

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102459.D
 Acq On : 26 Jan 2018 8:48
 Operator : SJ/JU
 Sample : J1256-07DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(EW0-4)DL

Manual Integrations
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Sohil
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Quant Time: Jan 26 12:20:31 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	124992	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	490126	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	181966	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	280857	20.00	ng	0.00
75) Chrysene-d12	13.89	240	192671	20.00	ng	0.01
86) Perylene-d12	15.34	264	154037	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	171216	20.77	ng	0.00
7) Phenol-d6	6.35	99	201999	20.33	ng	-0.02
23) Nitrobenzene-d5	7.28	82	110927	13.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	29747	16.50	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	215820	17.44	ng	-0.01
78) Terphenyl-d14	12.82	244	149197	17.46	ng	0.00
Target Compounds						
31) Naphthalene	8.02	128	119926	4.901	ng	99
37) 2-Methylnaphthalene	8.71	142	42428	2.603	ng	99
49) Dimethylphthalate	9.47	163	37515	2.494	ng	# 96
51) Acenaphthene	9.78	154	83533	7.259	ng	98
54) Dibenzofuran	9.96	168	68849	4.421	ng	98
57) Fluorene	10.30	166	95794	7.763	ng	96
70) Phenanthrene	11.26	178	735372	44.933	ng	100
71) Anthracene	11.31	178	208196	12.463	ng	98
72) Carbazole	11.47	167	107060	6.569	ng	98
74) Fluoranthene	12.46	202	779778	46.723	ng	99
77) Pyrene	12.69	202	692420	46.482	ng	99
80) Benzo(a)anthracene	13.88	228	292235	24.636	ng	98
82) Chrysene	13.92	228	259162	21.515	ng	97
85) Indeno(1,2,3-cd)pyrene	16.74	276	108727	10.929	ng	96
87) Benzo(b)fluoranthene	14.93	252	251971m	25.238	ng	
88) Benzo(k)fluoranthene	14.94	252	104224m	11.049	ng	
89) Benzo(a)pyrene	15.28	252	174911	19.425	ng	# 71
91) Benzo(g,h,i)perylene	17.17	276	103618	14.387	ng	# 87

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

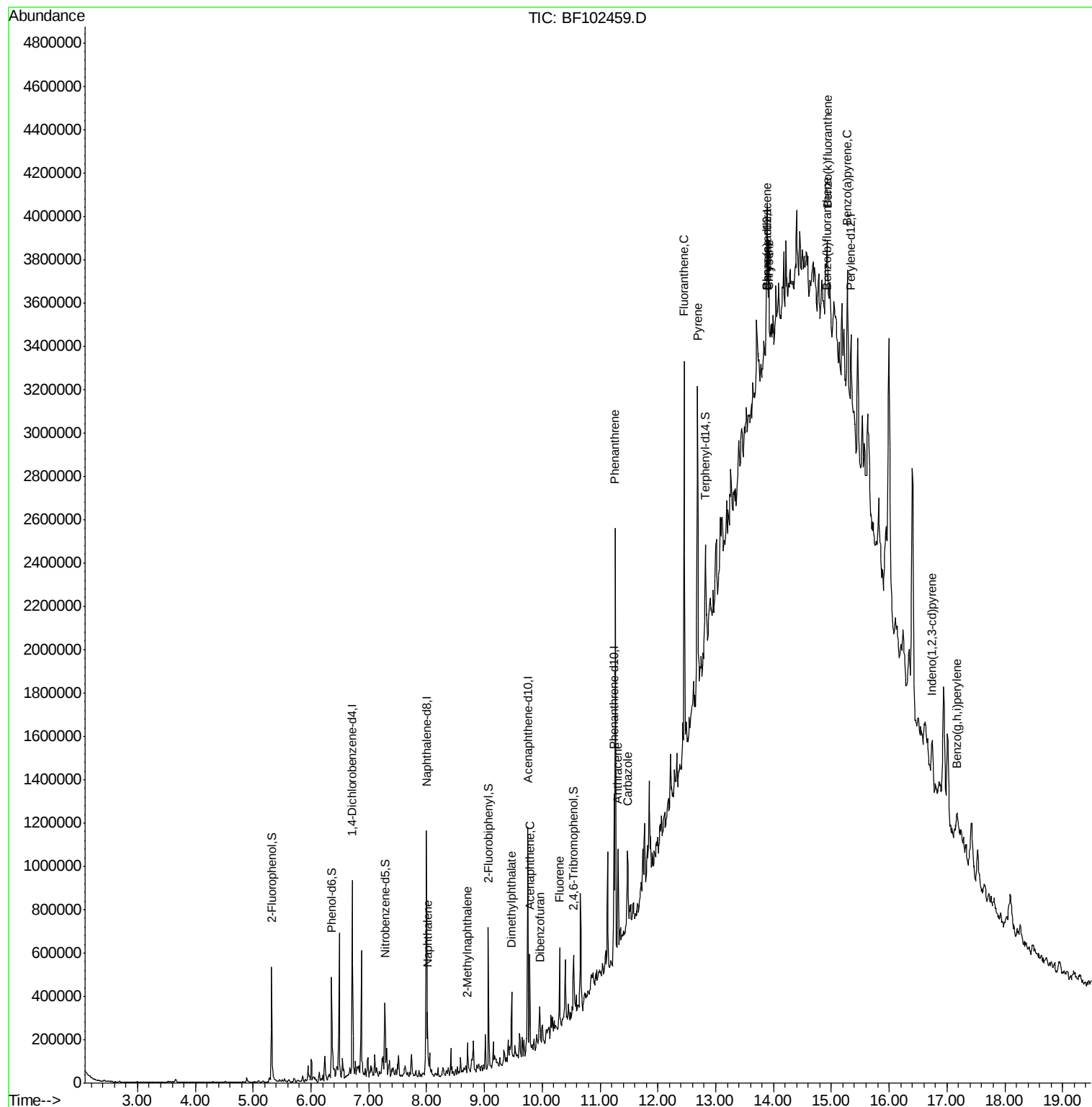
Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
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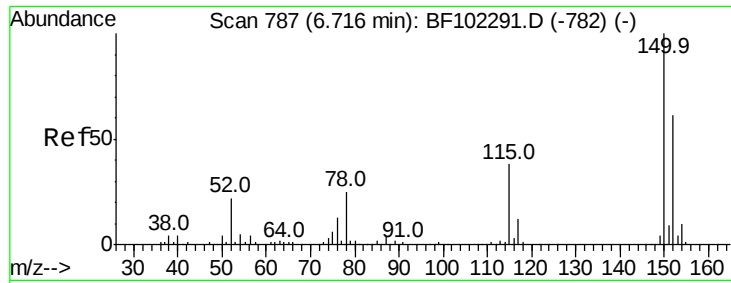
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#1

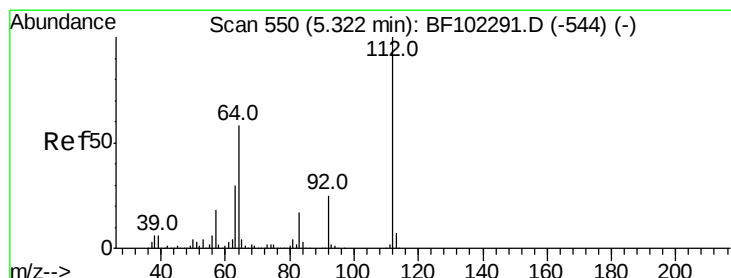
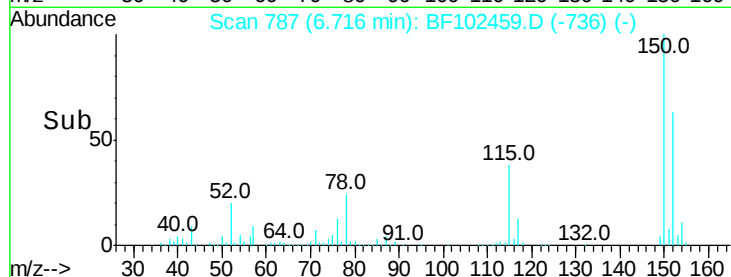
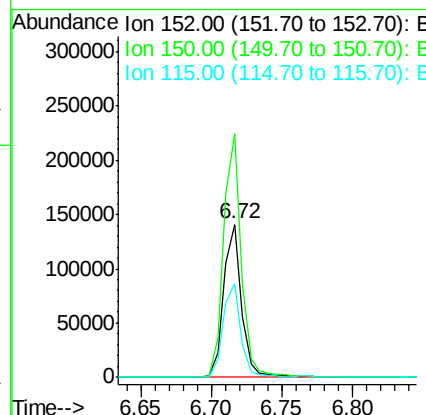
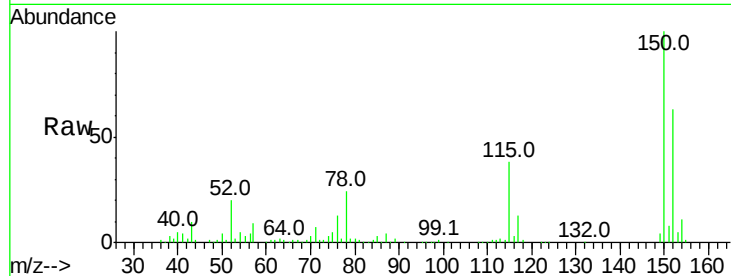
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	61.1	50.1	75.1

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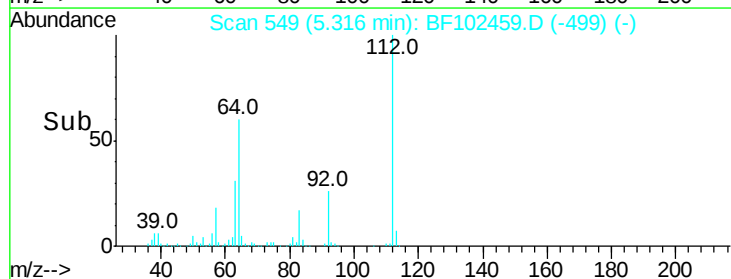
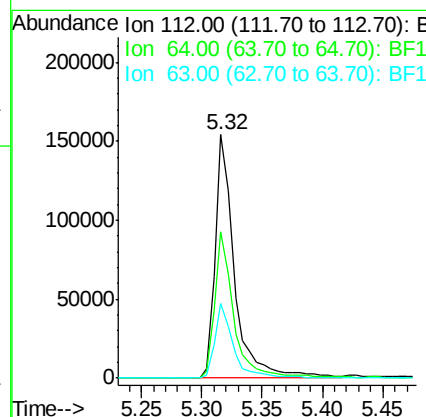
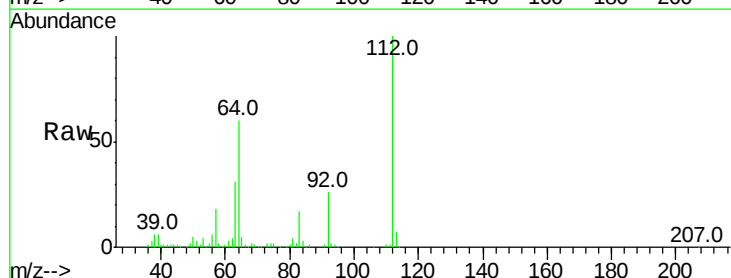
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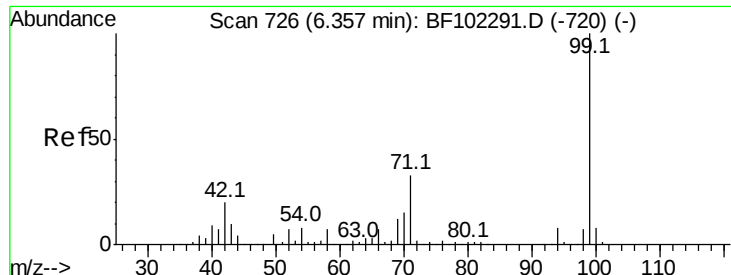


