

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111565.D
 Acq On : 18 Dec 2018 3:21
 Operator : JU/SJ
 Sample : J6403-57
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-A

Quant Time: Dec 18 04:15:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	114619	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	452103	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	200129	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	298558	20.00	ng	0.00
76) Chrysene-d12	13.94	240	229076	20.00	ng	0.00
87) Perylene-d12	15.38	264	181736	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	569493	82.68	ng	0.00
7) Phenol-d6	6.43	99	728320	79.49	ng	0.00
23) Nitrobenzene-d5	7.35	82	442848	58.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.61	330	123522	68.90	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	762598	58.86	ng	-0.01
79) Terphenyl-d14	12.89	244	530425	54.37	ng	0.00

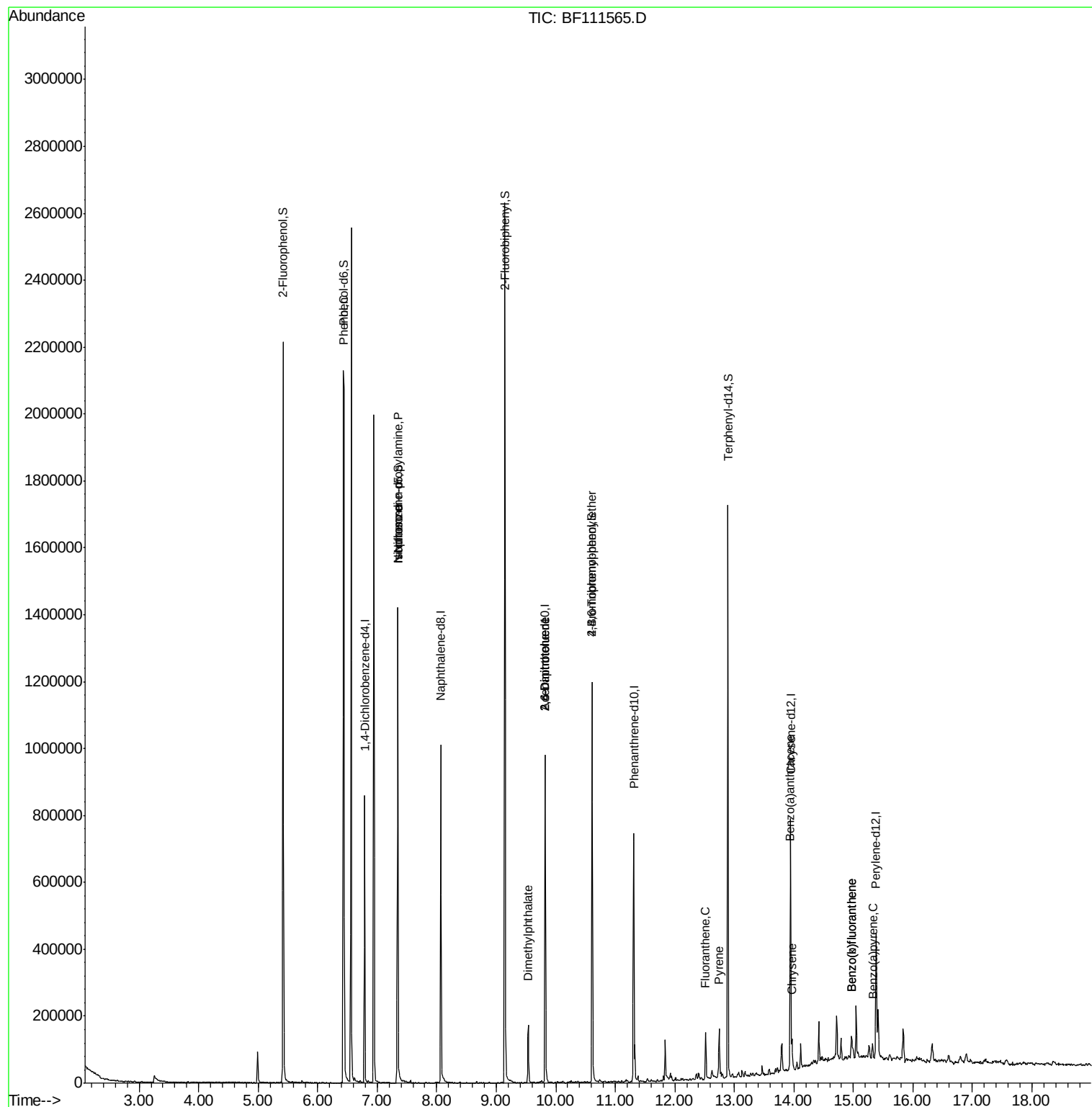
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	38828	3.804	ng	93
19) n-Nitroso-di-n-propylamine	7.35	70	56445	9.338	ng	# 83
25) Isophorone	7.35	82	442842	34.473	ng	# 64
50) Dimethylphthalate	9.54	163	72613	5.038	ng	97
51) 2,6-Dinitrotoluene	9.82	165	24744	7.627	ng	# 30
57) 2,4-Dinitrotoluene	9.82	165	24744	5.811	ng	# 25
67) 4-Bromophenyl-phenylether	10.61	248	8488	2.638	ng	# 1
75) Fluoranthene	12.52	202	59614	3.961	ng	95
78) Pyrene	12.74	202	58432	3.618	ng	96
81) Benzo(a)anthracene	13.93	228	32138	2.580	ng	99
83) Chrysene	13.97	228	30812	2.348	ng	94
88) Benzo(b)fluoranthene	14.97	252	42914	4.050	ng	99
89) Benzo(k)fluoranthene	14.97	252	42914	4.239	ng	98
90) Benzo(a)pyrene	15.32	252	22706	2.376	ng	# 92

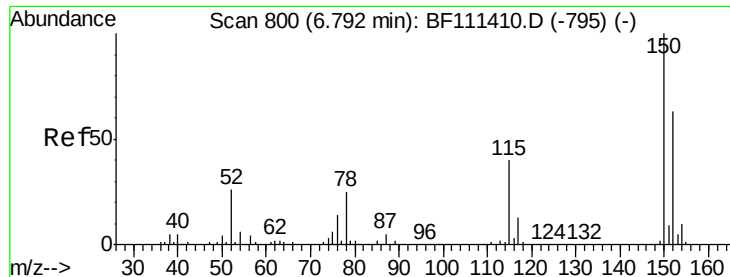
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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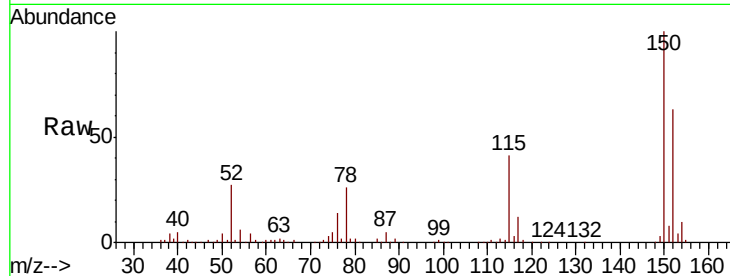


#1

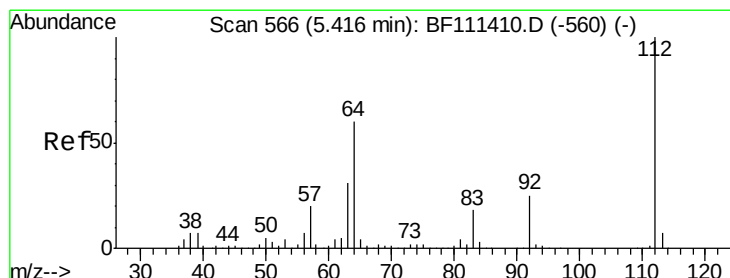
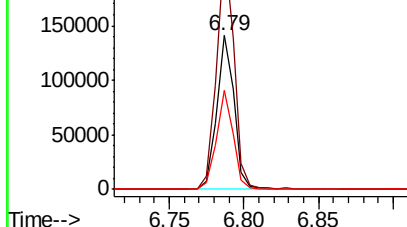
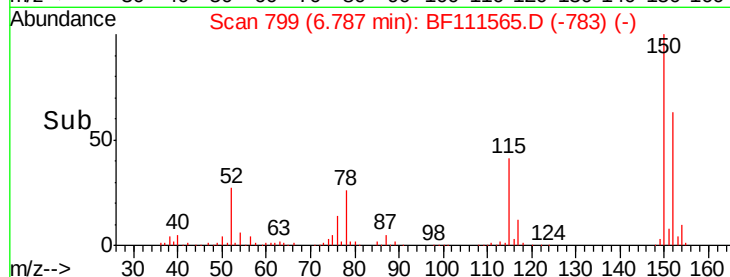
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
TP-8-A

Tgt Ion:152 Resp: 114619
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 64.4 50.7 76.1



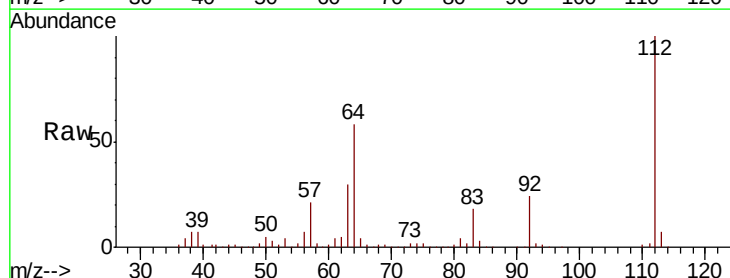
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



