

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102423.D
 Acq On : 25 Jan 2018 13:52
 Operator : SJ/JU
 Sample : J1256-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(EW4-8)

Manual Integrations
 APPROVED

Sohil
 1/25/2018 5:42:14 PM

Quant Time: Jan 25 15:44:36 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	129851	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	513666	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	204644	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	305038	20.00	ng	0.00
75) Chrysene-d12	13.88	240	240707	20.00	ng	0.00
86) Perylene-d12	15.31	264	234998	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	891931	104.15	ng	0.01
7) Phenol-d6	6.36	99	1069367	103.58	ng	0.00
23) Nitrobenzene-d5	7.29	82	596249	66.71	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	151082	74.51	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1016783	73.06	ng	0.00
78) Terphenyl-d14	12.83	244	715454	67.01	ng	0.00
Target Compounds						
10) Phenol	6.37	94	58389	5.180	ng	97
49) Dimethylphthalate	9.47	163	191466	11.319	ng	99
57) Fluorene	10.30	166	37778	2.722	ng	99
70) Phenanthrene	11.26	178	330931	18.618	ng	98
71) Anthracene	11.32	178	65059	3.586	ng	97
72) Carbazole	11.47	167	38606	2.181	ng	98
74) Fluoranthene	12.45	202	351196	19.375	ng	98
77) Pyrene	12.68	202	287068	15.425	ng	98
80) Benzo(a)anthracene	13.87	228	124856	8.425	ng	99
82) Chrysene	13.90	228	114511	7.609	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	44489	3.580	ng	97
87) Benzo(b)fluoranthene	14.90	252	138302m	9.080	ng	
88) Benzo(k)fluoranthene	14.92	252	42248m	2.936	ng	
89) Benzo(a)pyrene	15.24	252	96532	7.027	ng	# 89
91) Benzo(a,h,i)perylene	17.12	276	44883	4.085	ng	95

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

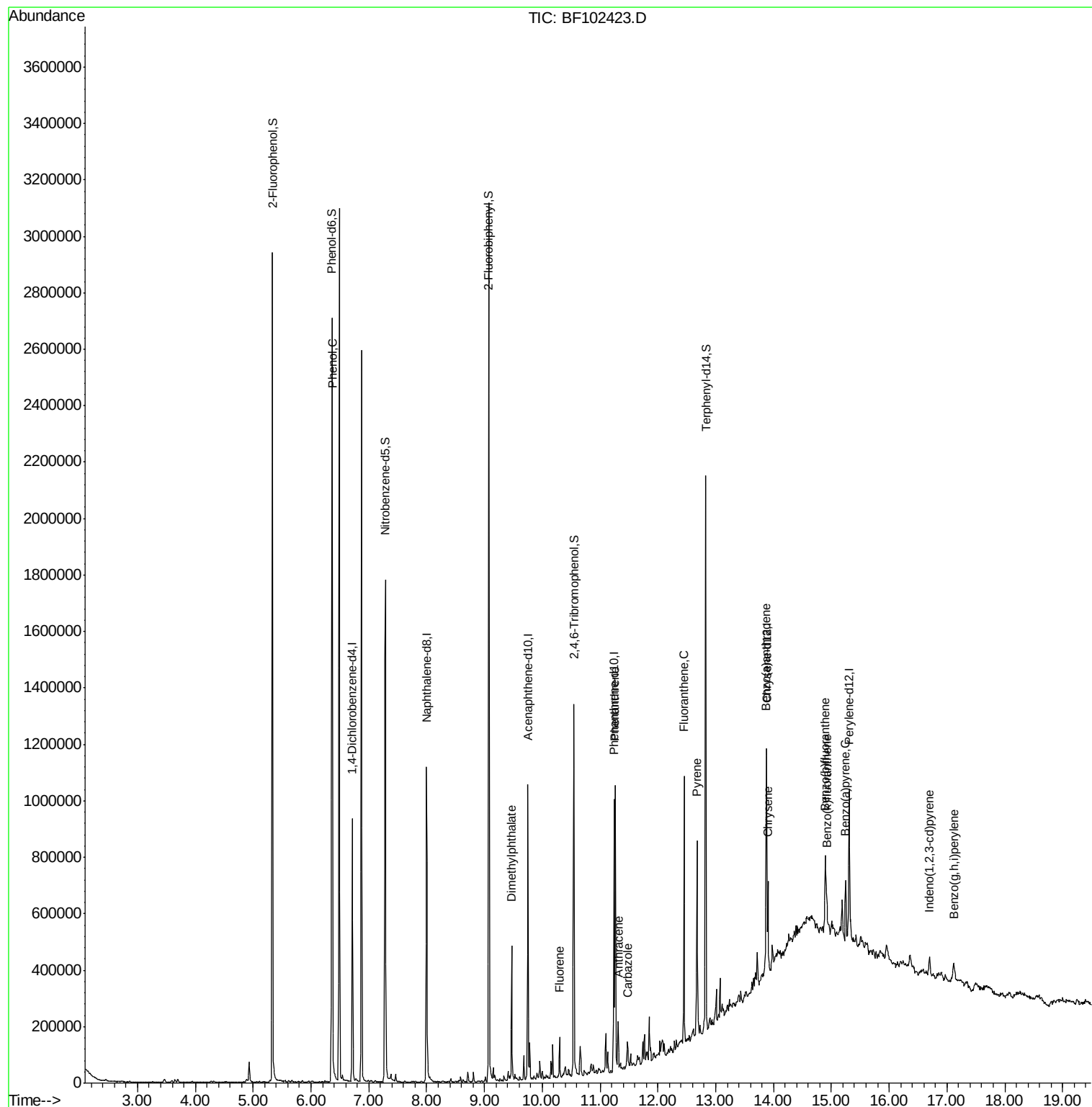
Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
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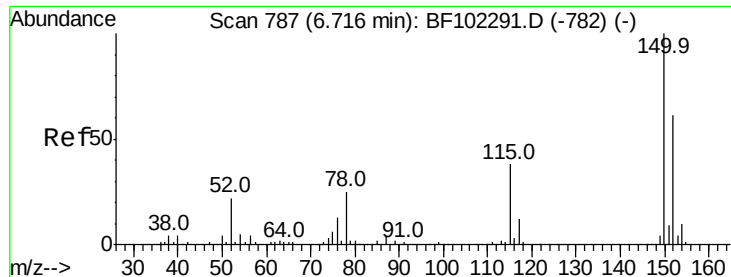
Instrument :
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#1

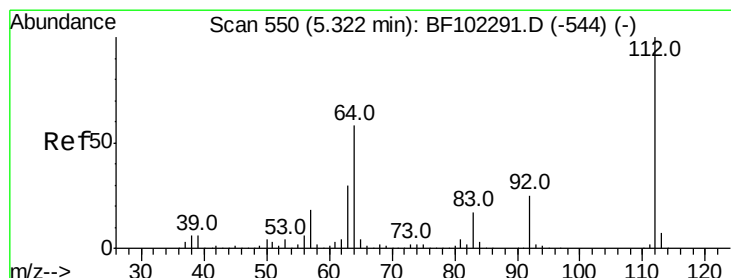
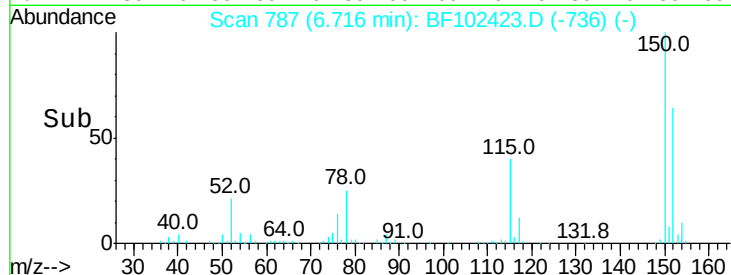
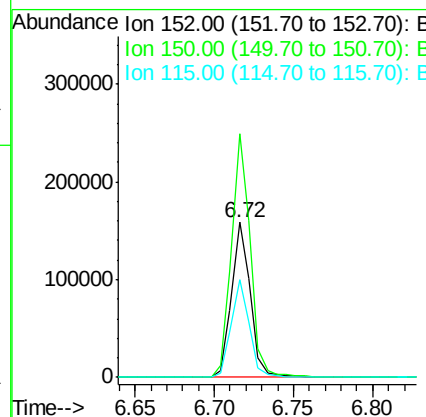
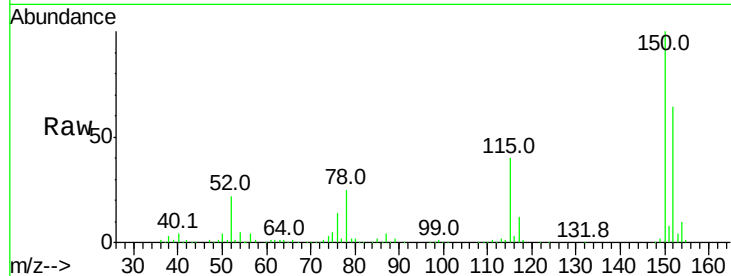
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102423.D
Acq: 25 Jan 2018 13:52

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW4-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	63.0	50.1	75.1

