

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102545.D
 Acq On : 28 Jan 2018 7:56
 Operator : SJ/JU
 Sample : J1256-05DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

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

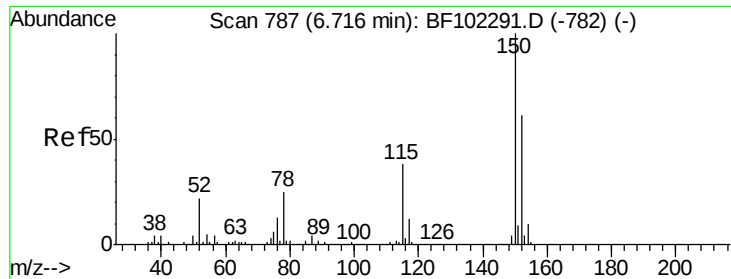
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Quant Time: Jan 29 00:35:24 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	179920	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	686790	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	269622	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	361902	20.00	ng	0.00
75) Chrysene-d12	13.88	240	251606	20.00	ng	0.00
86) Perylene-d12	15.32	264	205424	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	244815	20.63	ng	0.00
7) Phenol-d6	6.36	99	313824	21.94	ng	0.00
23) Nitrobenzene-d5	7.27	82	175425	14.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	39506	14.79	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	331536	18.08	ng	0.00
78) Terphenyl-d14	12.82	244	179367	16.07	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	44618	2.002	ng	98
51) Acenaphthene	9.78	154	48958	2.871	ng	98
57) Fluorene	10.29	166	58778	3.215	ng	98
70) Phenanthrene	11.26	178	524513	24.872	ng	99
71) Anthracene	11.31	178	135861	6.312	ng	99
72) Carbazole	11.47	167	69847	3.326	ng	96
74) Fluoranthene	12.45	202	705530	32.807	ng	99
77) Pyrene	12.68	202	660541	33.955	ng	99
80) Benzo(a)anthracene	13.87	228	308162	19.894	ng	97
82) Chrysene	13.91	228	303155	19.272	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	154756	11.912	ng	95
87) Benzo(b)fluoranthene	14.91	252	383805m	28.826	ng	
88) Benzo(k)fluoranthene	14.93	252	101746m	8.088	ng	
89) Benzo(a)pyrene	15.26	252	237566	19.784	ng	# 88
90) Dibenzo(a,h)anthracene	16.73	278	34690	3.566	ng	# 72
91) Benzo(g,h,i)perylene	17.14	276	161750	16.841	ng	94

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



#1

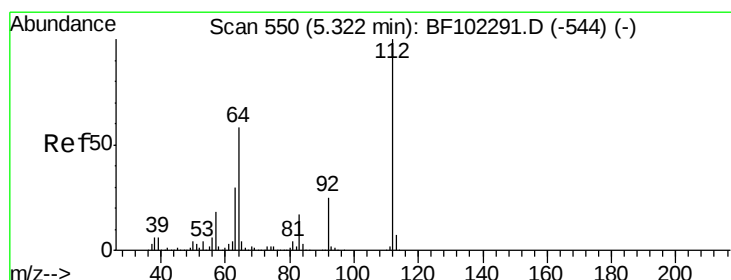
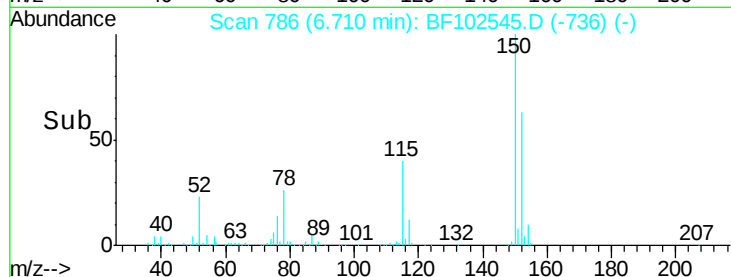
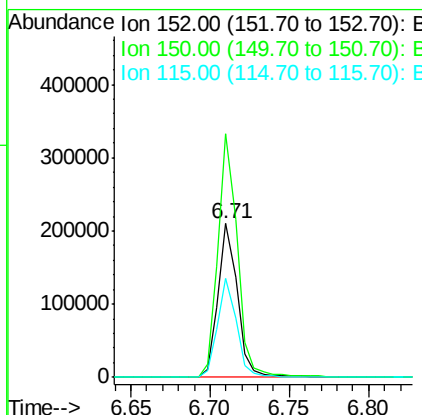
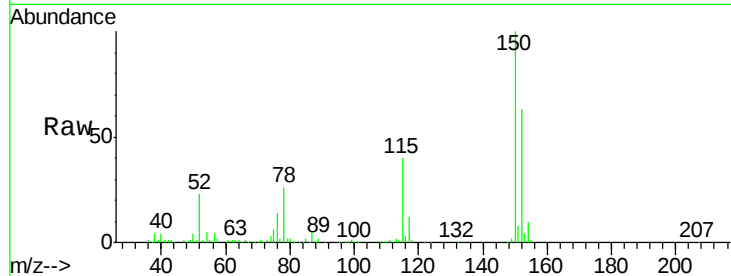
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	64.0	50.1	75.1

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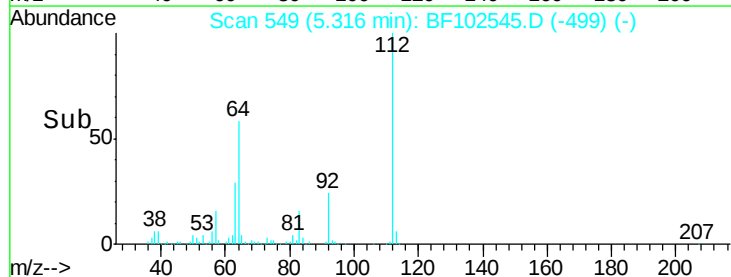
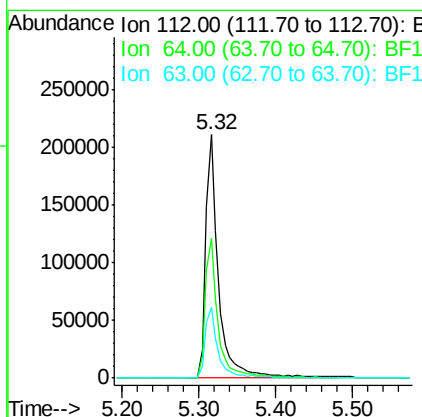
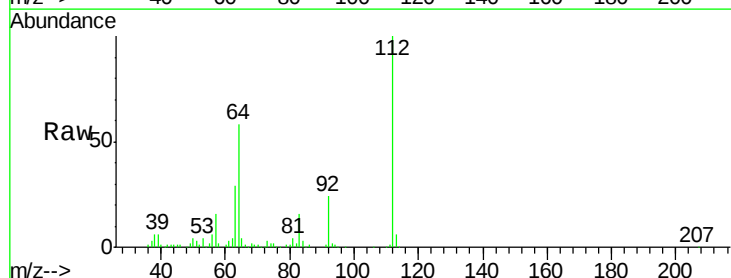
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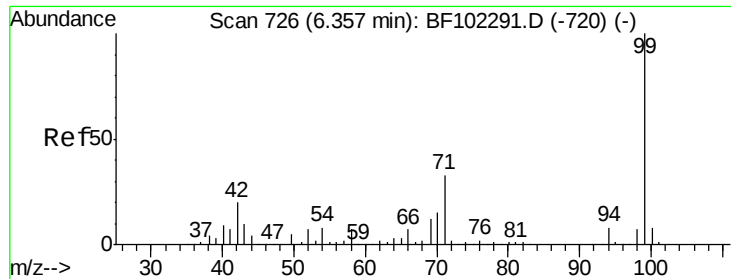


#5

2-Fluorophenol
Concen: 20.632 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 21.937 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102545.D

Acq: 28 Jan 2018 7:56

Instrument :

BNA_F

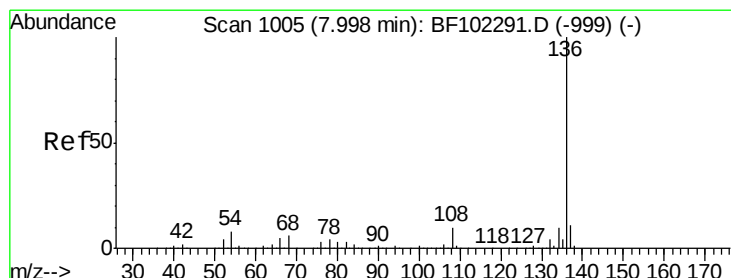
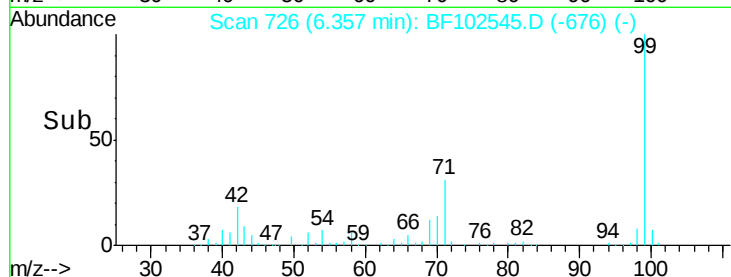
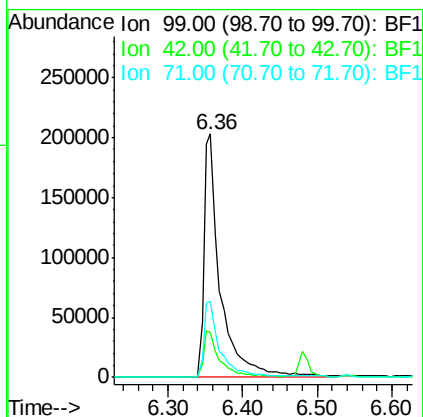
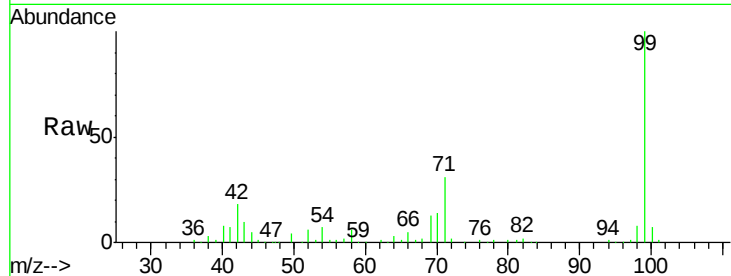
ClientSampleId :

