

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102460.D
 Acq On : 26 Jan 2018 9:15
 Operator : SJ/JU
 Sample : J1256-05DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW0-4)DL

Manual Integrations
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Quant Time: Jan 26 12:25:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	129781	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	483569	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	185203	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	284423	20.00	ng	0.00
75) Chrysene-d12	13.89	240	224839	20.00	ng	0.00
86) Perylene-d12	15.32	264	178905	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	171177	20.00	ng	0.00
7) Phenol-d6	6.36	99	200977	19.48	ng	-0.01
23) Nitrobenzene-d5	7.28	82	116690	13.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	29029	15.82	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	218241	17.33	ng	0.00
78) Terphenyl-d14	12.82	244	163300	16.37	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.47	163	32349	2.113	ng	98
51) Acenaphthene	9.78	154	30772	2.627	ng	98
57) Fluorene	10.30	166	39742	3.164	ng	93
70) Phenanthrene	11.26	178	410755	24.783	ng	98
71) Anthracene	11.31	178	103821	6.137	ng	97
72) Carbazole	11.47	167	54572	3.307	ng	98
74) Fluoranthene	12.46	202	646390	38.245	ng	97
77) Pyrene	12.68	202	612270	35.221	ng	99
80) Benzo(a)anthracene	13.87	228	269652	19.480	ng	97
82) Chrysene	13.91	228	285591	20.317	ng	96
85) Indeno(1,2,3-cd)pyrene	16.72	276	138395	11.921	ng	96
87) Benzo(b)fluoranthene	14.92	252	318306m	27.450	ng	
88) Benzo(k)fluoranthene	14.93	252	109255m	9.973	ng	
89) Benzo(a)pyrene	15.26	252	211005	20.176	ng	# 83
90) Dibenzo(a,h)anthracene	16.72	278	30712	3.625	ng	# 55
91) Benzo(g,h,i)perylene	17.15	276	141743	16.945	ng	94

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

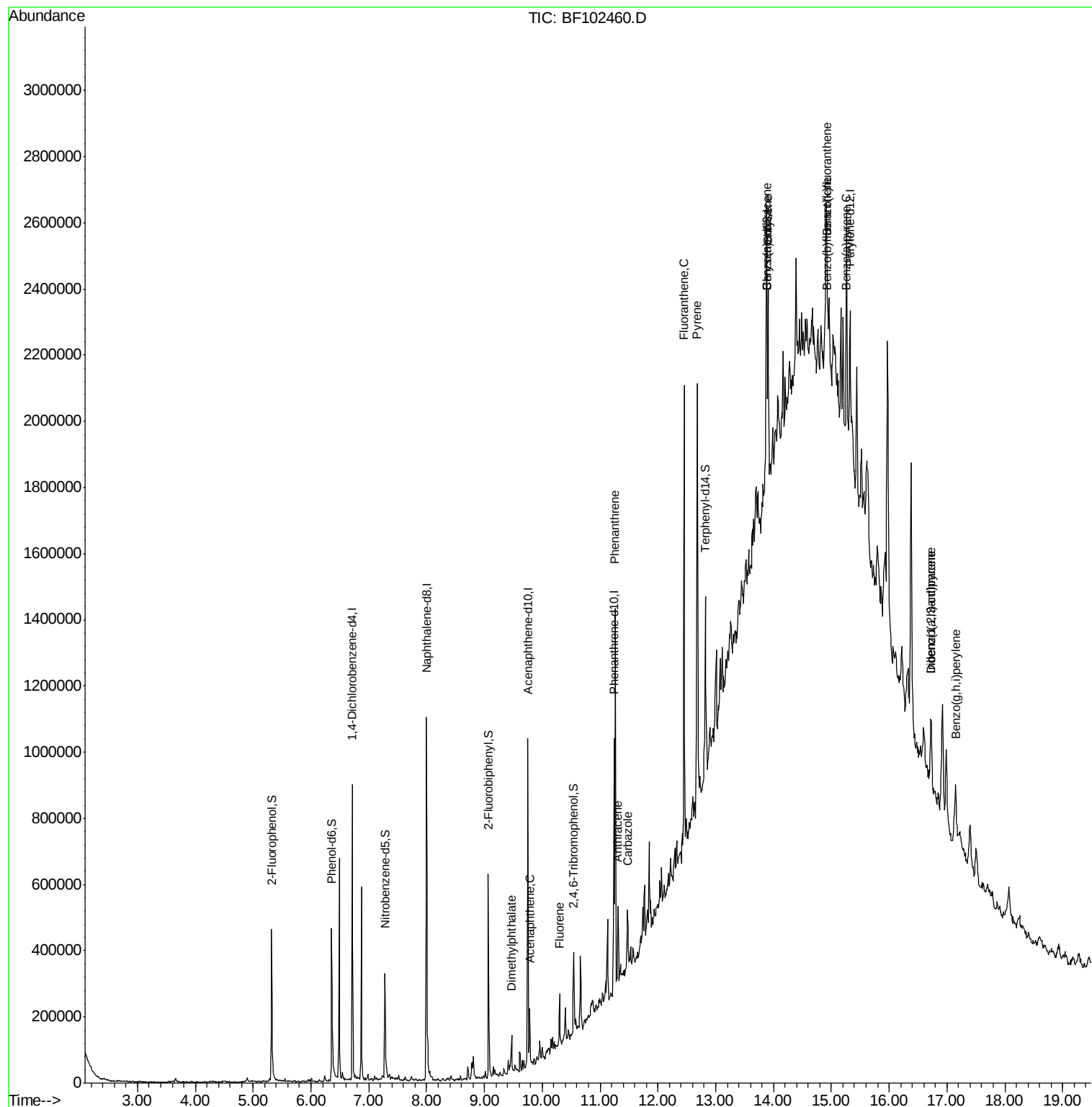
Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
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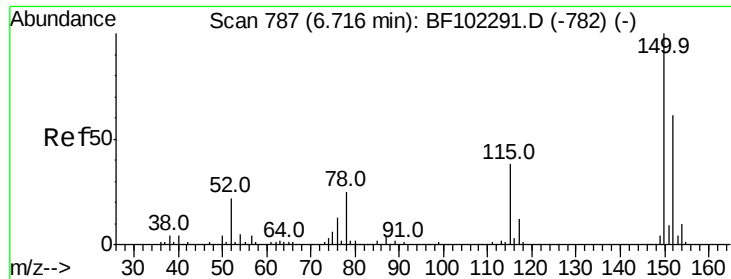
Instrument :
BNA_F
ClientSampleID :
DB-OF-N-S-(WW0-4)DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
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#1

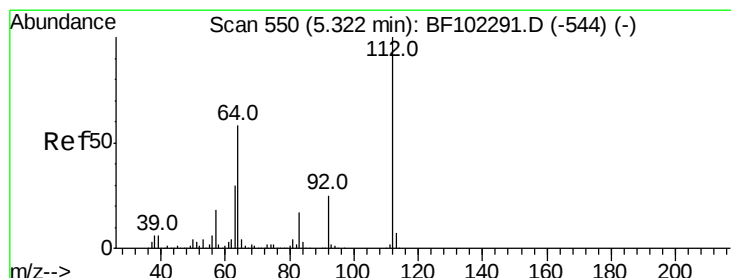
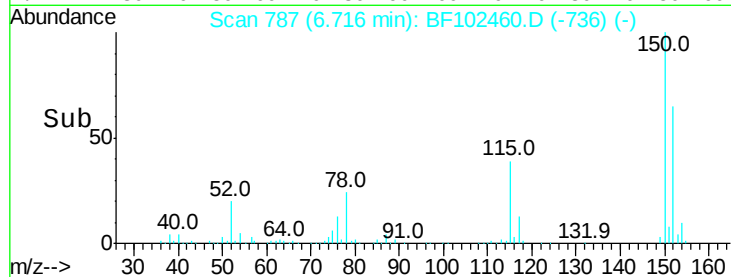
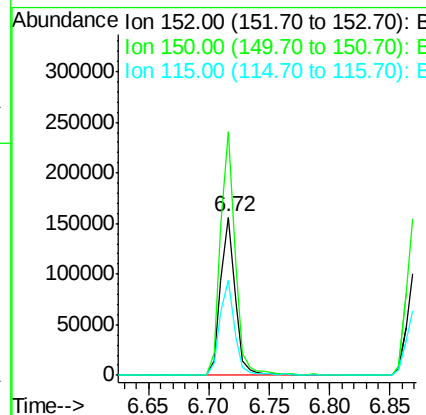
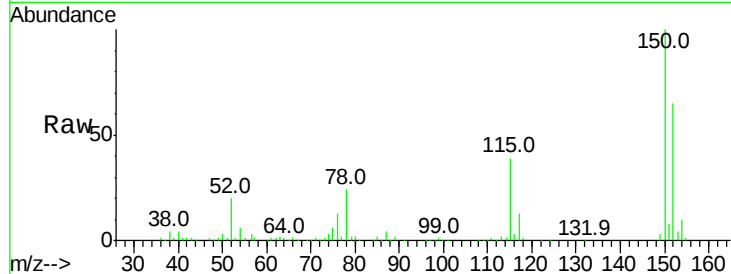
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW0-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	60.1	50.1	75.1

