotoluene
Concen: 6.855 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:165 Resp: 39519
Ion Ratio Lower Upper
165 100
63 1.4 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

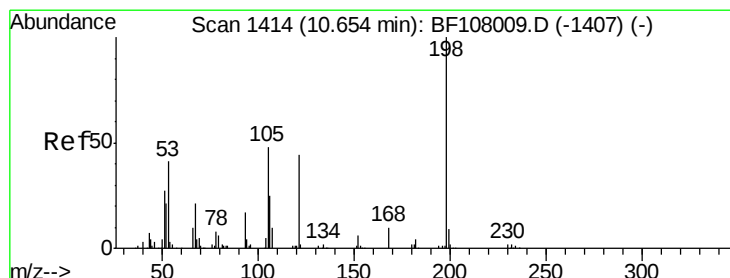
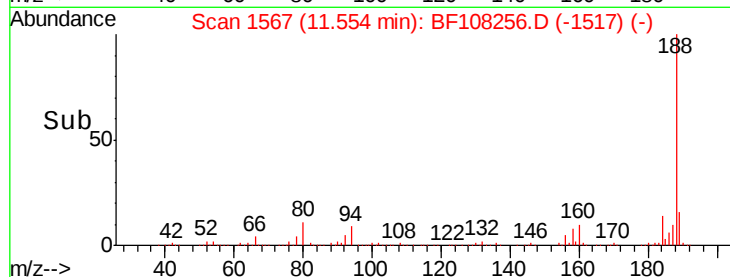
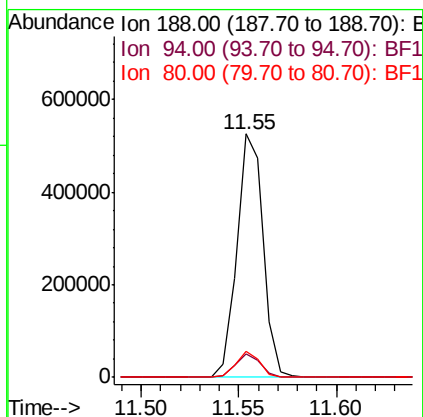
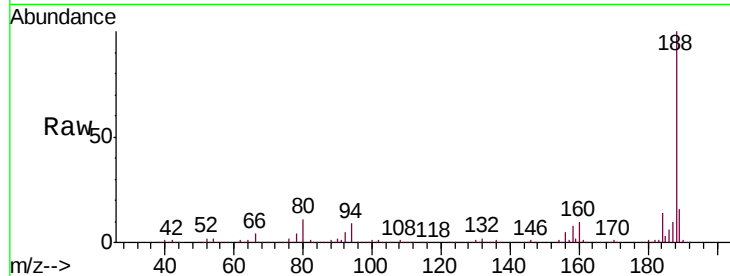




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

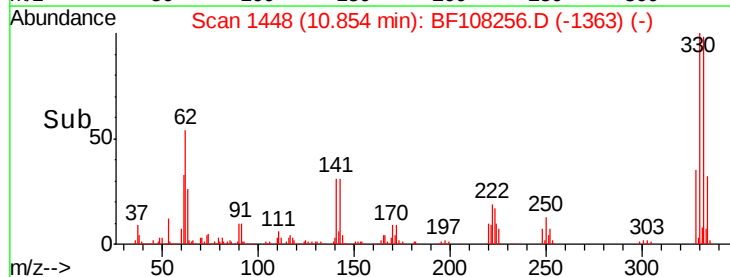
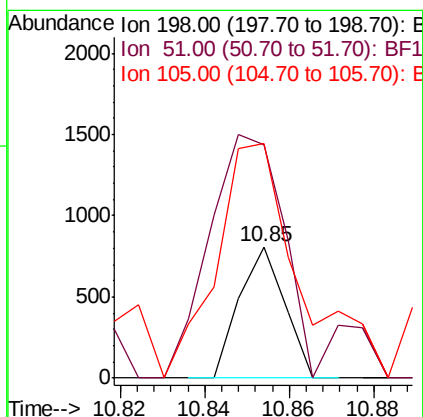
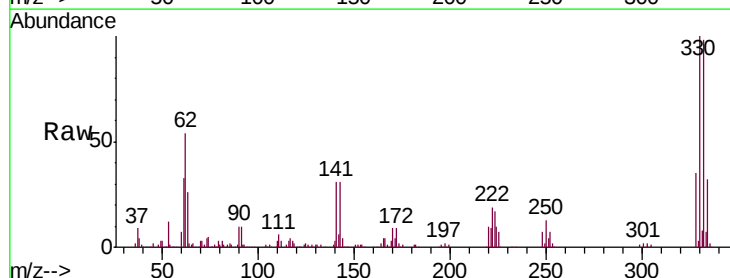
Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