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

Tgt Ion:	99	Resp:	313824
Ion Ratio	Lower	Upper	
99	100		
42	18.4	14.5	21.7
71	31.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

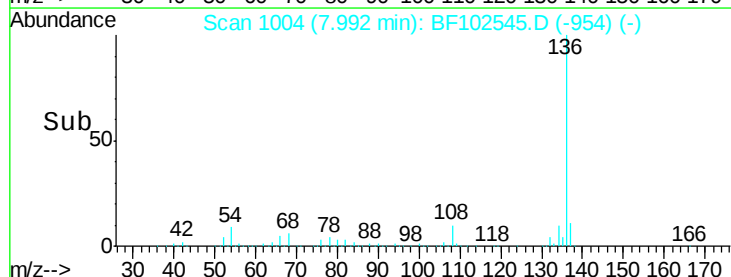
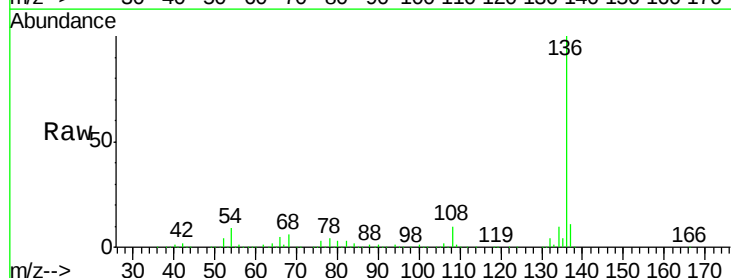
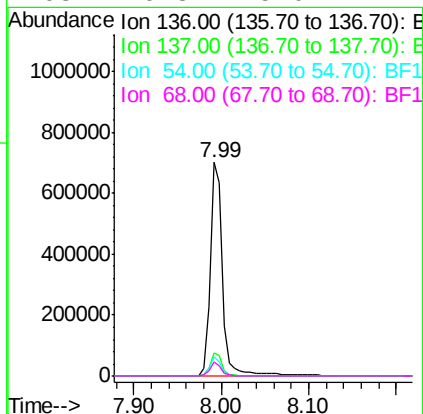
RT: 7.99 min Scan# 1004

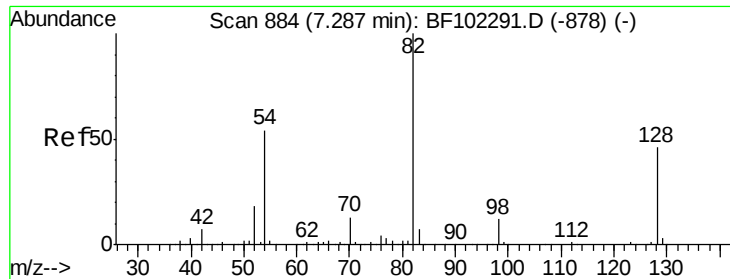
Delta R.T. -0.01 min

Lab File: BF102545.D

Acq: 28 Jan 2018 7:56

Tgt Ion:	136	Resp:	686790
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.1	6.6	9.8
68	6.3	5.0	7.4





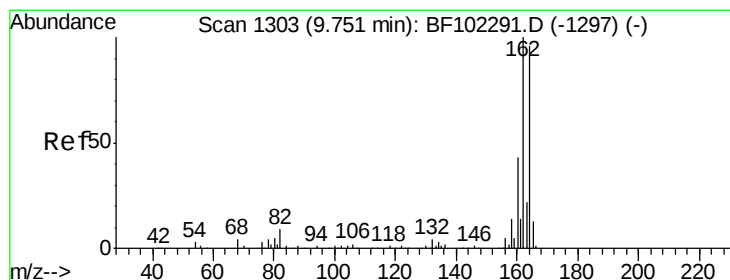
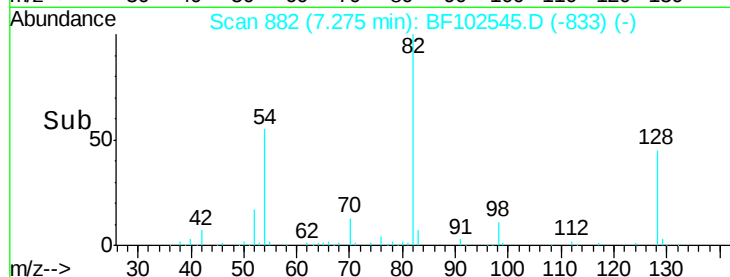
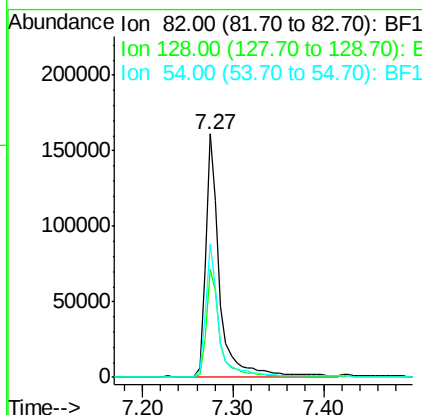
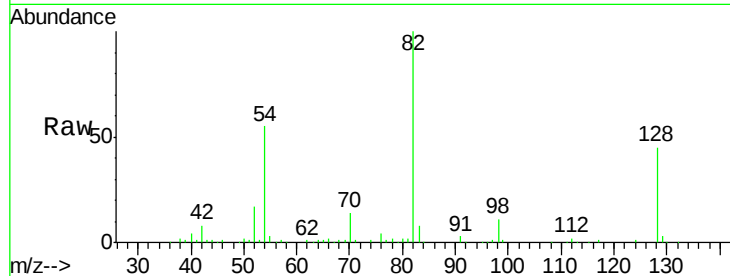
#23
 Nitrobenzene-d5
 Concen: 14.679 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF102545.D
 Acq: 28 Jan 2018 7:56

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	175425		
128	44.5	36.1	54.1	
54	55.1	41.4	62.2	

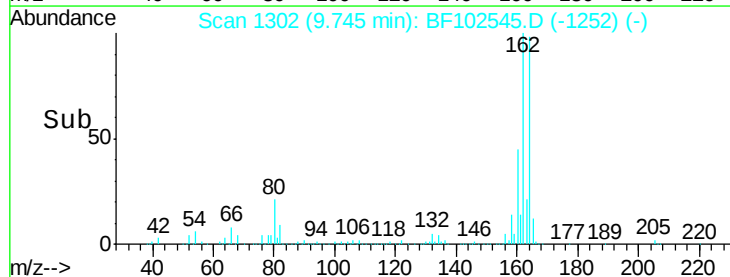
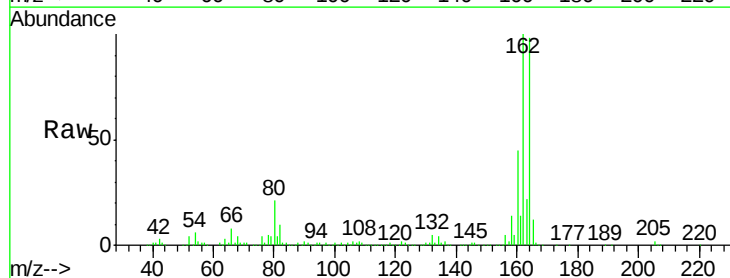
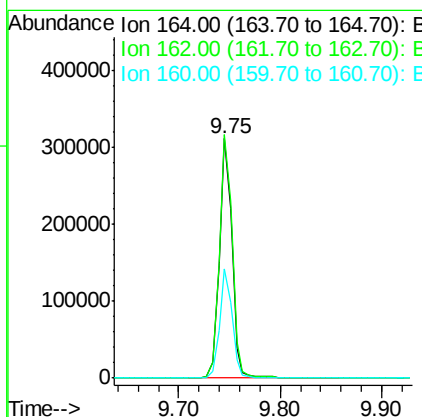
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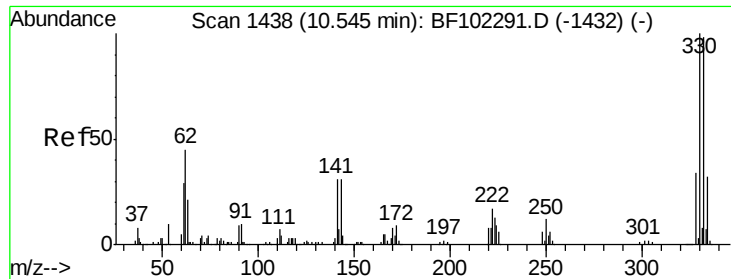
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102545.D
 Acq: 28 Jan 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	269622		
162	101.6	86.1	129.1	
160	45.8	38.3	57.5	