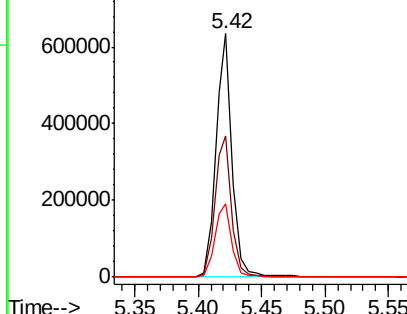
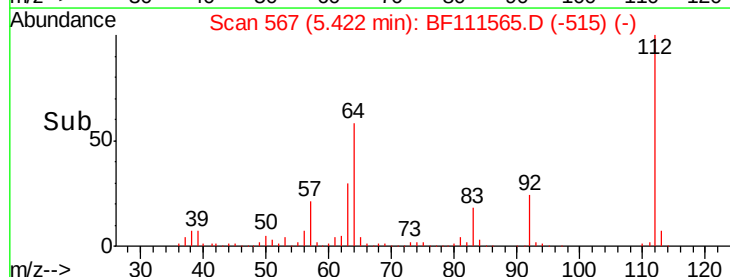
#5

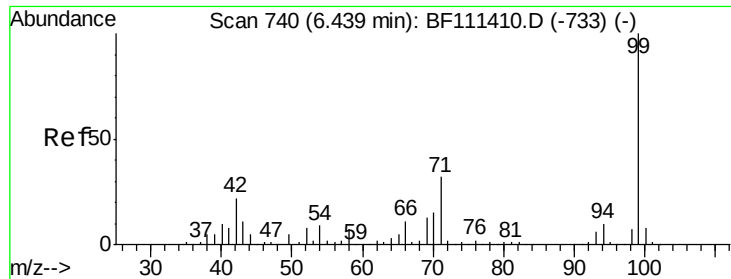
2-Fluorophenol
Concen: 82.680 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

Tgt Ion:112 Resp: 569493
Ion Ratio Lower Upper
112 100
64 57.8 51.8 77.6
63 30.4 26.8 40.2



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: 79.492 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111565.D

Acq: 18 Dec 2018 3:21

Instrument :

BNA_F

ClientSampleId :

TP-8-A

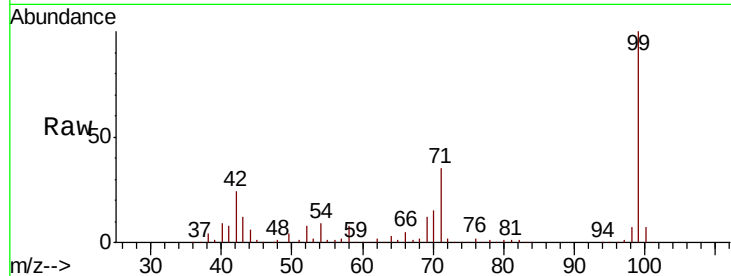
Tgt Ion: 99 Resp: 728320

Ion Ratio Lower Upper

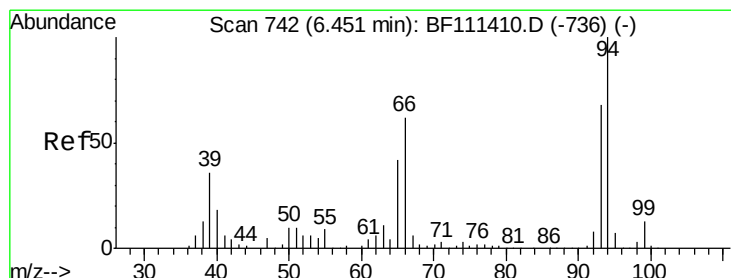
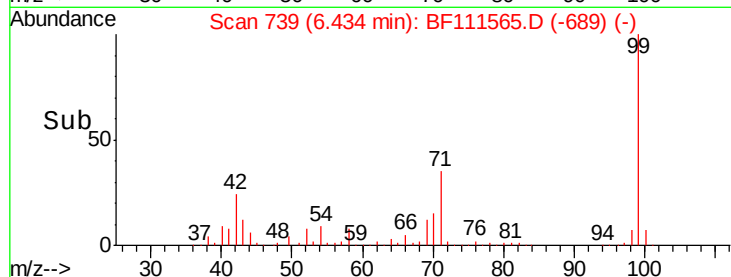
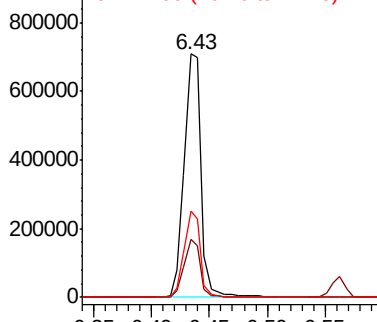
99 100

42 23.8 17.4 26.0

71 35.3 26.1 39.1



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: 3.804 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111565.D

Acq: 18 Dec 2018 3:21

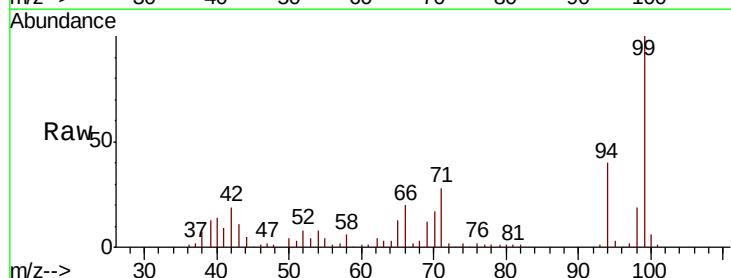
Tgt Ion: 94 Resp: 38828

Ion Ratio Lower Upper

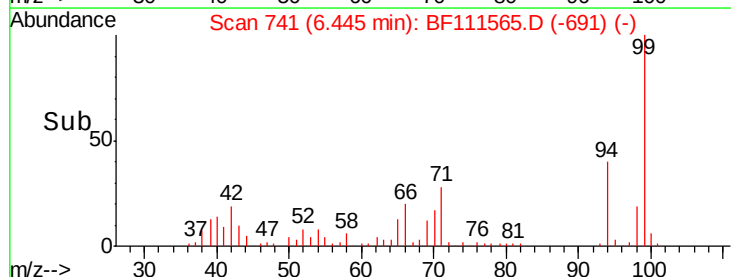
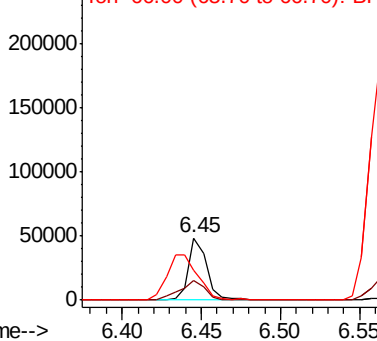
94 100

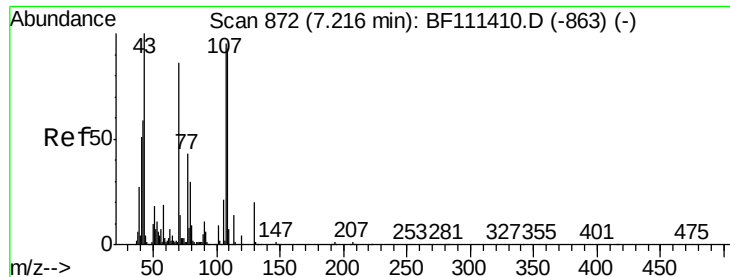
65 31.1 11.7 51.7

66 48.7 21.0 61.0



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

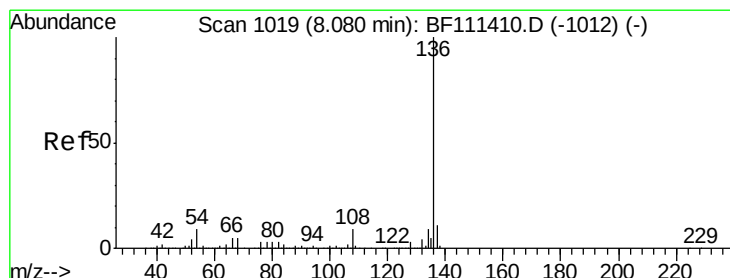
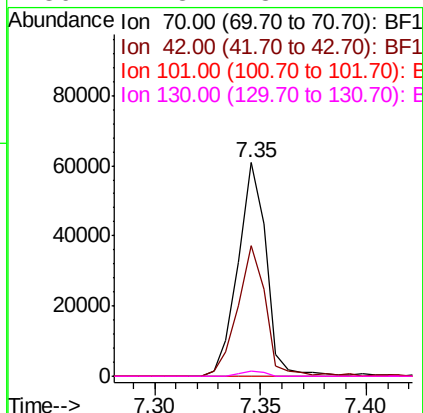
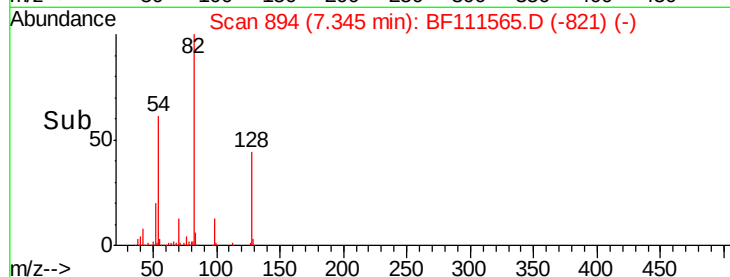
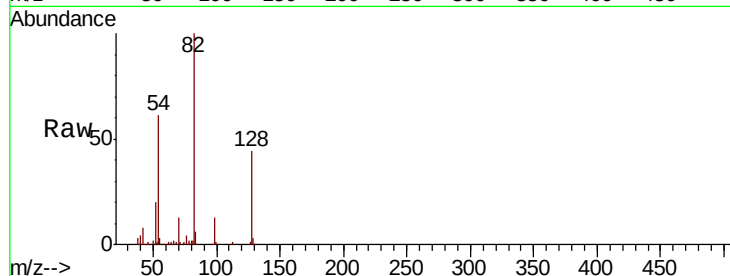