#5

2-Fluorophenol
Concen: 20.770 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 20.325 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102459.D

Acq: 26 Jan 2018 8:48

Instrument :

BNA_F

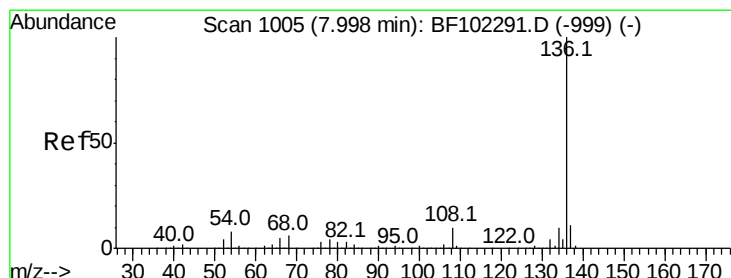
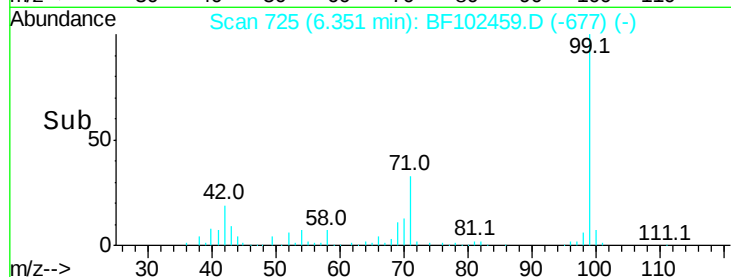
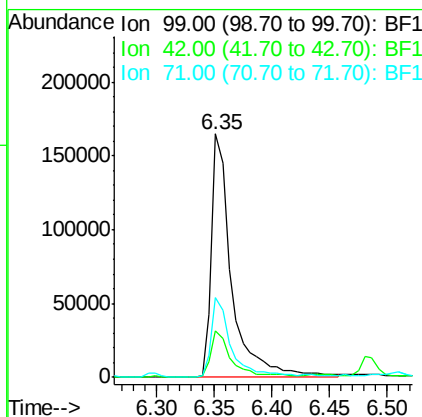
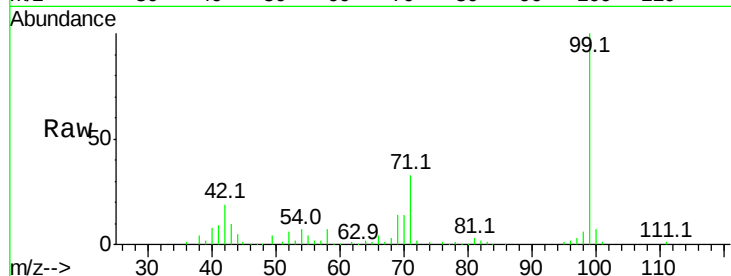
ClientSampleId :

DB-OF-N-S-(EW0-4)DL

Tot Ion:	99	Resp:	201999
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.5	21.7
71	32.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

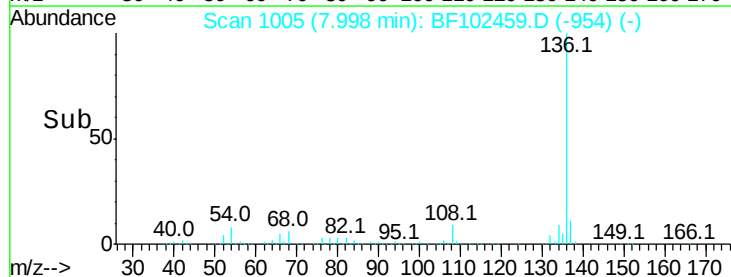
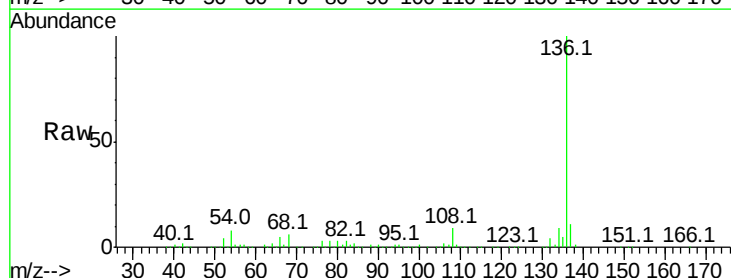
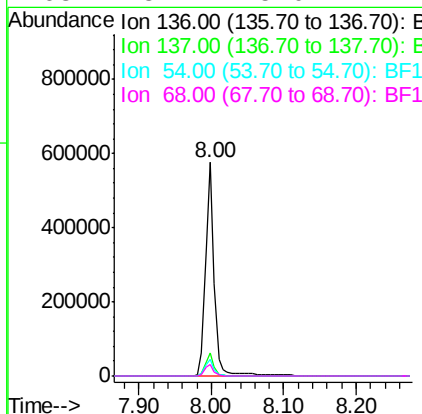
RT: 8.00 min Scan# 1005

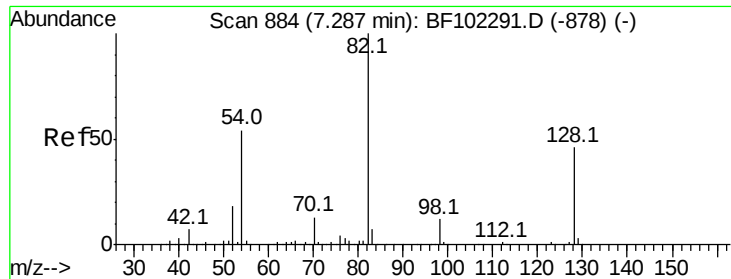
Delta R.T. 0.00 min

Lab File: BF102459.D

Acq: 26 Jan 2018 8:48

Tgt Ion:	136	Resp:	490126
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.7	6.6	9.8
68	5.7	5.0	7.4





#23

Nitrobenzene-d5

Concen: 13.006 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102459.D

Acq: 26 Jan 2018 8:48

Instrument :

BNA_F

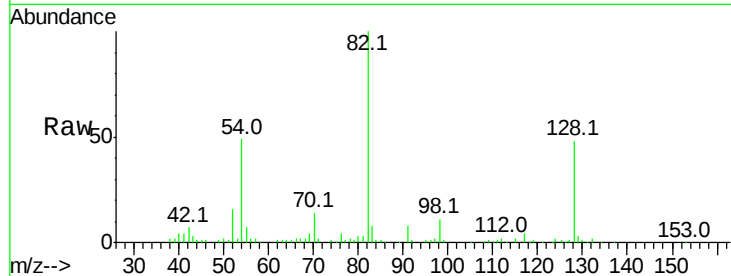
ClientSampleId :

DB-OF-N-S-(EW0-4)DL

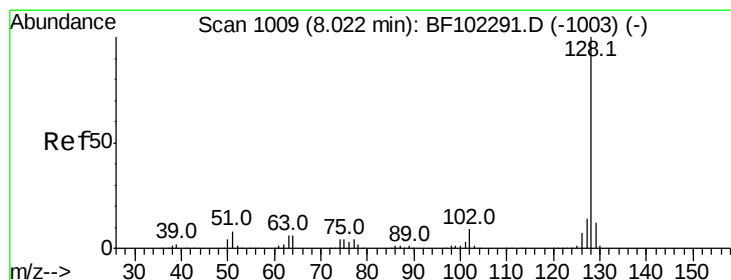
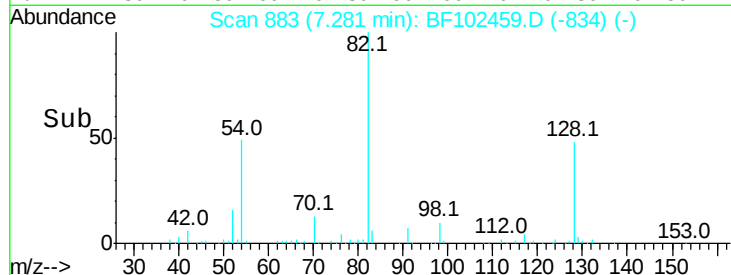
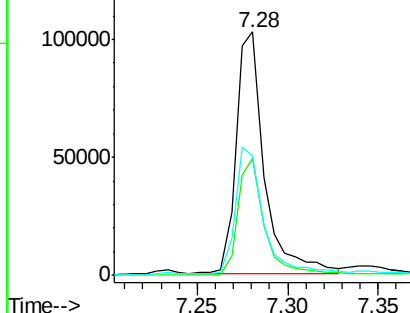
Tot Ion:	82	Resp:	110927
Ion Ratio	Lower	Upper	
82	100		
128	47.8	36.1	54.1
54	49.2	41.4	62.2

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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



#31

Naphthalene

Concen: 4.901 ng

RT: 8.02 min Scan# 1008

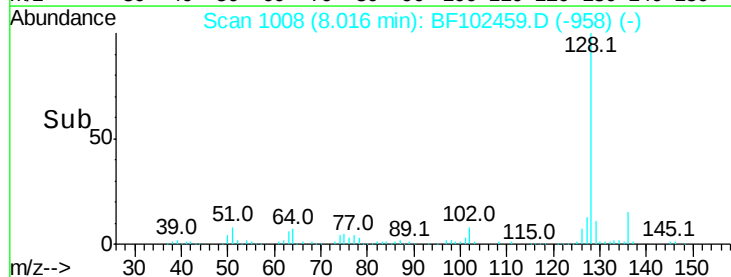
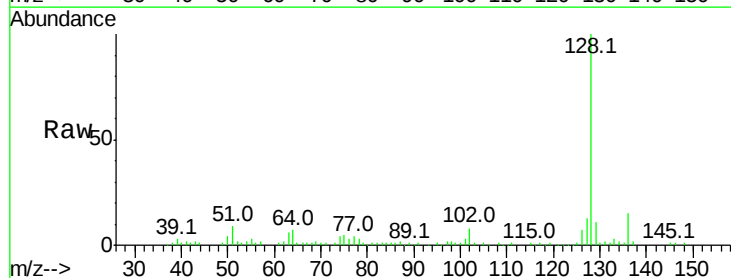
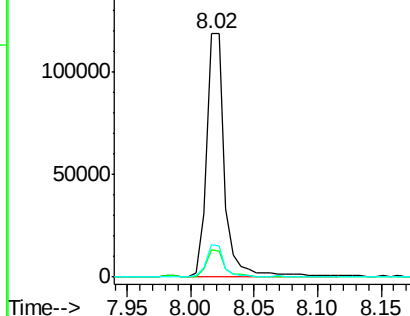
Delta R.T. -0.01 min