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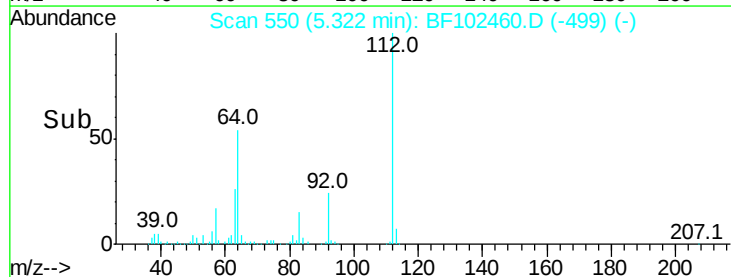
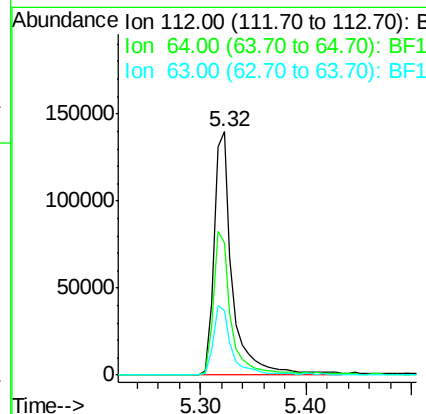
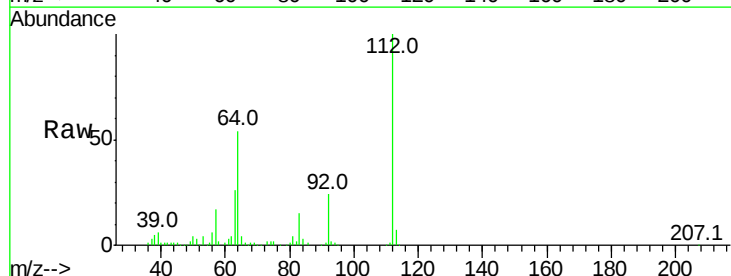
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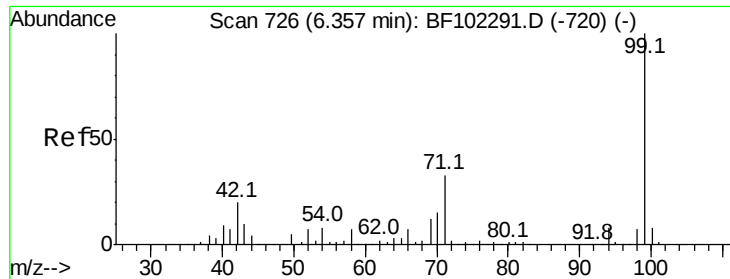


#5

2-Fluorophenol
Concen: 19.999 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	47.9	71.9
63	26.4	23.7	35.5





#7

Phenol-d6

Concen: 19.476 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

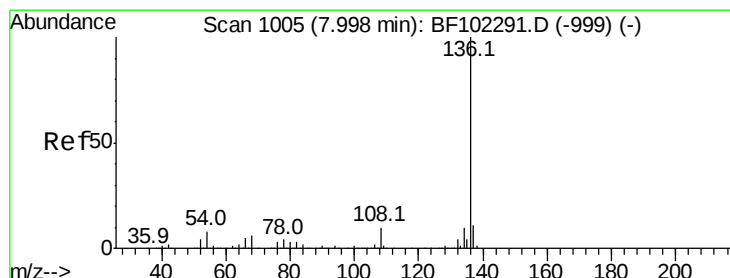
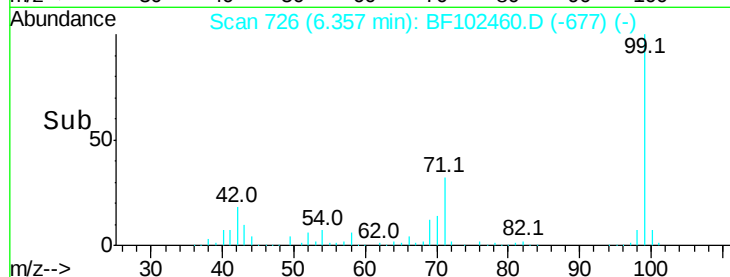
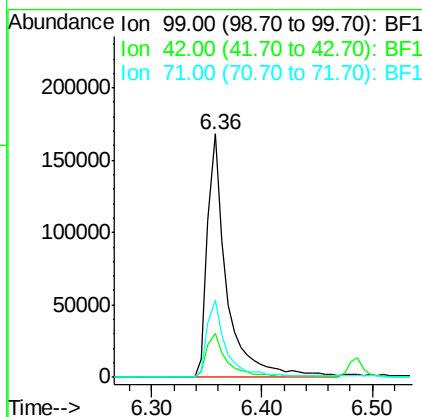
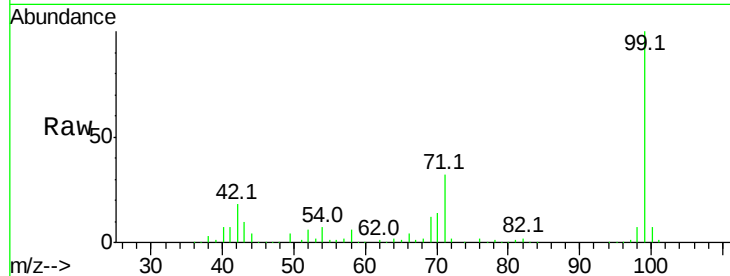
ClientSampleId :

DB-OF-N-S-(WW0-4)DL

Tot Ion:	99	Resp:	200977
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	31.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

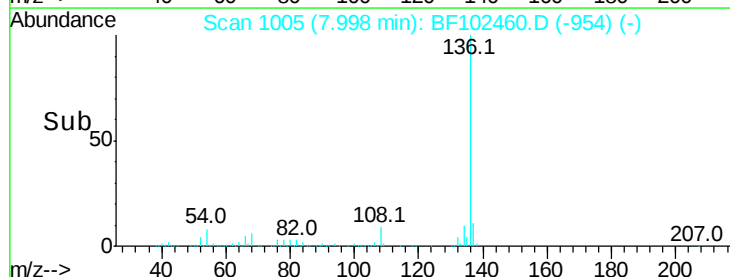
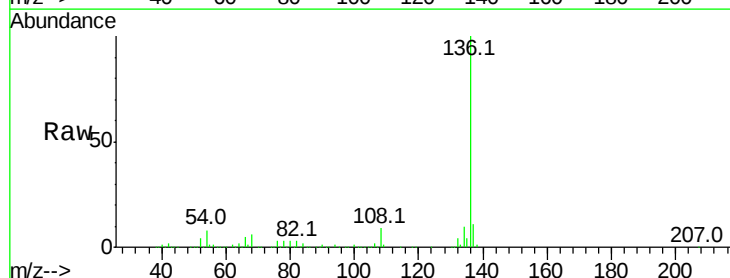
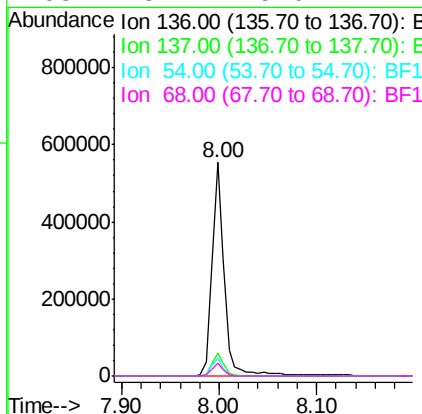
RT: 8.00 min Scan# 1005

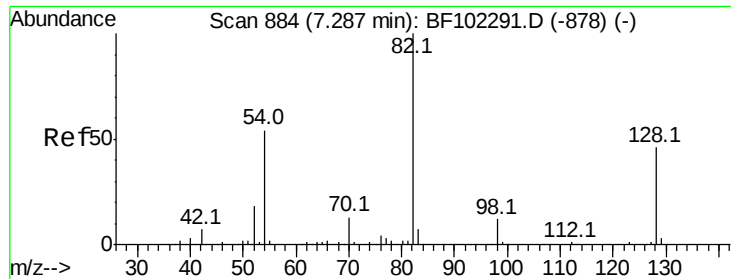
Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Tgt Ion:	136	Resp:	483569
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.2	6.6	9.8
68	5.7	5.0	7.4





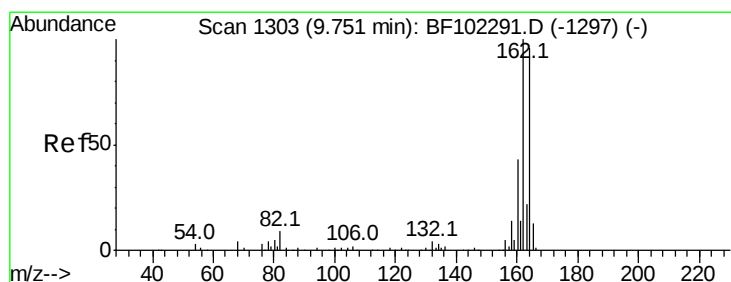
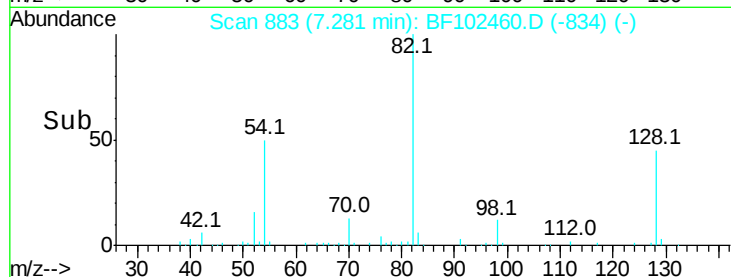
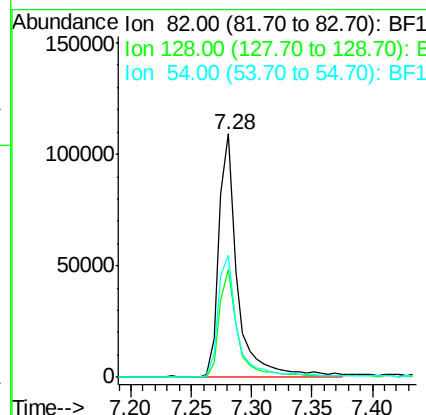
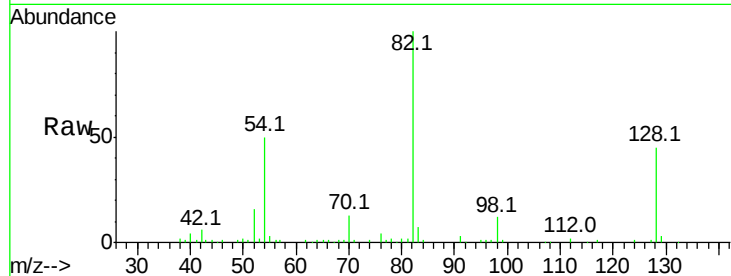
#23
 Nitrobenzene-d5
 Concen: 13.867 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.5	36.1	54.1	
54	49.9	41.4	62.2	