#19
 n-Nitroso-di-n-propylamine
 Concen: 9.338 ng
 RT: 7.35 min Scan# 894
 Delta R.T. 0.13 min
 Lab File: BF111565.D
 Acq: 18 Dec 2018 3:21

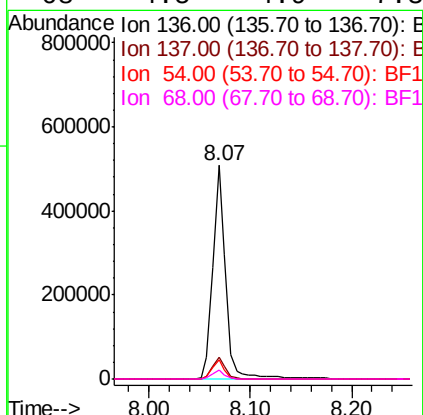
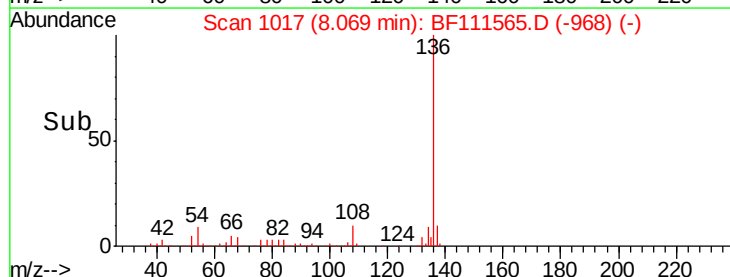
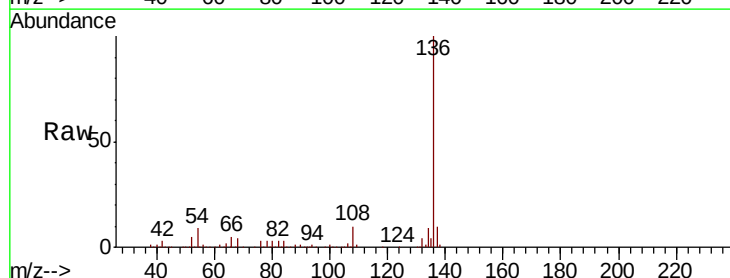
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 TP-8-A

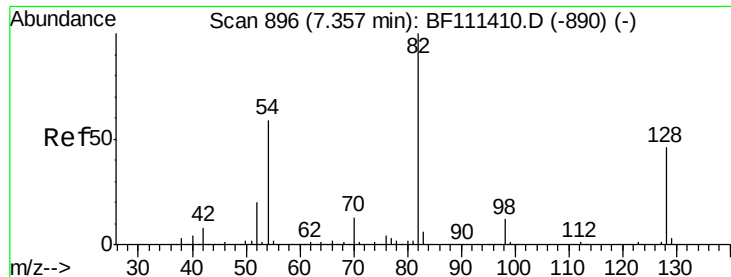
Tgt Ion:	70	Resp:	56445
Ion	Ratio	Lower	Upper
70	100		
42	60.9	53.2	79.8
101	0.0	8.2	12.4#
130	2.3	18.1	27.1#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BF111565.D
 Acq: 18 Dec 2018 3:21

Tgt Ion:	136	Resp:	452103
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	8.7	7.7	11.5
68	4.5	4.9	7.3#

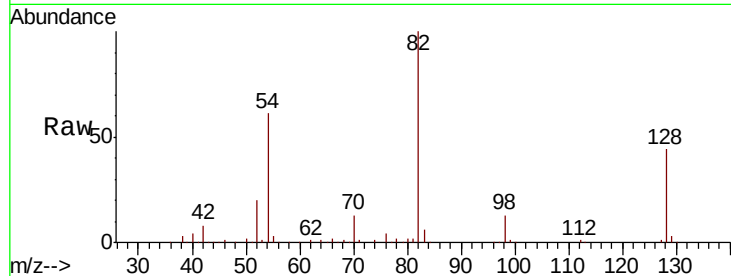




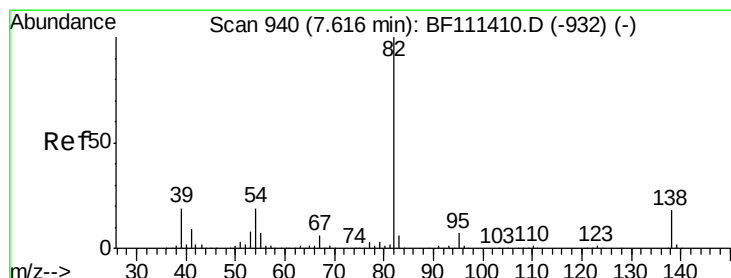
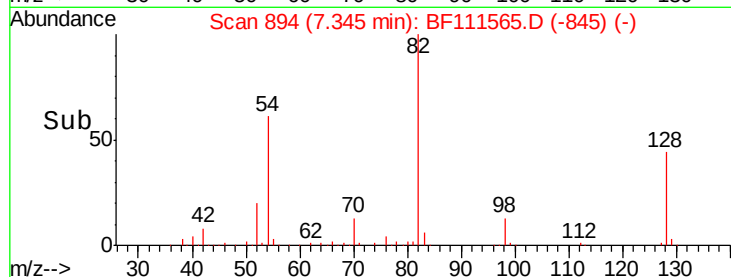
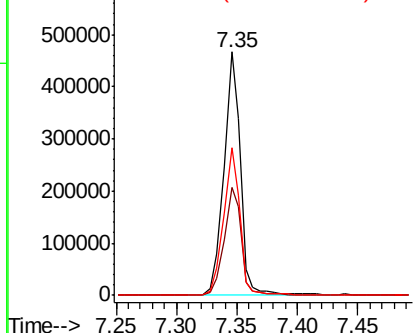
#23
Nitrobenzene-d5
Concen: 58.330 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
TP-8-A

Tgt Ion: 82 Resp: 442848
Ion Ratio Lower Upper
82 100
128 44.3 37.4 56.2
54 60.7 47.6 71.4

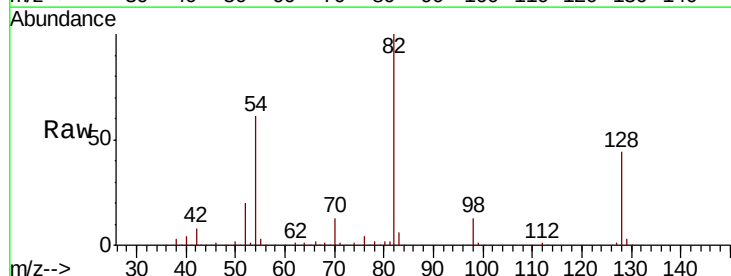


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

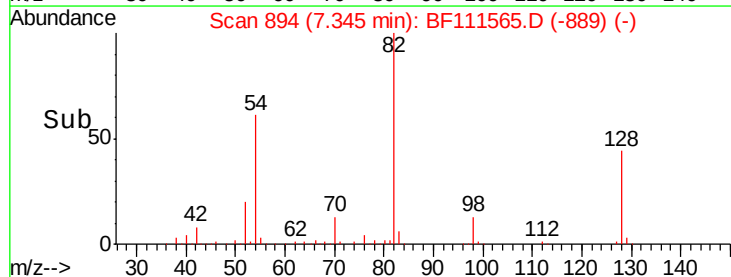
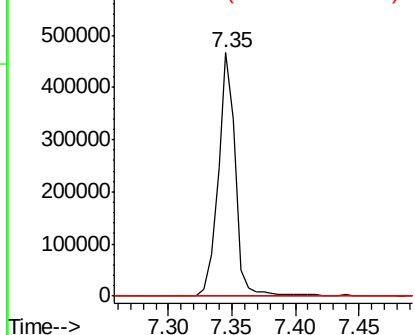


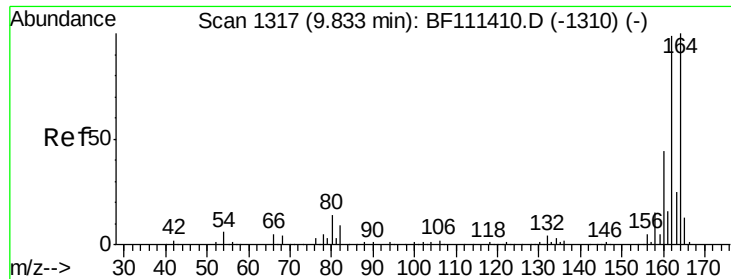
#25
Isophorone
Concen: 34.473 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.27 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