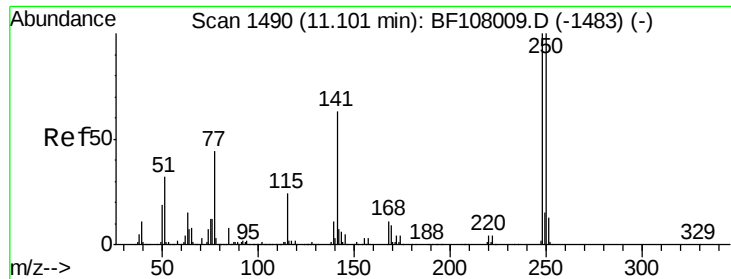
Tgt Ion:188 Resp: 489379
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.650 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.20 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:198 Resp: 602
Ion Ratio Lower Upper
198 100
51 177.9 37.7 77.7#
105 178.6 36.3 76.3#

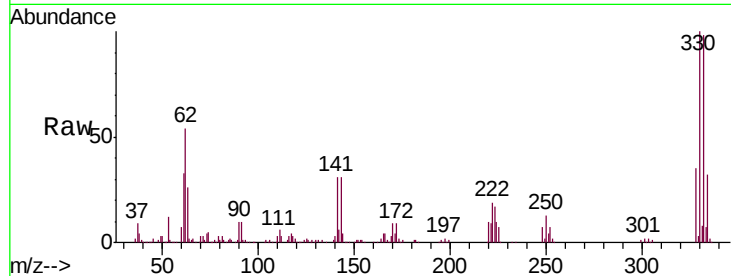




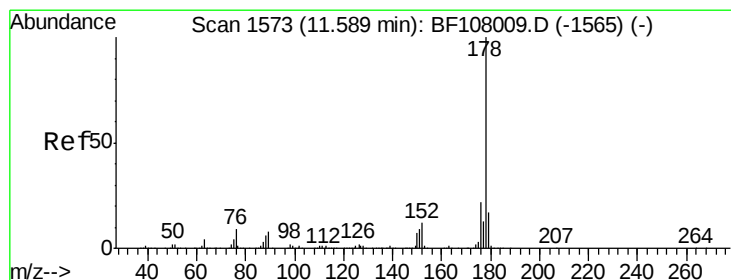
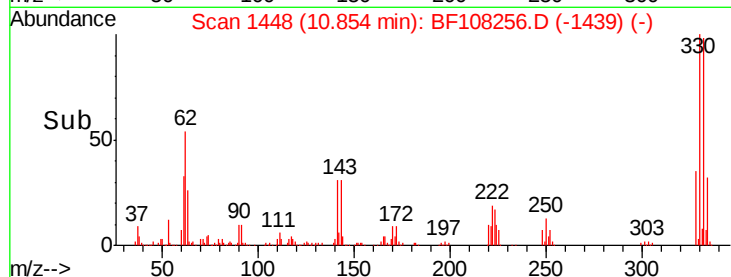
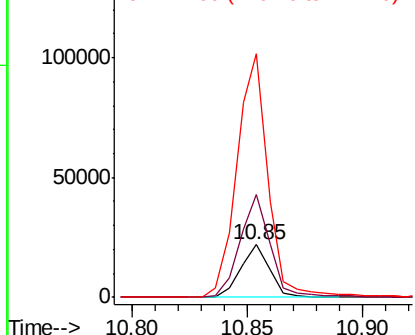
#66
 4-Bromophenyl-phenylether
 Concen: 3.643 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108256.D
 Acq: 17 Aug 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-BACK

Tgt Ion:248 Resp: 19376
 Ion Ratio Lower Upper
 248 100
 250 195.0 76.9 115.3#
 141 462.6 74.4 111.6#

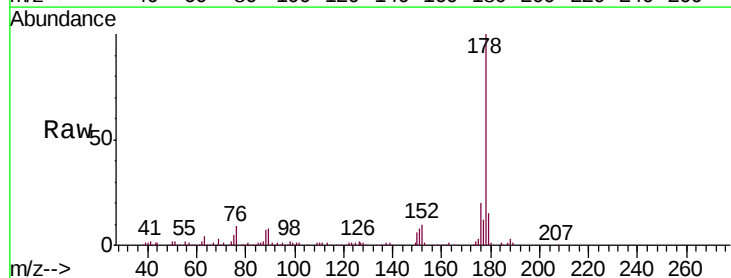


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

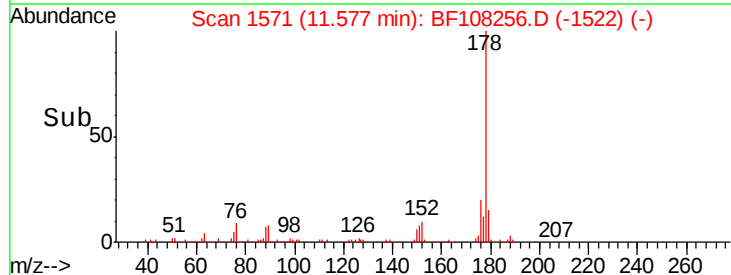
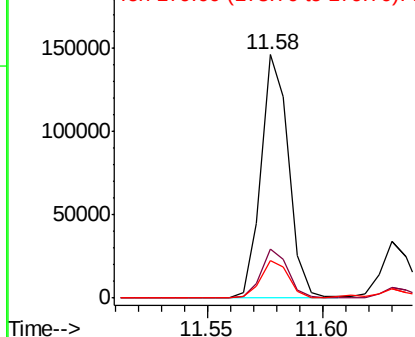