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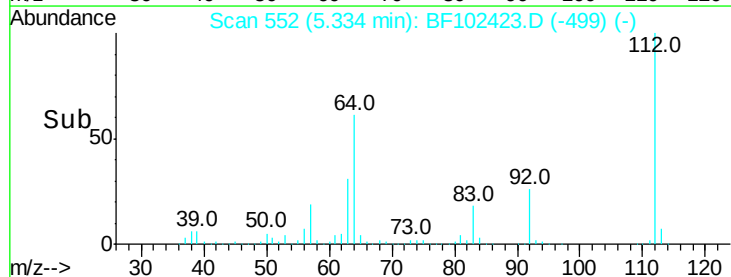
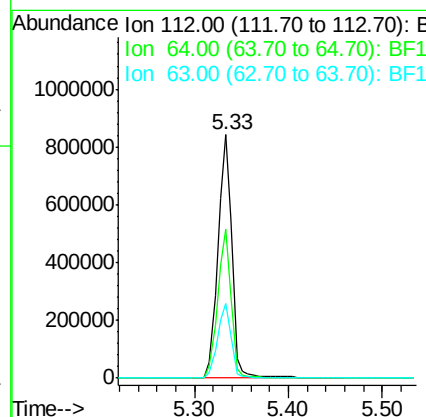
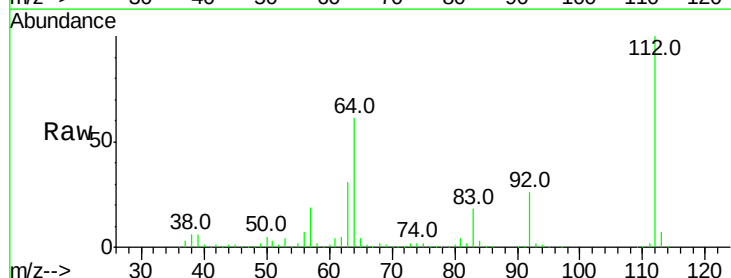
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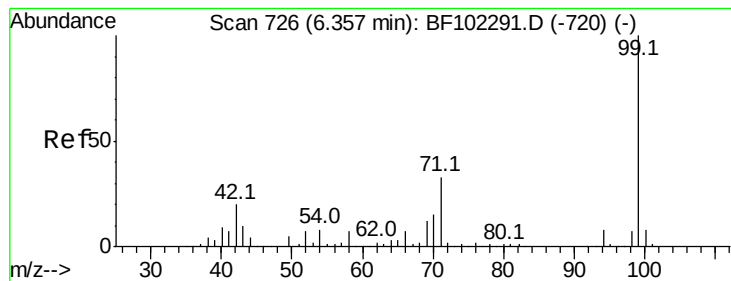


#5

2-Fluorophenol
Concen: 104.150 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102423.D
Acq: 25 Jan 2018 13:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 103.575 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(EW4-8)

Tot Ion: 99 Resp: 1069367

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

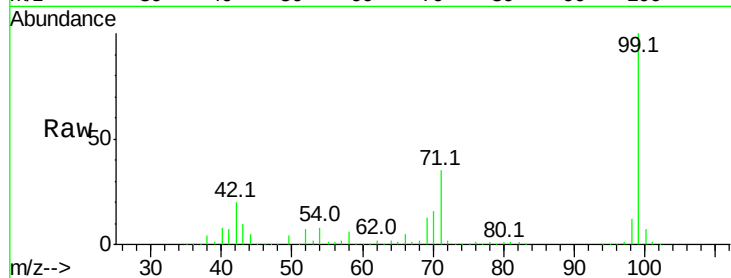
71 35.2 25.4 38.0

Manual Integrations

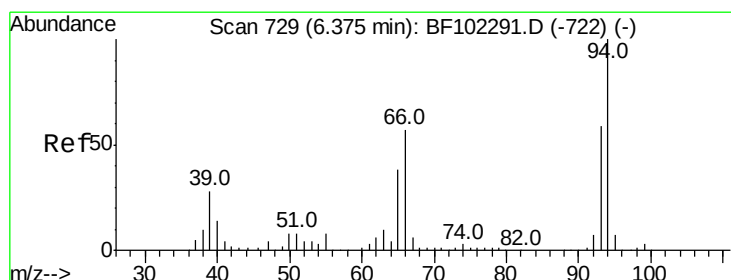
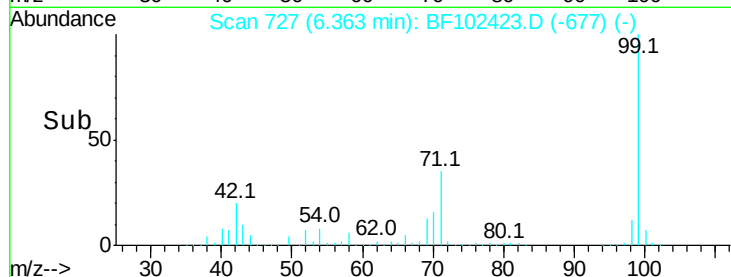
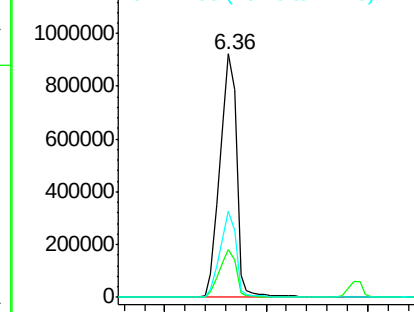
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.180 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

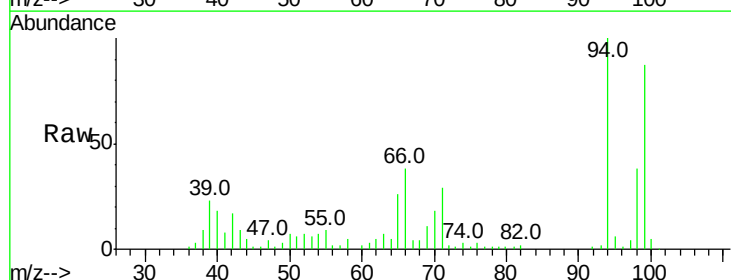
Tgt Ion: 94 Resp: 58389

Ion Ratio Lower Upper

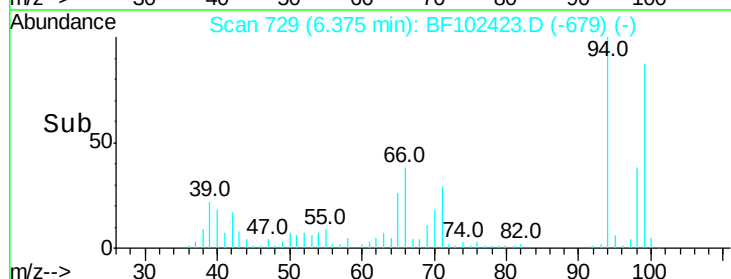
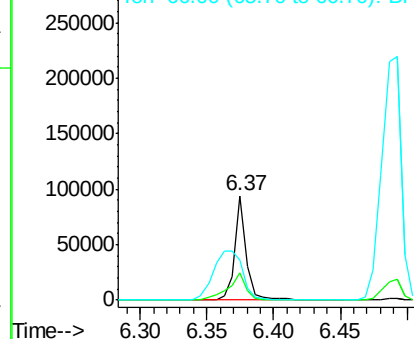
94 100

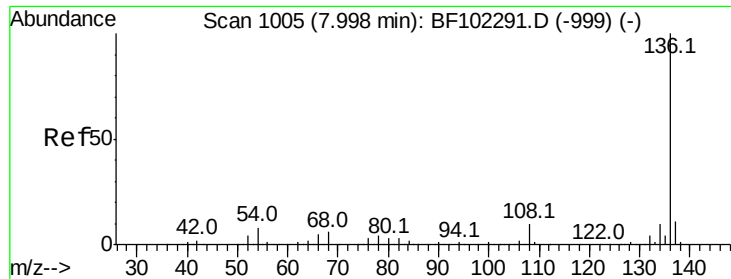
65 26.3 7.9 47.9

66 37.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





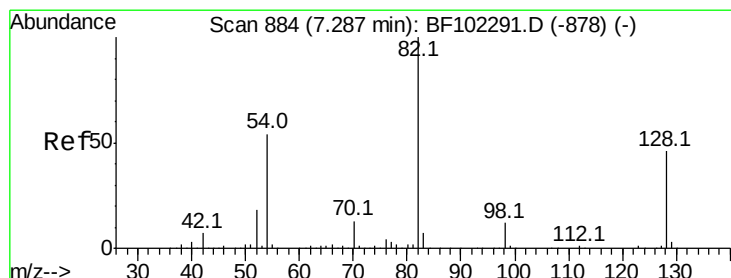
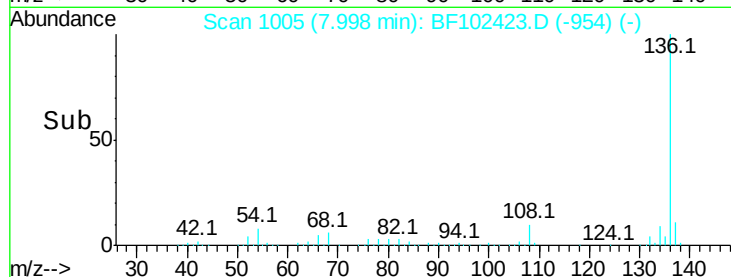
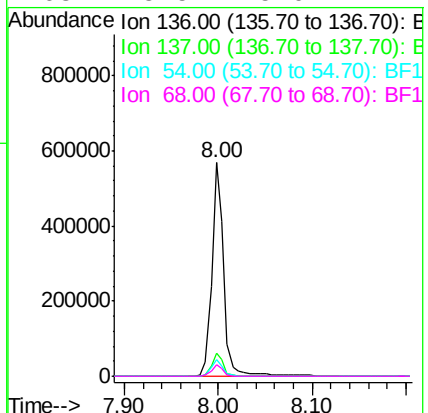
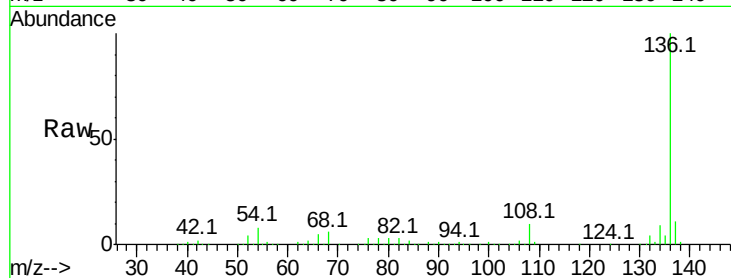
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102423.D
Acq: 25 Jan 2018 13:52

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW4-8)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	7.8	6.6	9.8	
68	5.5	5.0	7.4	