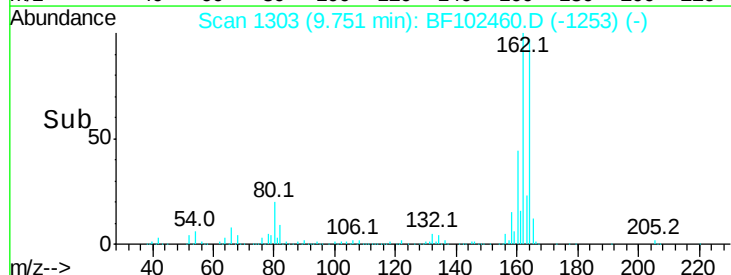
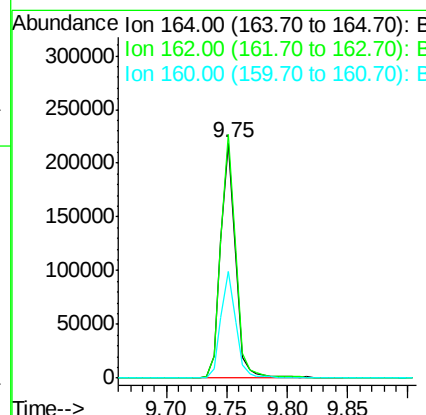
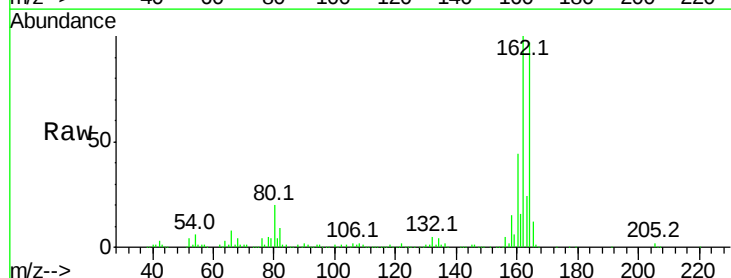
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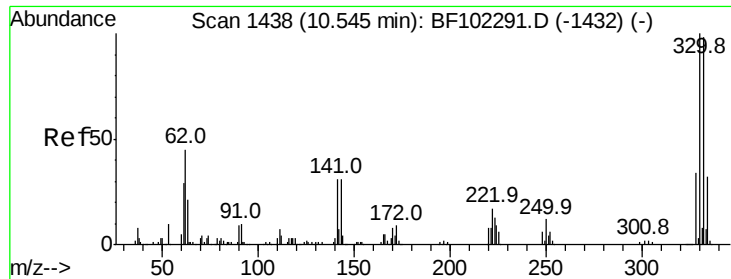
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	86.1	129.1	
160	45.5	38.3	57.5	





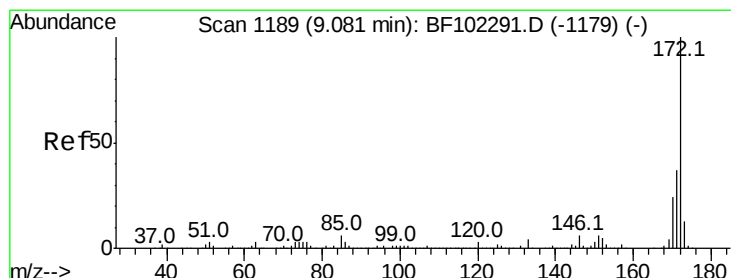
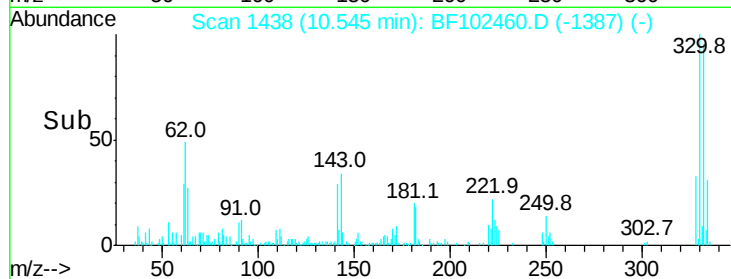
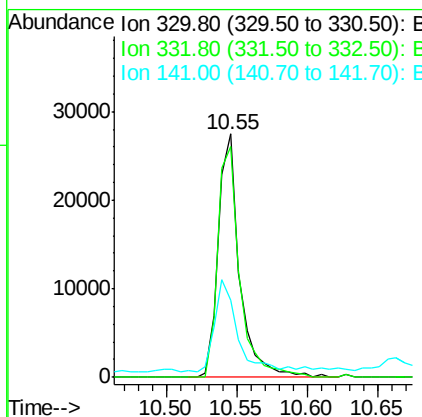
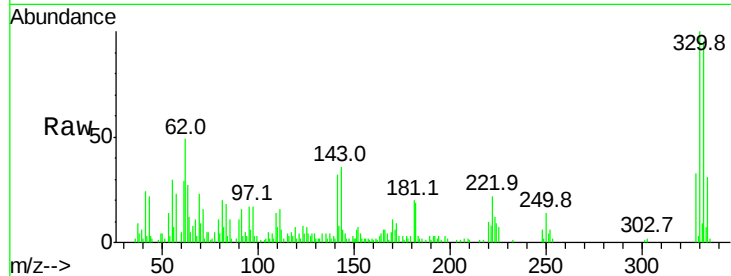
#41
 2,4,6-Tribromophenol
 Concen: 15.819 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW0-4)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	40.0	29.9	44.9

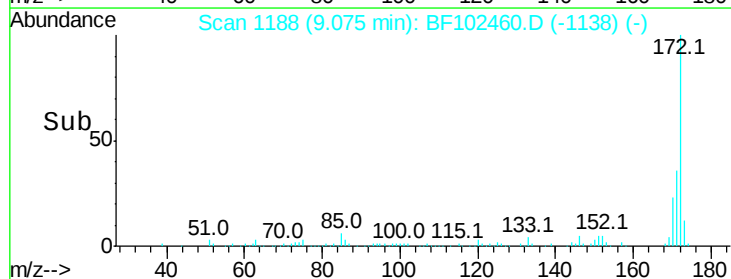
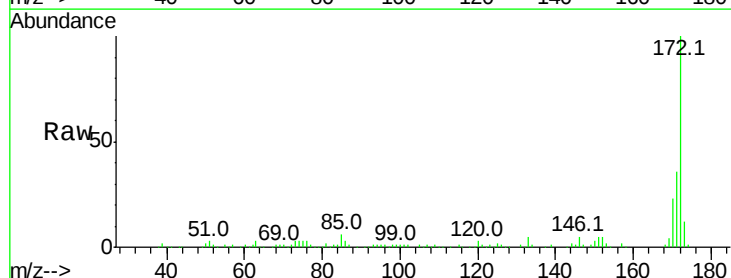
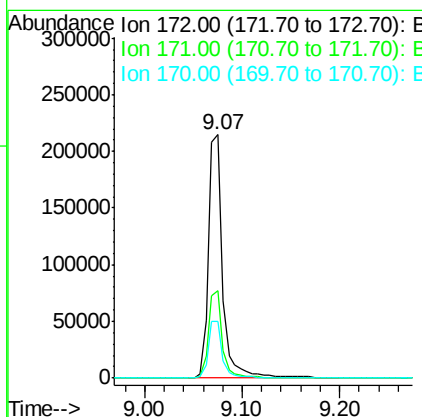
Manual Integrations
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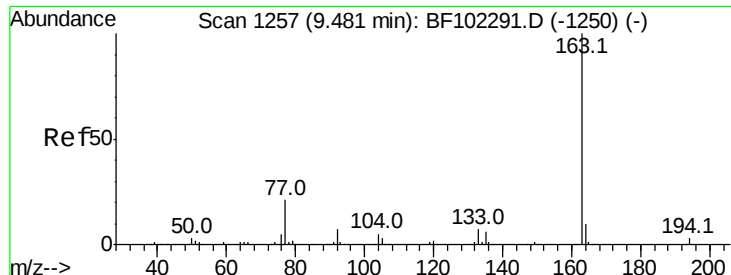
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#44
 2-Fluorobiphenyl
 Concen: 17.326 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102460.D
 Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.4	19.6	29.4





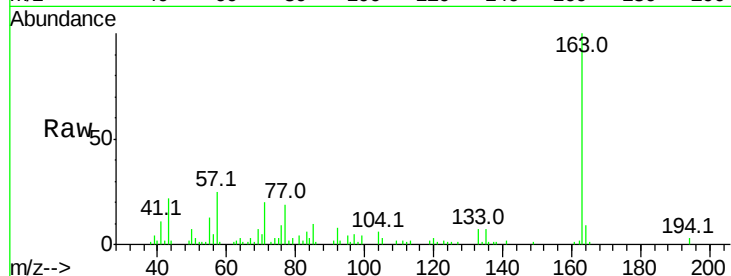
#49
Dimethylphthalate
Concen: 2.113 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW0-4)DL