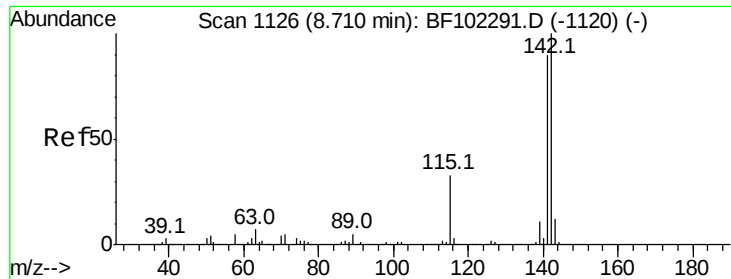
Lab File: BF102459.D

Acq: 26 Jan 2018 8:48

Tgt Ion:	128	Resp:	119926
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.3	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





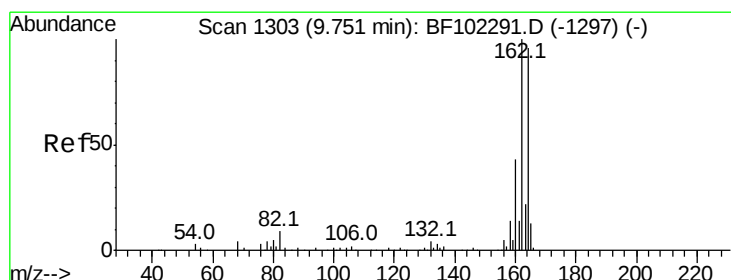
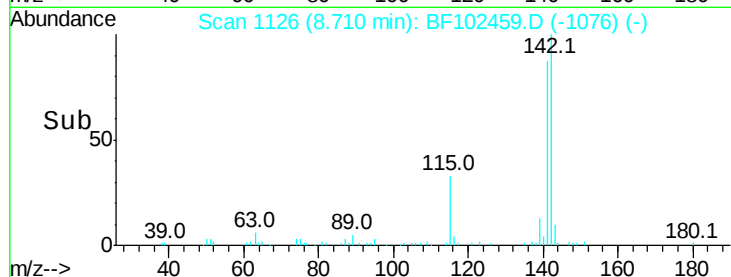
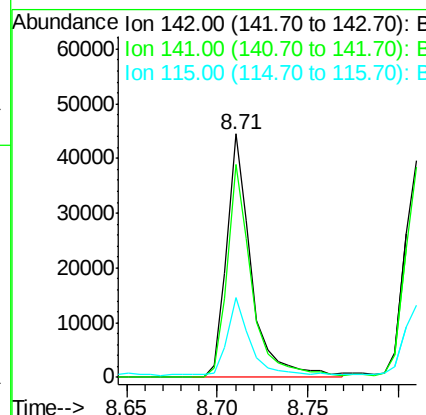
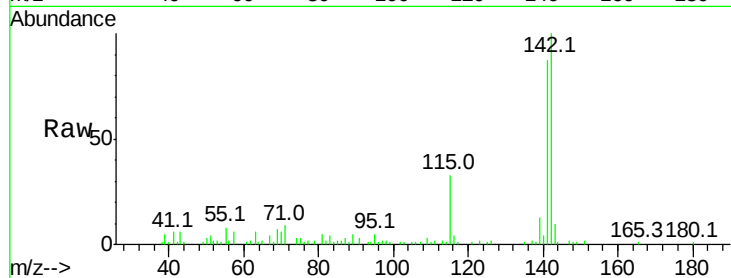
#37
2-Methylnaphthalene
Concen: 2.603 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.8	106.2
115	32.5	26.1	39.1

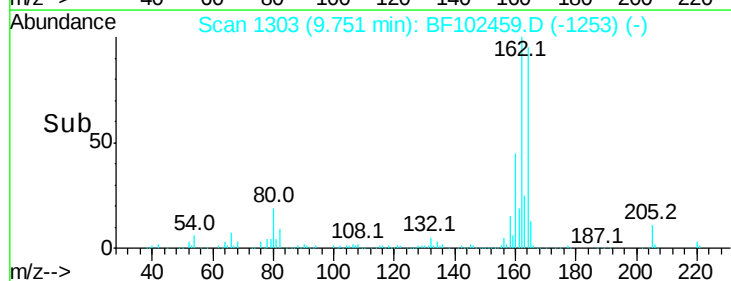
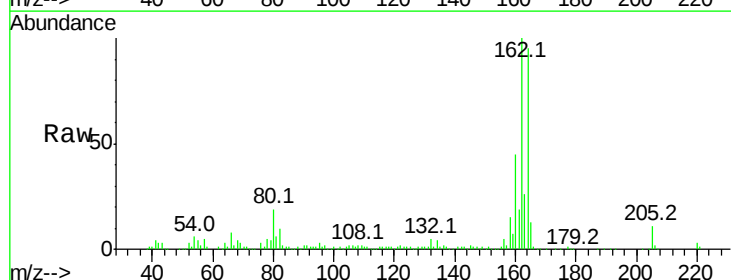
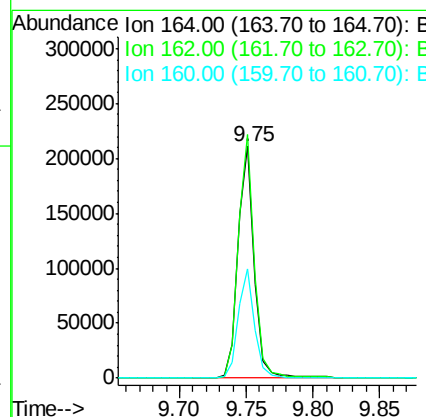
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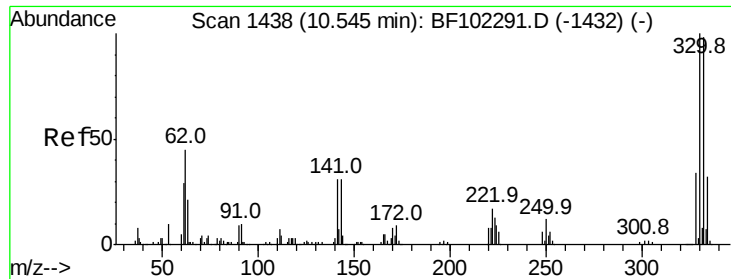
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	47.3	38.3	57.5





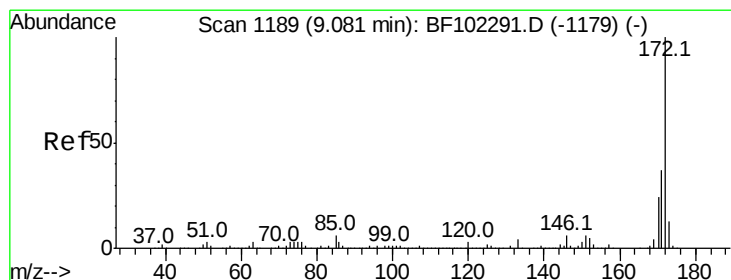
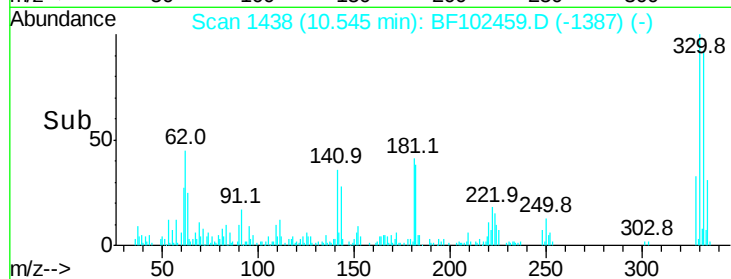
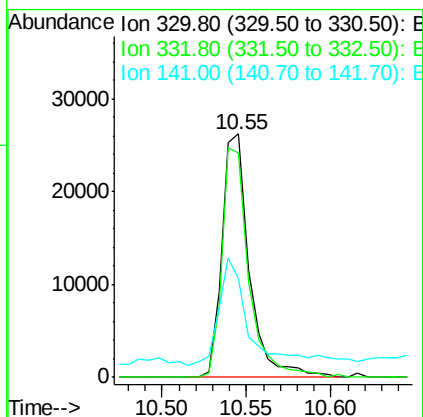
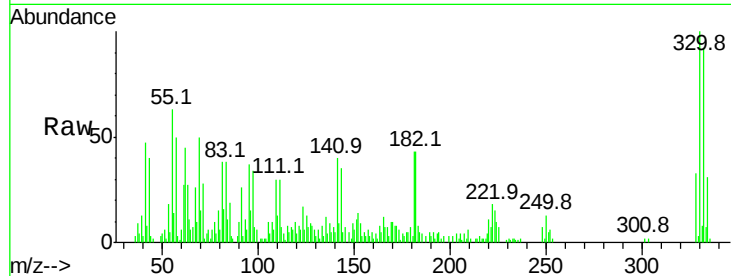
#41
 2,4,6-Tribromophenol
 Concen: 16.498 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102459.D
 Acq: 26 Jan 2018 8:48

Instrument :
 BNA_F
 ClientSampleID :
 DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.4	77.0	115.6
141	45.7	29.9	44.9