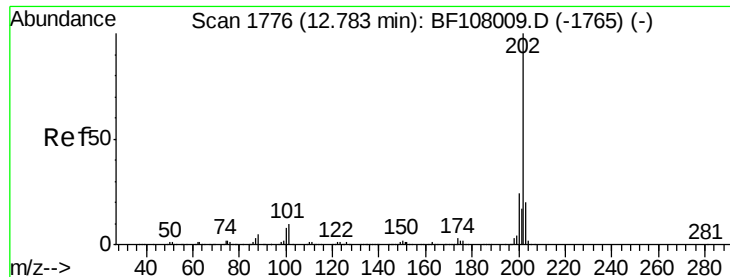
#70
 Phenanthrene
 Concen: 5.323 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108256.D
 Acq: 17 Aug 2018 21:14

Tgt Ion:178 Resp: 122859
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.8
 179 15.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.019 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108256.D

Acq: 17 Aug 2018 21:14

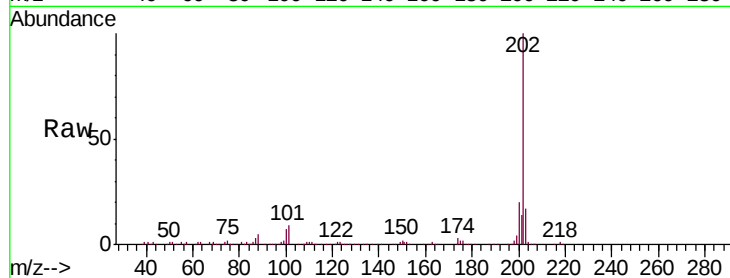
Instrument :

BNA_F

ClientSampleId :

CARLSTADT-BACK

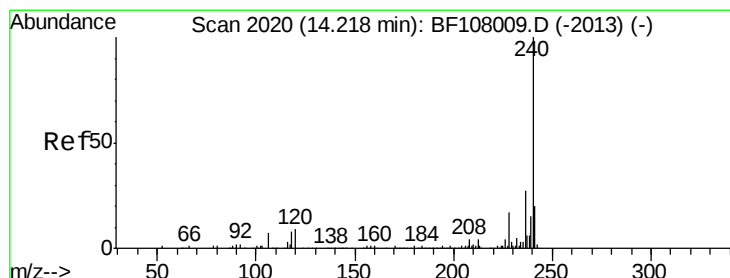
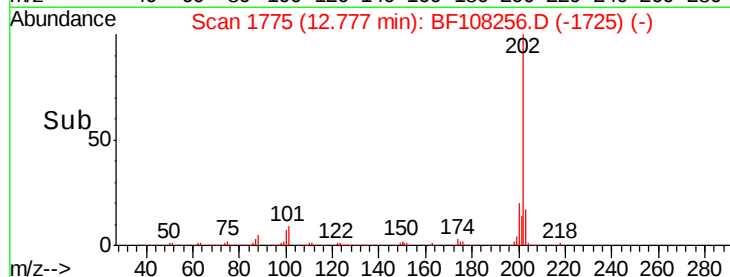
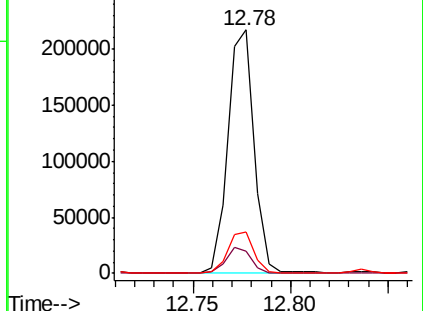
Tgt Ion:	202	Resp:	202020
Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	34.1
203	16.9	0.0	38.1



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

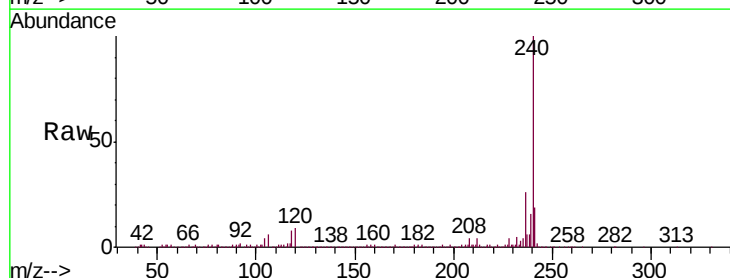
RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108256.D