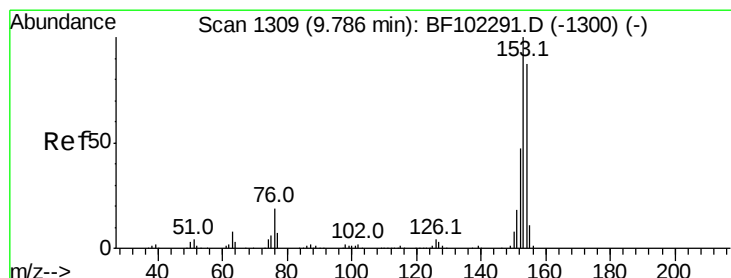
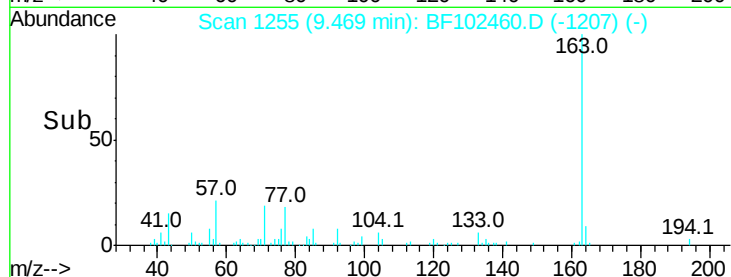
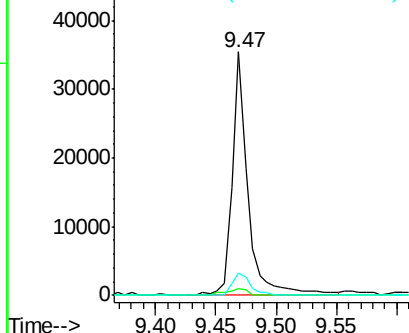
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.0	2.7	4.1	
164	9.3	8.2	12.2	

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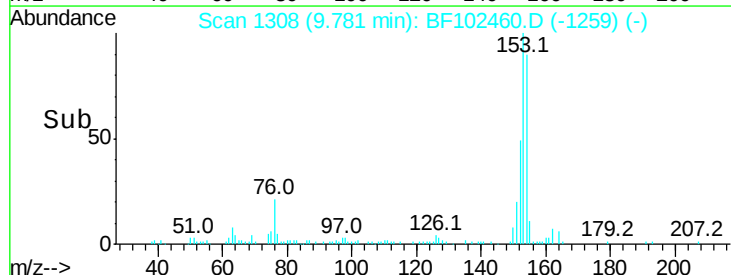
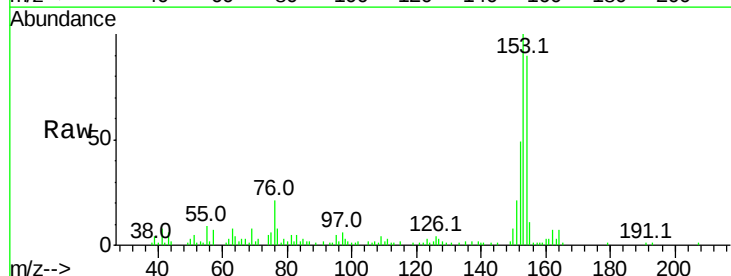
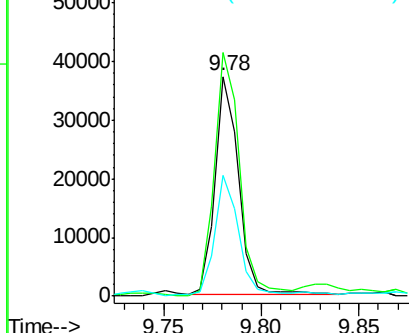
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

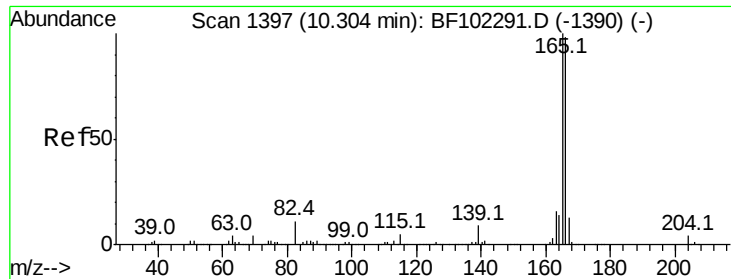


#51
Acenaphthene
Concen: 2.627 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	110.7	91.2	136.8	
152	54.8	43.8	65.8	

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 3.164 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW0-4)DL

Tot Ion:166 Resp: 39742

Ion Ratio Lower Upper

166 100

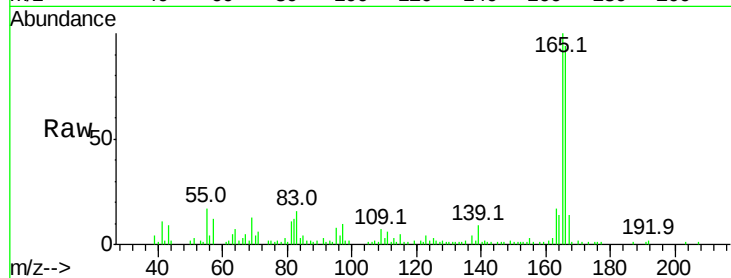
165 106.5 79.8 119.8

167 15.4 10.6 16.0

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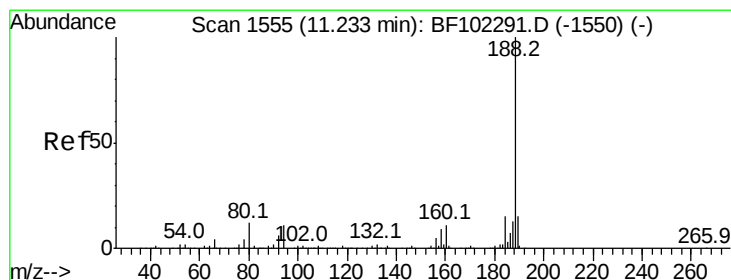
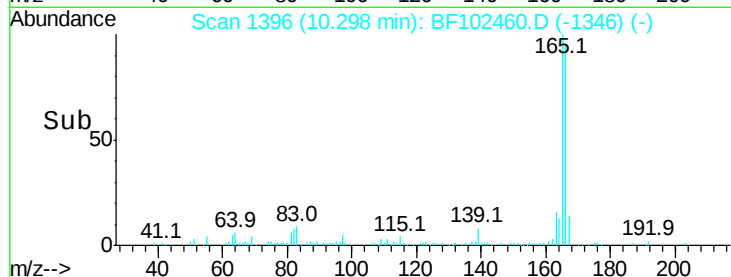
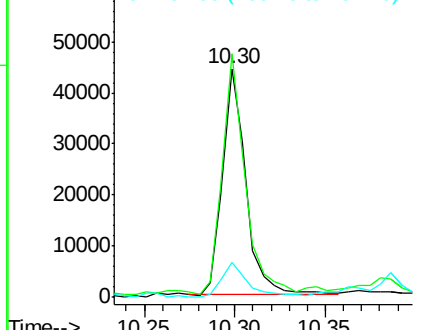
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

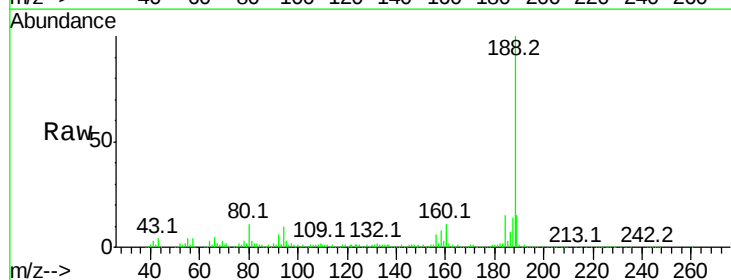
Tgt Ion:188 Resp: 284423

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

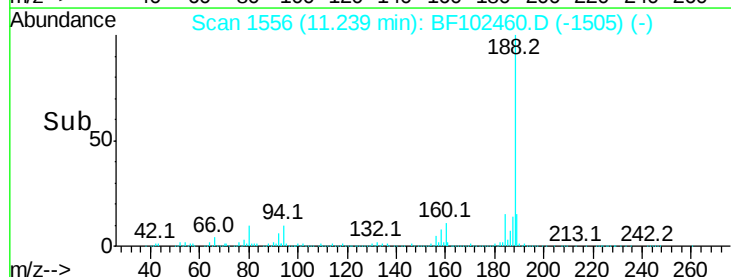
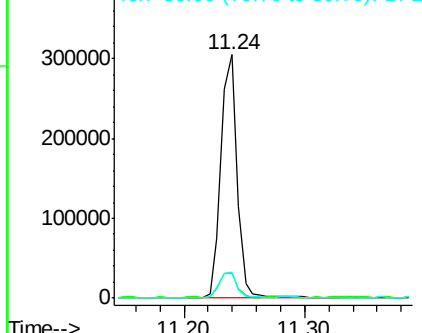
80 10.7 9.2 13.8