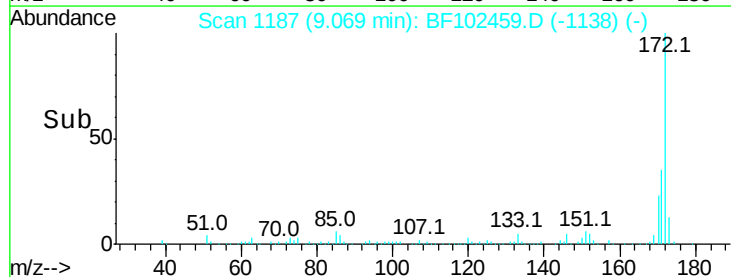
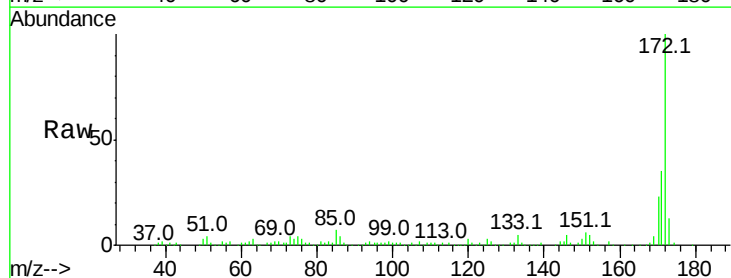
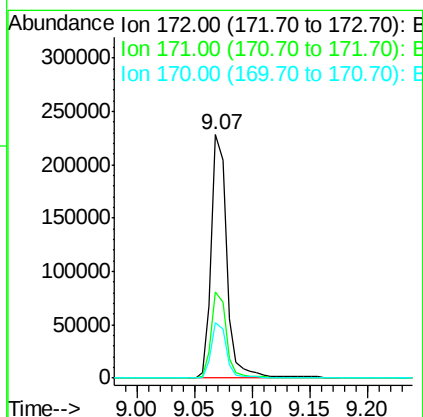
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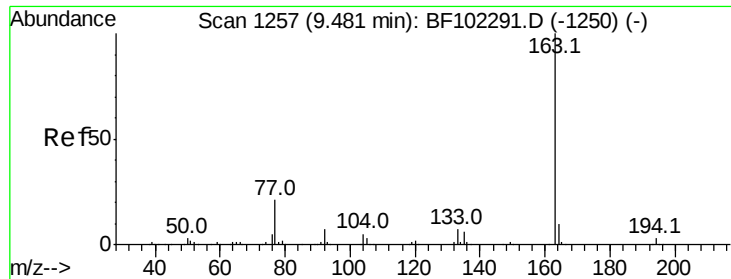
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#44
 2-Fluorobiphenyl
 Concen: 17.439 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102459.D
 Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.0	19.6	29.4





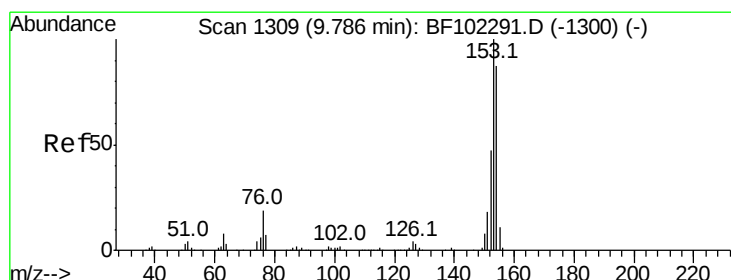
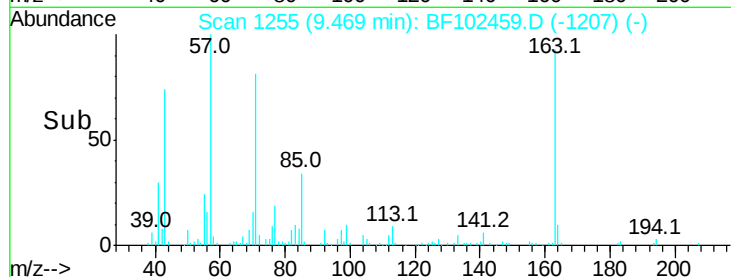
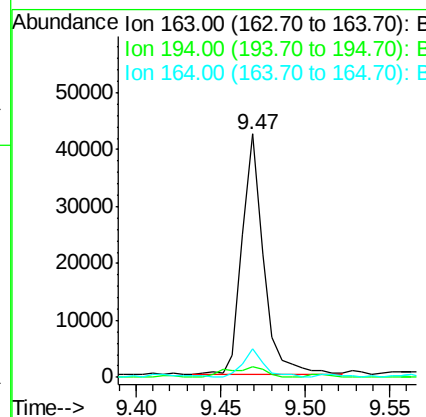
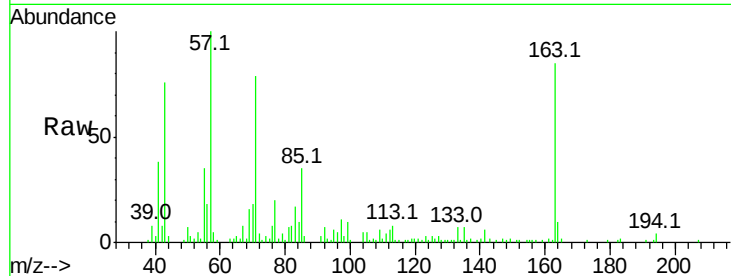
#49
Dimethylphthalate
Concen: 2.494 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	12.0	8.2	12.2

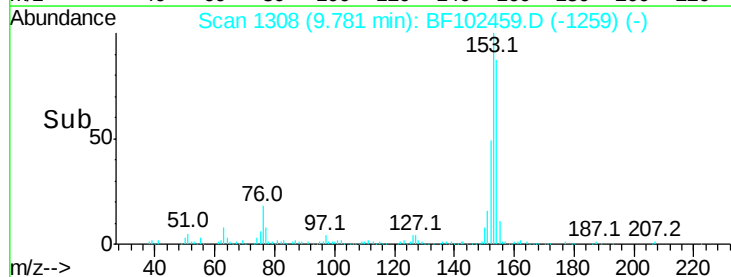
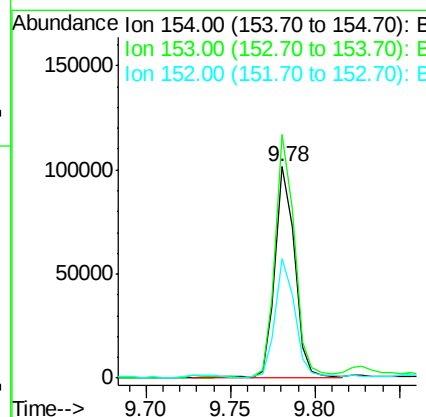
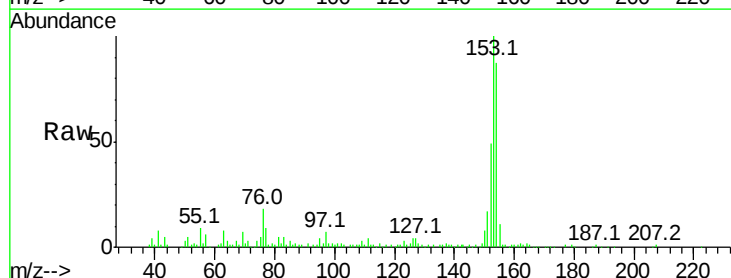
Manual Integrations
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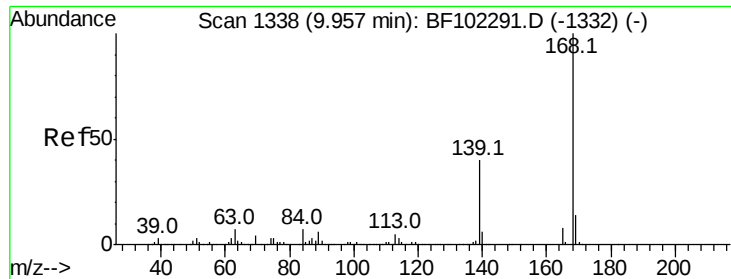
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#51
Acenaphthene
Concen: 7.259 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.2	136.8
152	56.7	43.8	65.8





#54

Dibenzofuran

Concen: 4.421 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF102459.D

Acq: 26 Jan 2018 8:48

Instrument :

BNA_F

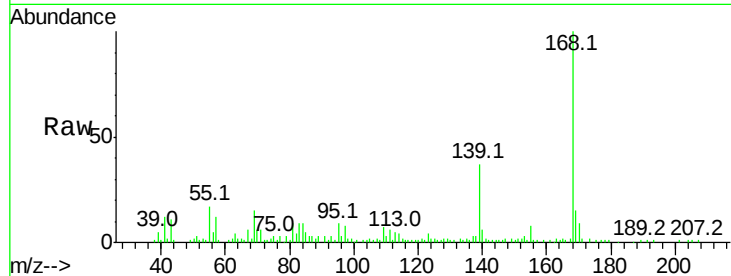
ClientSampleId :

DB-OF-N-S-(EW0-4)DL

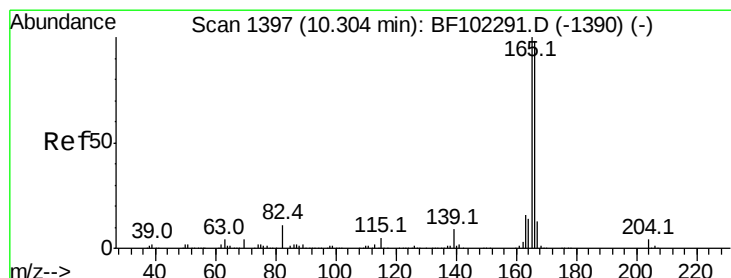
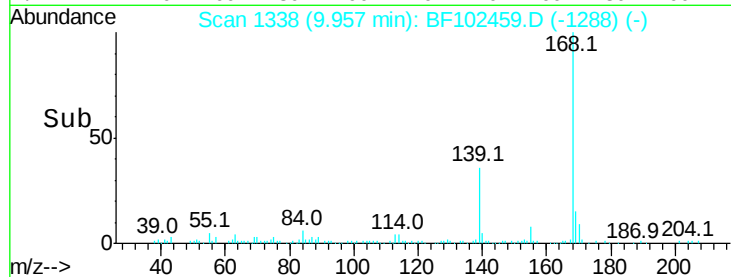
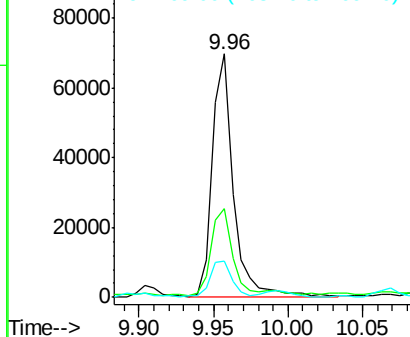
Tot Ion:	168	Resp:	68849
Ion Ratio	Lower	Upper	
168	100		
139	36.6	30.1	45.1
169	14.7	10.9	16.3

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 7.763 ng

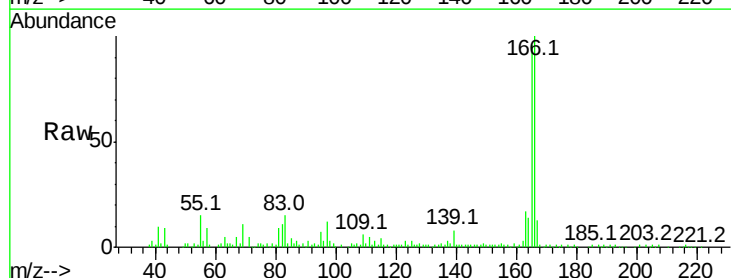
RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