Acq: 17 Aug 2018 21:14

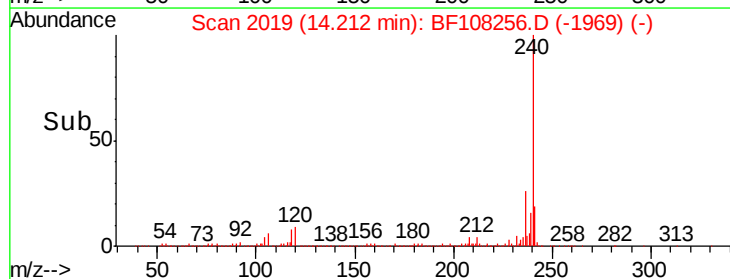
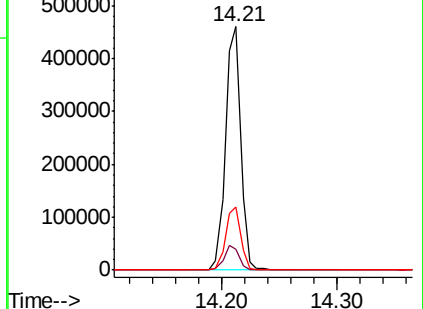
Tgt Ion:	240	Resp:	422489
Ion	Ratio	Lower	Upper
240	100		
120	8.5	9.5	14.3#
236	25.9	20.7	31.1

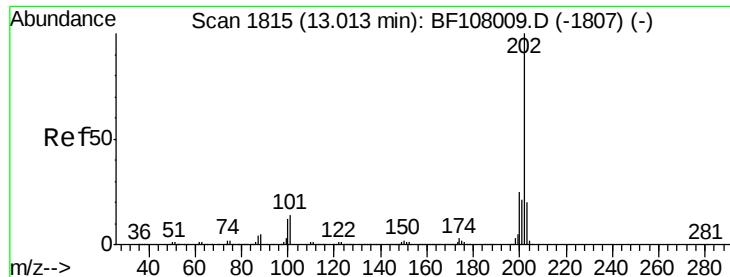


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

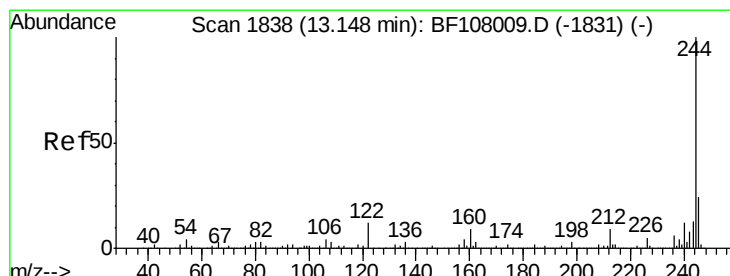
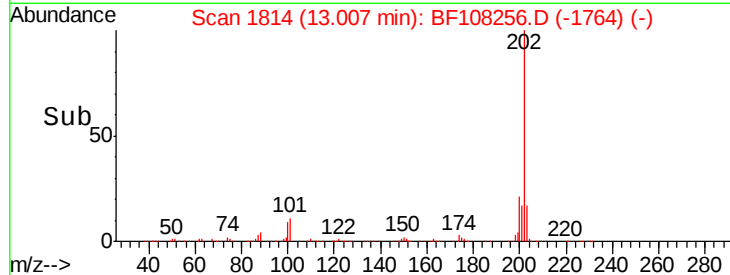
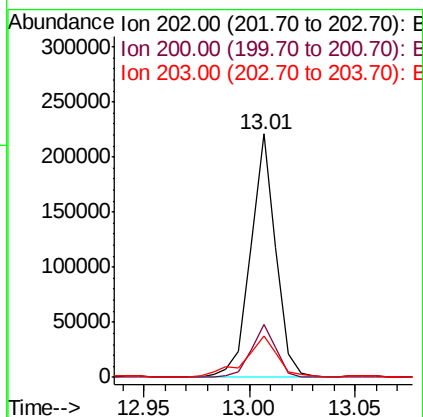
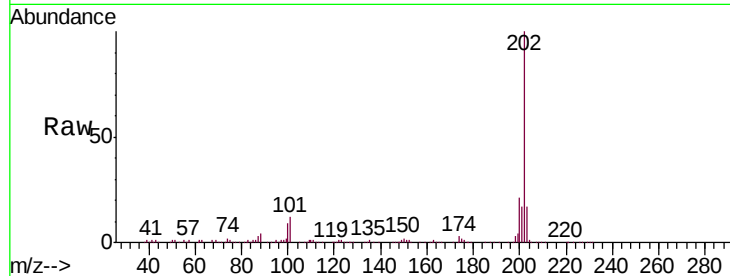




#77
 Pyrene
 Concen: 6.893 ng
 RT: 13.01 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF108256.D
 Acq: 17 Aug 2018 21:14