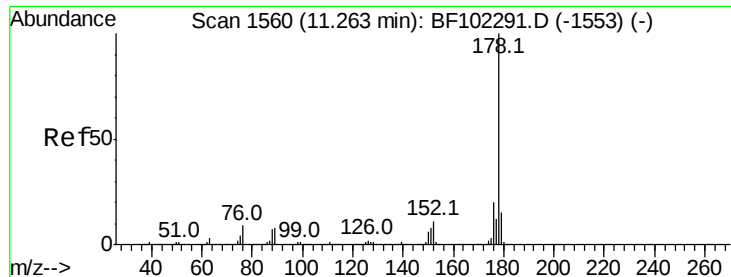


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





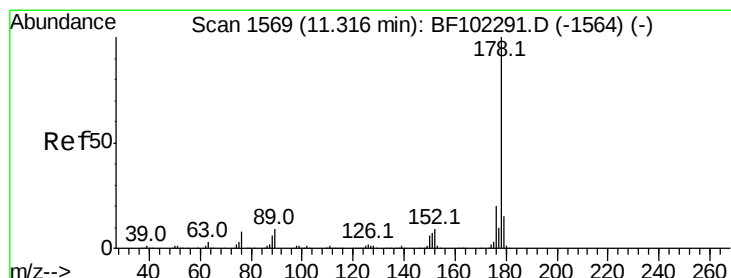
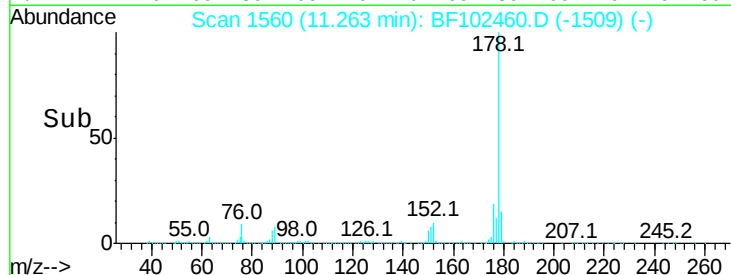
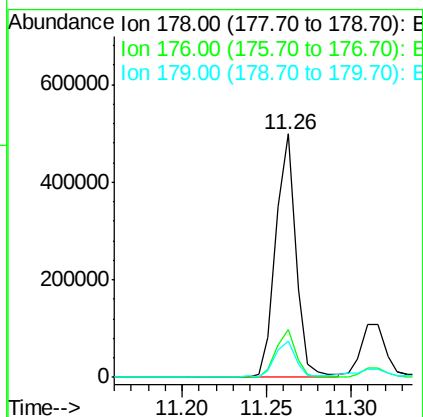
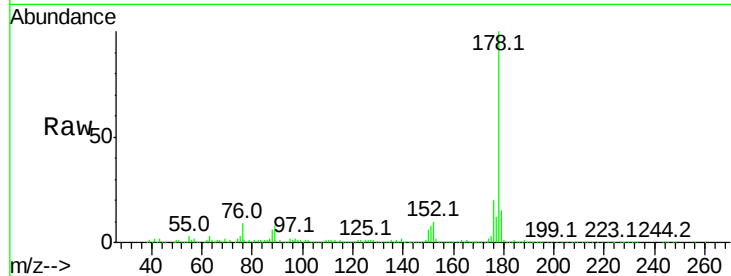
#70
Phenanthrene
Concen: 24.783 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW0-4)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.1	13.0	19.6

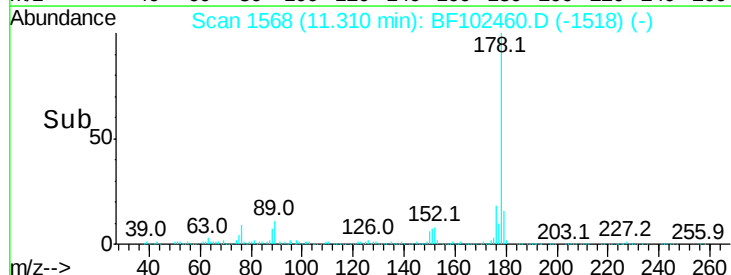
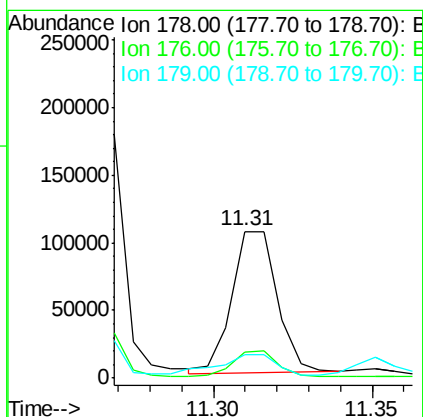
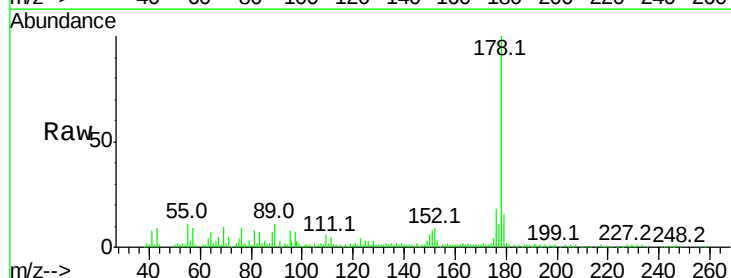
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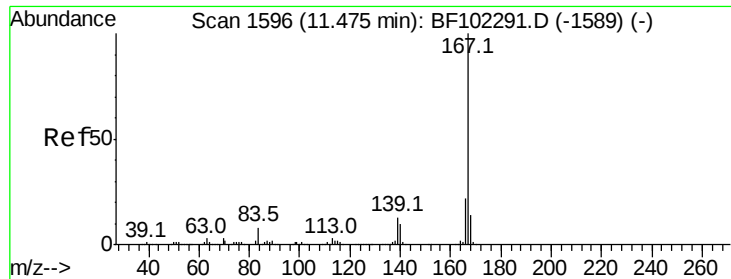
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1/26/2018 4:04:28 PM



#71
Anthracene
Concen: 6.137 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	16.4	12.6	19.0





#72

Carbazole

Concen: 3.307 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

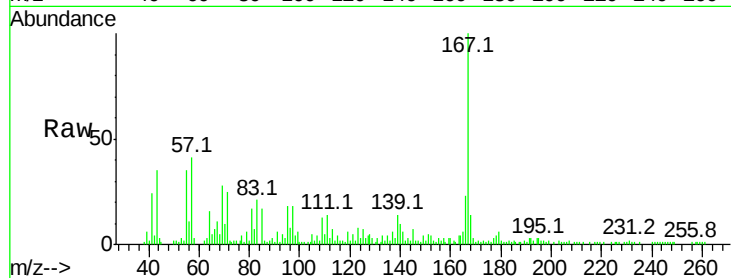
ClientSampleId :

DB-OF-N-S-(WW0-4)DL

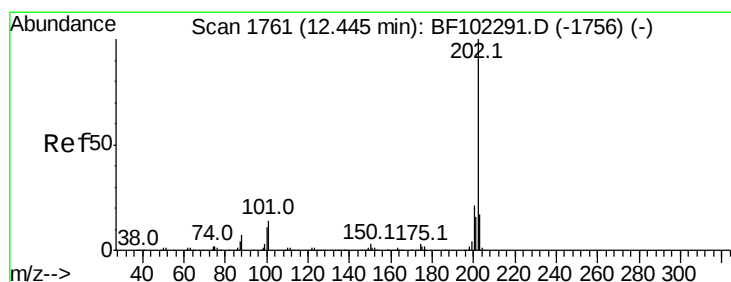
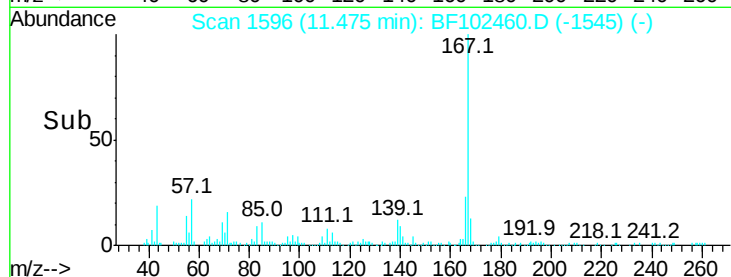
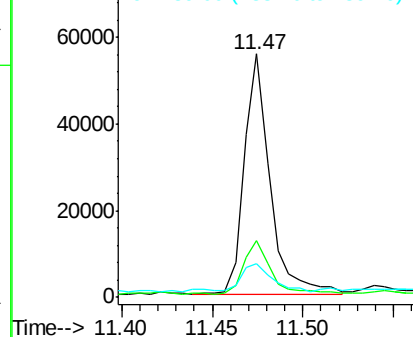
Tot Ion:	167	Resp:	54572
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.6	26.4
139	14.0	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 38.245 ng

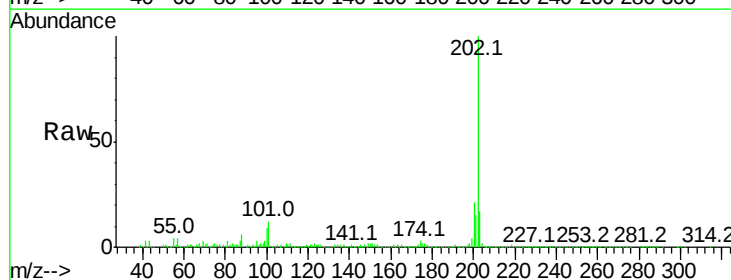
RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

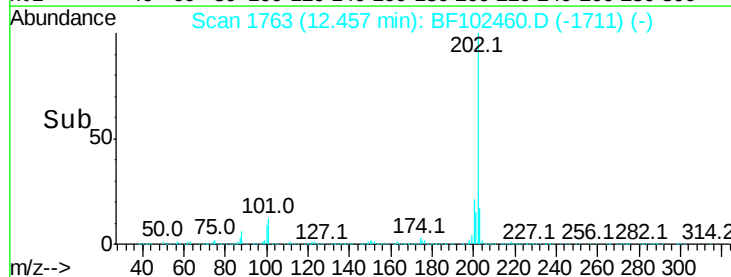
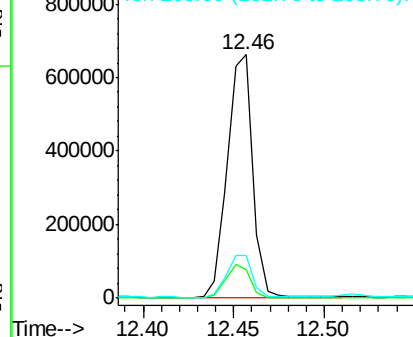
Lab File: BF102460.D

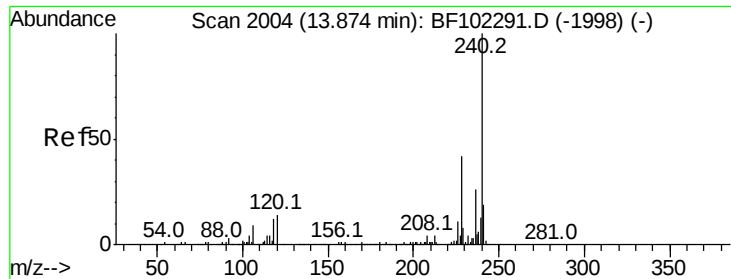
Acq: 26 Jan 2018 9:15

Tgt Ion:	202	Resp:	646390
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	17.5	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: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