Tgt Ion: 82 Resp: 442842
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



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

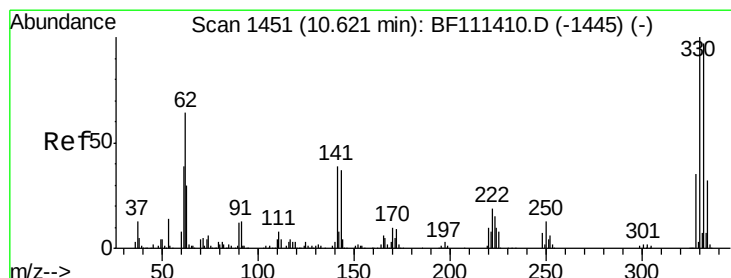
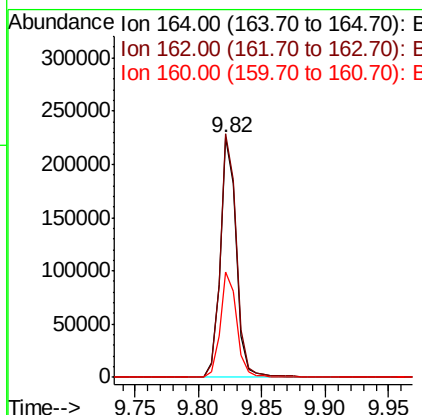
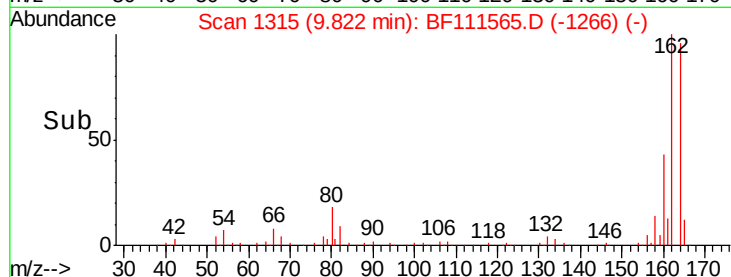
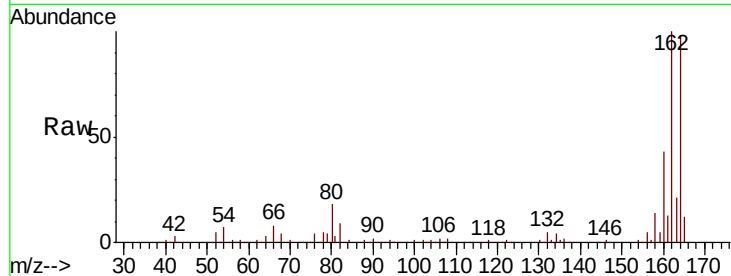




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

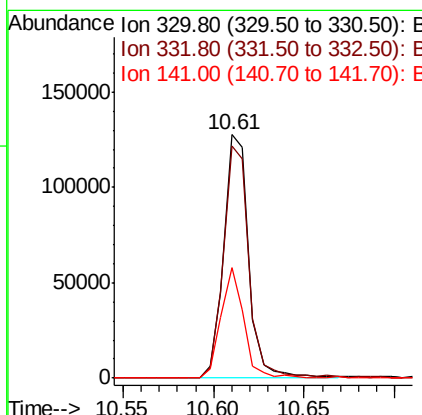
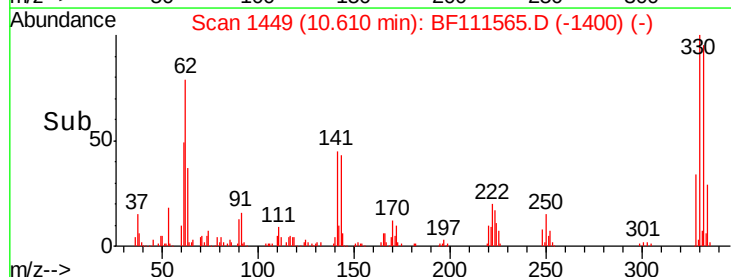
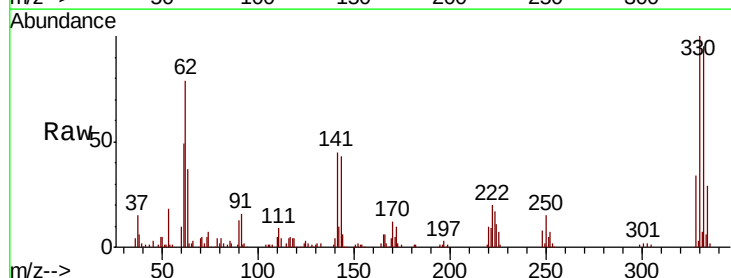
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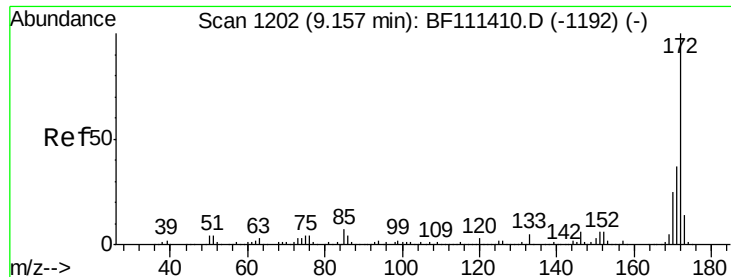
Tgt Ion:164 Resp: 200129
Ion Ratio Lower Upper
164 100
162 101.8 81.4 122.0
160 43.9 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 68.902 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

Tgt Ion:330 Resp: 123522
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 41.2 31.0 46.6

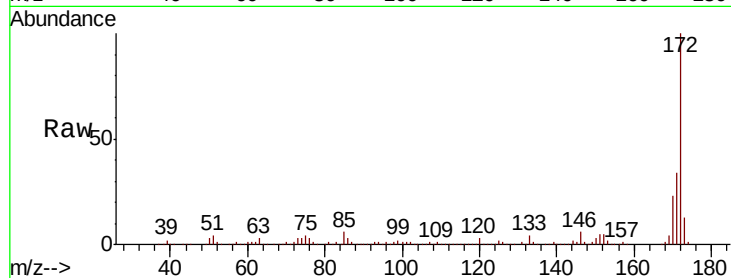




#45
 2-Fluorobiphenyl
 Concen: 58.859 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111565.D
 Acq: 18 Dec 2018 3:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-A

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	33.0	49.4
170	23.3	22.3	33.5

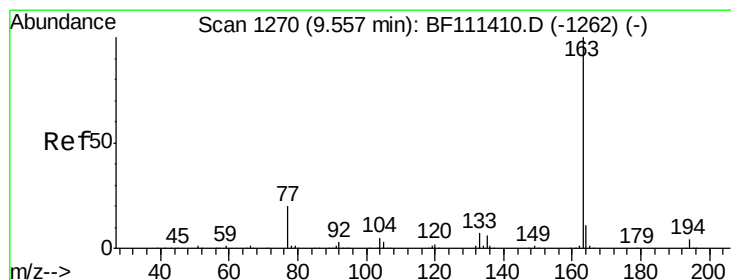
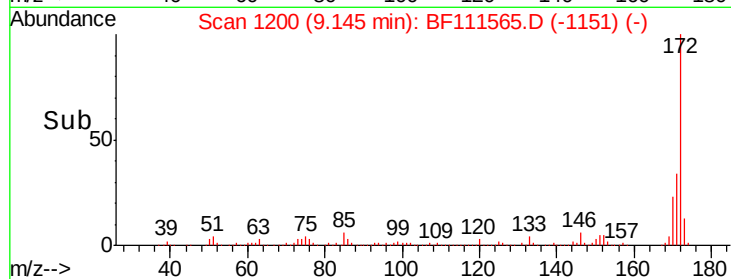
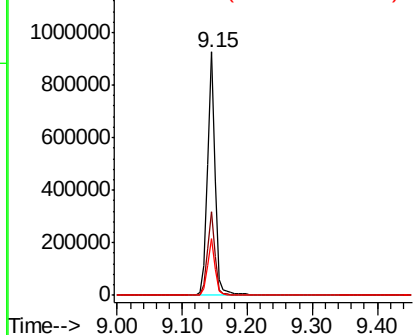


Abundance

Ion 172.00 (171.70 to 172.70): E

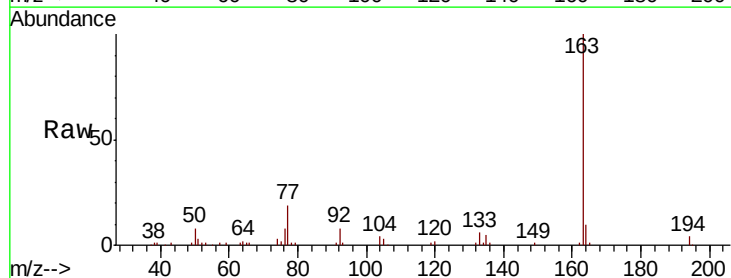
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 Dimethylphthalate
 Concen: 5.038 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF111565.D
 Acq: 18 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.6
164	9.8	8.9	13.3

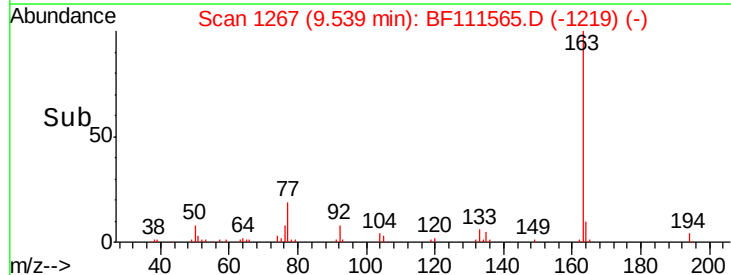
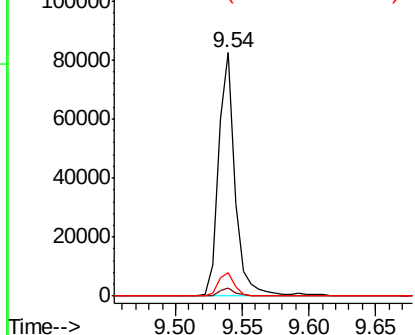