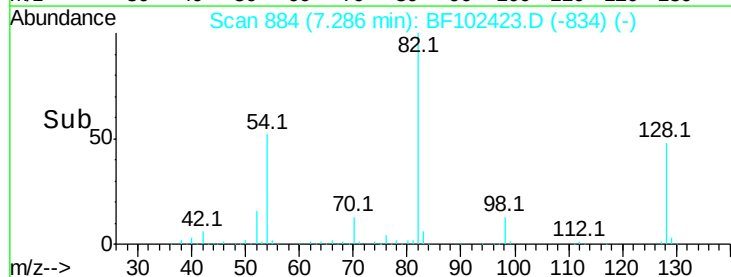
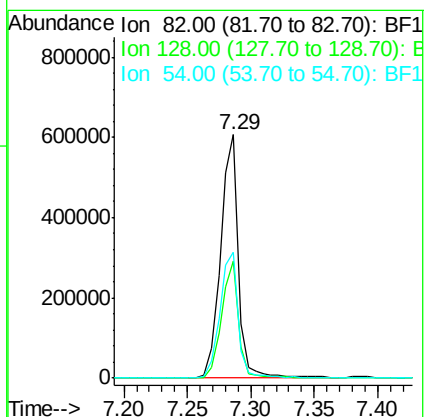
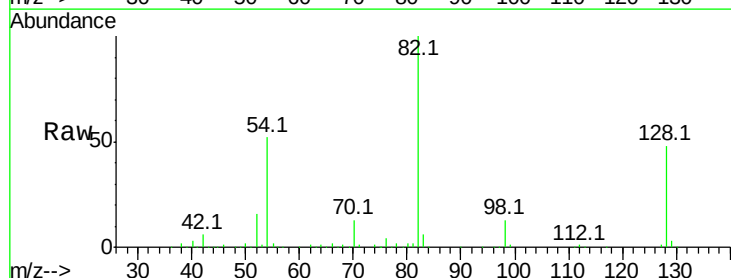
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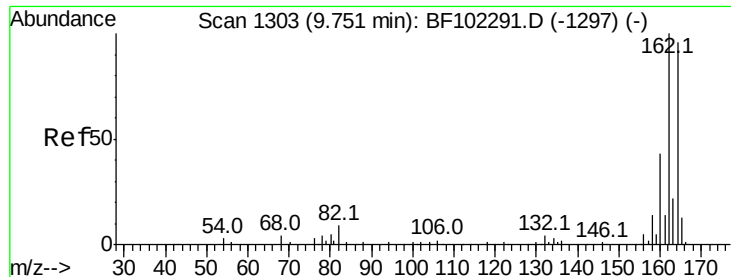
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#23
Nitrobenzene-d5
Concen: 66.706 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102423.D
Acq: 25 Jan 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.1	36.1	54.1	
54	51.8	41.4	62.2	





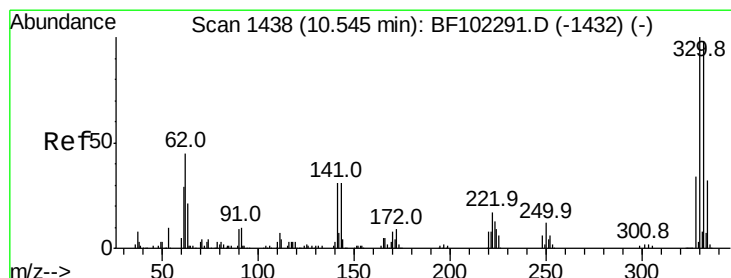
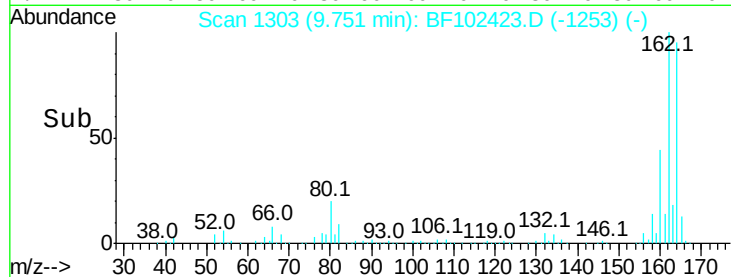
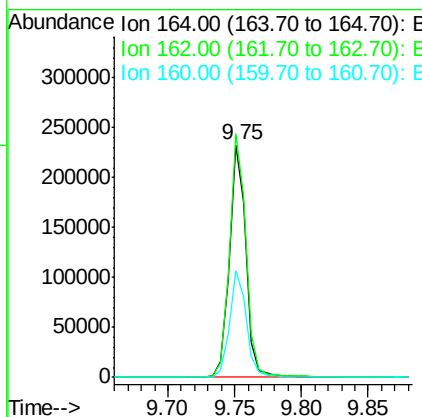
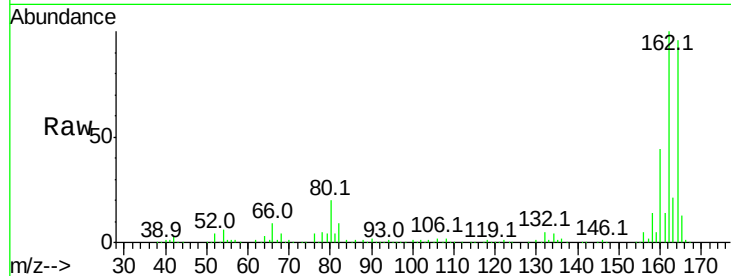
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102423.D
Acq: 25 Jan 2018 13:52

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW4-8)

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	45.7	38.3	57.5

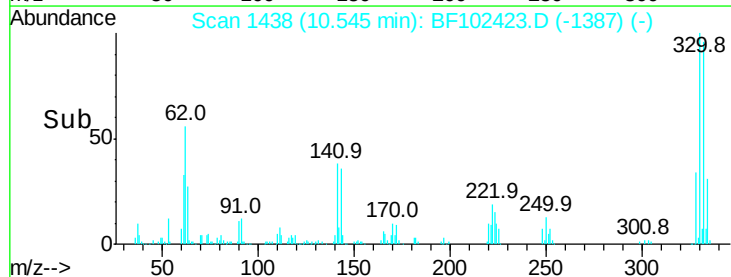
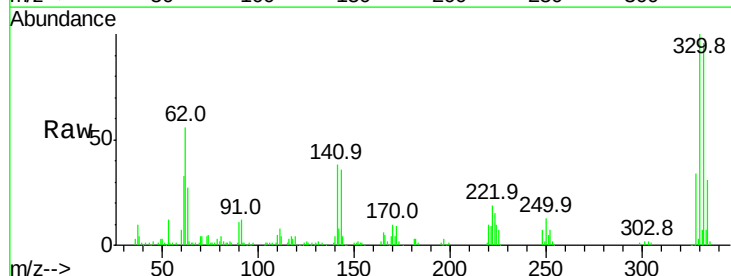
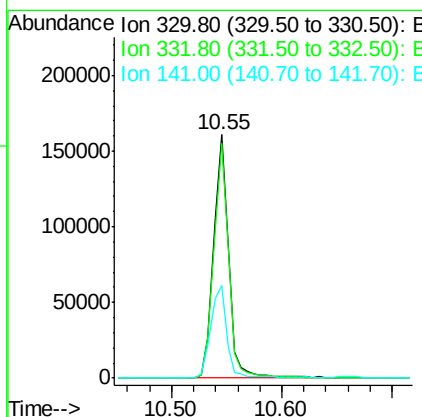
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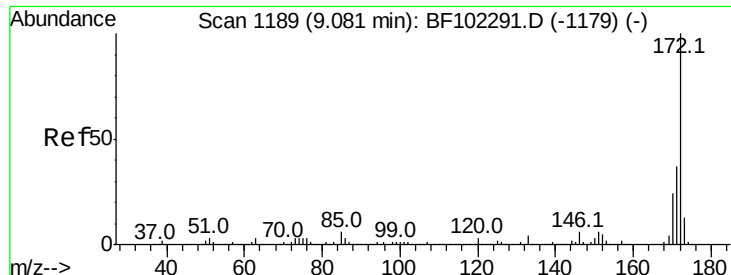
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#41
2,4,6-Tribromophenol
Concen: 74.508 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BF102423.D
Acq: 25 Jan 2018 13:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	40.5	29.9	44.9





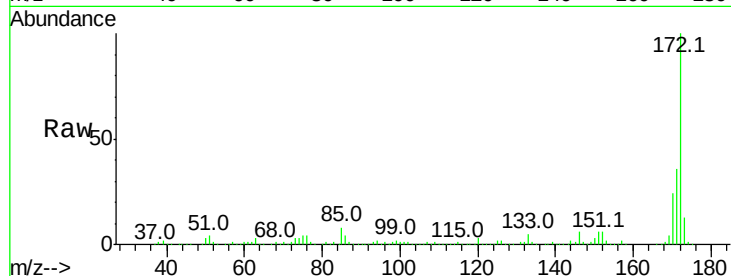
#44
 2-Fluorobiphenyl
 Concen: 73.055 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102423.D
 Acq: 25 Jan 2018 13:52

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(EW4-8)

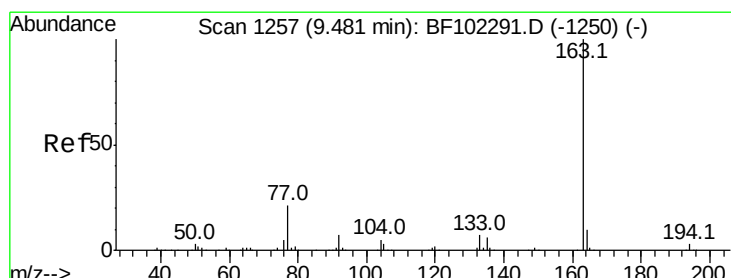
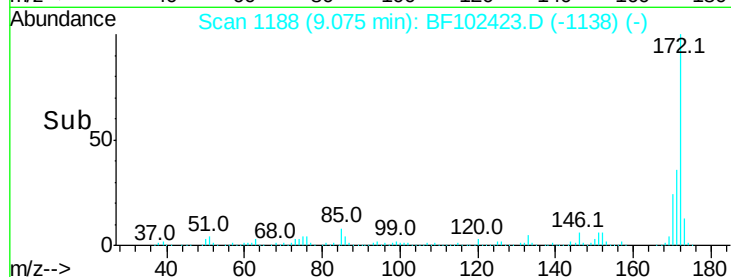
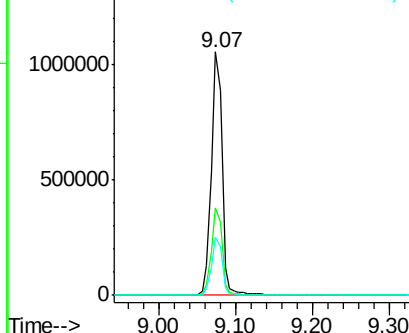
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.6	19.6	29.4