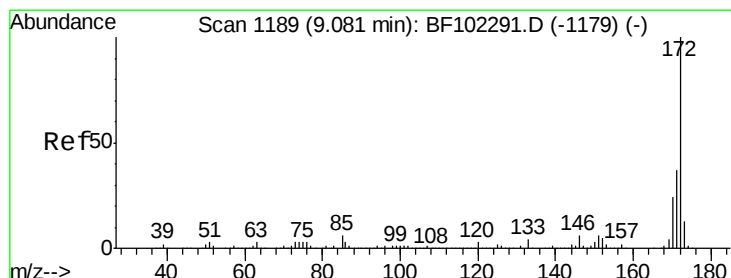
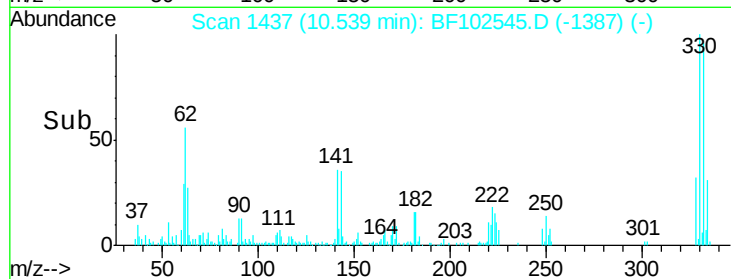
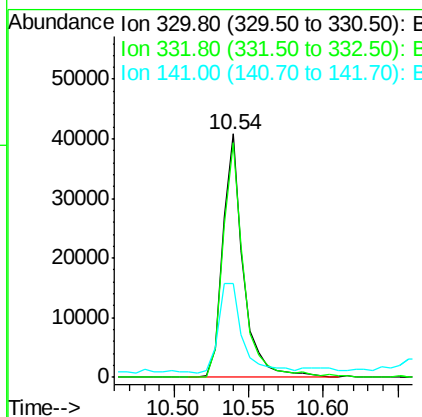
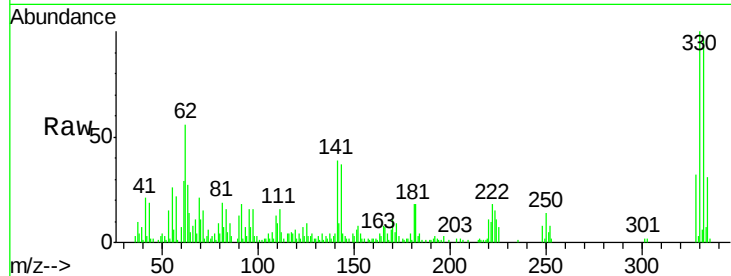
#41
 2,4,6-Tribromophenol
 Concen: 14.788 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102545.D
 Acq: 28 Jan 2018 7:56

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	39506		
332	98.8	77.0	115.6	
141	44.3	29.9	44.9	

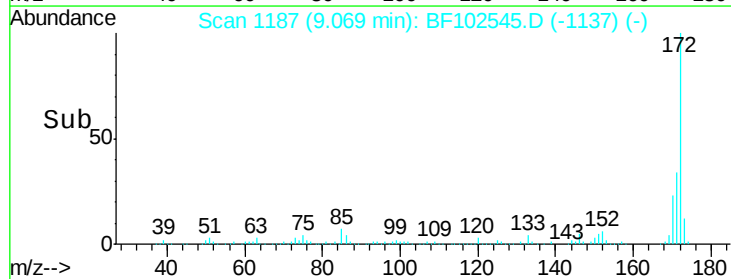
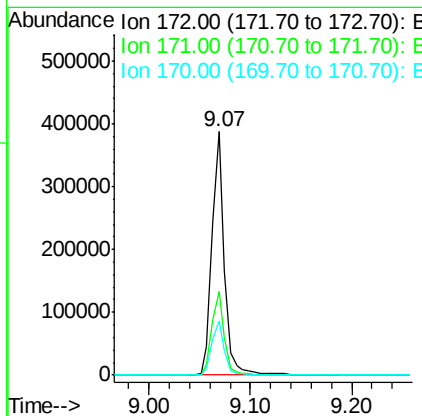
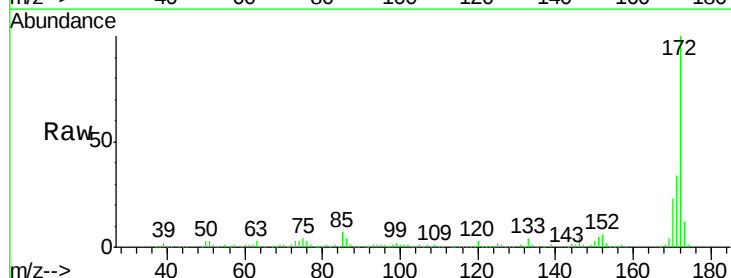
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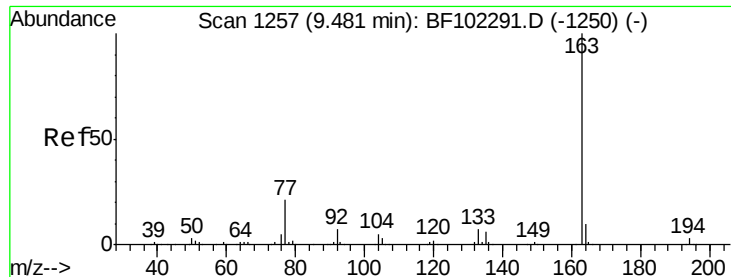
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#44
 2-Fluorobiphenyl
 Concen: 18.080 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102545.D
 Acq: 28 Jan 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	331536		
171	34.4	29.7	44.5	
170	22.5	19.6	29.4	





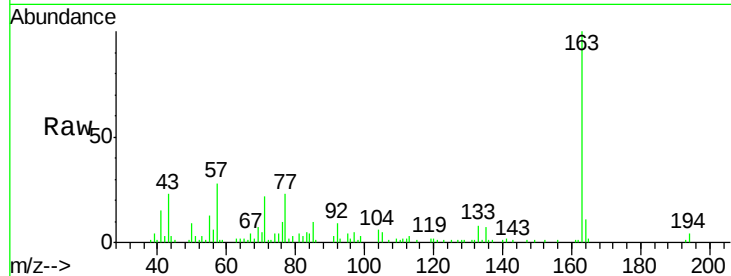
#49
Dimethylphthalate
Concen: 2.002 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

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

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	44618		
194	4.0	2.7	4.1	
164	11.1	8.2	12.2	

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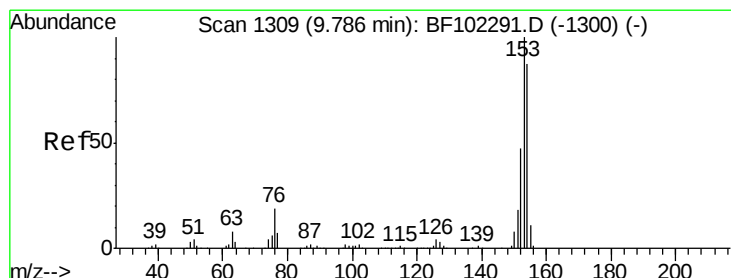
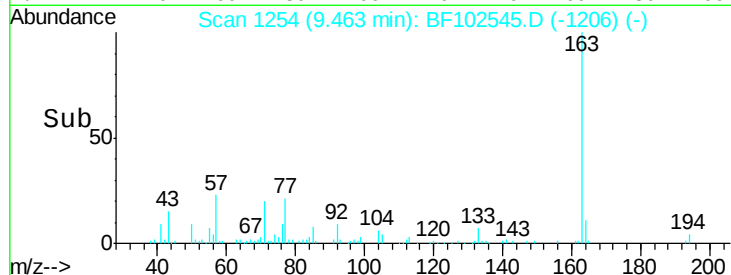
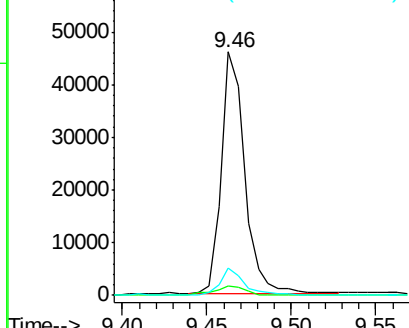


Abundance

Ion 163.00 (162.70 to 163.70): E

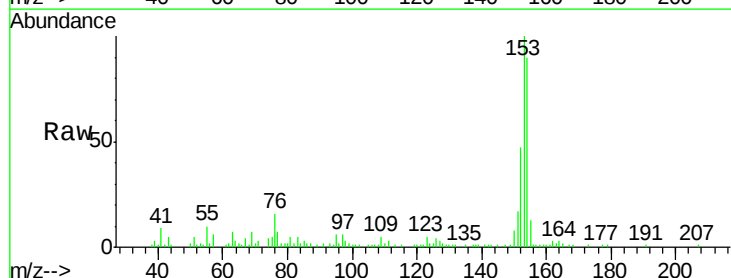
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 2.871 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48958		
153	111.5	91.2	136.8	
152	52.8	43.8	65.8	

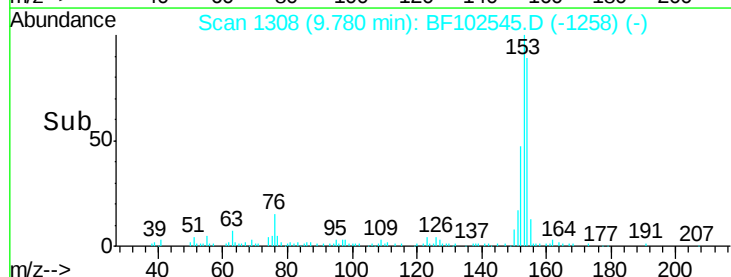
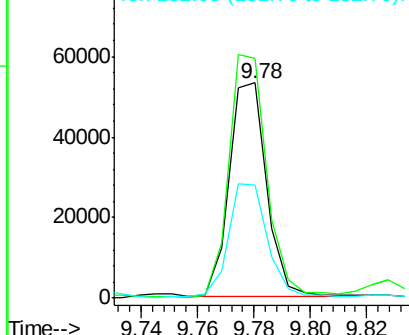