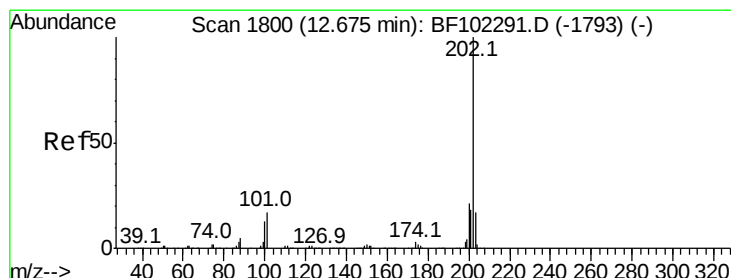
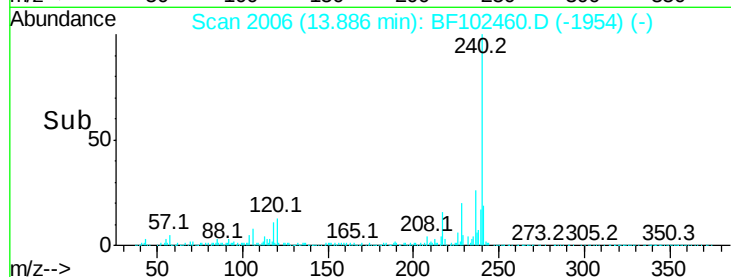
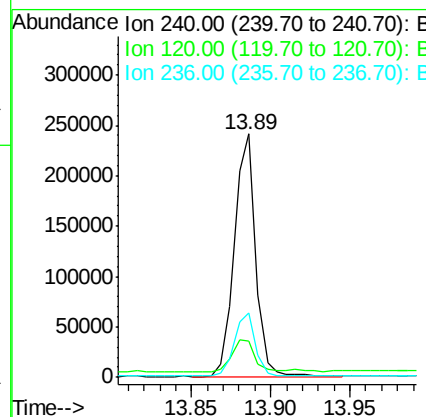
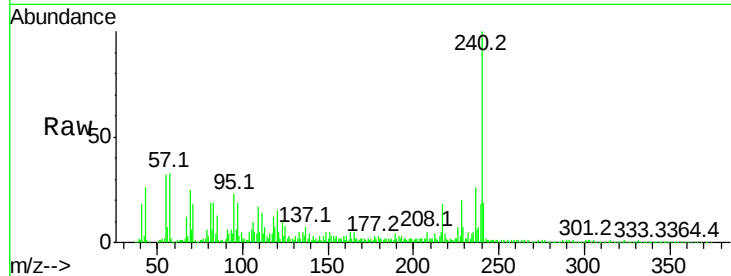
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	26.2	20.7	31.1

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#77

Pyrene

Concen: 35.221 ng

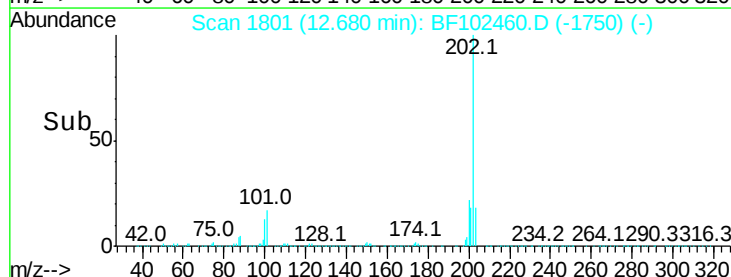
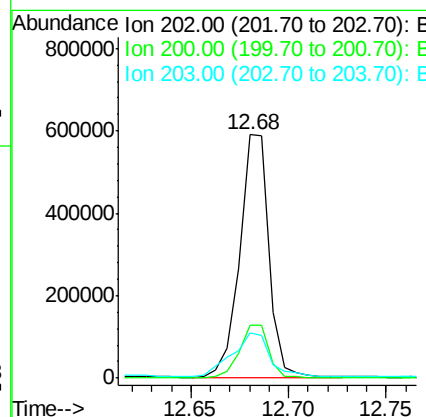
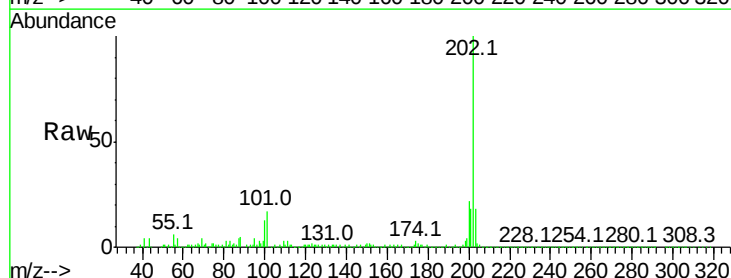
RT: 12.68 min Scan# 1801

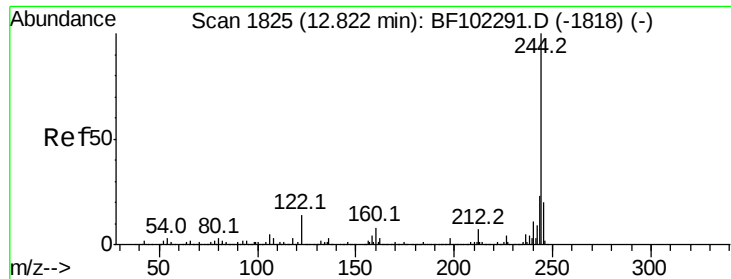
Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.4	14.3	21.5





#78

Terphenyl-d14

Concen: 16.373 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

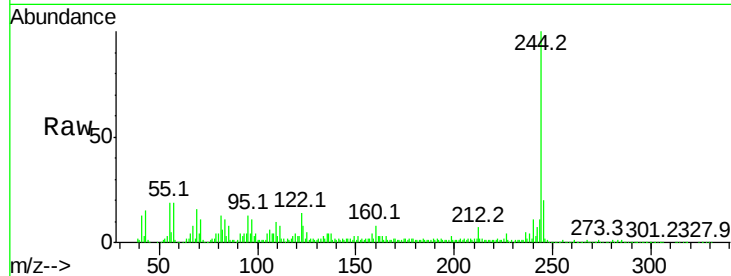
ClientSampleId :

DB-OF-N-S-(WW0-4)DL

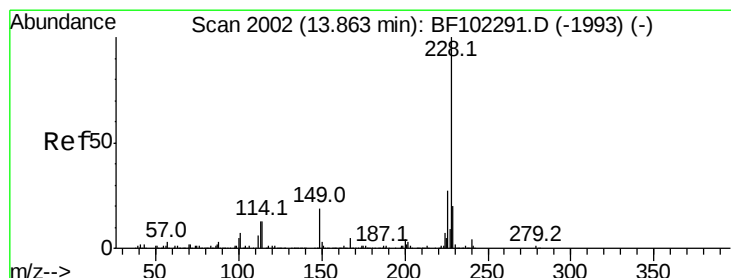
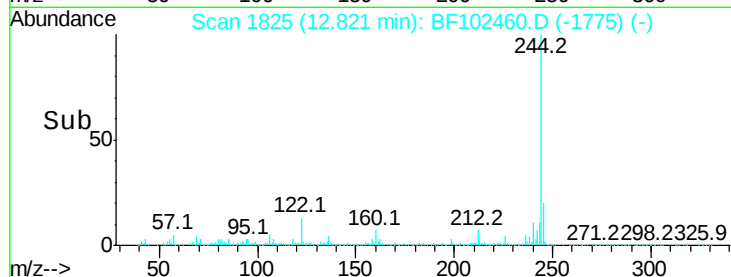
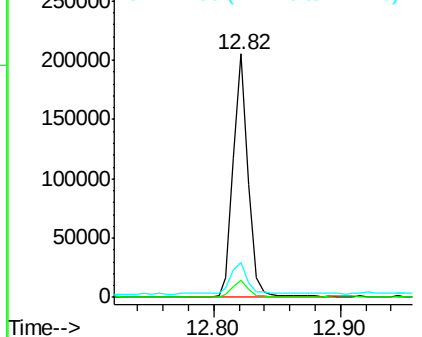
Tot Ion:	244	Resp:	163300
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	14.2	11.0	16.4

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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



#80

Benzo(a)anthracene

Concen: 19.480 ng

RT: 13.87 min Scan# 2004

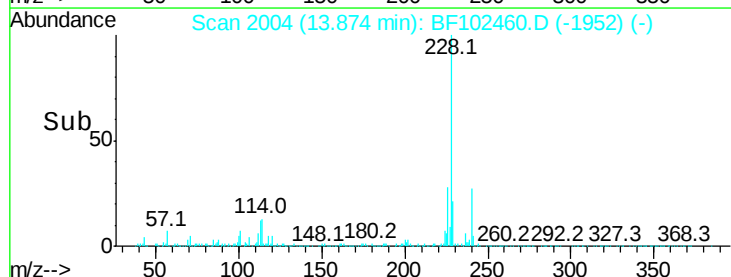
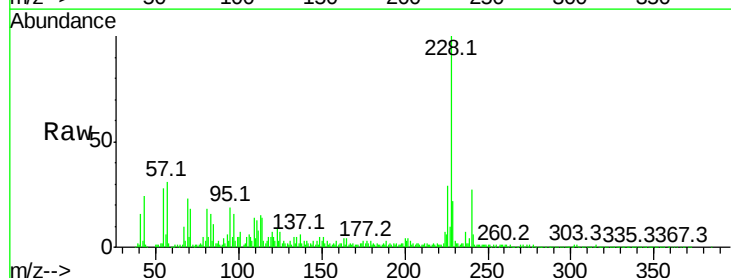
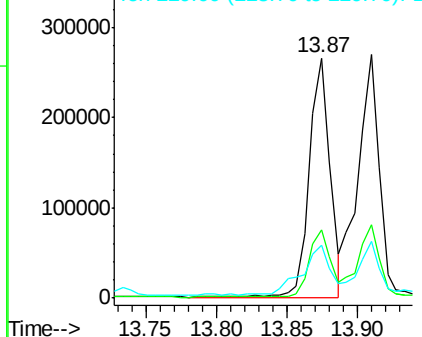
Delta R.T. 0.01 min