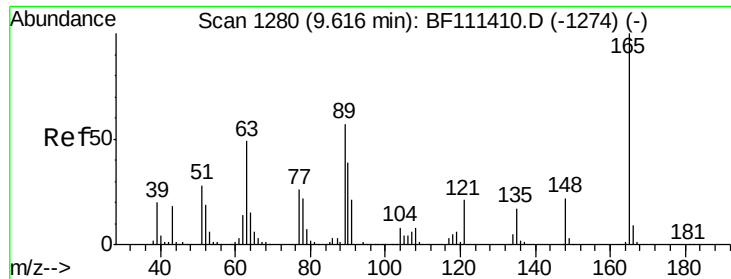
Abundance

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

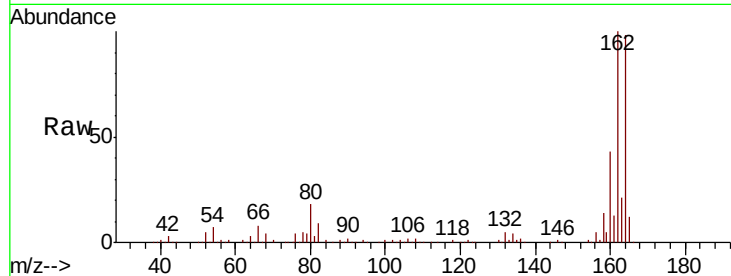




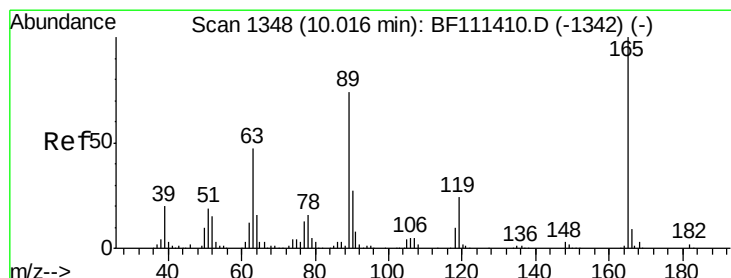
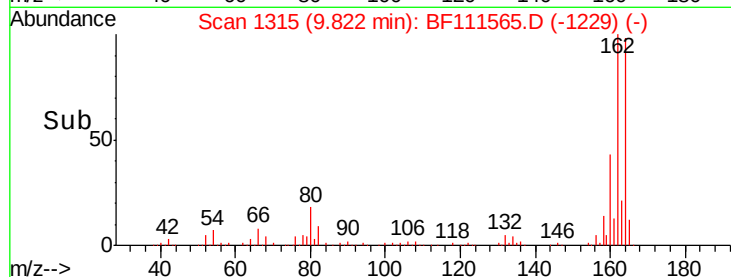
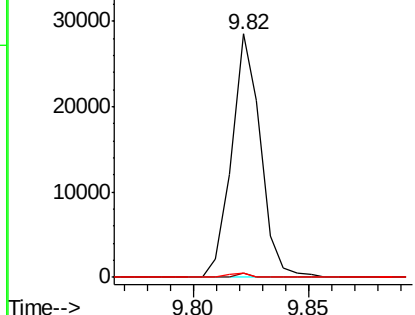
#51
 2,6-Dinitrotoluene
 Concen: 7.627 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.21 min
 Lab File: BF111565.D
 Acq: 18 Dec 2018 3:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.5	60.7#
89	1.8	40.0	60.0#

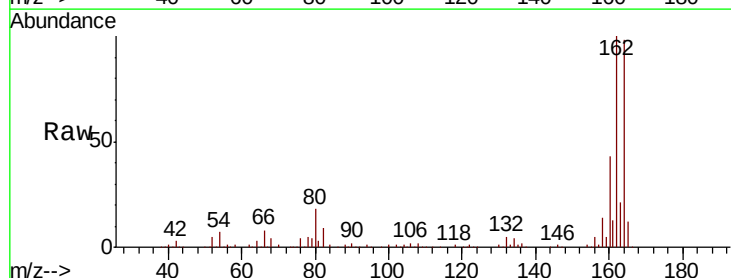


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

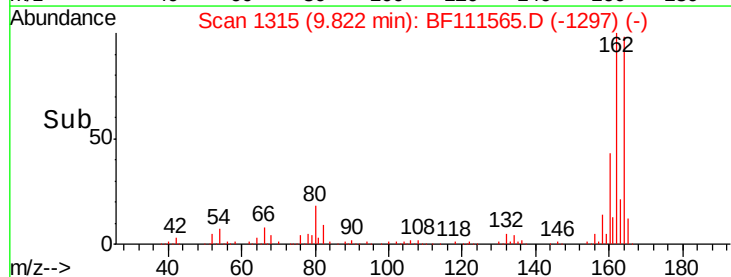
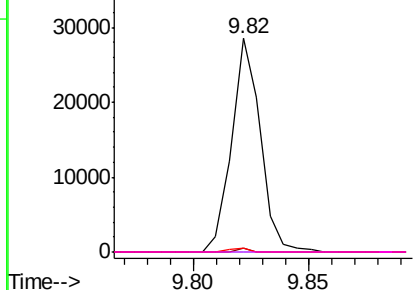


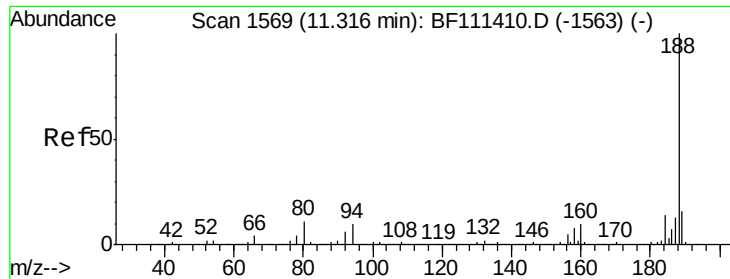
#57
 2,4-Dinitrotoluene
 Concen: 5.811 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.19 min
 Lab File: BF111565.D
 Acq: 18 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.6	52.0#
89	1.8	56.2	84.4#
182	0.0	1.8	2.6#



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

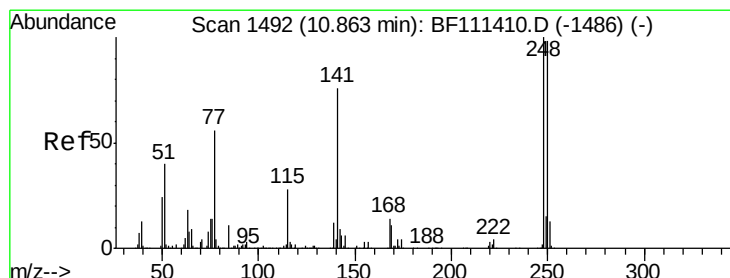
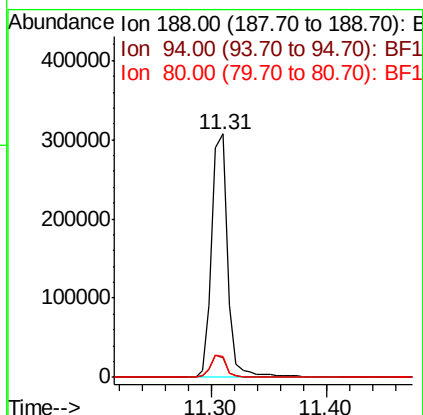
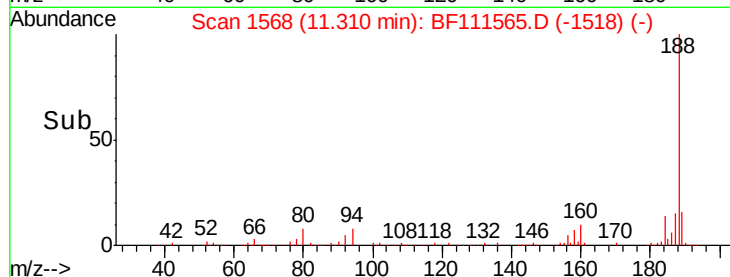
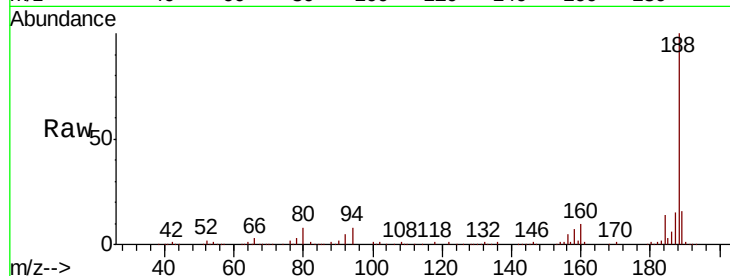




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111565.D
 Acq: 18 Dec 2018 3:21