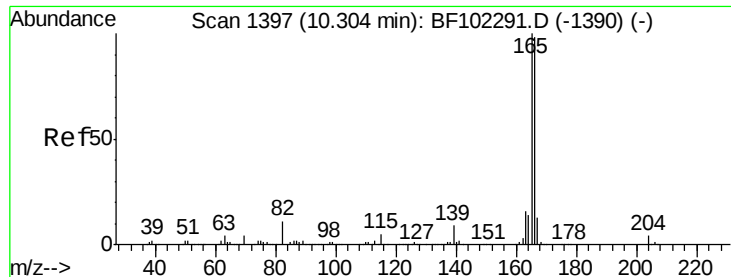
Abundance

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





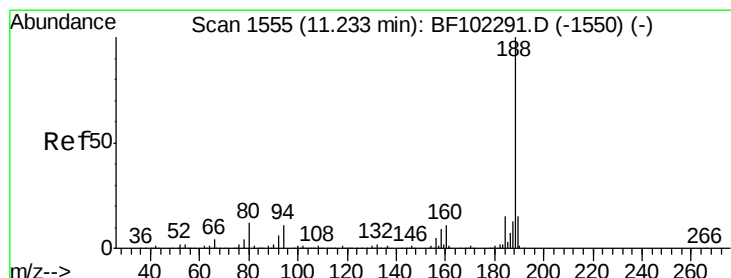
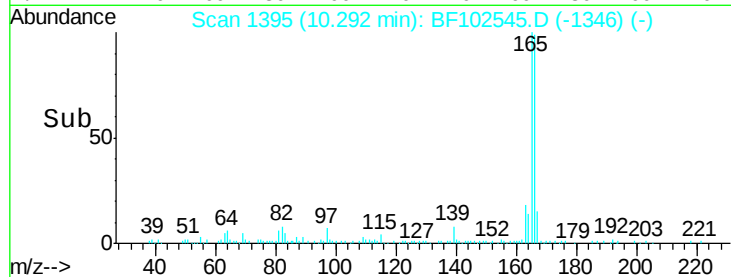
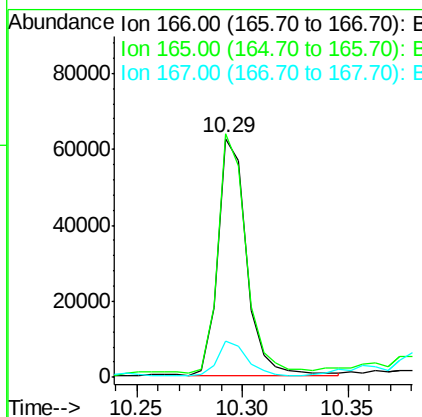
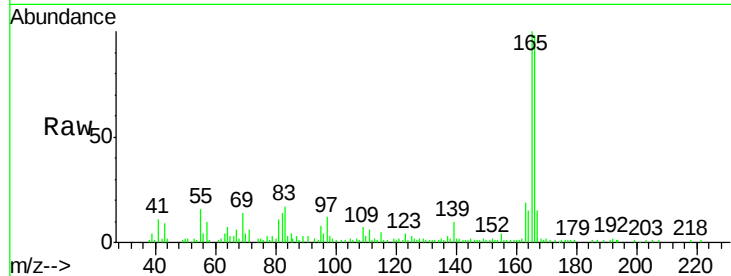
#57
Fluorene
 Concen: 3.215 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF102545.D
 Acq: 28 Jan 2018 7:56

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

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	58778		
165	101.9	79.8	119.8	
167	15.4	10.6	16.0	

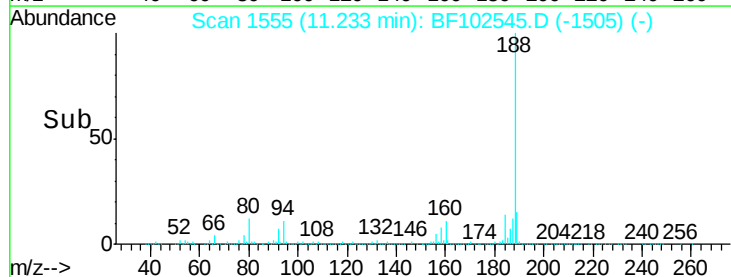
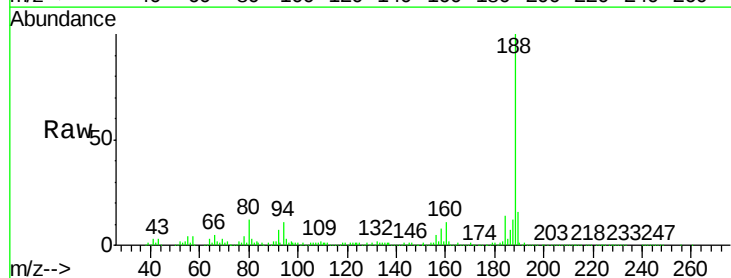
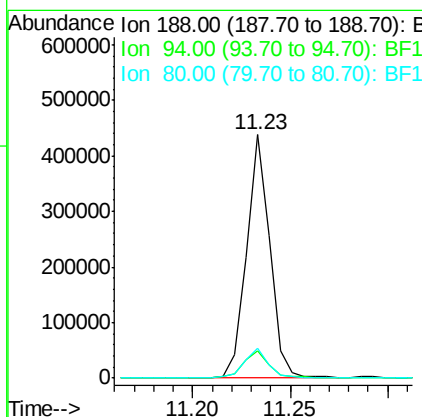
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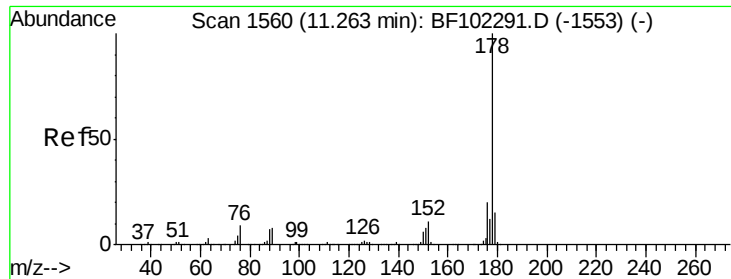
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102545.D
 Acq: 28 Jan 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	361902		
94	11.3	8.5	12.7	
80	12.1	9.2	13.8	





#70

Phenanthrene

Concen: 24.872 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102545.D

Acq: 28 Jan 2018 7:56

Instrument :

BNA_F

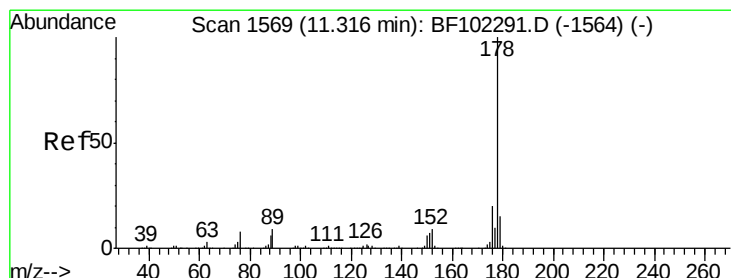
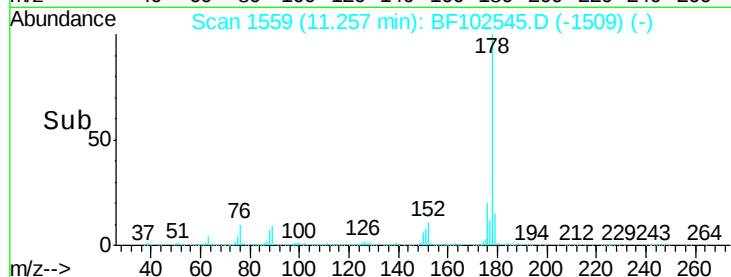
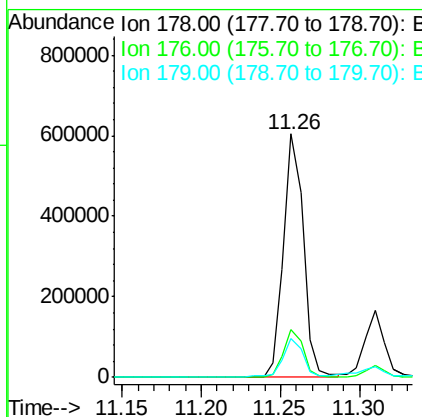
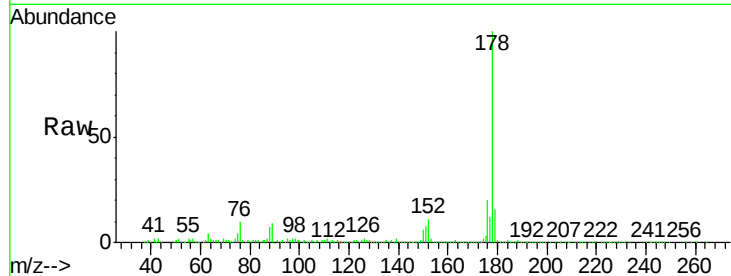
ClientSampleId :

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

Tgt Ion:	178	Resp:	524513
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	15.7	13.0	19.6