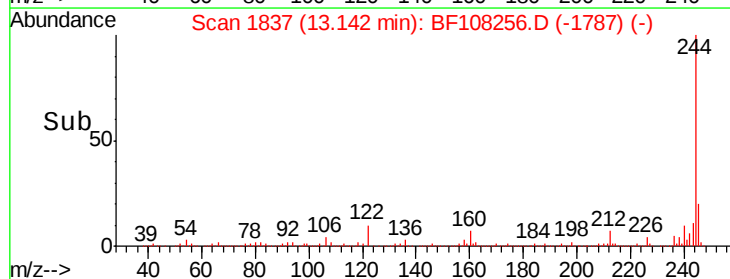
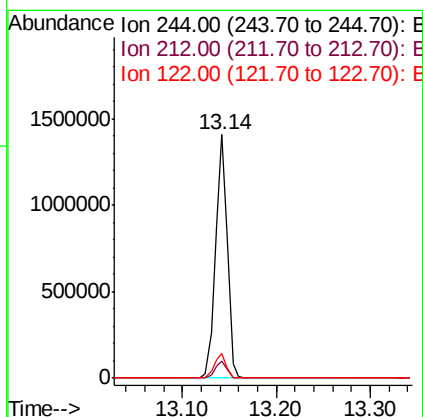
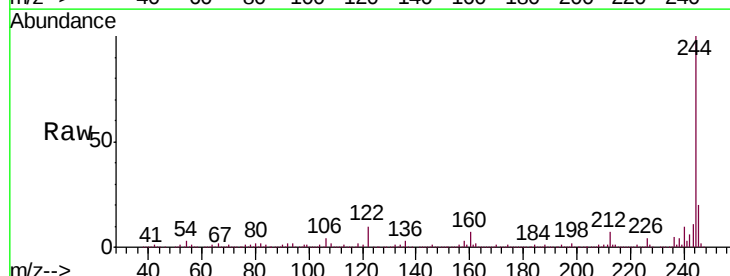
Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-BACK

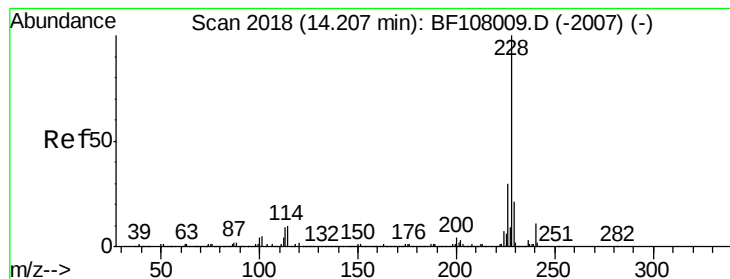
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.2	14.3	21.5



#78
 Terphenyl-d14
 Concen: 75.400 ng
 RT: 13.14 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF108256.D
 Acq: 17 Aug 2018 21:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.1	11.0	16.4





#80

Benzo(a)anthracene

Concen: 4.115 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108256.D

Acq: 17 Aug 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-BACK

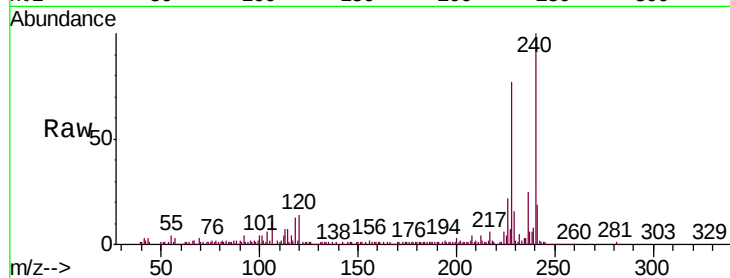
Tgt Ion:228 Resp: 99784

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

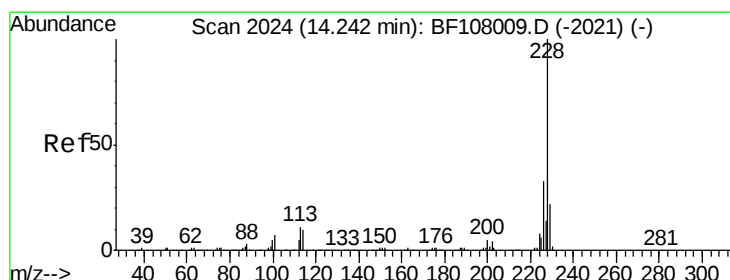
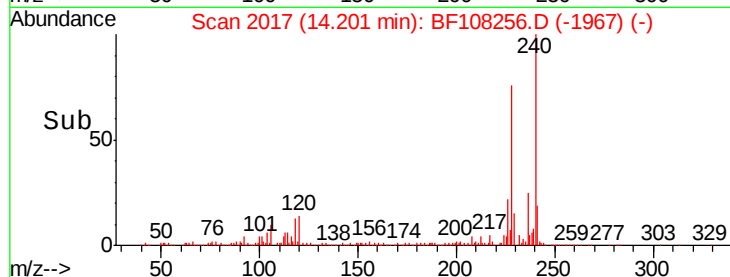
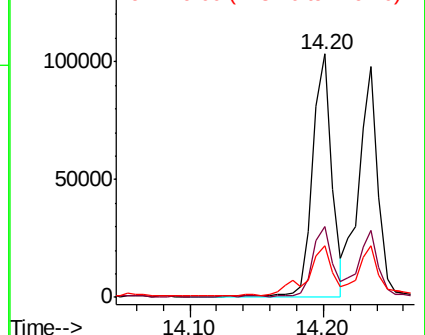
229 21.4 15.8 23.6