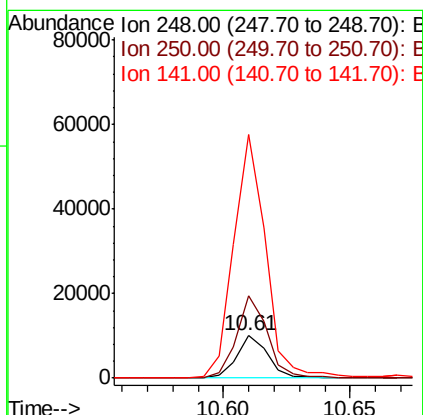
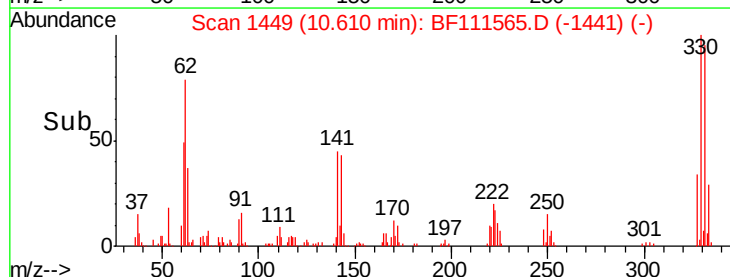
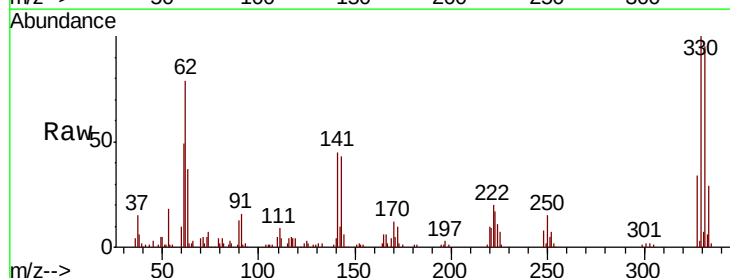
Instrument :
 BNA_F
 ClientSampled :
 TP-8-A

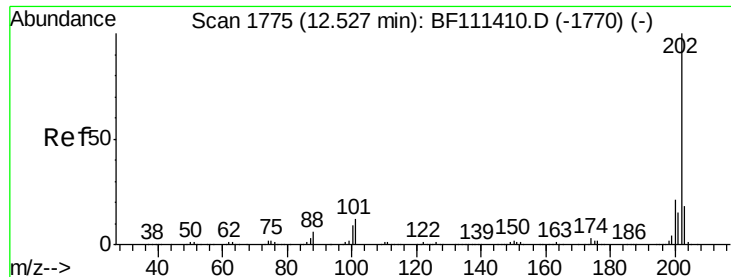
Tgt Ion:188 Resp: 298558
 Ion Ratio Lower Upper
 188 100
 94 8.0 9.6 14.4#
 80 8.4 9.8 14.6#



#67
 4-Bromophenyl-phenylether
 Concen: 2.638 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.25 min
 Lab File: BF111565.D
 Acq: 18 Dec 2018 3:21

Tgt Ion:248 Resp: 8488
 Ion Ratio Lower Upper
 248 100
 250 193.4 77.0 115.4#
 141 575.3 63.0 94.6#

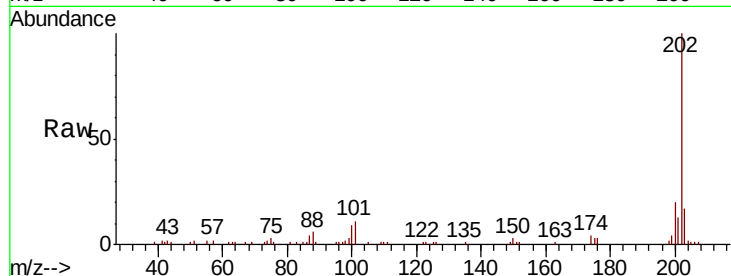




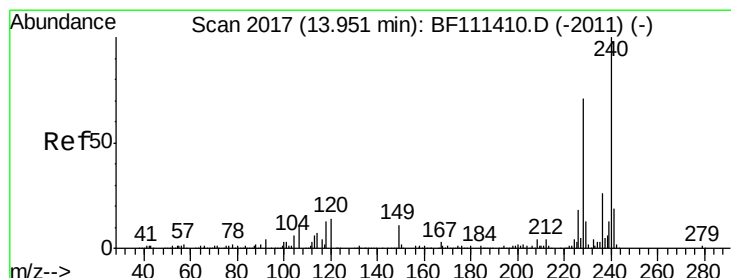
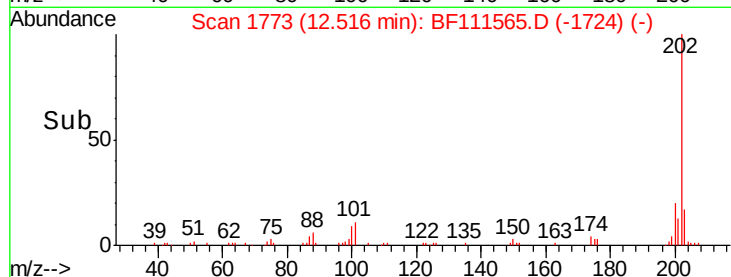
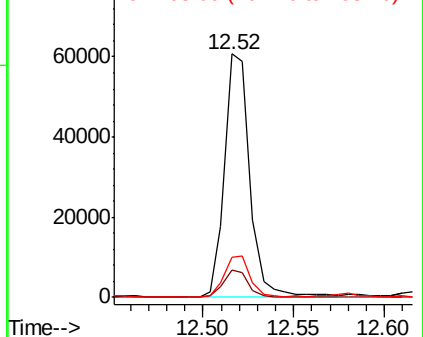
#75
Fluoranthene
Concen: 3.961 ng
RT: 12.52 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
TP-8-A

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.8
203	16.6	0.0	38.6

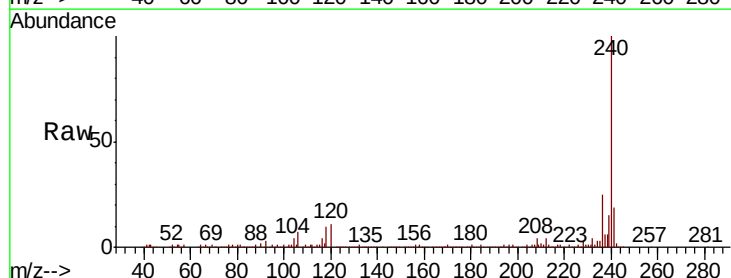


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

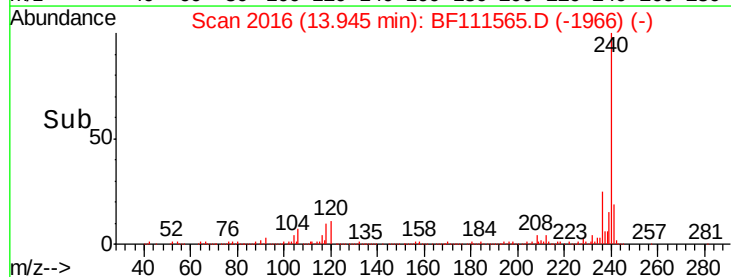
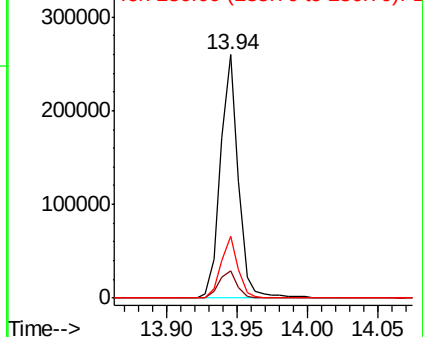


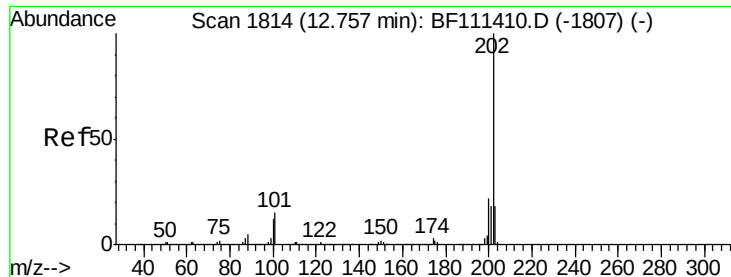
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	12.2	18.2#
236	25.3	20.2	30.2



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: 3.618 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF111565.D

Acq: 18 Dec 2018 3:21

Instrument :

BNA_F

ClientSampleId :

TP-8-A

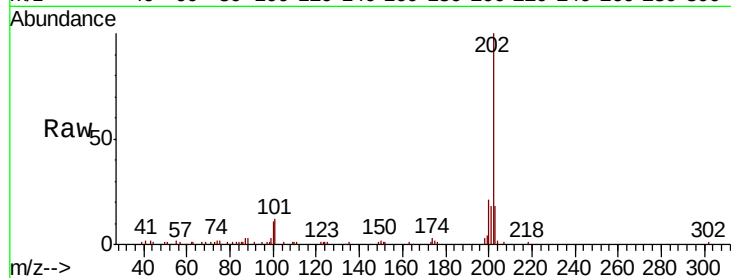
Tgt Ion:202 Resp: 58432

Ion Ratio Lower Upper

202 100

200 20.6 19.0 28.4

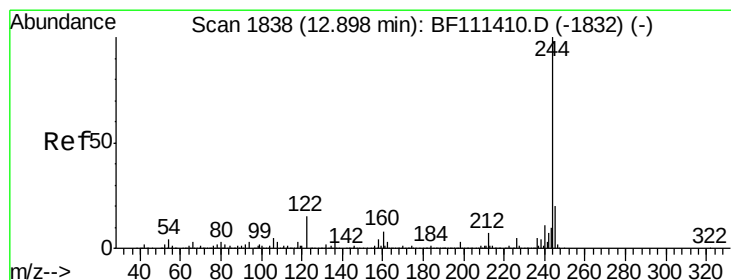
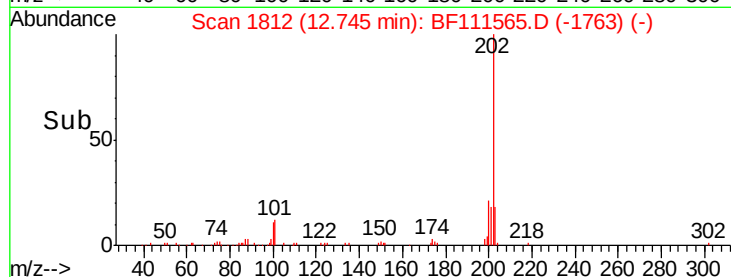
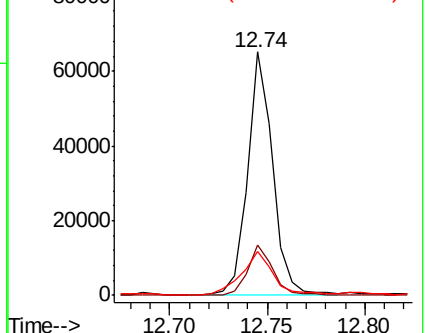
203 18.1 15.2 22.8