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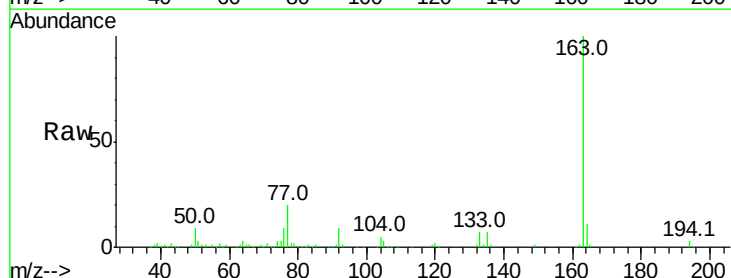


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

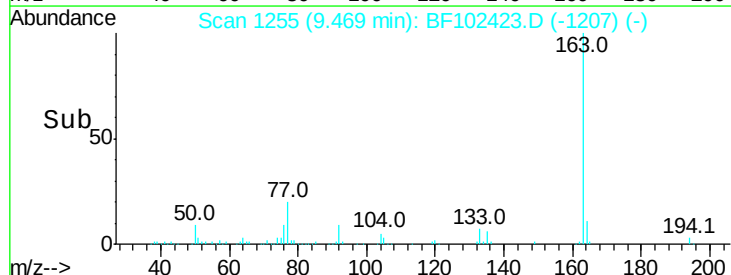
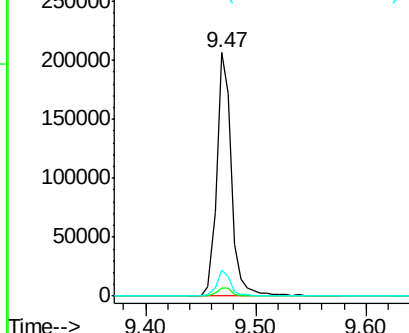


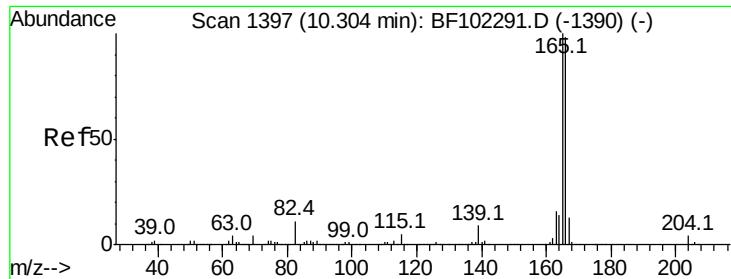
#49
 Dimethylphthalate
 Concen: 11.319 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.02 min
 Lab File: BF102423.D
 Acq: 25 Jan 2018 13:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.5	8.2	12.2



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





#57

Fluorene

Concen: 2.722 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Instrument :

BNA_F

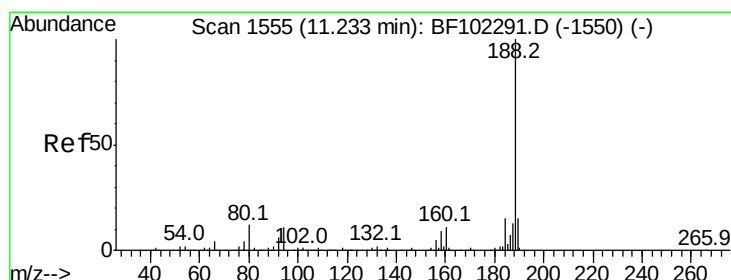
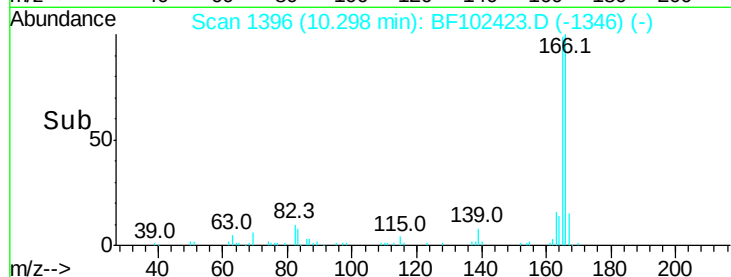
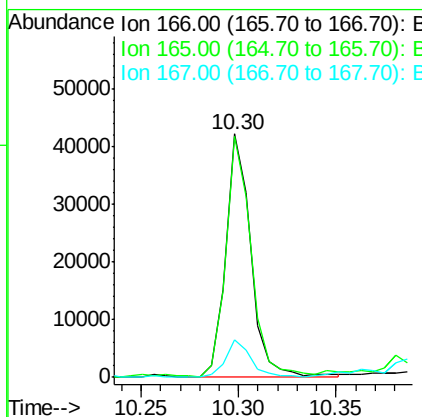
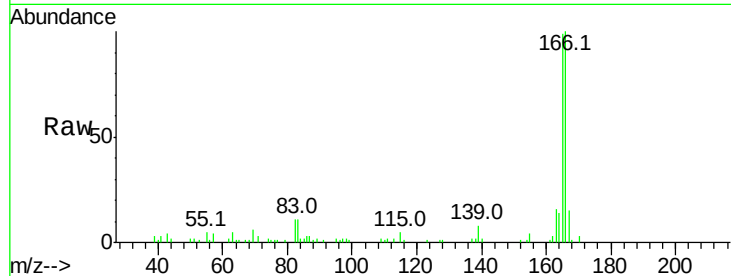
ClientSampleId :

DB-OF-N-S-(EW4-8)

Tot Ion:	166	Resp:	37778
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.8	119.8
167	15.4	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

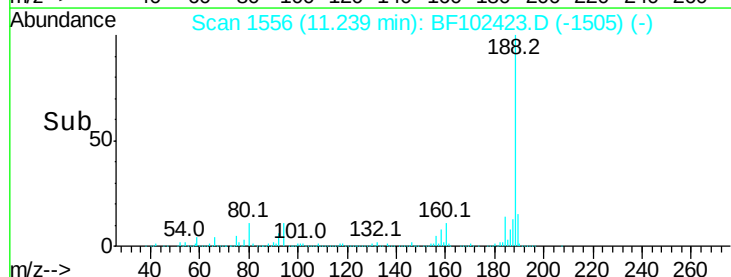
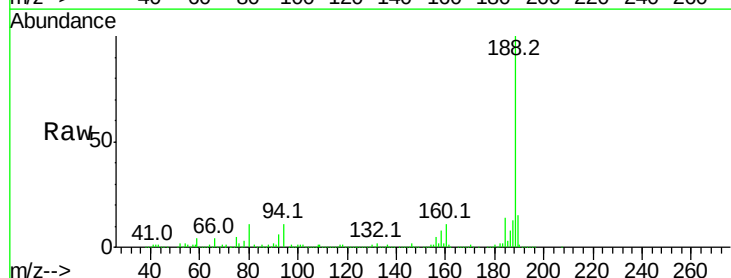
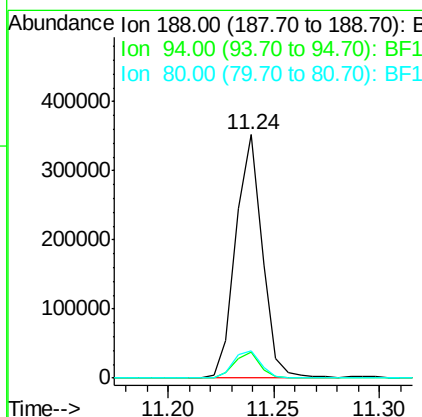
RT: 11.24 min Scan# 1556

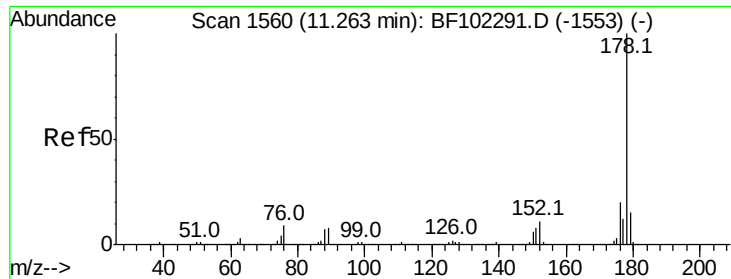
Delta R.T. 0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Tgt Ion:	188	Resp:	305038
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	11.3	9.2	13.8





#70

Phenanthrene

Concen: 18.618 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Instrument :