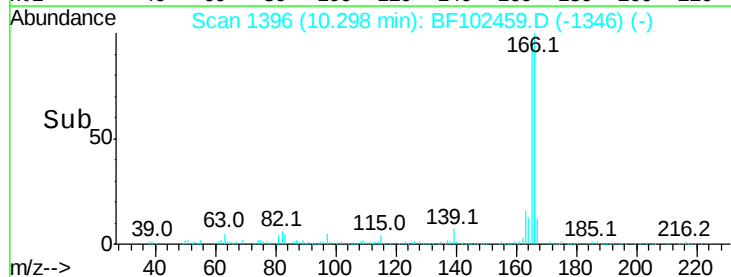
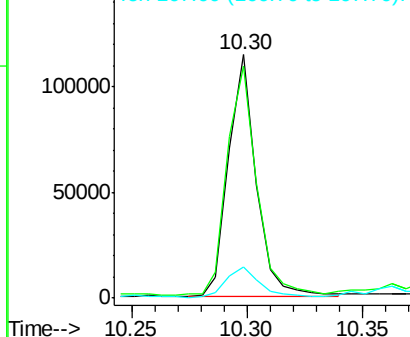
Lab File: BF102459.D

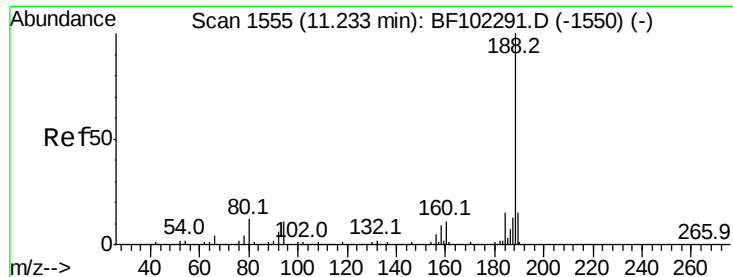
Acq: 26 Jan 2018 8:48

Tgt Ion:	166	Resp:	95794
Ion Ratio	Lower	Upper	
166	100		
165	95.5	79.8	119.8
167	13.0	10.6	16.0



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





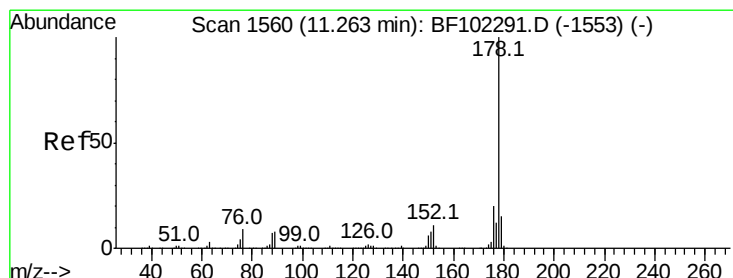
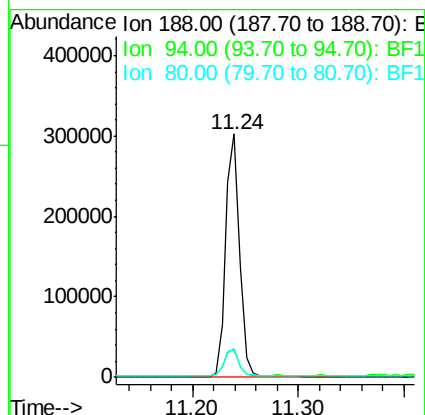
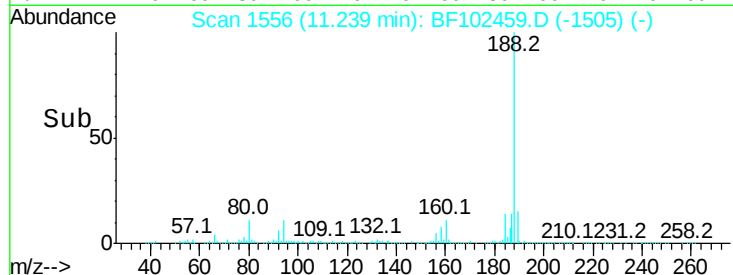
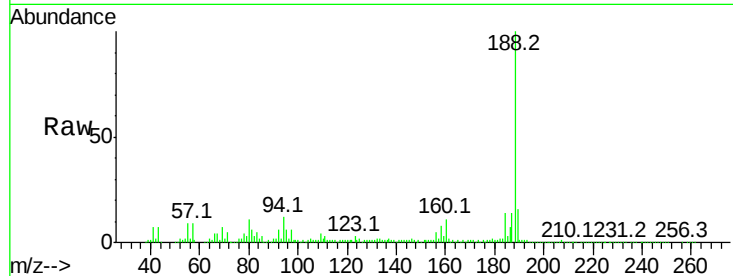
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	280857		
94	11.6	8.5	12.7	
80	11.3	9.2	13.8	

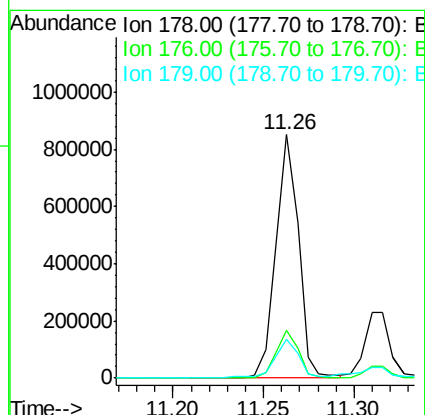
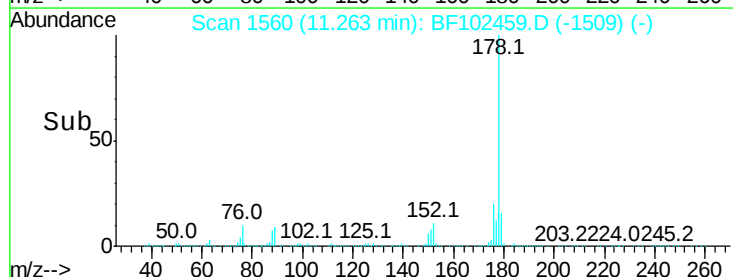
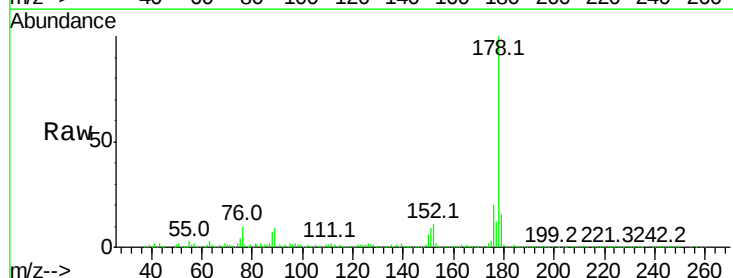
Manual Integrations
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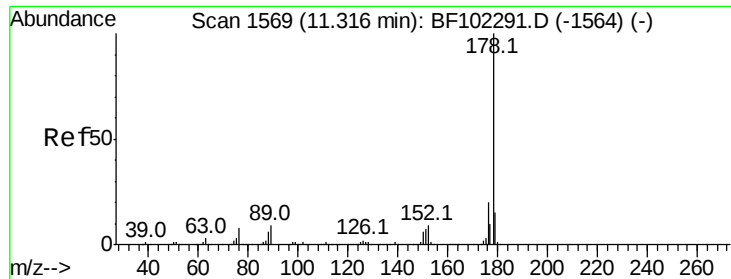
Sohil
1/26/2018 4:04:26 PM



#70
Phenanthrene
Concen: 44.933 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	735372		
176	19.7	15.8	23.8	
179	16.1	13.0	19.6	





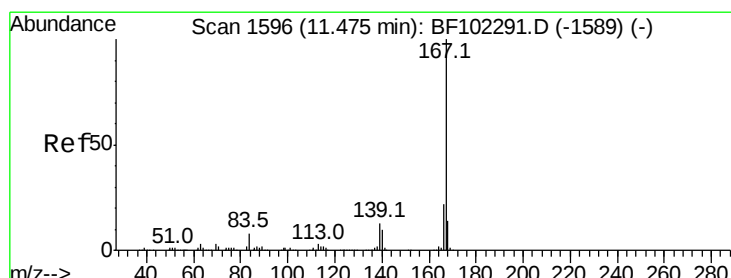
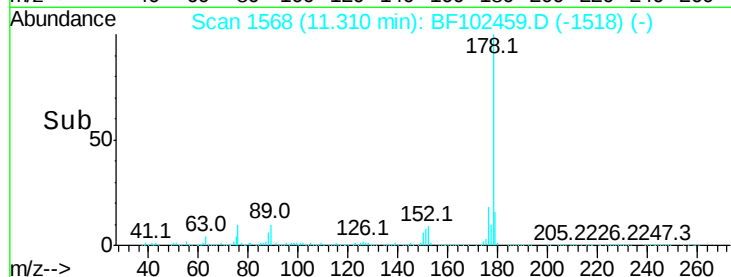
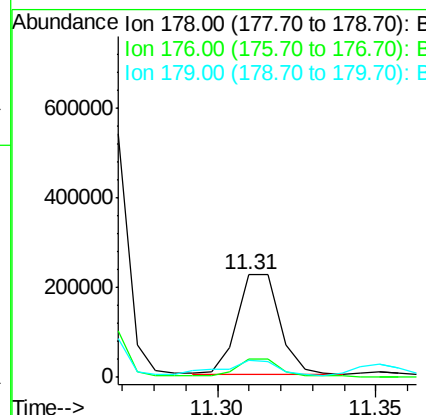
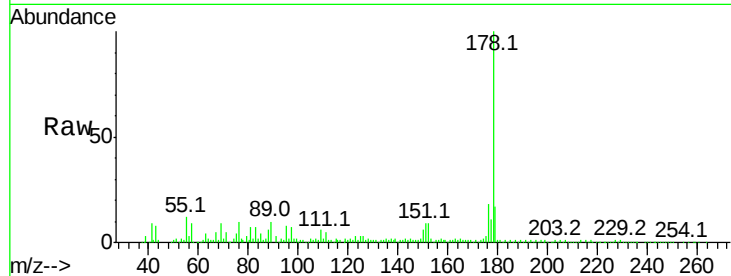
#71
 Anthracene
 Concen: 12.463 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102459.D
 Acq: 26 Jan 2018 8:48