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#71

Anthracene

Concen: 6.312 ng

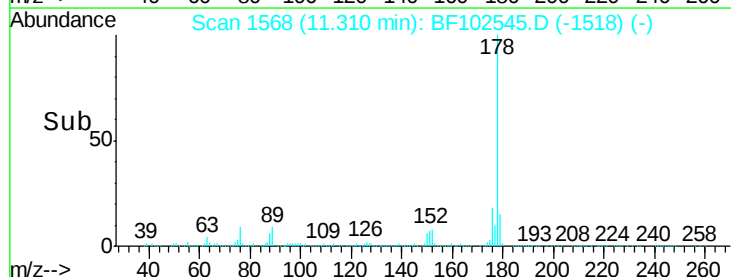
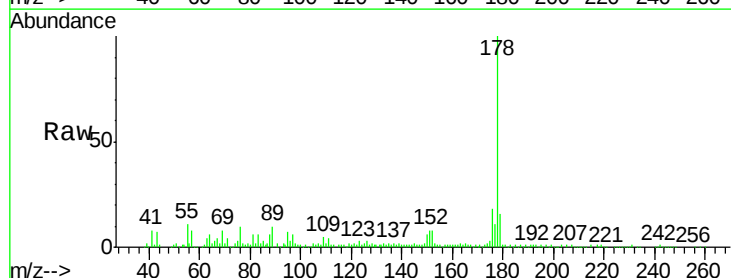
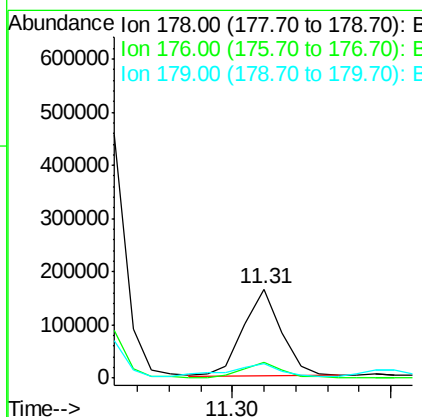
RT: 11.31 min Scan# 1568

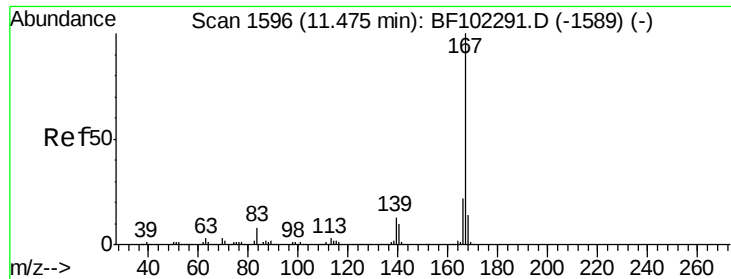
Delta R.T. -0.01 min

Lab File: BF102545.D

Acq: 28 Jan 2018 7:56

Tgt Ion:	178	Resp:	135861
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.2
179	15.8	12.6	19.0





#72

Carbazole

Concen: 3.326 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF102545.D

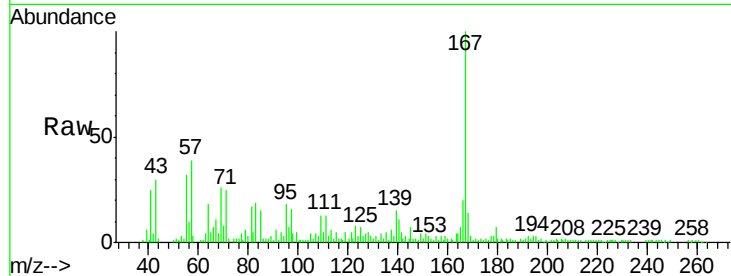
Acq: 28 Jan 2018 7:56

Instrument :

BNA_F

ClientSampleId :

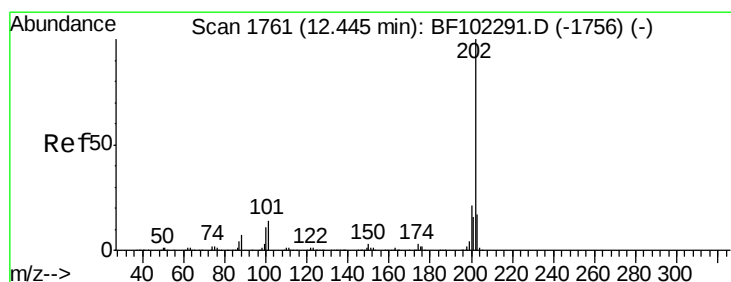
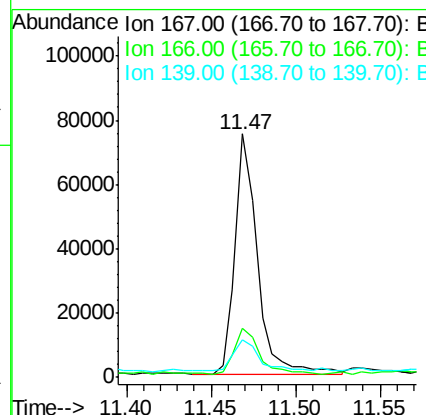
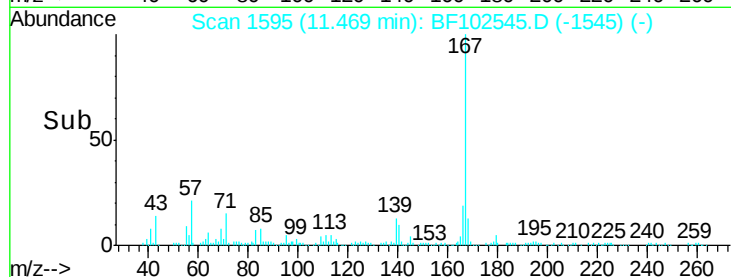
DB-OF-N-S-(WW0-4)DL



Tgt Ion	Ratio	Resp	Lower	Upper
167	100	69847		
166	20.3	17.6	26.4	
139	15.2	10.9	16.3	

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#74

Fluoranthene

Concen: 32.807 ng

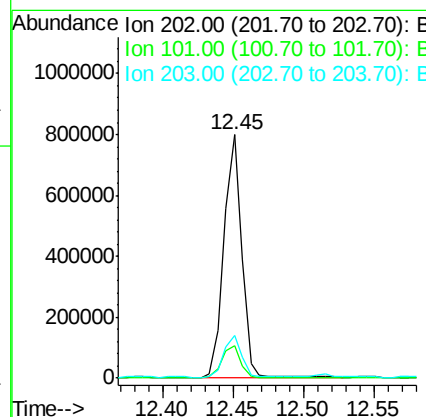
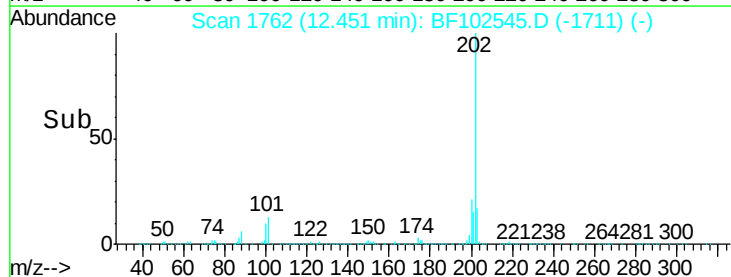
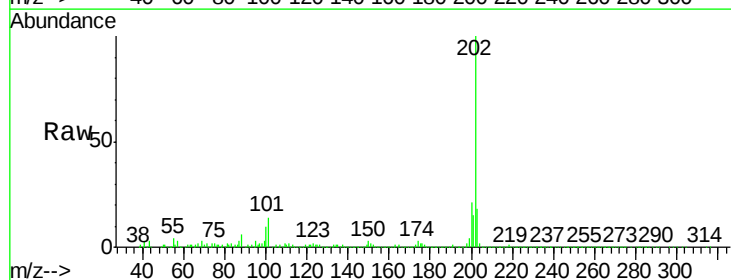
RT: 12.45 min Scan# 1762

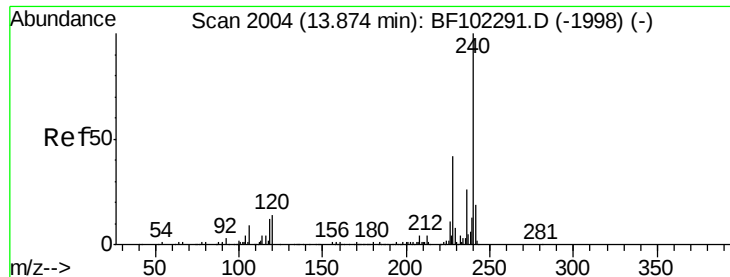
Delta R.T. -0.00 min

Lab File: BF102545.D

Acq: 28 Jan 2018 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	705530		
101	13.6	0.0	34.1	
203	17.7	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102545.D

Acq: 28 Jan 2018 7:56

Instrument :

BNA_F

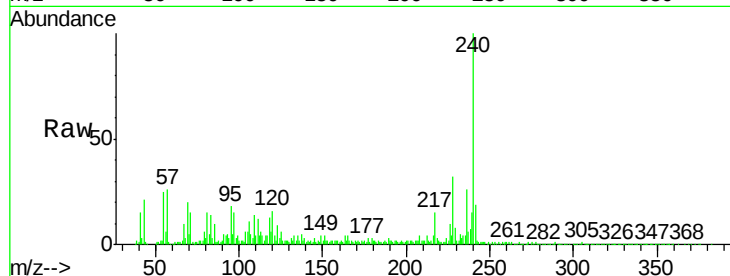
ClientSampleId :

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	15.7	9.5	14.3#
236	26.1	20.7	31.1