BNA_F

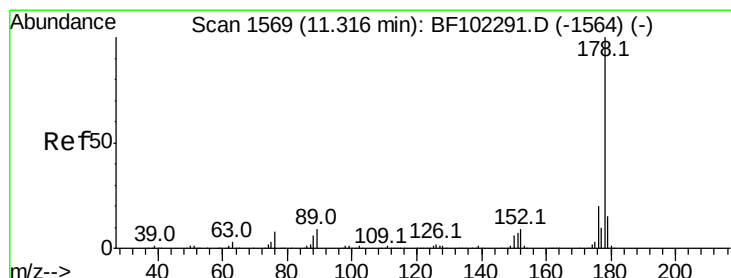
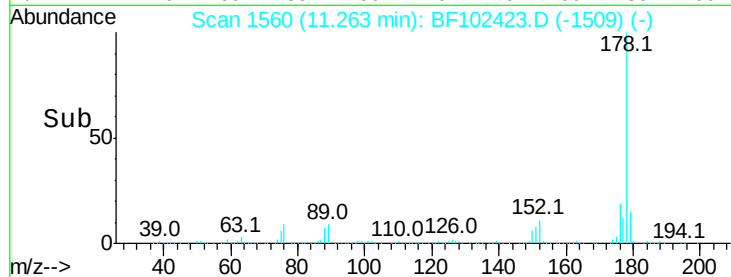
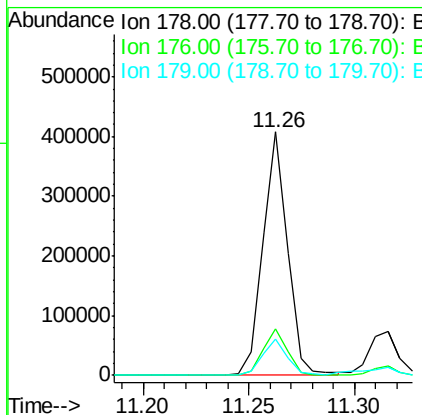
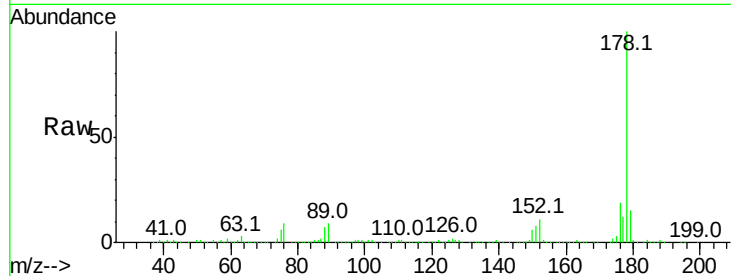
ClientSampleId :

DB-OF-N-S-(EW4-8)

Tot Ion:	178	Resp:	330931
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	15.2	13.0	19.6

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#71

Anthracene

Concen: 3.586 ng

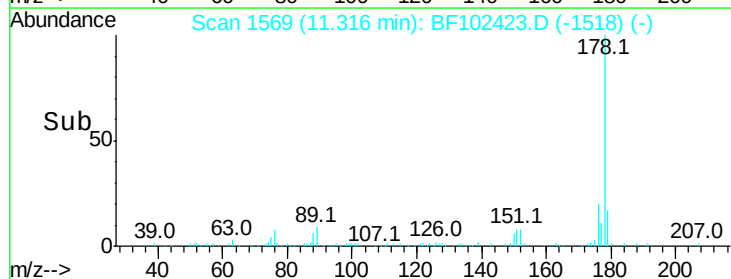
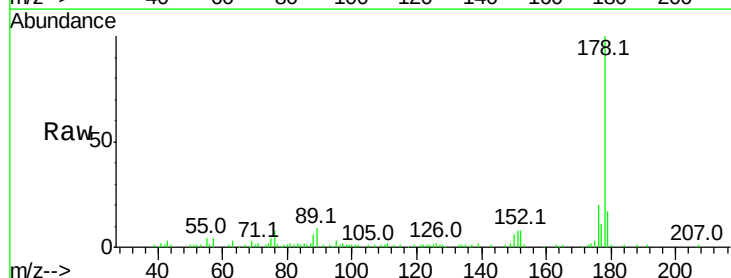
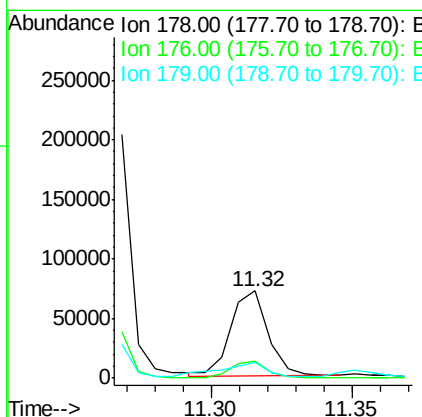
RT: 11.32 min Scan# 1569

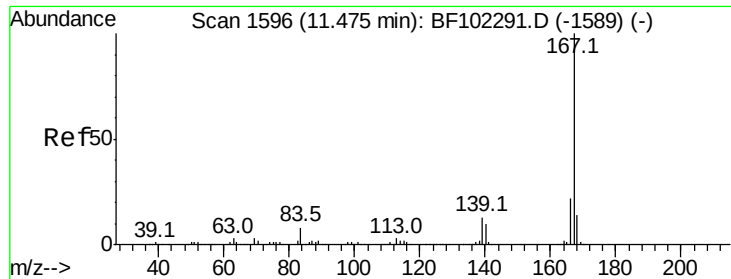
Delta R.T. 0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Tgt Ion:	178	Resp:	65059
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.4	23.2
179	17.5	12.6	19.0





#72

Carbazole

Concen: 2.181 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Instrument :

BNA_F

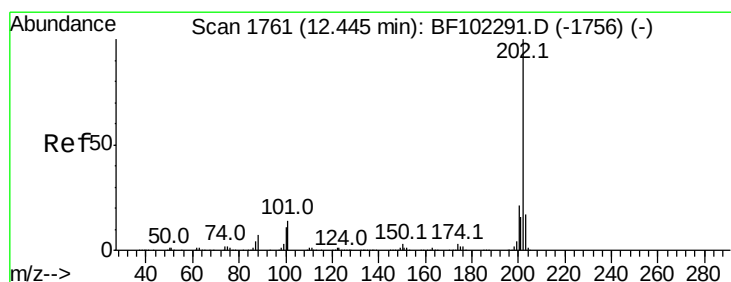
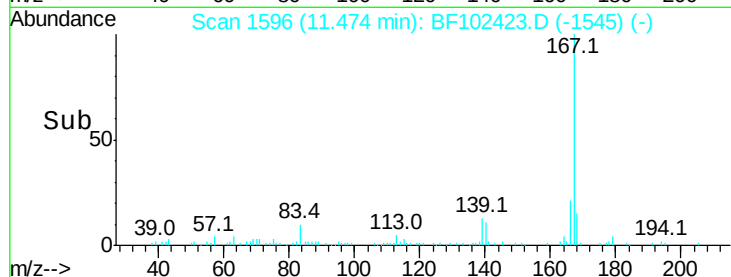
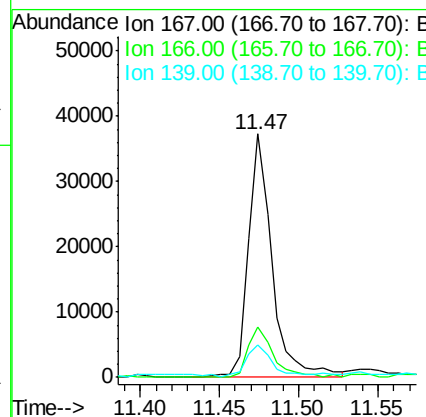
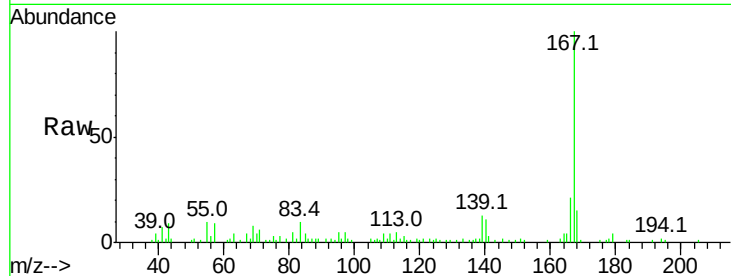
ClientSampleId :

DB-OF-N-S-(EW4-8)

Tot Ion:	167	Resp:	38606
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.6	26.4
139	13.3	10.9	16.3

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#74

Fluoranthene

Concen: 19.375 ng

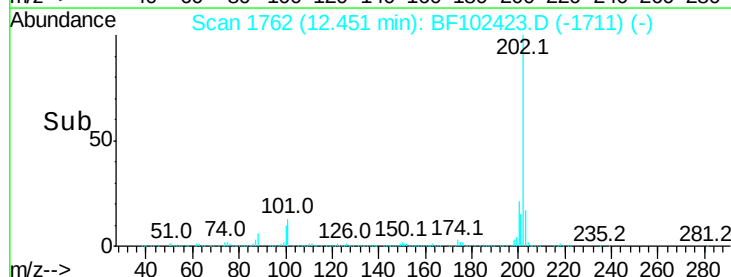
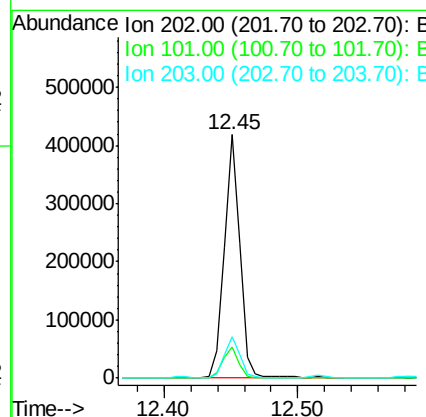
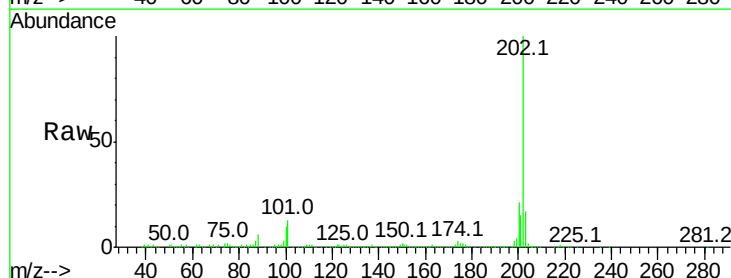
RT: 12.45 min Scan# 1762