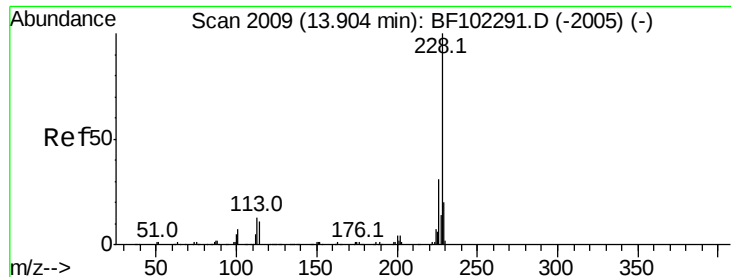
Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Tgt Ion:	228	Resp:	269652
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.6	33.8
229	22.1	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: 20.317 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

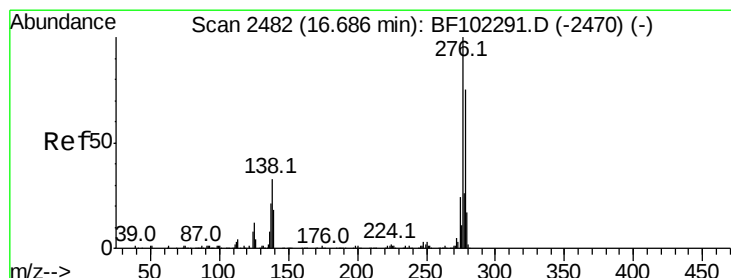
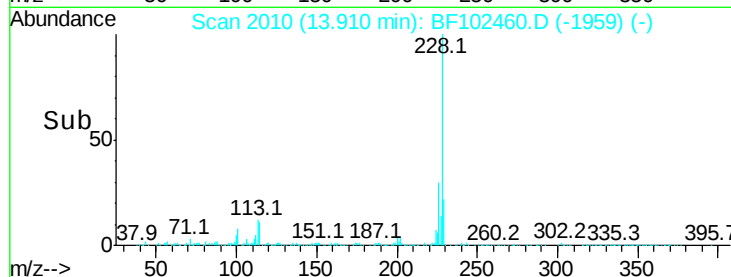
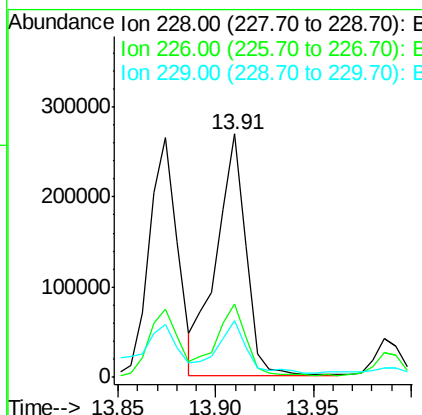
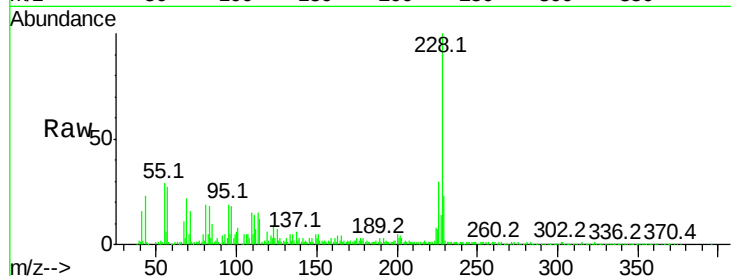
ClientSampleId :

DB-OF-N-S-(WW0-4)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	23.3	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.921 ng

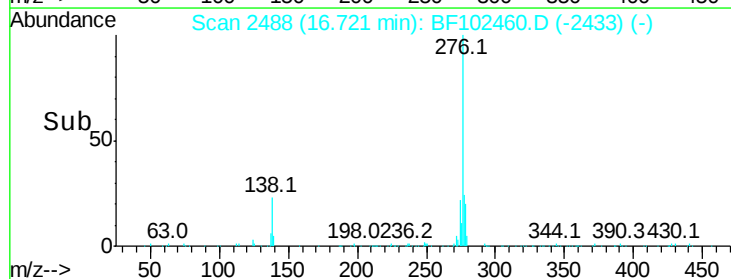
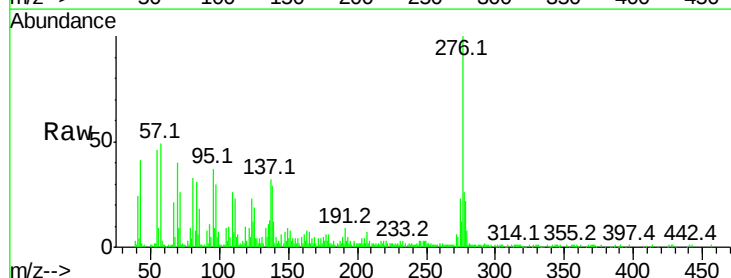
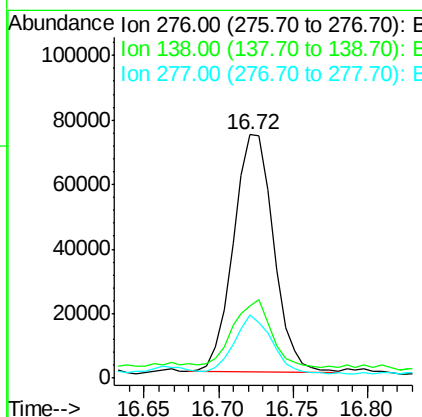
RT: 16.72 min Scan# 2488

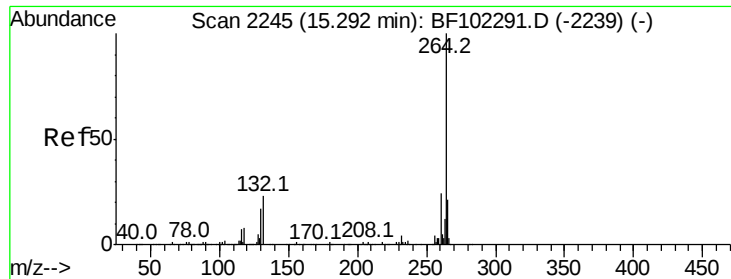
Delta R.T. 0.02 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.5	25.0	37.6
277	23.4	20.1	30.1





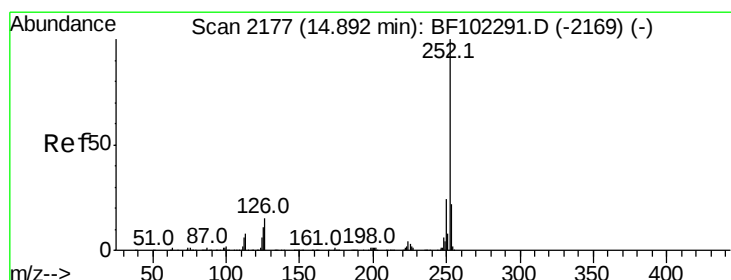
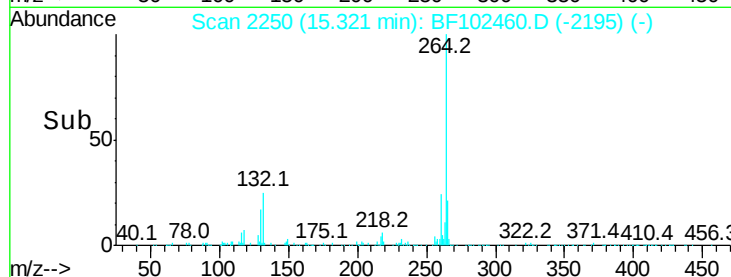
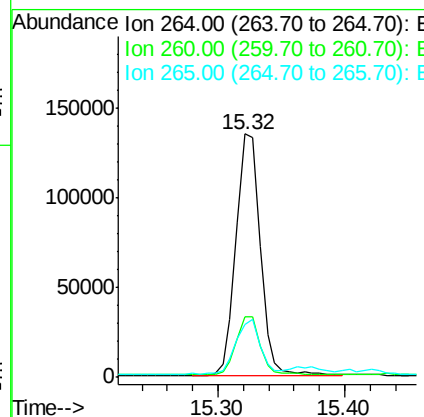
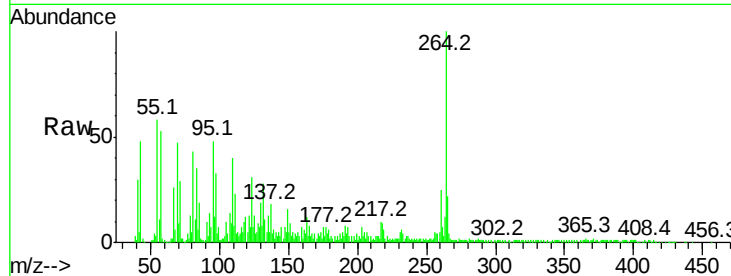
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW0-4)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.0	17.5	26.3