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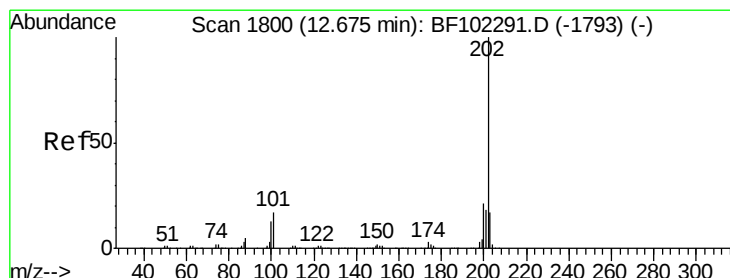
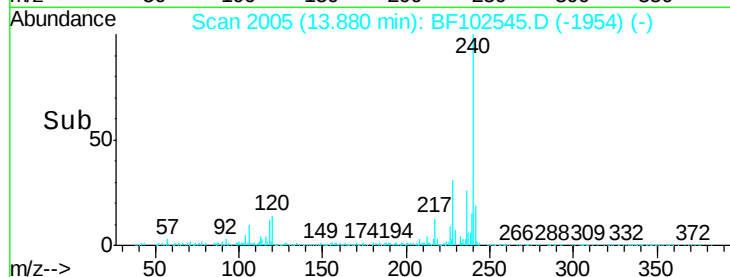
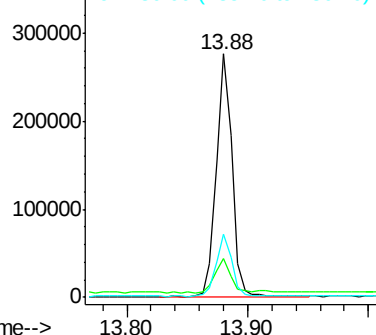
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 33.955 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102545.D

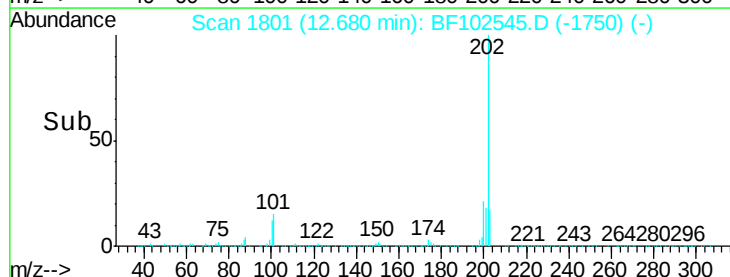
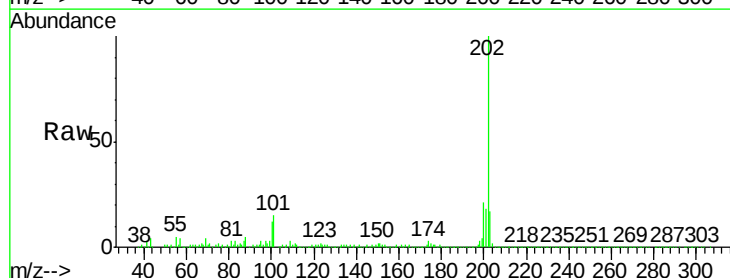
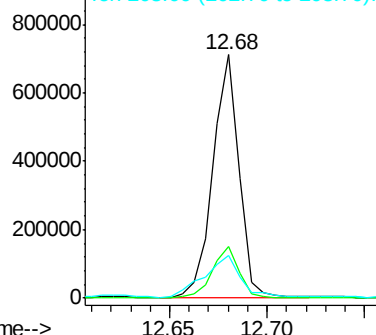
Acq: 28 Jan 2018 7:56

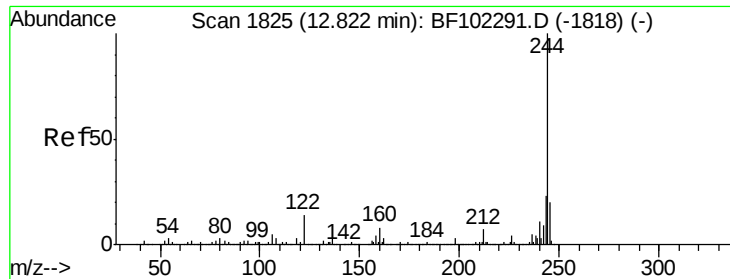
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	17.4	26.2
203	17.5	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.071 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102545.D

Acq: 28 Jan 2018 7:56

Instrument :

BNA_F

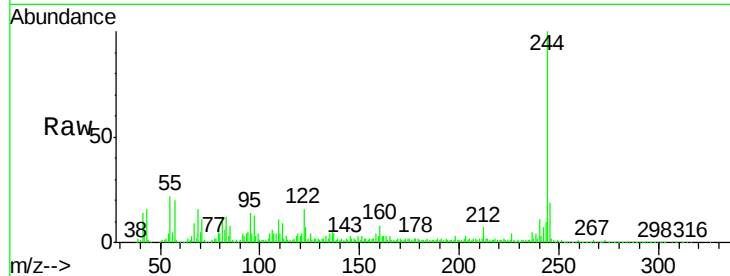
ClientSampleId :

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

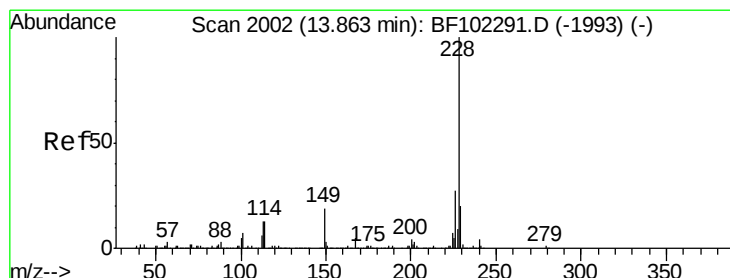
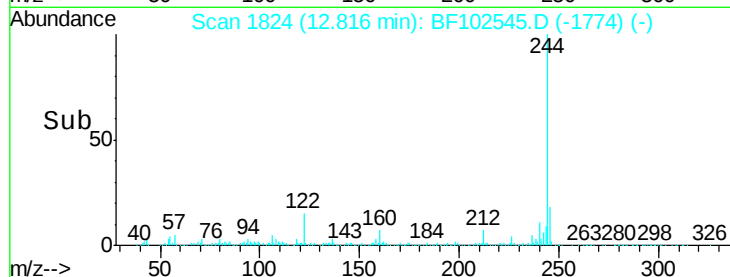
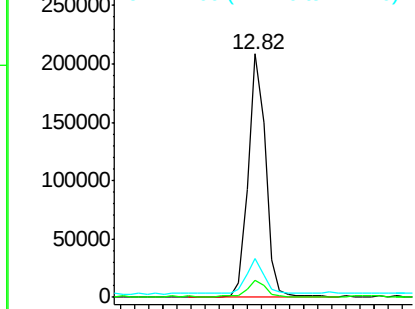
Tgt Ion:	244	Resp:	179367
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.8	11.0	16.4

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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: 19.894 ng

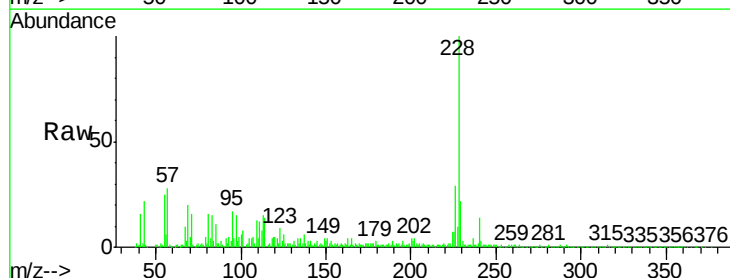
RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

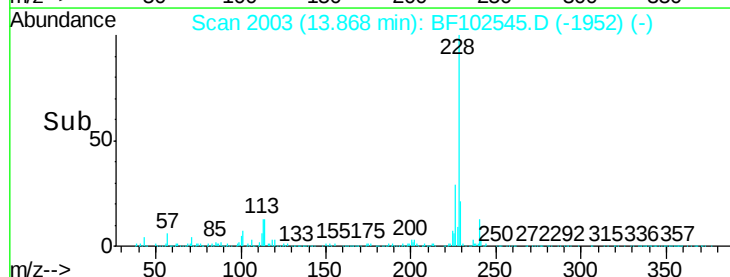
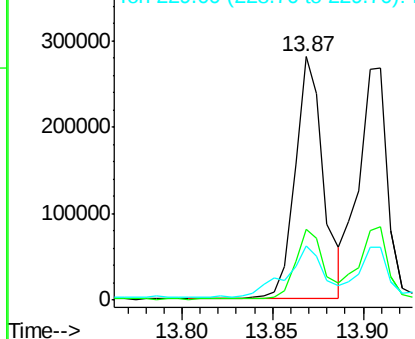
Lab File: BF102545.D

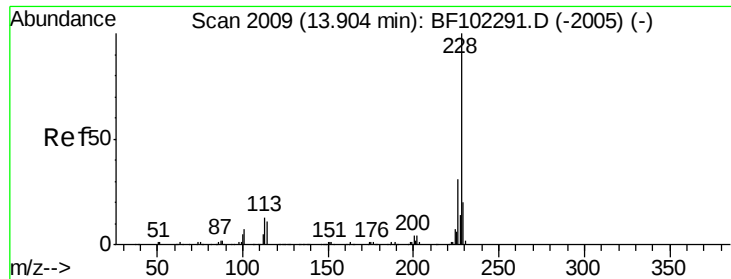
Acq: 28 Jan 2018 7:56

Tgt Ion:	228	Resp:	308162
Ion Ratio		Lower	Upper
228	100		
226	29.2	22.6	33.8
229	22.3	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: 19.272 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF102545.D