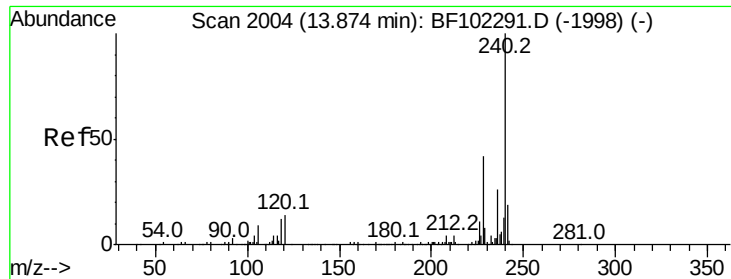
Delta R.T. 0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Tgt Ion:	202	Resp:	351196
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.1
203	17.1	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: BF102423.D

Acq: 25 Jan 2018 13:52

Instrument :

BNA_F

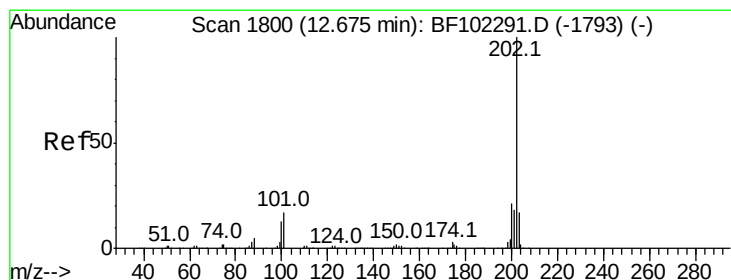
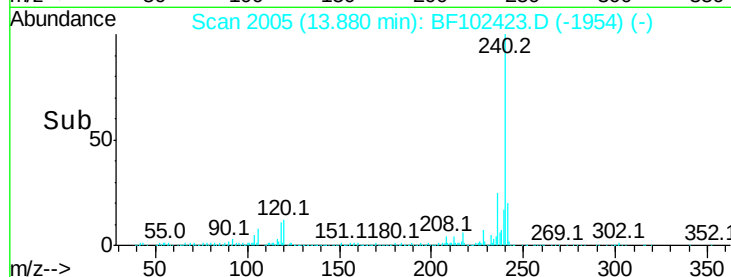
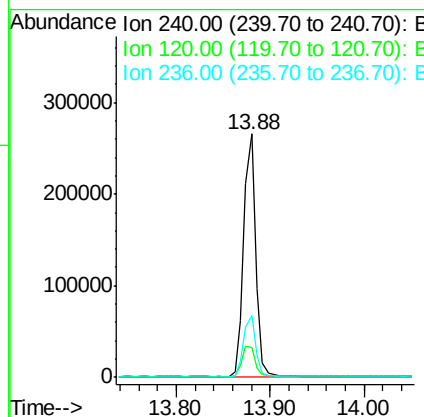
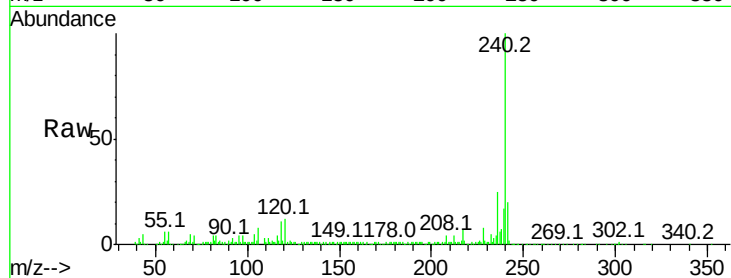
ClientSampleId :

DB-OF-N-S-(EW4-8)

Tot Ion:	240	Resp:	240707
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	25.5	20.7	31.1

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#77

Pyrene

Concen: 15.425 ng

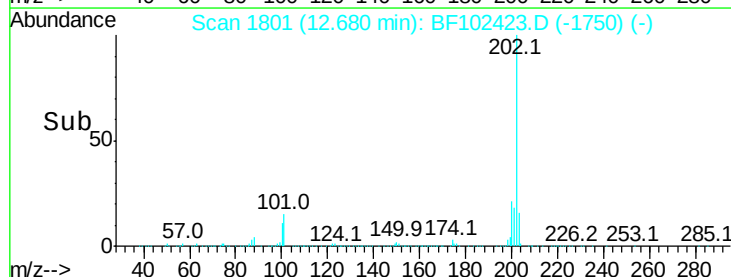
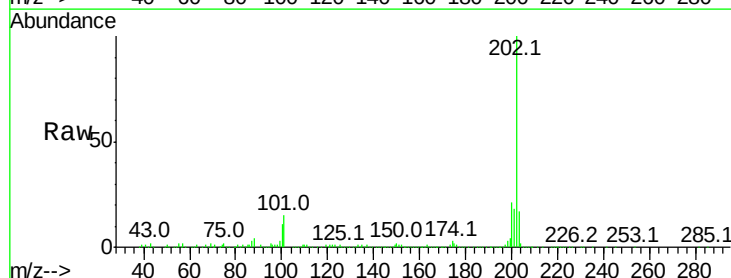
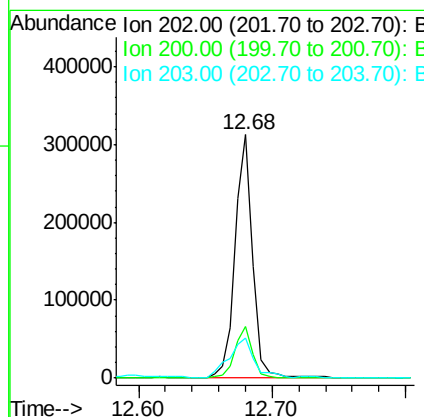
RT: 12.68 min Scan# 1801

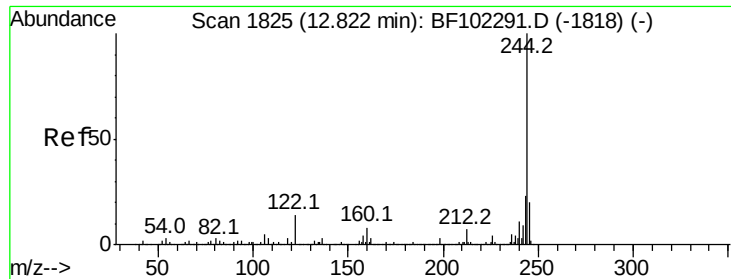
Delta R.T. 0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Tgt Ion:	202	Resp:	287068
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	16.6	14.3	21.5





#78

Terphenyl-d14

Concen: 67.006 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Instrument :

BNA_F

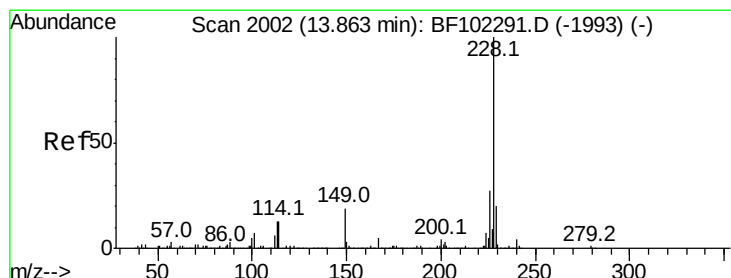
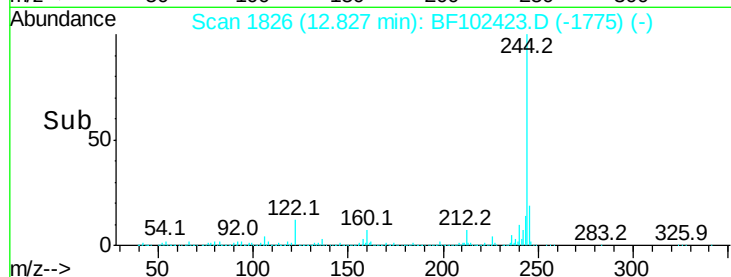
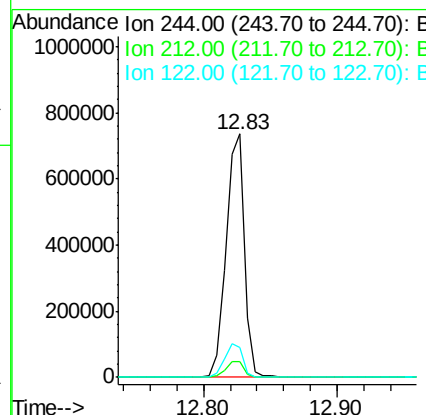
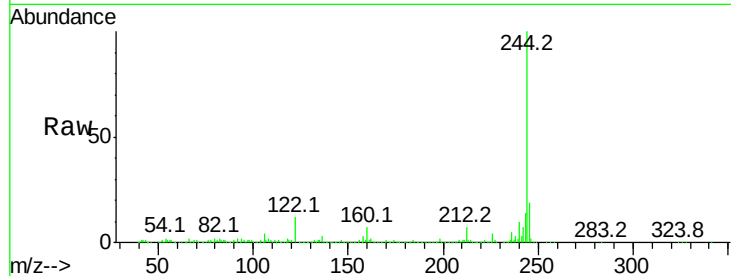
ClientSampleId :

DB-OF-N-S-(EW4-8)

Tot Ion:	244	Resp:	715454
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	12.1	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 8.425 ng

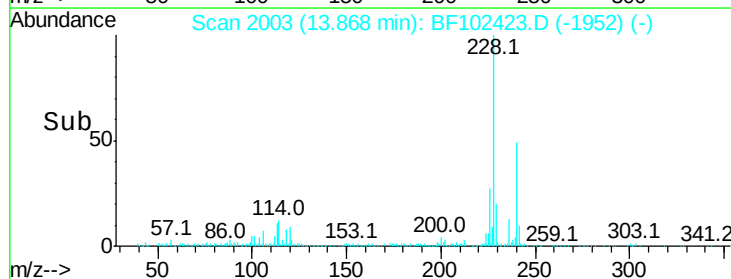
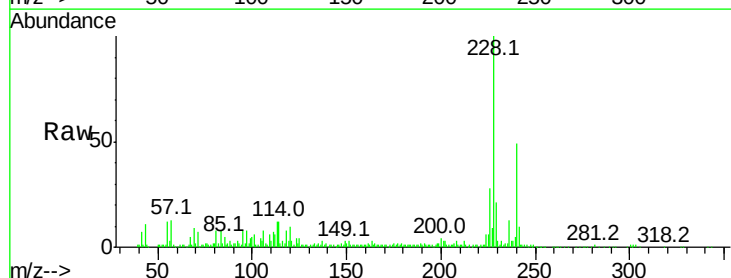
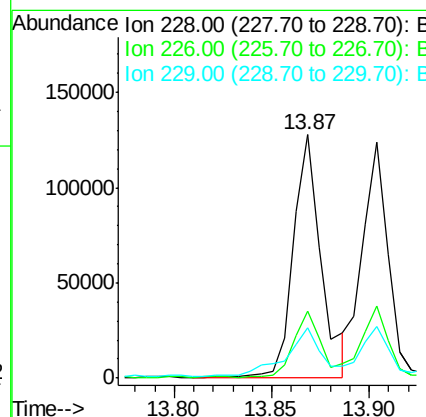
RT: 13.87 min Scan# 2003