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



#82

Chrysene

Concen: 4.396 ng

RT: 14.24 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF108256.D

Acq: 17 Aug 2018 21:14

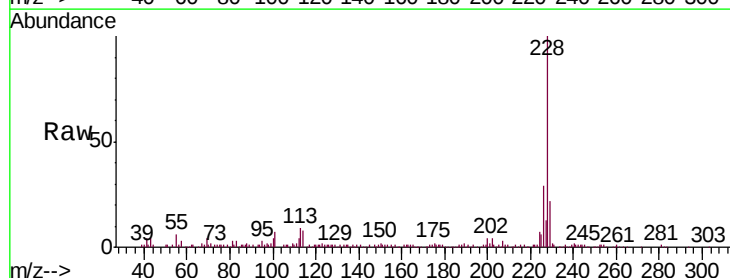
Tgt Ion:228 Resp: 97712

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

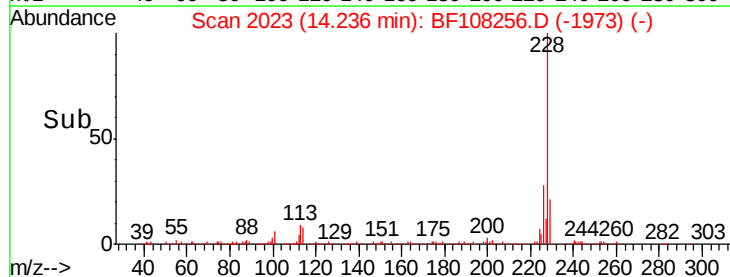
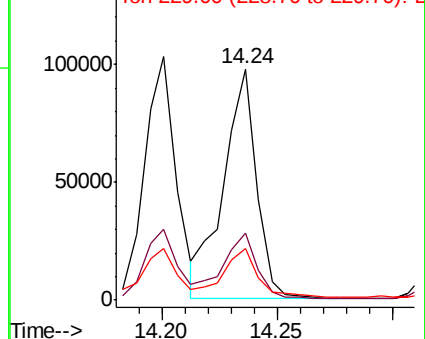
229 22.3 16.2 24.4

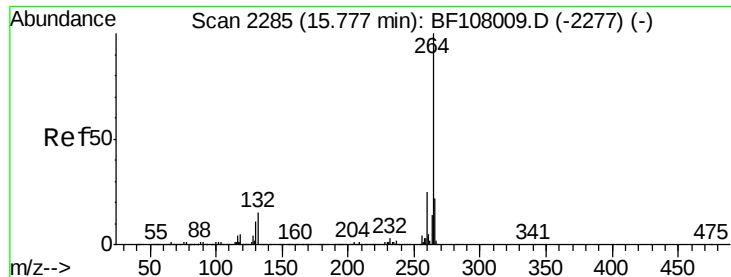


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



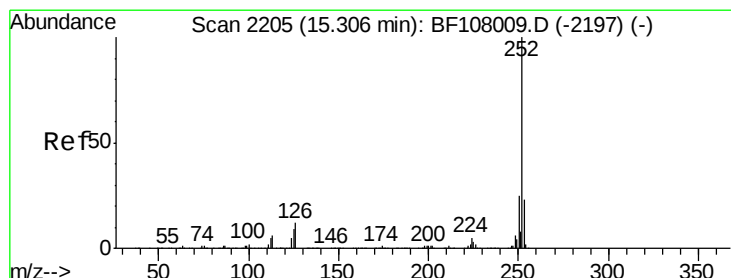
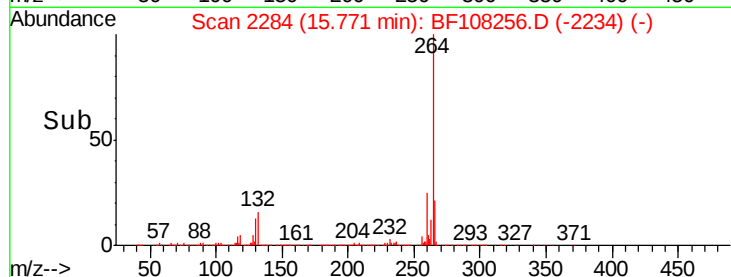
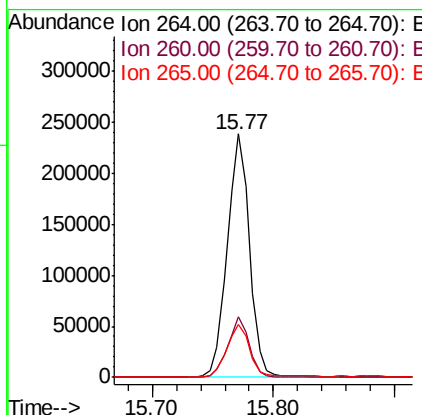
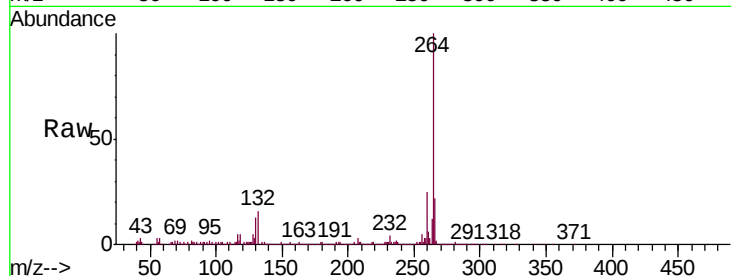