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



#79

Terphenyl-d14

Concen: 54.373 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111565.D

Acq: 18 Dec 2018 3:21

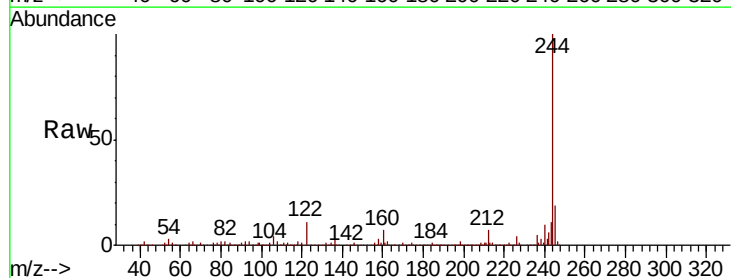
Tgt Ion:244 Resp: 530425

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

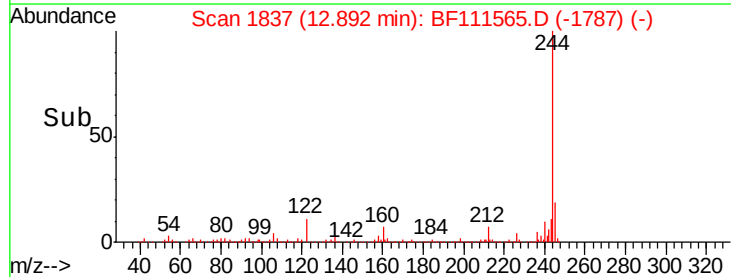
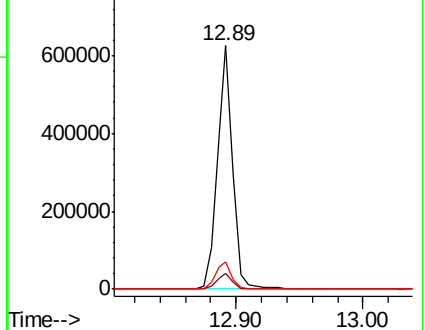
122 11.5 13.1 19.7#

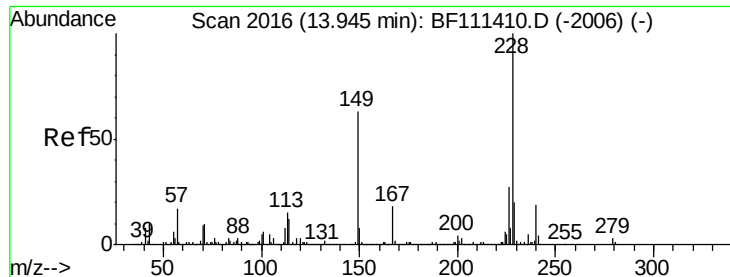


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

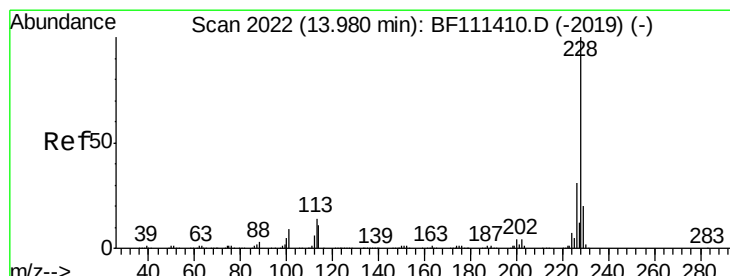
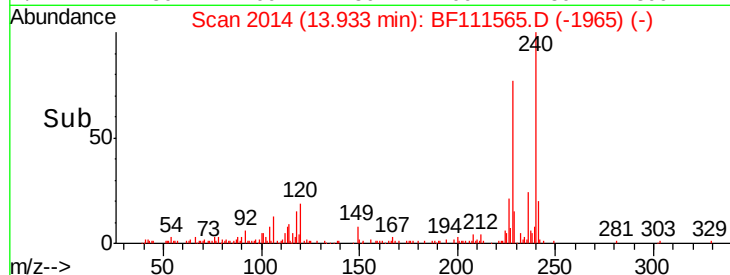
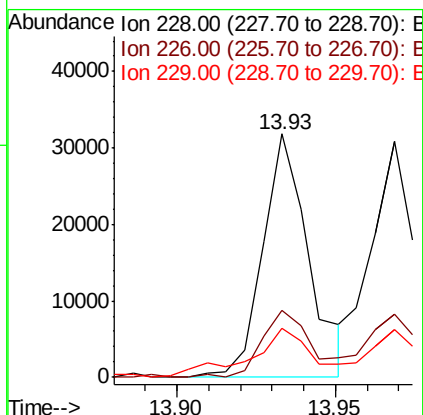
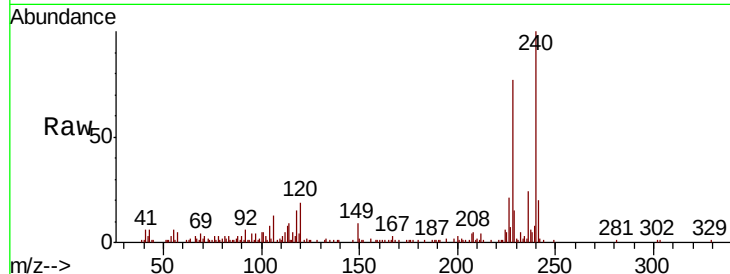




#81
Benzo(a)anthracene
Concen: 2.580 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

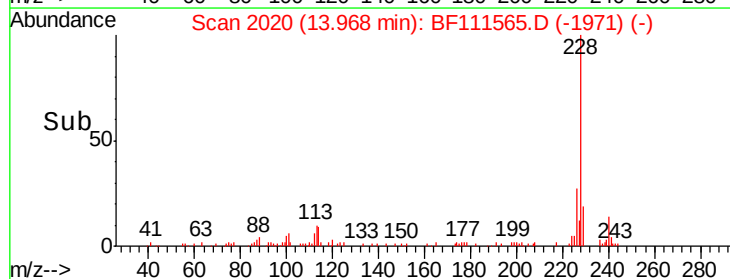
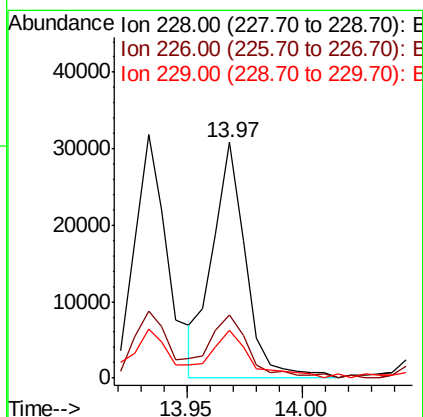
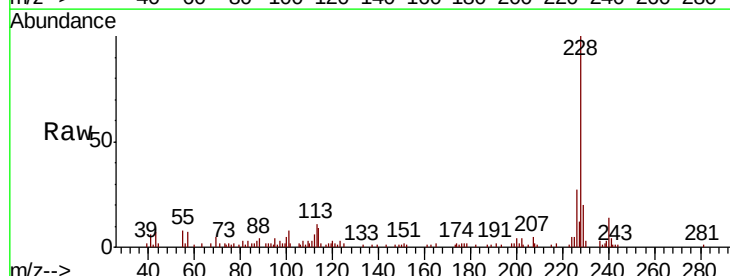
Instrument :
BNA_F
ClientSampleId :
TP-8-A

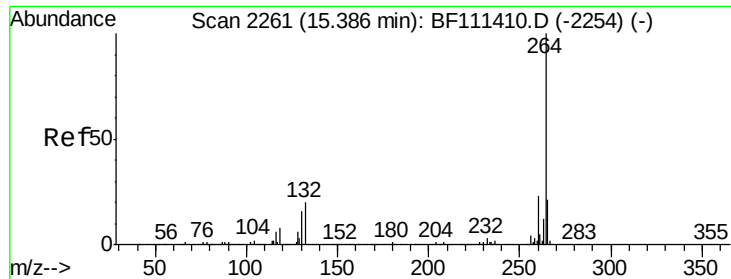
Tgt Ion: 228 Resp: 32138
Ion Ratio Lower Upper
228 100
226 27.3 22.6 34.0
229 20.1 16.3 24.5



#83
Chrysene
Concen: 2.348 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

Tgt Ion: 228 Resp: 30812
Ion Ratio Lower Upper
228 100
226 26.9 25.3 37.9
229 20.4 17.2 25.8