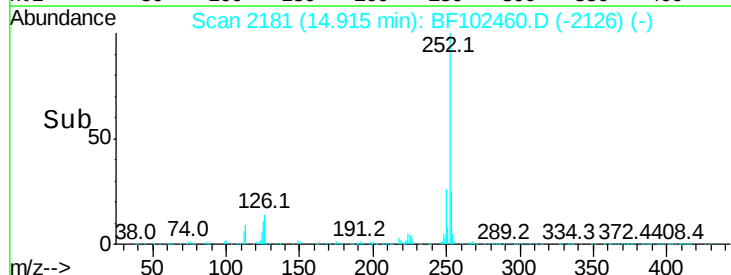
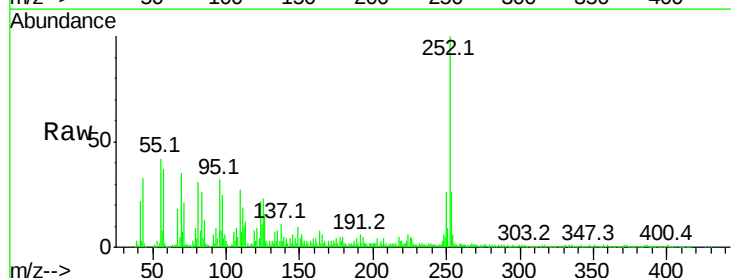
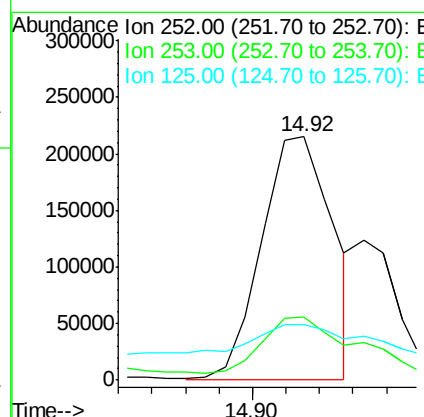
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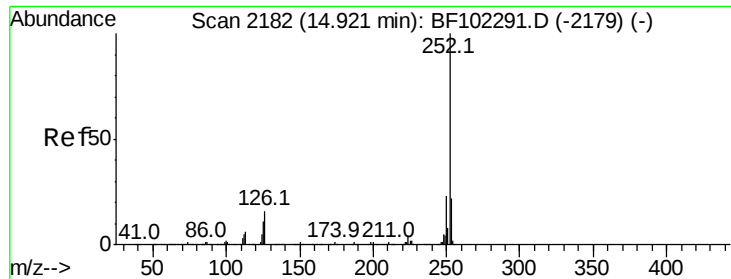
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#87
Benzo(b)fluoranthene
Concen: 27.450 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.0	25.6#
125	22.9	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 9.973 ng

RT: 14.93 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Instrument :

BNA_F

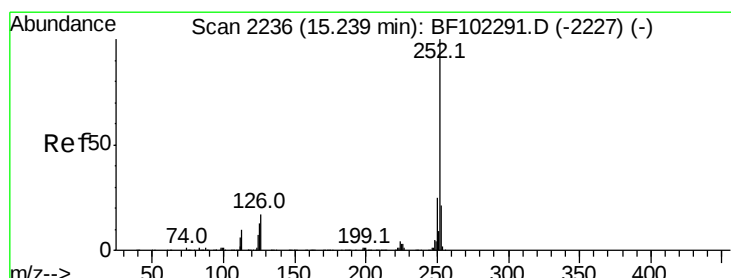
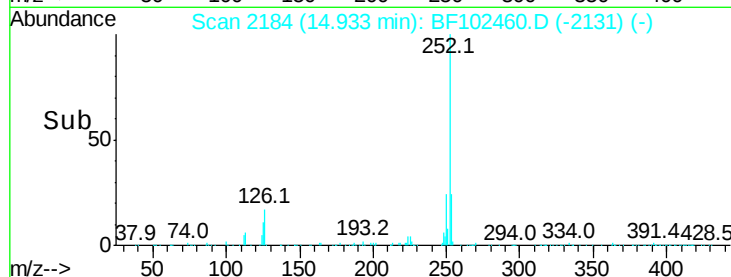
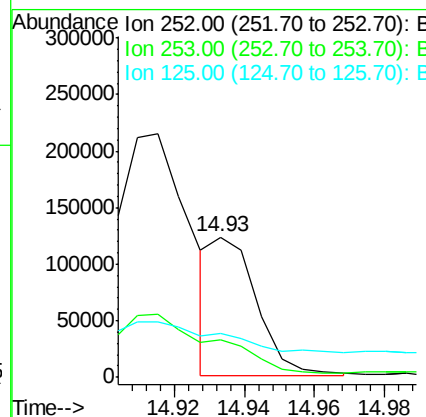
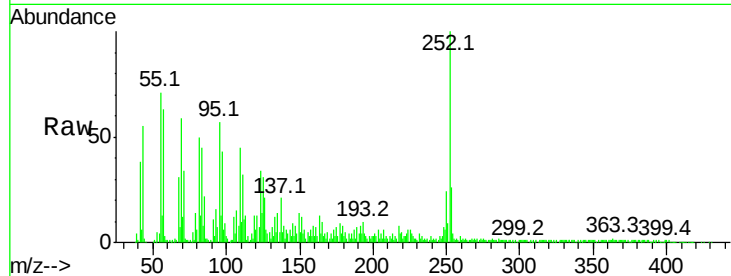
ClientSampleId :

DB-OF-N-S-(WW0-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	31.0	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 20.176 ng

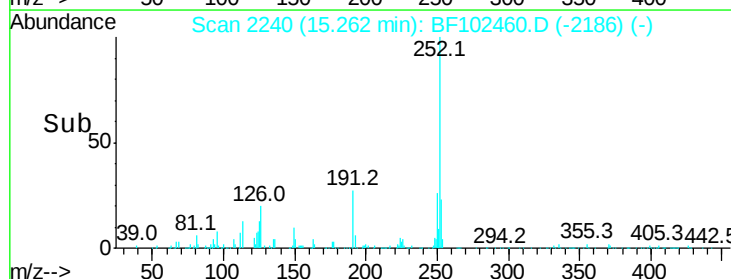
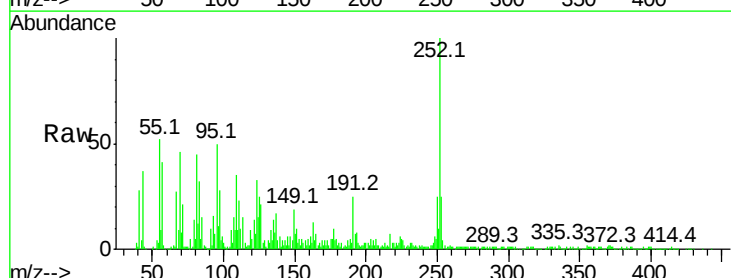
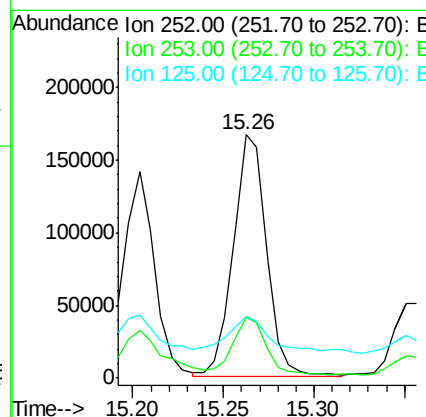
RT: 15.26 min Scan# 2240

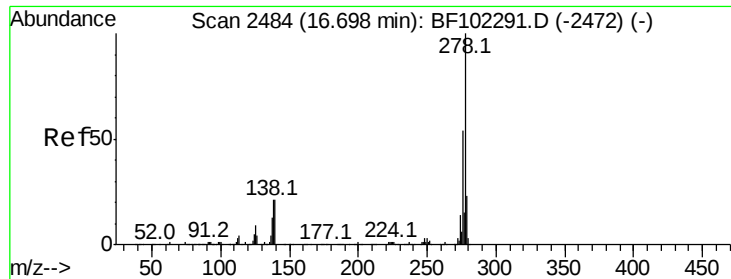
Delta R.T. 0.02 min

Lab File: BF102460.D

Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	25.4	9.8	14.6





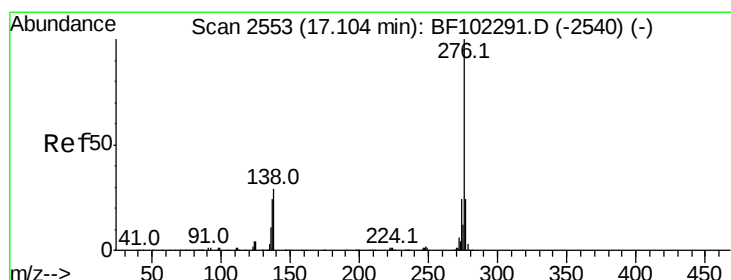
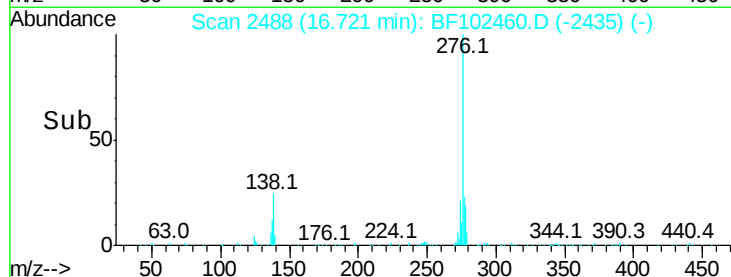
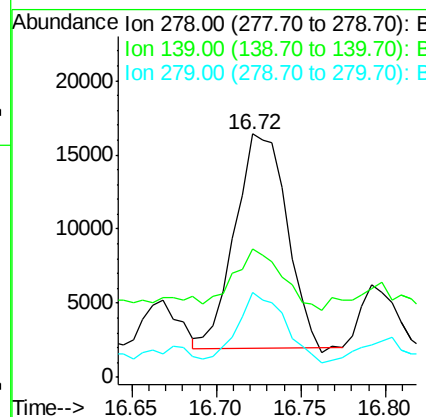
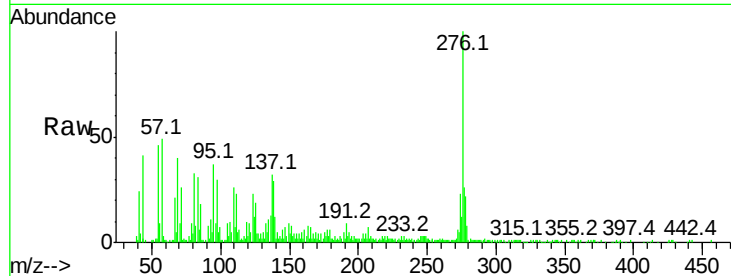
#90
Dibenzo(a,h)anthracene
Concen: 3.625 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW0-4)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	52.9	15.9	23.9#
279	35.1	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 16.945 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.04 min
Lab File: BF102460.D
Acq: 26 Jan 2018 9:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	30.5	21.8	32.8