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.9	12.6	19.0

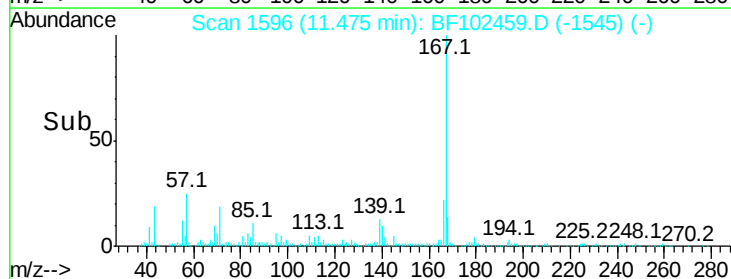
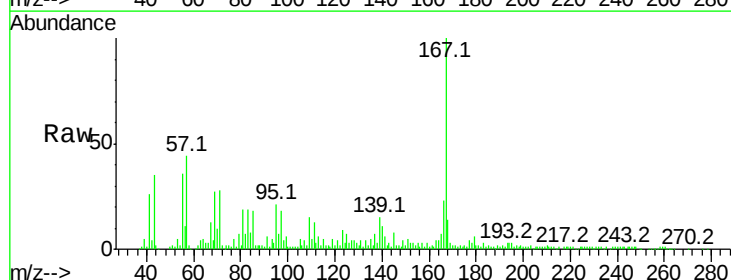
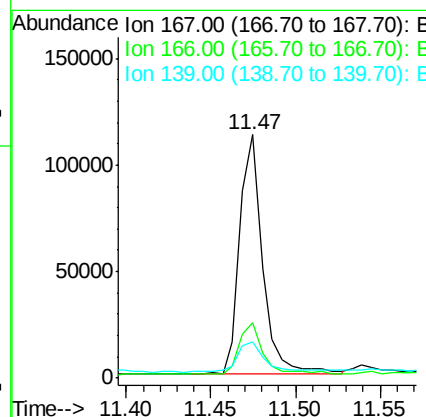
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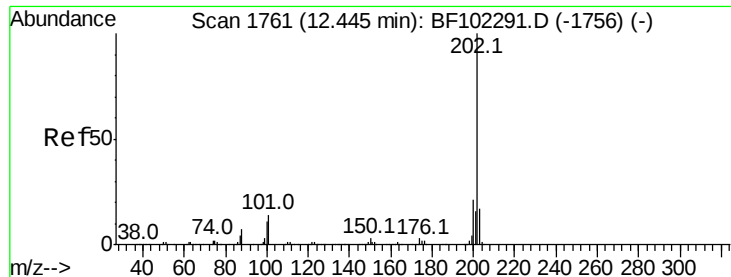
Sohil
 1/26/2018 4:04:26 PM



#72
 Carbazole
 Concen: 6.569 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BF102459.D
 Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	14.9	10.9	16.3





#74

Fluoranthene

Concen: 46.723 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102459.D

Acq: 26 Jan 2018 8:48

Instrument :

BNA_F

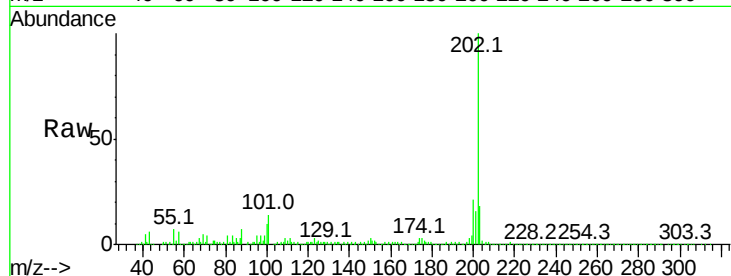
ClientSampleId :

DB-OF-N-S-(EW0-4)DL

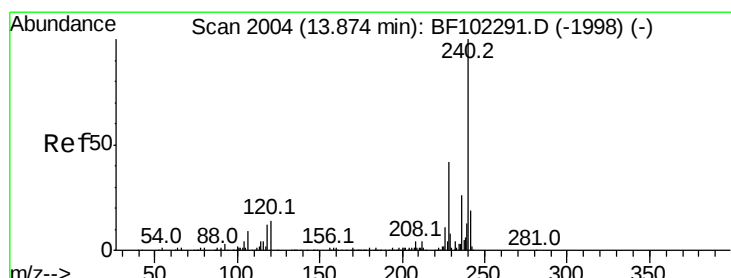
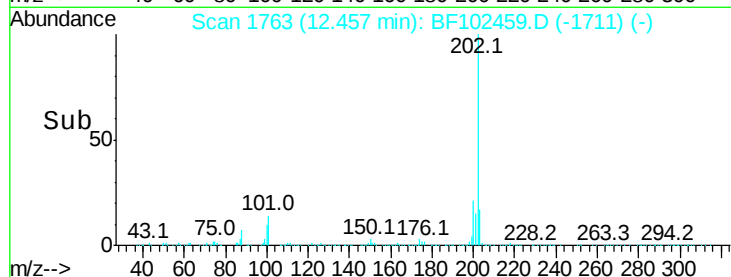
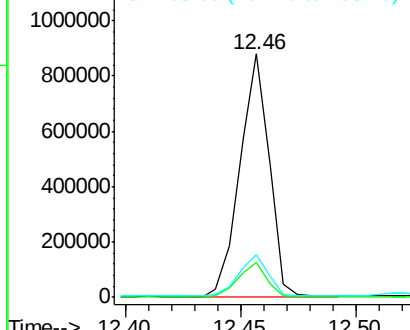
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	0.0	34.1
203	17.6	0.0	38.1

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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# 2007

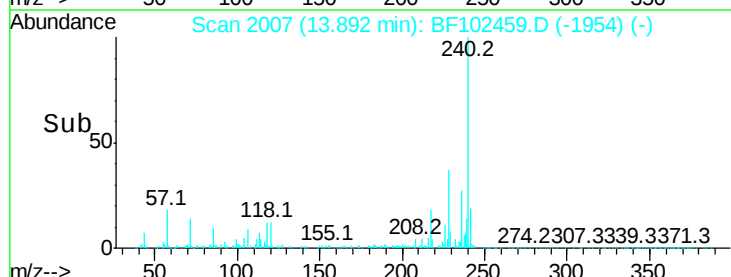
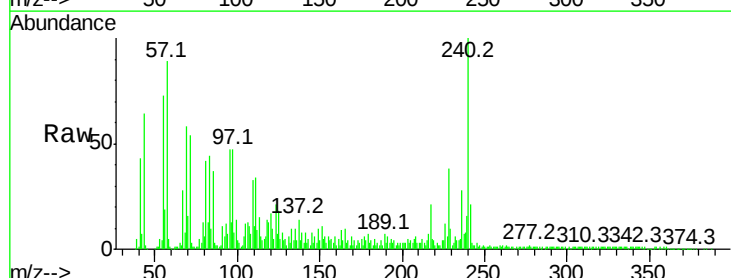
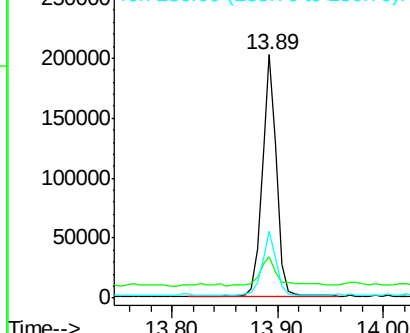
Delta R.T. 0.01 min

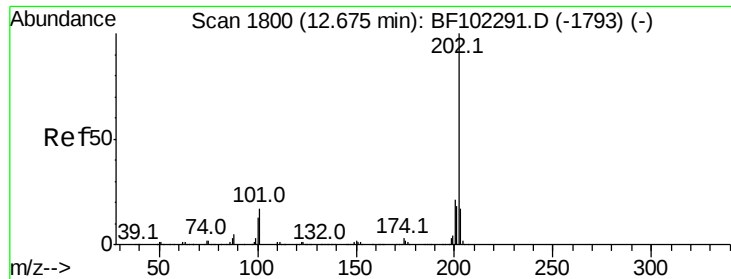
Lab File: BF102459.D

Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.9	9.5	14.3#
236	27.7	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





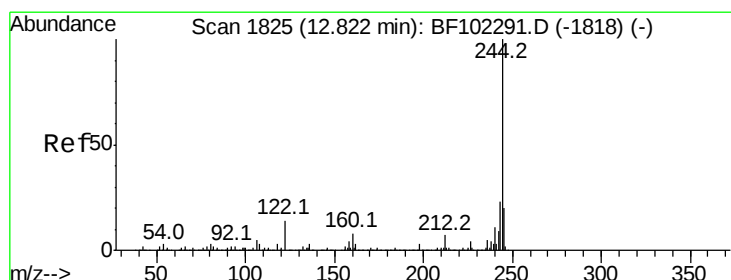
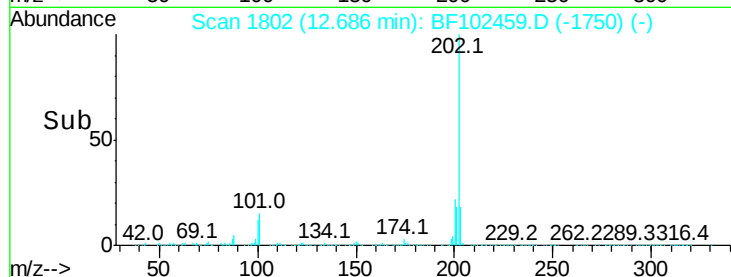
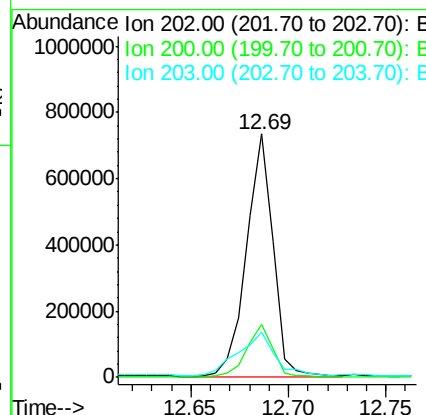
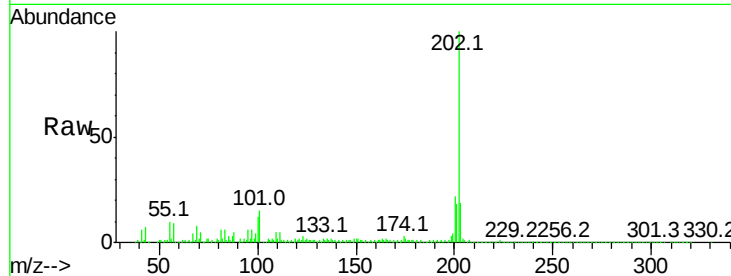
#77
Pvrene
Concen: 46.482 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Instrument :
BNA_F
ClientSampleID :
DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.6	14.3	21.5