Acq: 28 Jan 2018 7:56

Instrument :

BNA_F

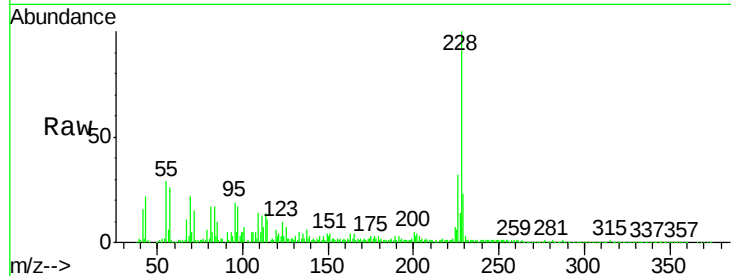
ClientSampleId :

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

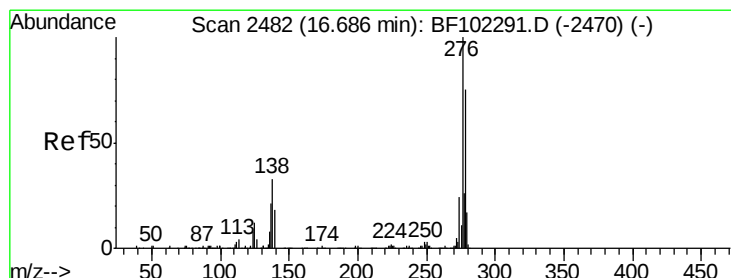
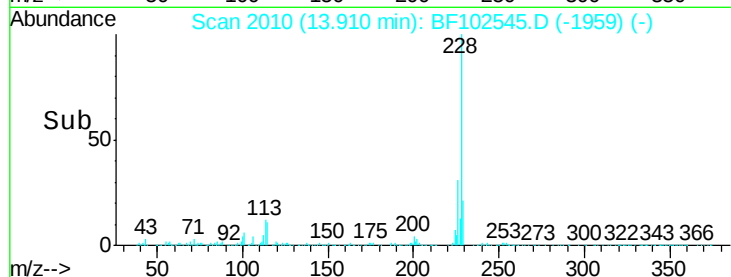
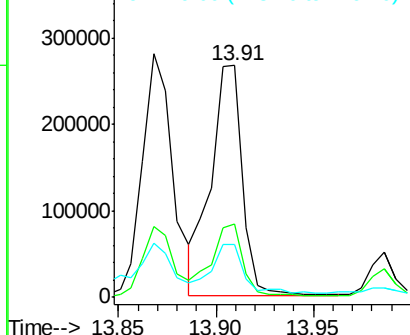
Tgt Ion:	228	Resp:	303155
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.0	37.6
229	22.8	16.2	24.4

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.912 ng

RT: 16.73 min Scan# 2489

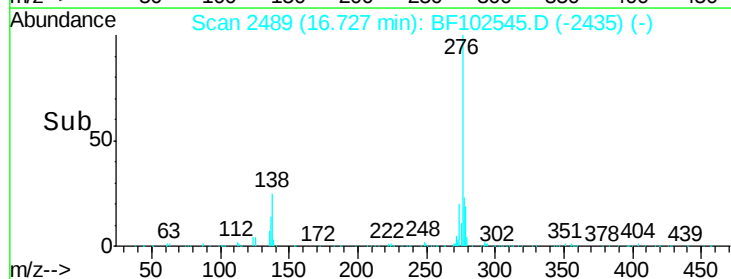
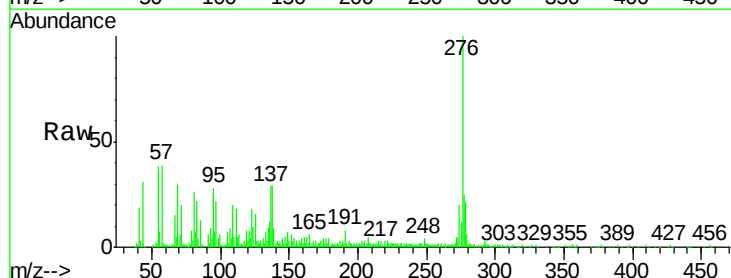
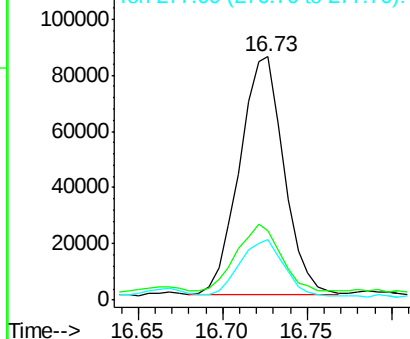
Delta R.T. 0.02 min

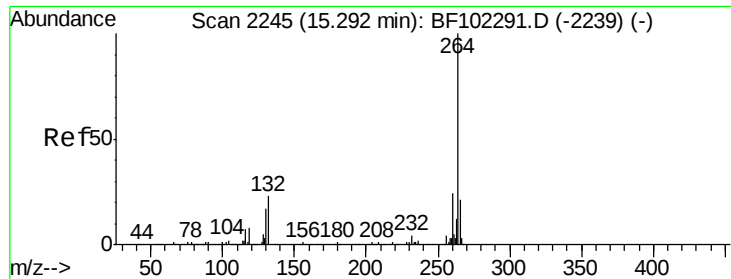
Lab File: BF102545.D

Acq: 28 Jan 2018 7:56

Tgt Ion:	276	Resp:	154756
Ion Ratio	Lower	Upper	
276	100		
138	28.0	25.0	37.6
277	23.5	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





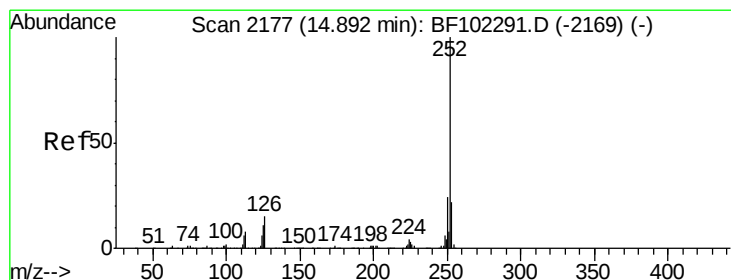
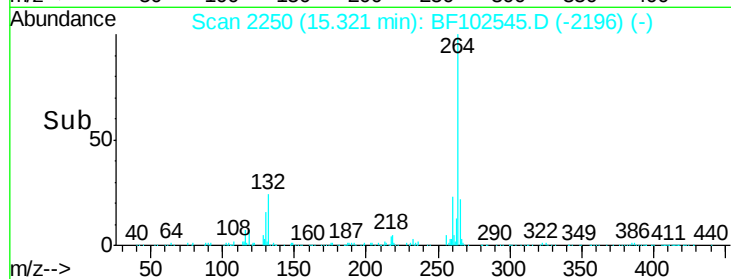
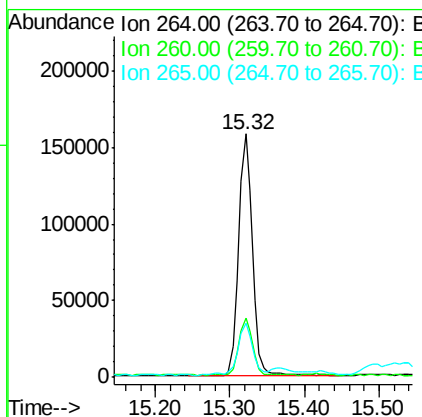
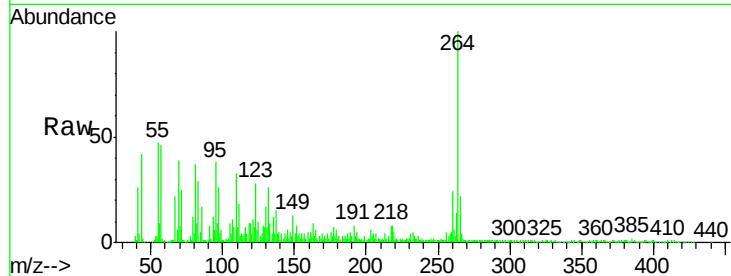
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.4	17.5	26.3