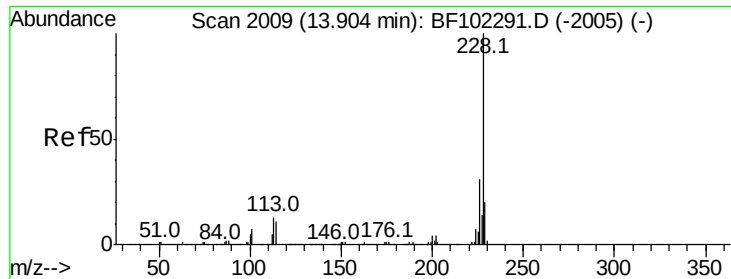
Delta R.T. -0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Tgt Ion:	228	Resp:	124856
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.6	33.8
229	20.5	15.8	23.6





#82

Chrysene

Concen: 7.609 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Instrument :

BNA_F

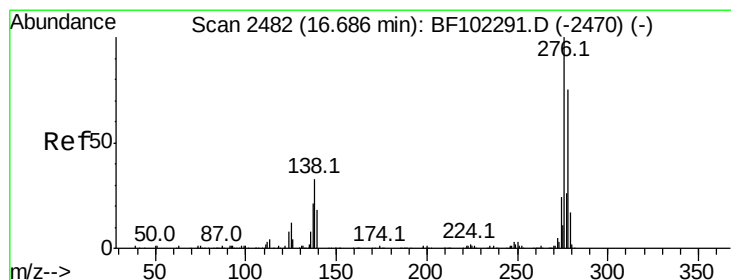
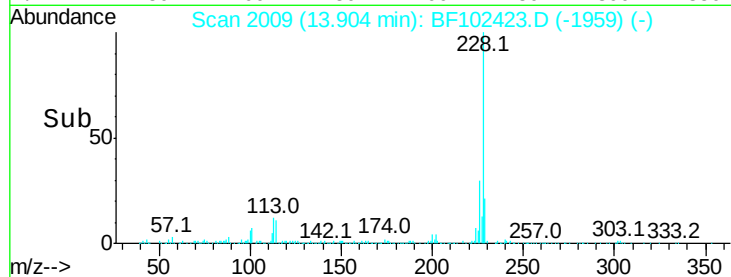
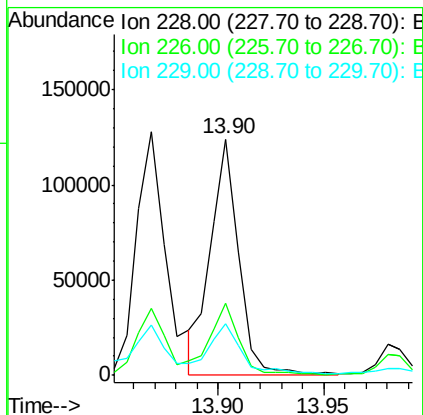
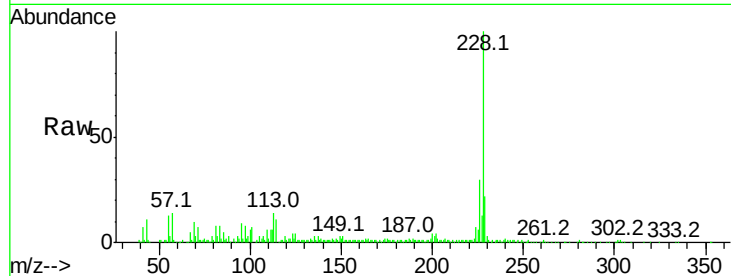
ClientSampleId :

DB-OF-N-S-(EW4-8)

Tot Ion:	228	Resp:	114511
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.0	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.580 ng

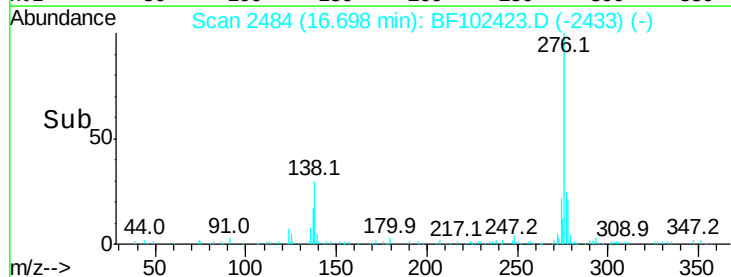
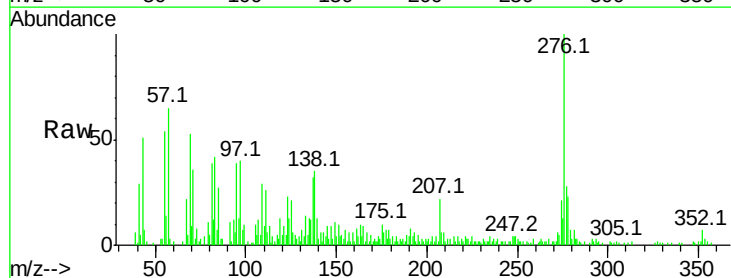
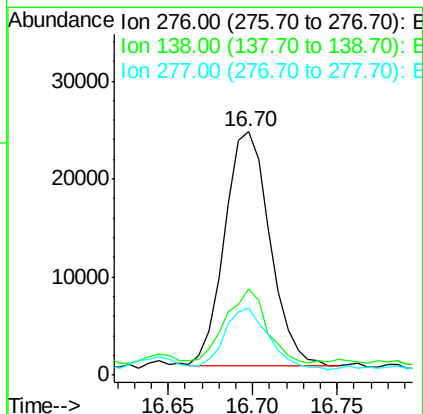
RT: 16.70 min Scan# 2484

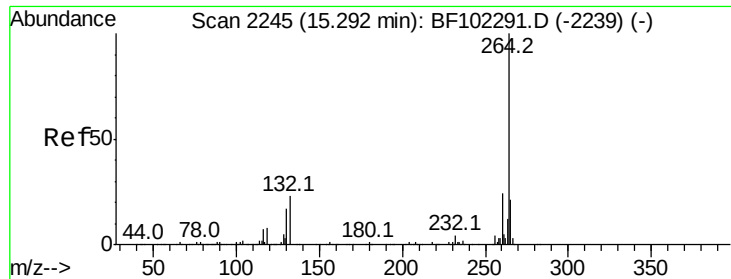
Delta R.T. 0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Tgt Ion:	276	Resp:	44489
Ion Ratio	Lower	Upper	
276	100		
138	29.1	25.0	37.6
277	25.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.01 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Instrument :

BNA_F

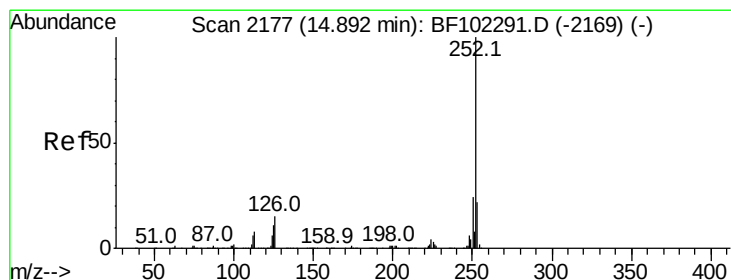
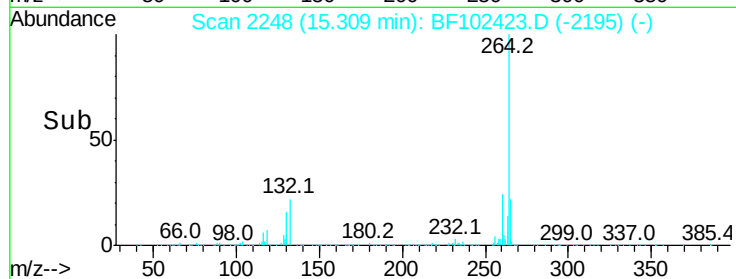
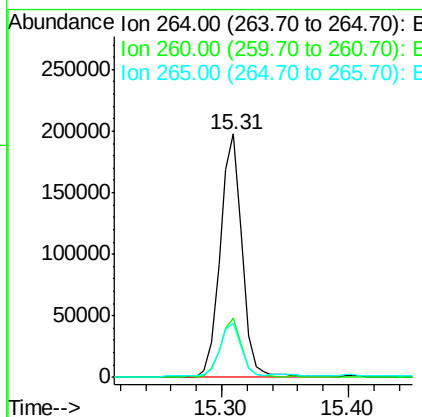
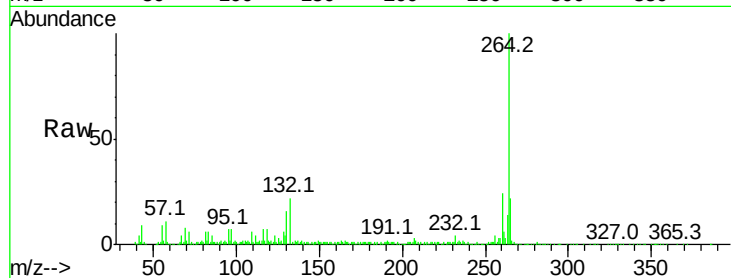
ClientSampleId :

DB-OF-N-S-(EW4-8)