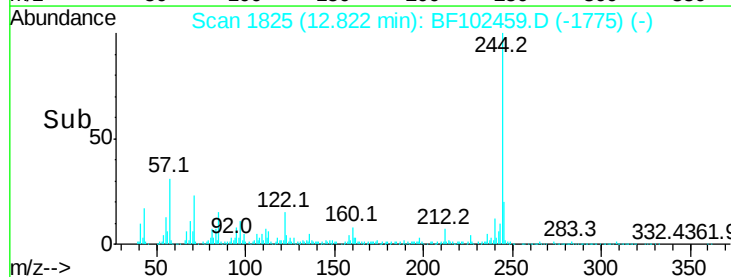
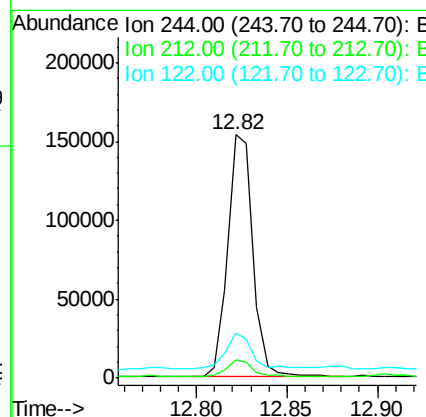
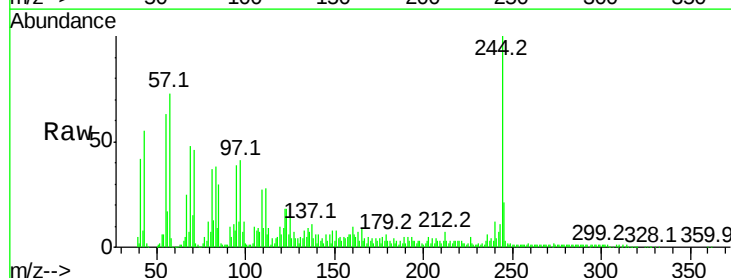
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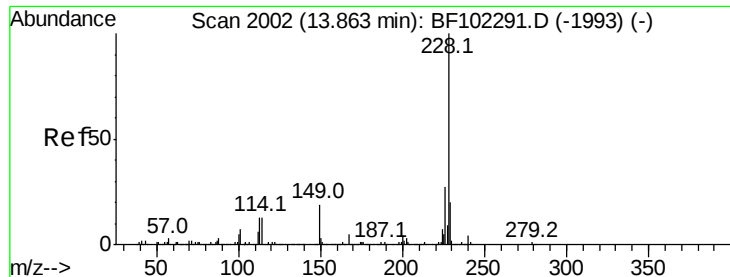
Sohil
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#78
Terphenyl-d14
Concen: 17.457 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.4	8.0
122	18.4	11.0	16.4





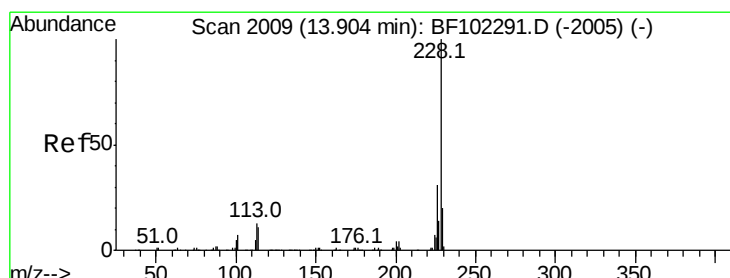
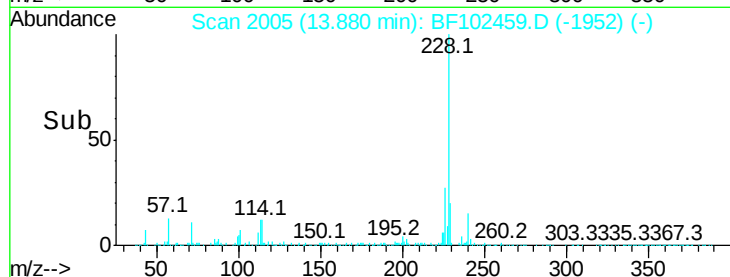
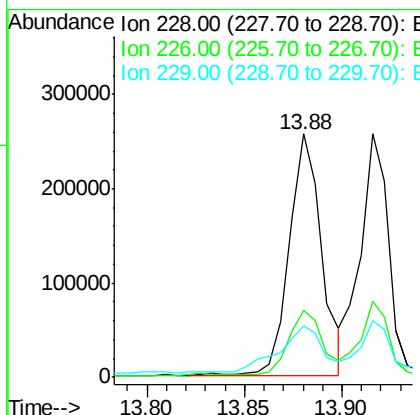
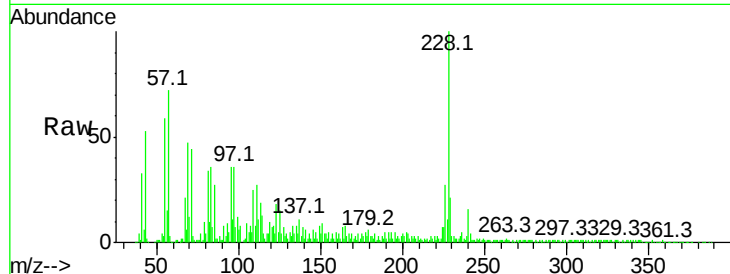
#80
Benzo(a)anthracene
Concen: 24.636 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	21.4	15.8	23.6

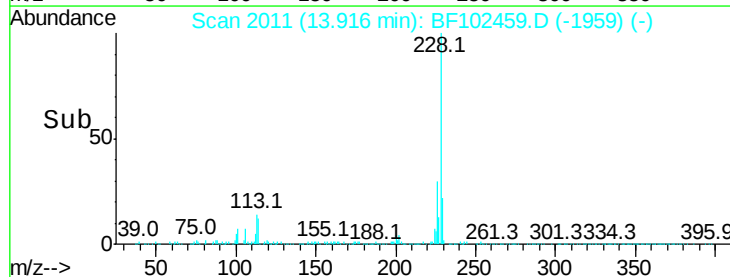
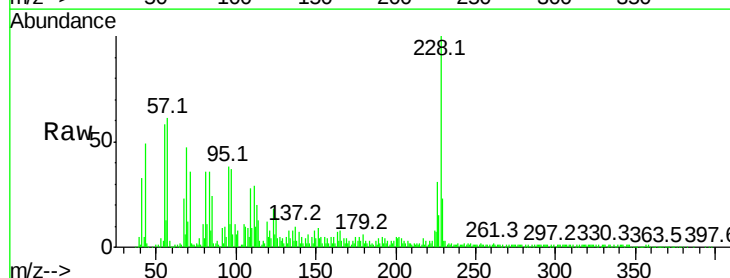
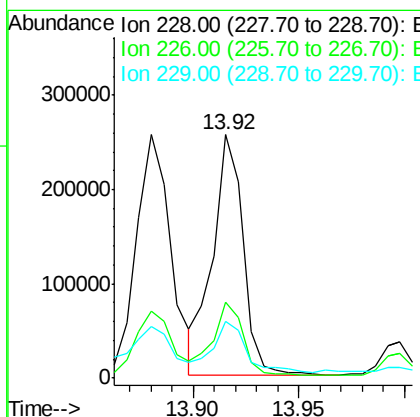
Manual Integrations
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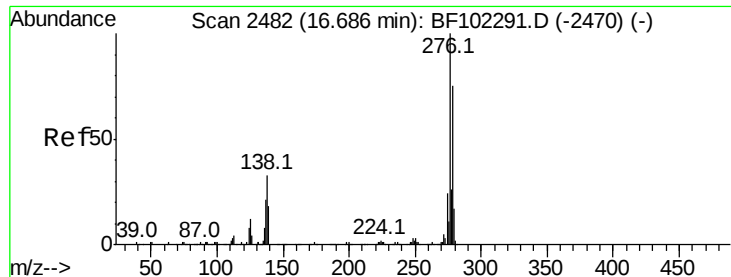
Sohil
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#82
Chrysene
Concen: 21.515 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	23.2	16.2	24.4





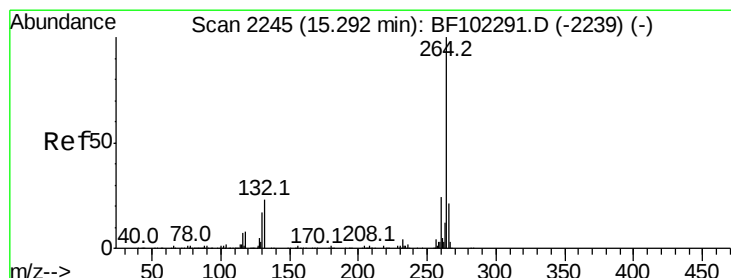
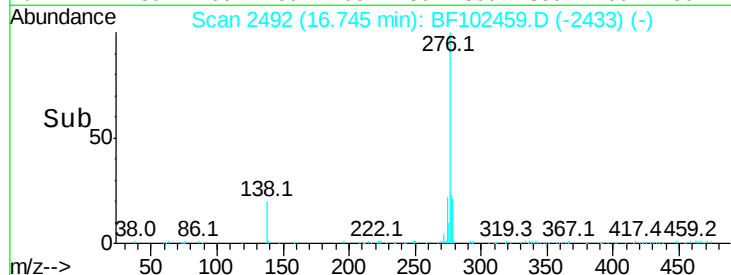
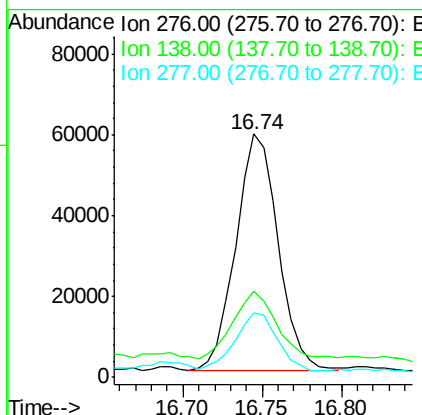
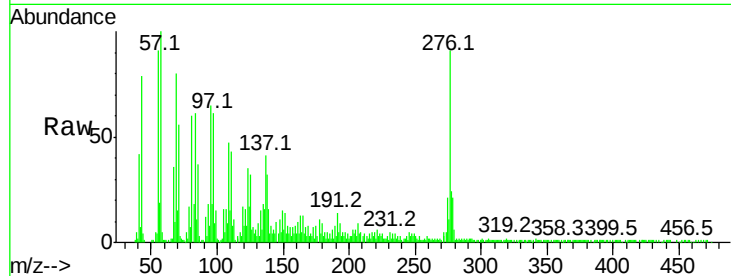
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.929 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.05 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.5	25.0	37.6
277	24.3	20.1	30.1