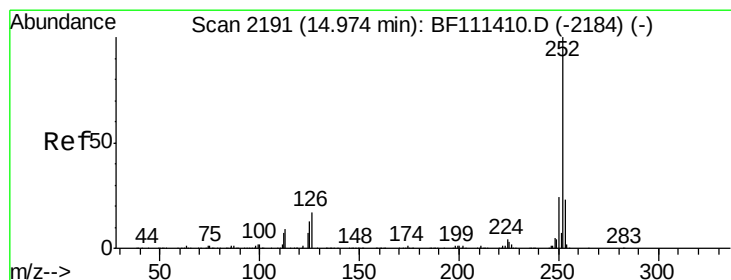
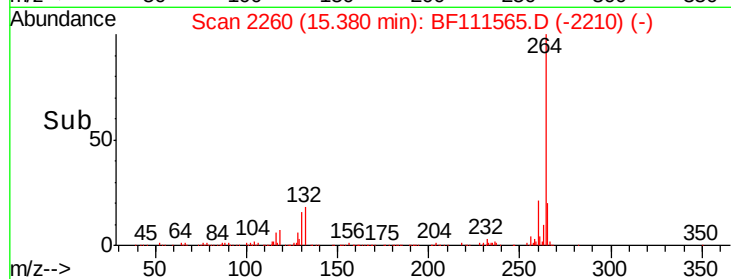
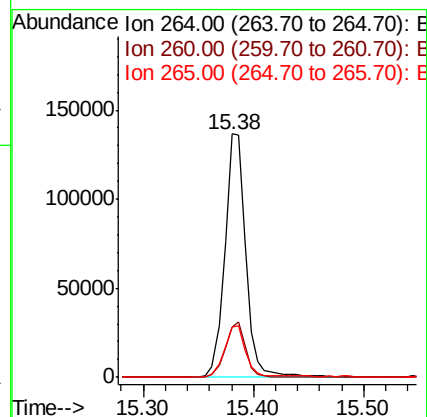
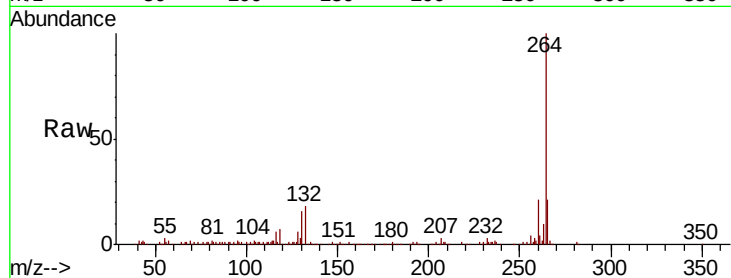




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

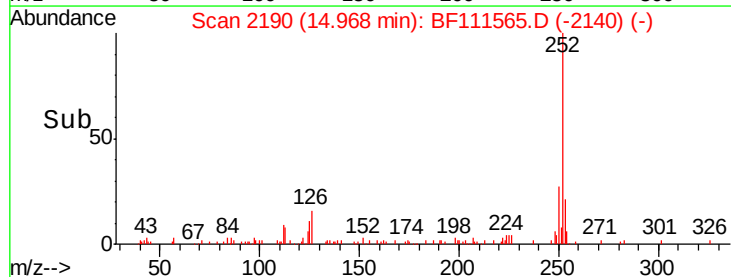
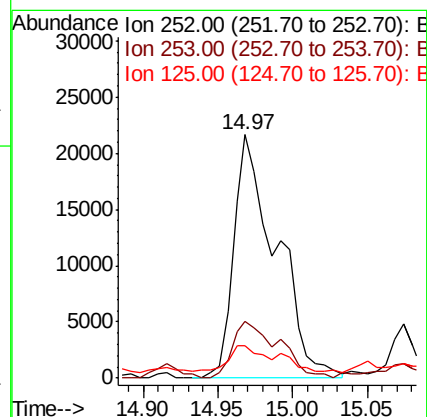
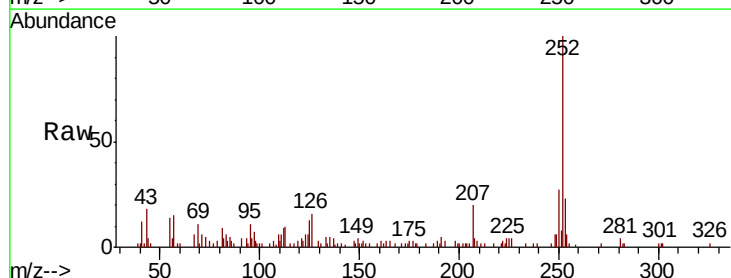
Instrument :
BNA_F
ClientSampleId :
TP-8-A

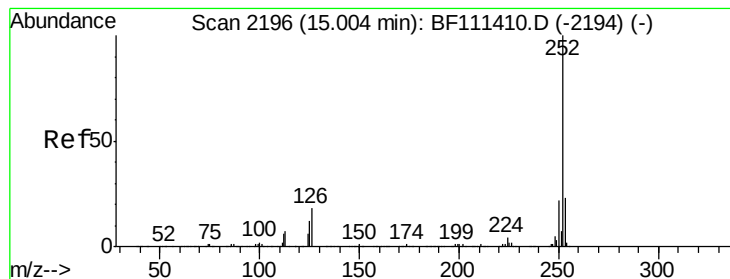
Tgt Ion:264 Resp: 181736
Ion Ratio Lower Upper
264 100
260 20.6 18.3 27.5
265 20.6 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 4.050 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111565.D
Acq: 18 Dec 2018 3:21

Tgt Ion:252 Resp: 42914
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 13.4 10.4 15.6





#89

Benzo(k)fluoranthene

Concen: 4.239 ng

RT: 14.97 min Scan# 2190

Delta R.T. -0.04 min

Lab File: BF111565.D

Acq: 18 Dec 2018 3:21

Instrument :

BNA_F

ClientSampleId :

TP-8-A

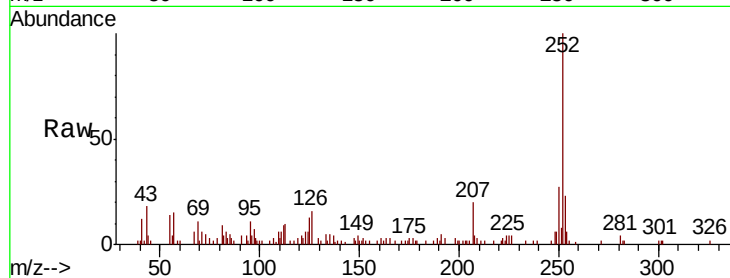
Tgt Ion:252 Resp: 42914

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

125 13.4 9.8 14.8

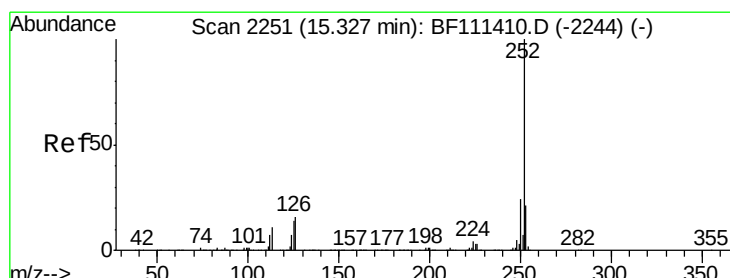
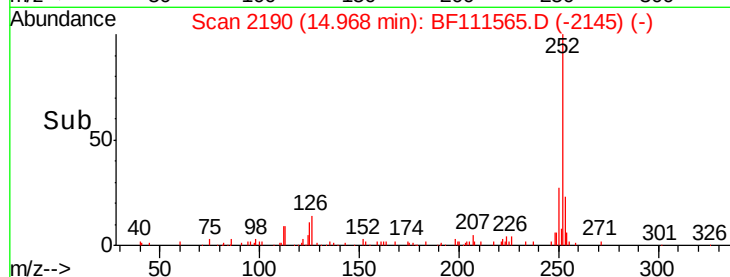
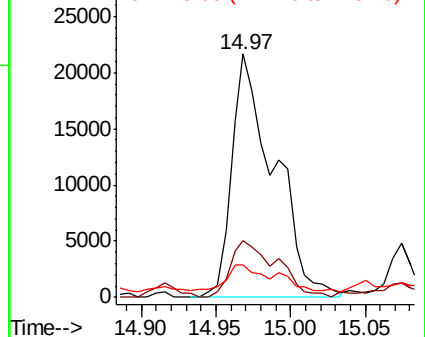


Abundance

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: 2.376 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111565.D

Acq: 18 Dec 2018 3:21

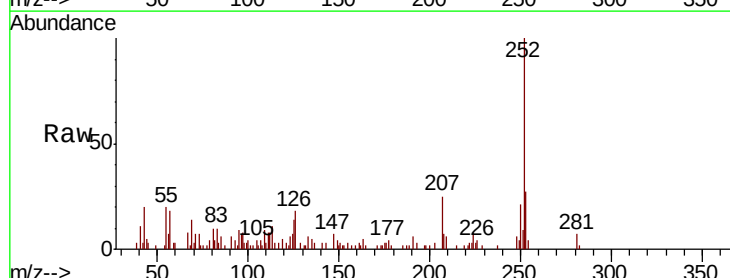
Tgt Ion:252 Resp: 22706

Ion Ratio Lower Upper

252 100

253 27.5 17.8 26.8#

125 14.2 12.3 18.5



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