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Tgt Ion:264 Resp: 306663

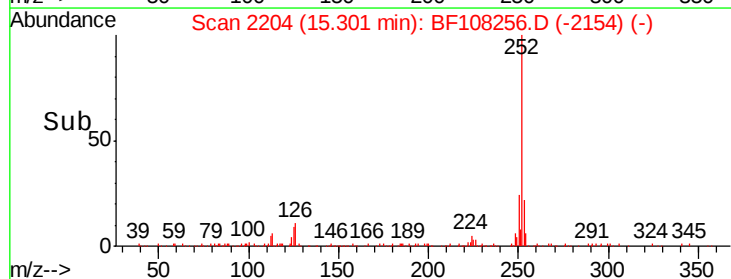
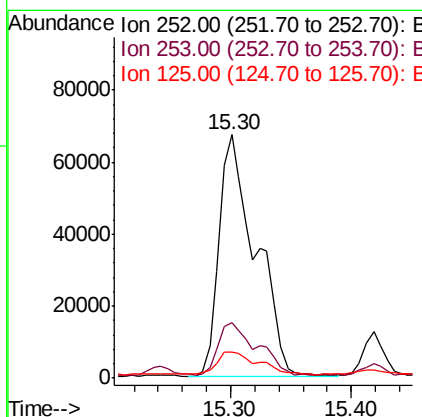
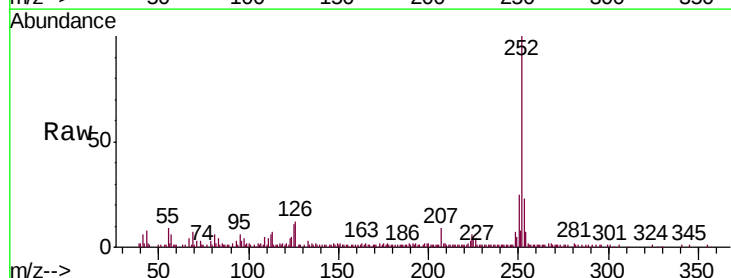
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.5	17.5	26.3

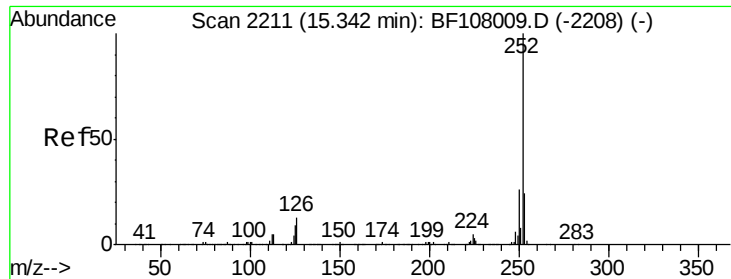


#87
Benzo(b)fluoranthene
Concen: 7.697 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion:252 Resp: 141035