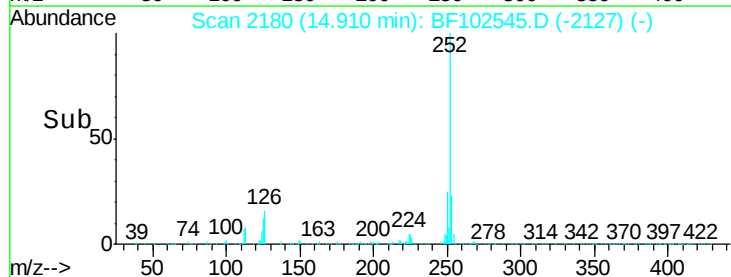
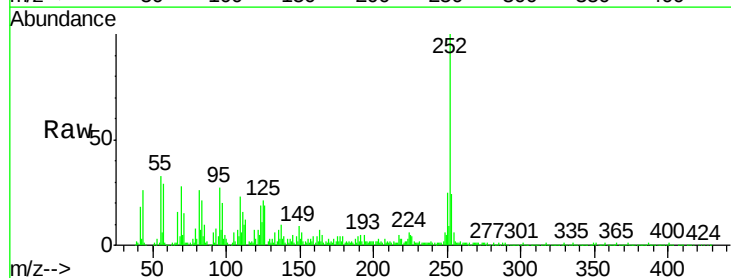
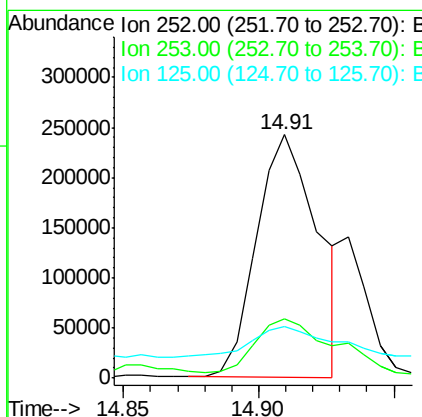
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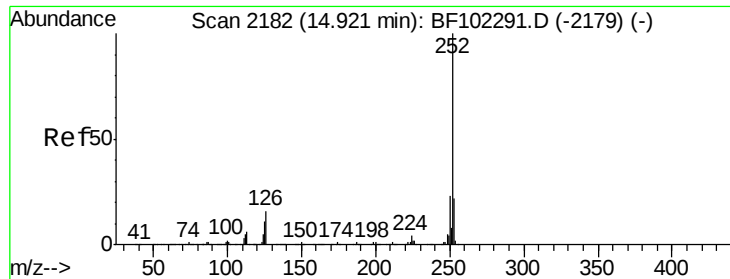
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#87
Benzo(b)fluoranthene
Concen: 28.826 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	21.3	9.0	13.6#





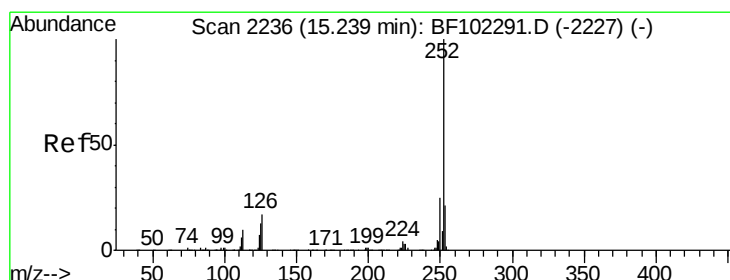
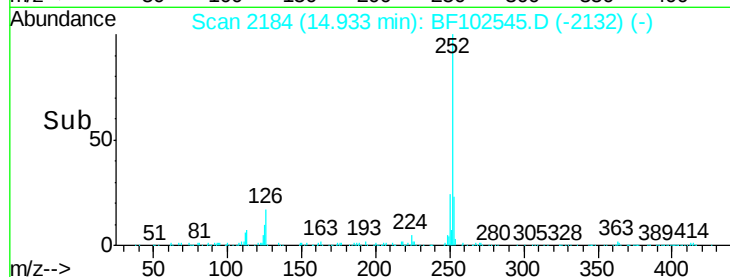
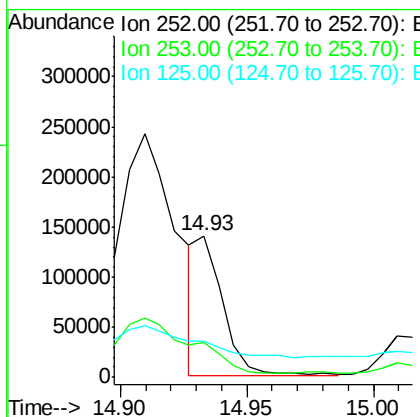
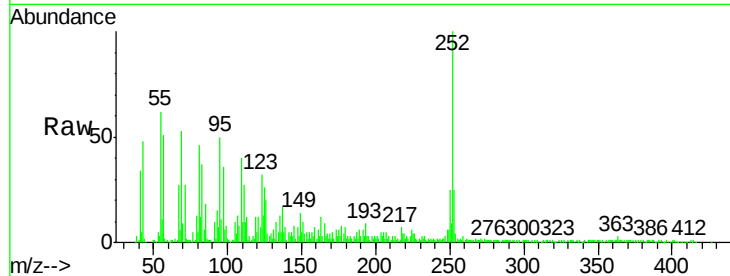
#88
Benzo(k)fluoranthene
Concen: 8.088 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	25.9	10.2	15.2

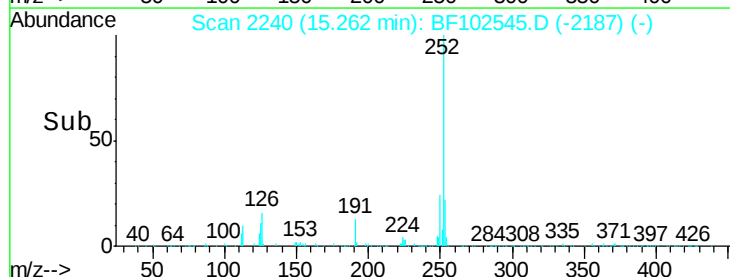
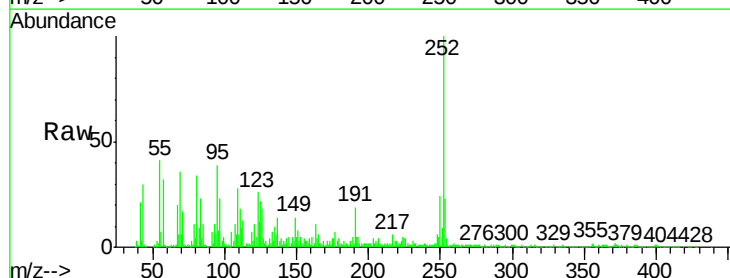
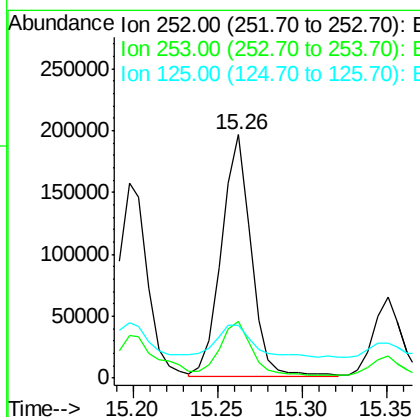
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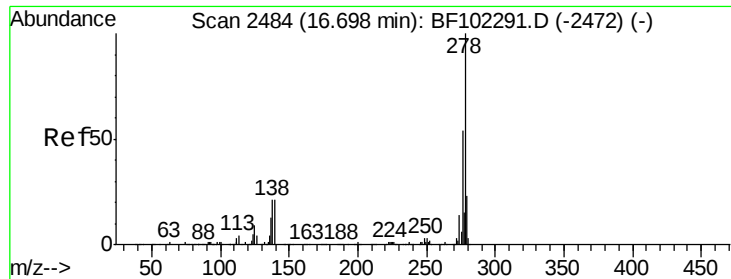
Sohil
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#89
Benzo(a)pyrene
Concen: 19.784 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	21.9	9.8	14.6





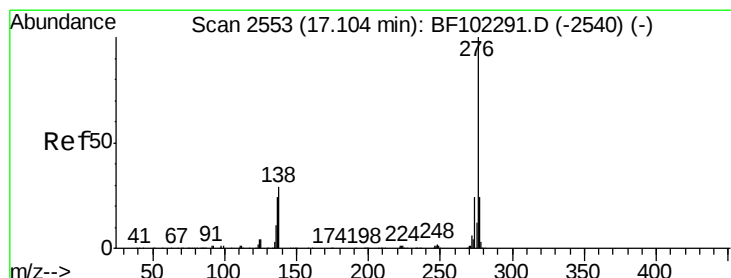
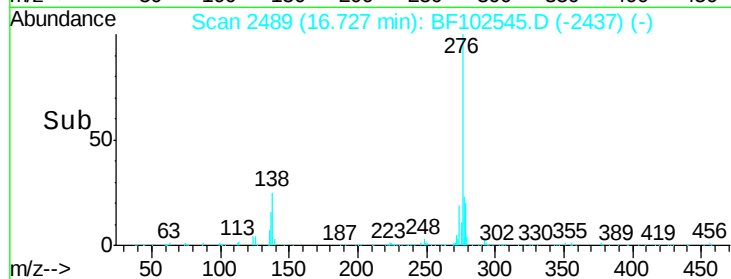
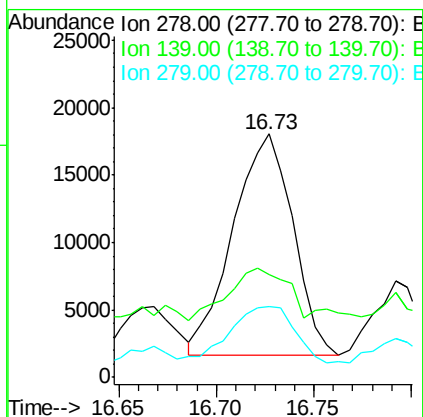
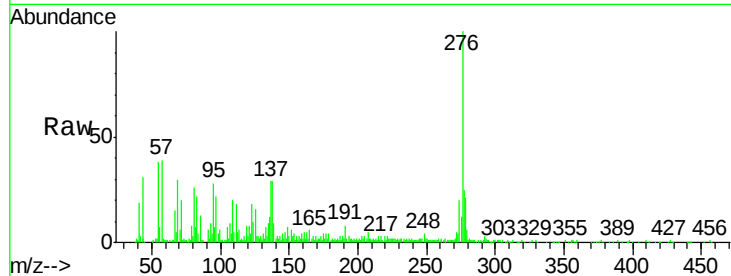
#90
Dibenzo(a,h)anthracene
Concen: 3.566 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.5	15.9	23.9#
279	28.8	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 16.841 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.01 min
Lab File: BF102545.D
Acq: 28 Jan 2018 7:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	32.5	21.8	32.8