Tot Ion:	264	Resp:	234998
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	22.0	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 9.080 ng m

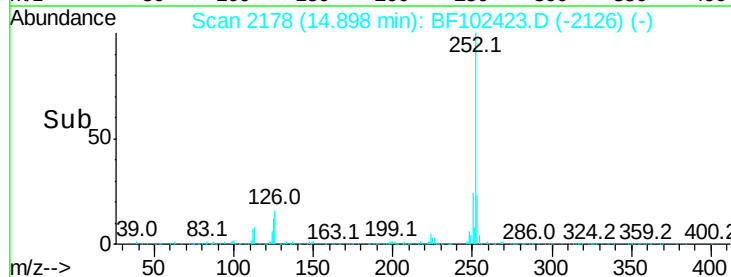
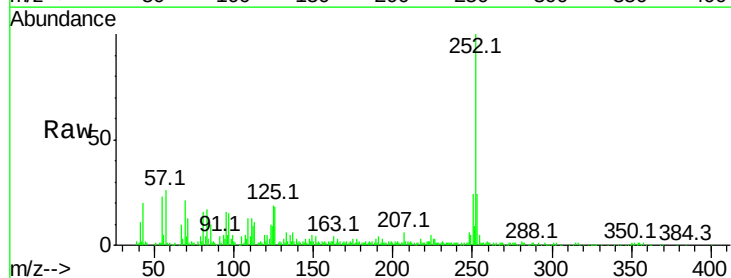
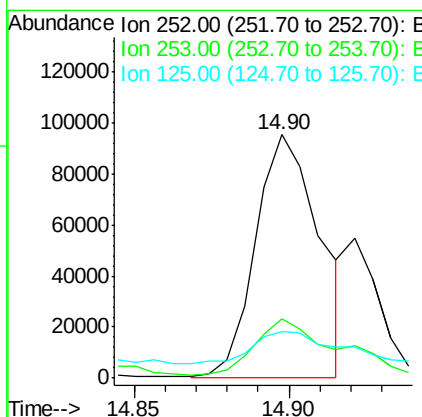
RT: 14.90 min Scan# 2178

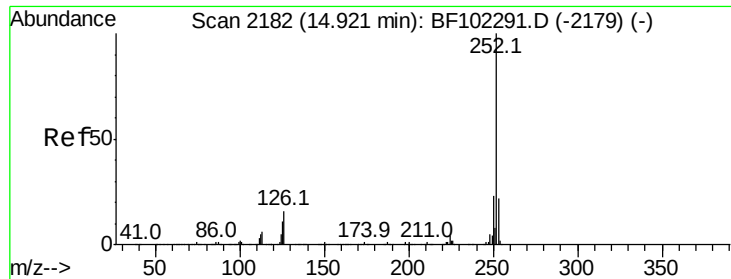
Delta R.T. 0.01 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Tgt Ion:	252	Resp:	138302
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.0	25.6
125	19.0	9.0	13.6#





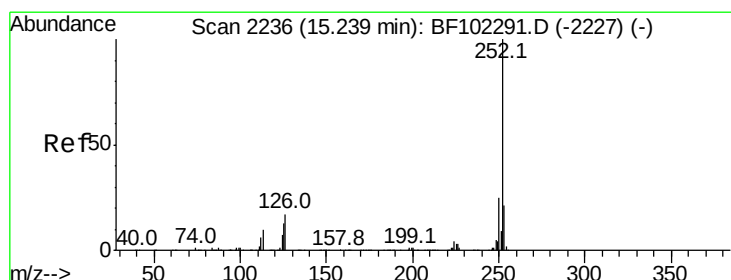
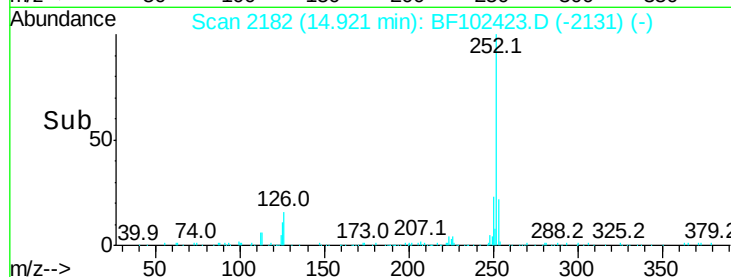
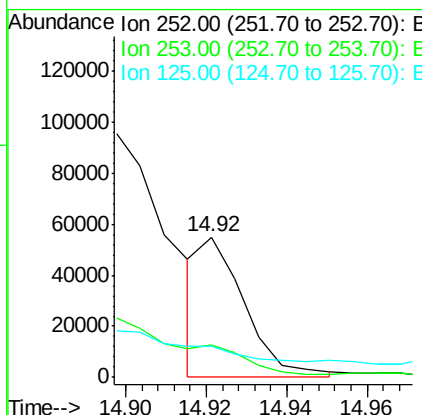
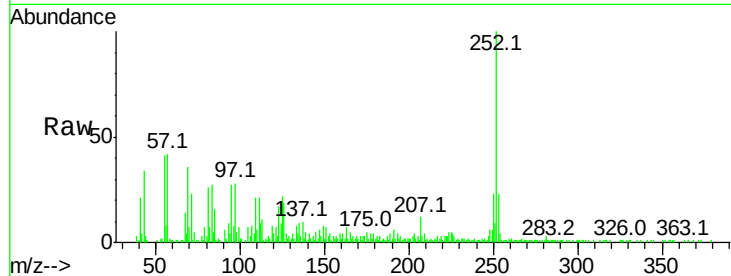
#88
Benzo(k)fluoranthene
Concen: 2.936 ng/mL
RT: 14.92 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BF102423.D
Acq: 25 Jan 2018 13:52

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(EW4-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	21.9	10.2	15.2

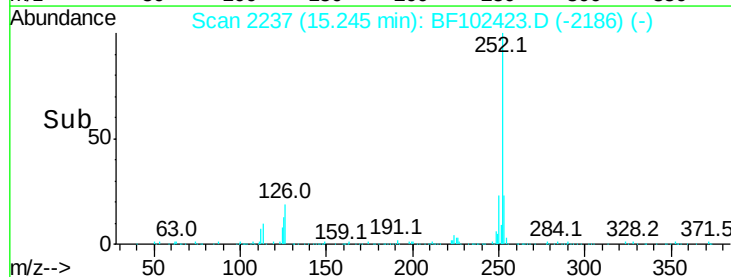
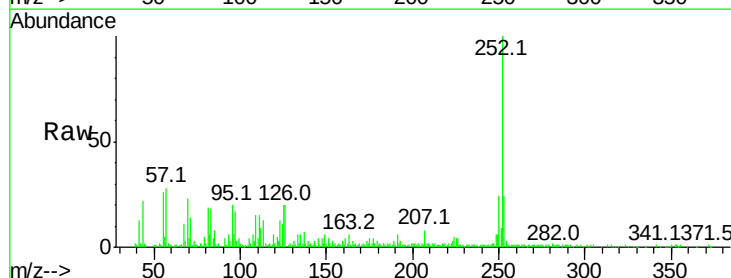
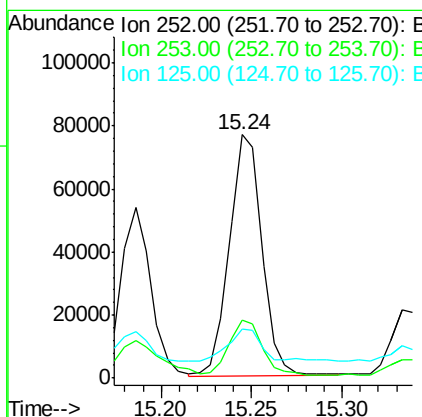
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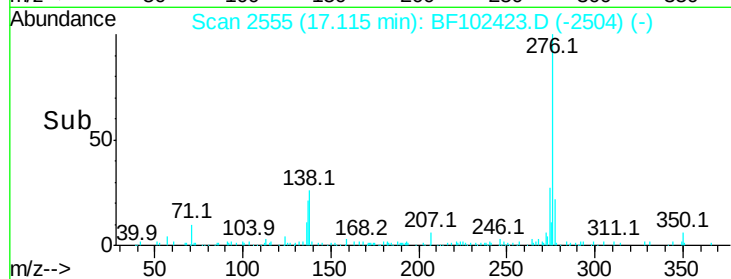
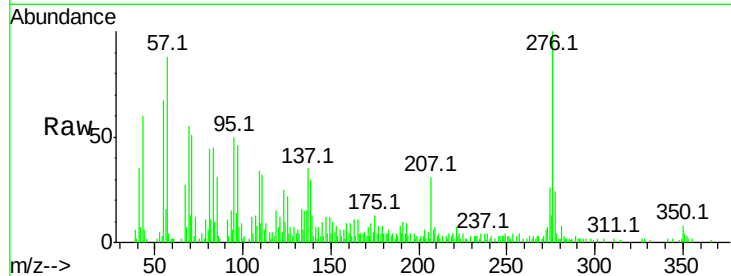
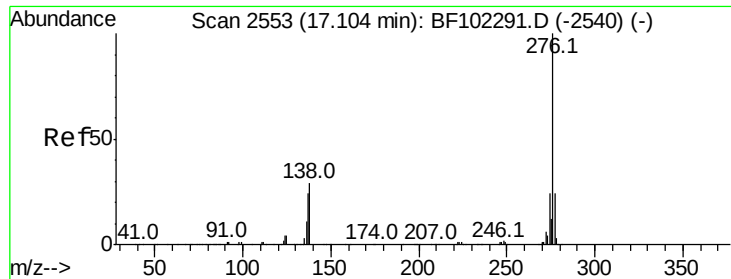
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#89
Benzo(a)pyrene
Concen: 7.027 ng/mL
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF102423.D
Acq: 25 Jan 2018 13:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	20.3	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.085 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.00 min

Lab File: BF102423.D

Acq: 25 Jan 2018 13:52

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(EW4-8)

Tot Ion: 276 Resp: 44883

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 30.3 21.8 32.8

Manual Integrations

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