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.7	9.0	13.6

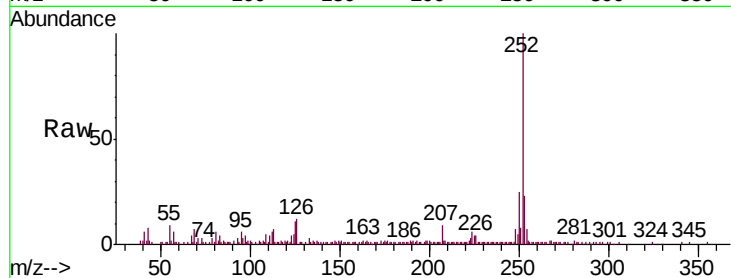




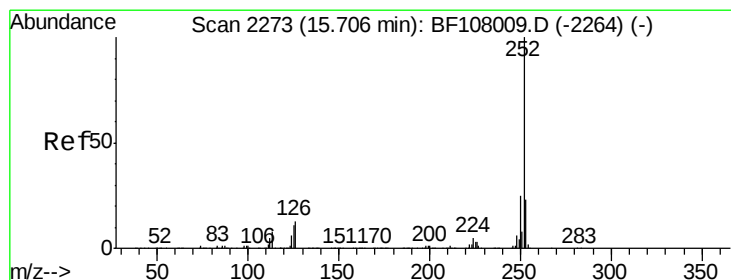
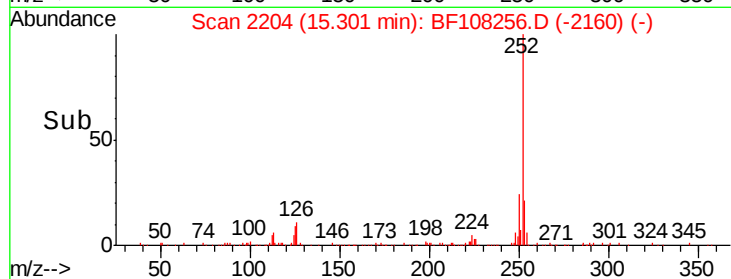
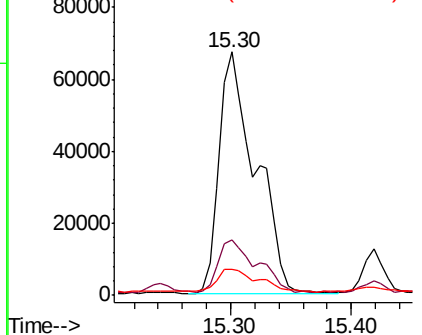
#88
Benzo(k)fluoranthene
Concen: 8.373 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-BACK

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.7	10.2	15.2

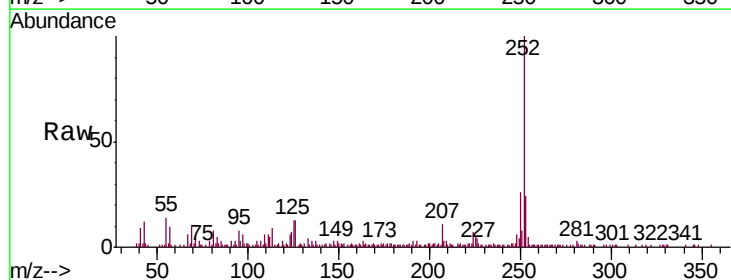


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

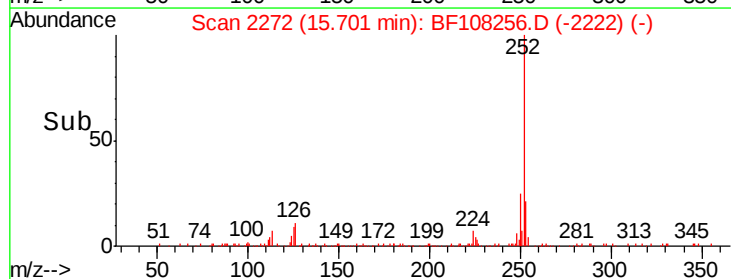
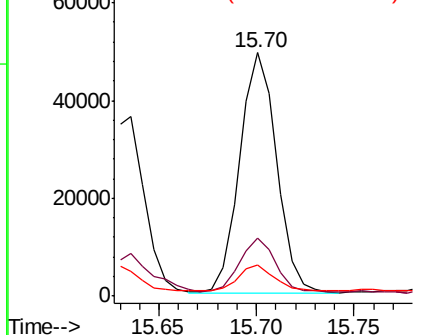


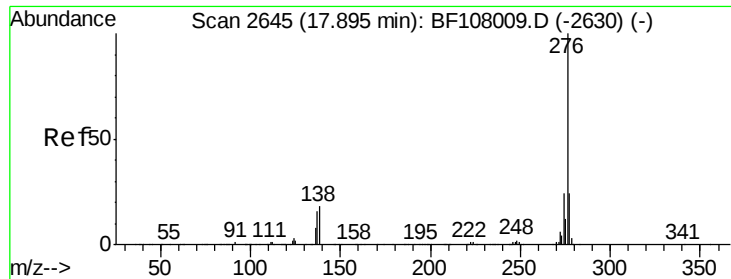
#89
Benzo(a)pyrene
Concen: 3.962 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108256.D
Acq: 17 Aug 2018 21:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	12.6	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

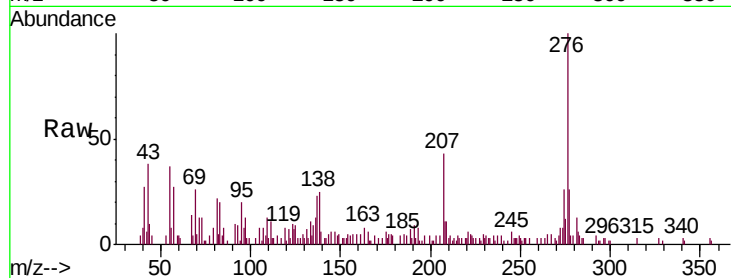




#91
 Benzo(g,h,i)perylene
 Concen: 2.377 ng
 RT: 17.88 min Scan# 2642
 Delta R.T. -0.02 min
 Lab File: BF108256.D
 Acq: 17 Aug 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-BACK

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	25.4	21.8	32.8



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