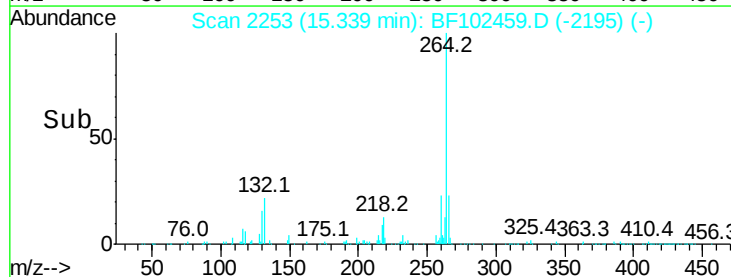
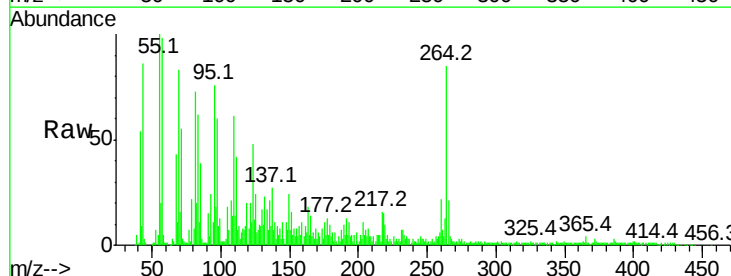
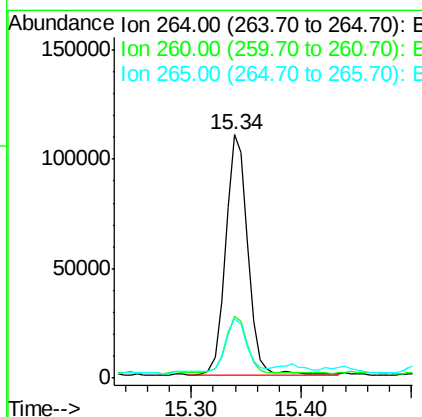
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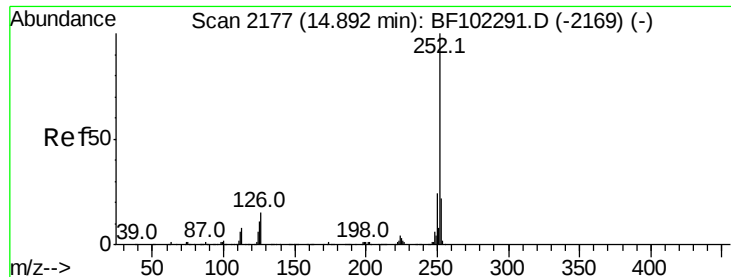
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.04 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	24.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 25.238 ng m

RT: 14.93 min Scan# 2183

Delta R.T. 0.04 min

Lab File: BF102459.D

Acq: 26 Jan 2018 8:48

Instrument :

BNA_F

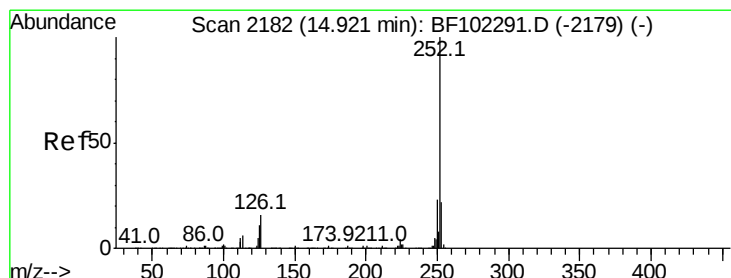
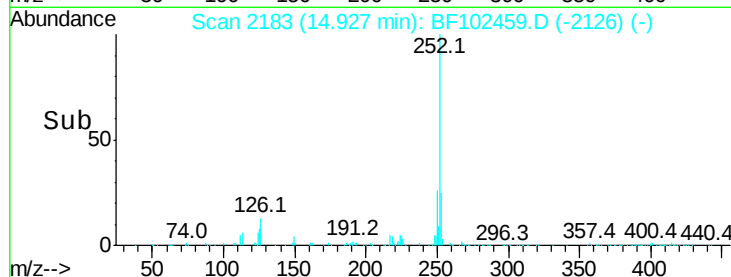
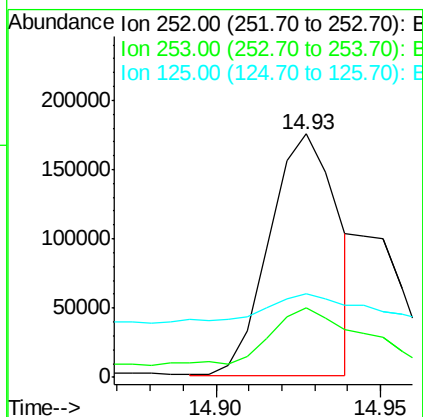
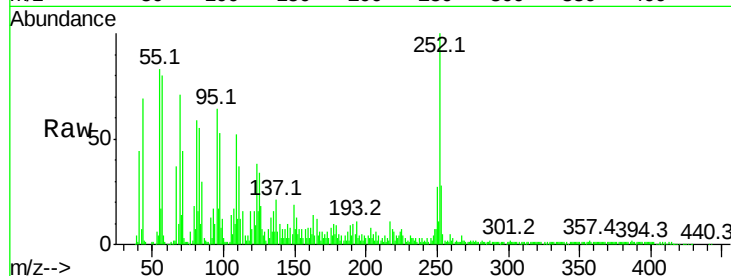
ClientSampleId :

DB-OF-N-S-(EW0-4)DL

Tot Ion:252	Resp:	251971
Ion Ratio	Lower	Upper
252	100	
253	28.3	17.0 25.6#
125	34.1	9.0 13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 11.049 ng m

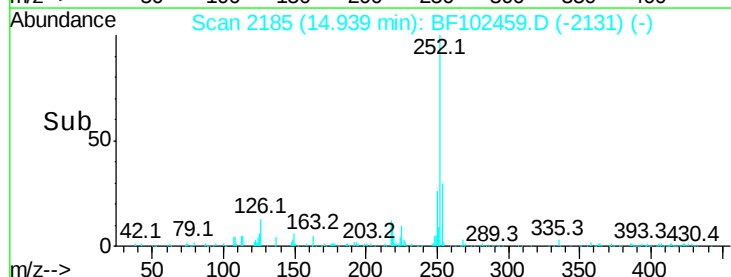
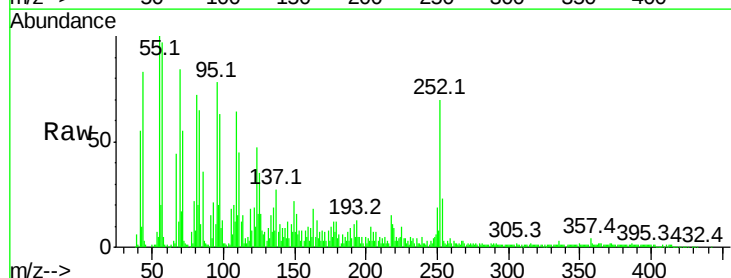
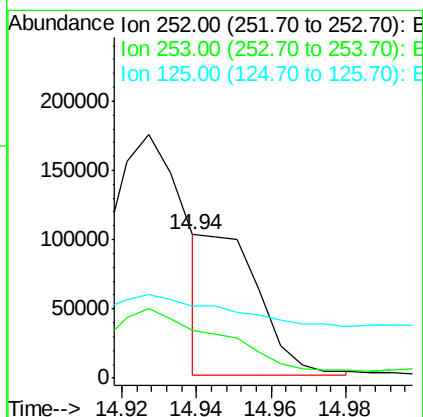
RT: 14.94 min Scan# 2185

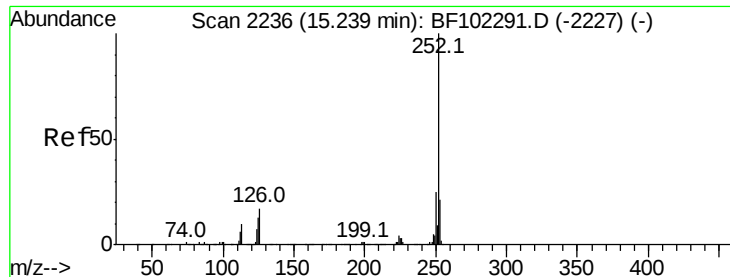
Delta R.T. 0.02 min

Lab File: BF102459.D

Acq: 26 Jan 2018 8:48

Tgt Ion:252	Resp:	104224
Ion Ratio	Lower	Upper
252	100	
253	33.3	17.9 26.9#
125	50.3	10.2 15.2#





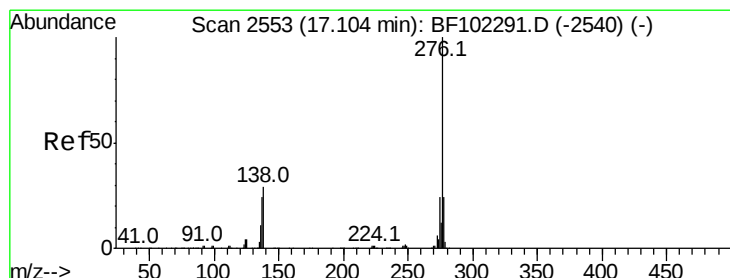
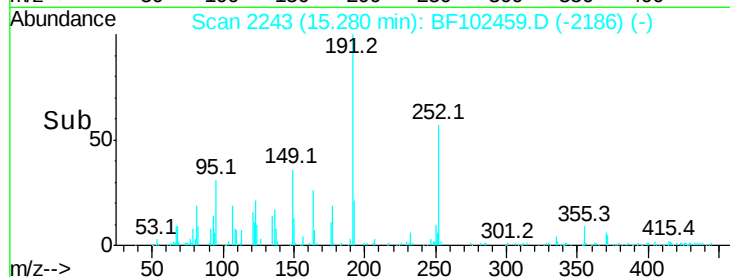
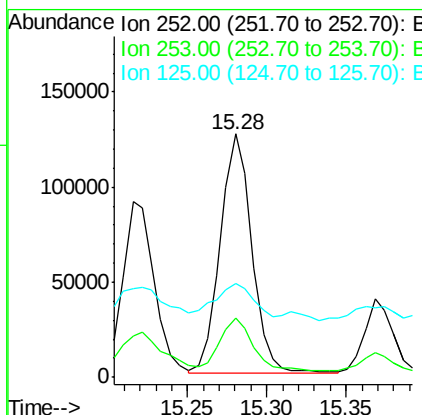
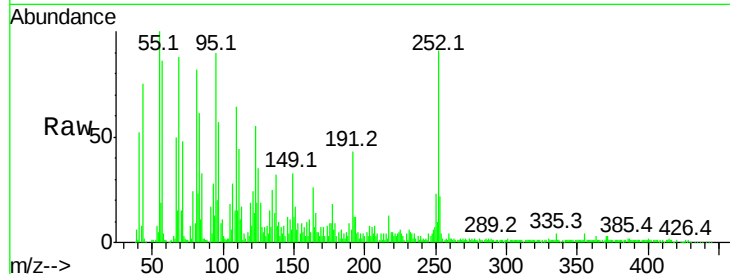
#89
Benzo(a)pyrene
Concen: 19.425 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.04 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW0-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	38.4	9.8	14.6

Manual Integrations
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1/26/2018 4:04:26 PM



#91
Benzo(g,h,i)perylene
Concen: 14.387 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.05 min
Lab File: BF102459.D
Acq: 26 Jan 2018 8:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	35.9	21.8	32.8

