

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102478.D
 Acq On : 26 Jan 2018 19:36
 Operator : SJ/JU
 Sample : J1020-09 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-012418-A

Manual Integrations
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Quant Time: Jan 26 22:32:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	163711	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	668021	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	262169	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	371430	20.00	ng	0.00
75) Chrysene-d12	13.89	240	289078	20.00	ng	0.00
86) Perylene-d12	15.32	264	200510	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	570018	52.79	ng	0.00
7) Phenol-d6	6.36	99	685701	52.68	ng	0.00
23) Nitrobenzene-d5	7.29	82	327373	28.16	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	77978	30.02	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	674548	37.83	ng	0.00
78) Terphenyl-d14	12.83	244	447760	34.92	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.47	163	82422	3.804	ng	99
57) Fluorene	10.30	166	58291	3.279	ng	94
70) Phenanthrene	11.27	178	408292	18.864	ng	99
71) Anthracene	11.32	178	159254	7.209	ng	98
74) Fluoranthene	12.46	202	486937	22.062	ng	99
77) Pyrene	12.69	202	444721	19.898	ng	99
80) Benzo(a)anthracene	13.87	228	186146	10.459	ng	99
82) Chrysene	13.91	228	170918	9.457	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	48568	3.254	ng	96
87) Benzo(b)fluoranthene	14.91	252	146223m	11.251	ng	
88) Benzo(k)fluoranthene	14.93	252	46829m	3.814	ng	
89) Benzo(a)pyrene	15.26	252	98817	8.431	ng	# 92
91) Benzo(a,h,i)perylene	17.15	276	48701	5.195	ng	# 87

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

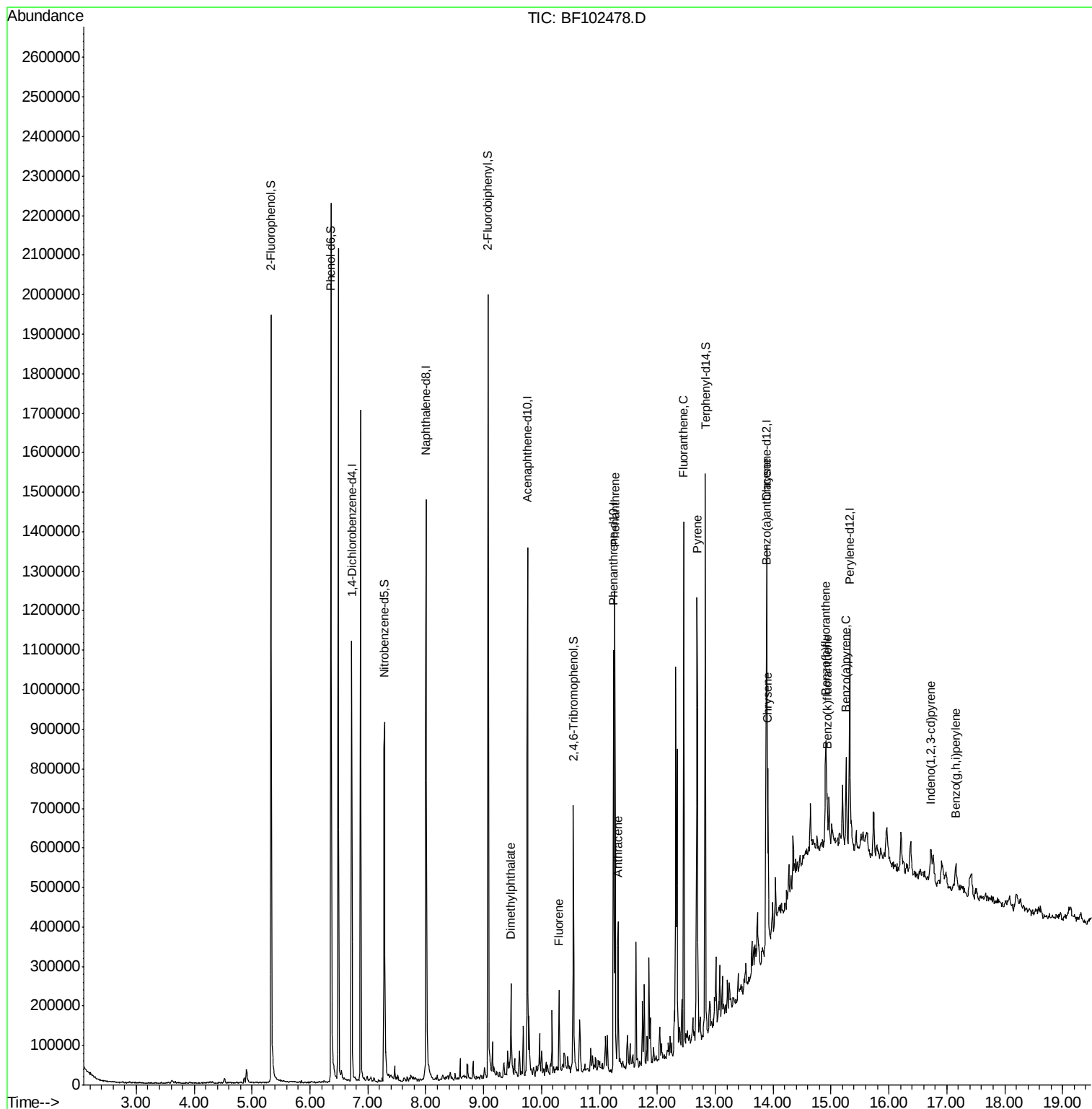
Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
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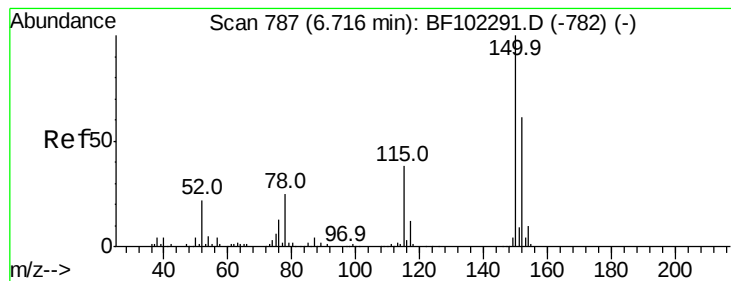
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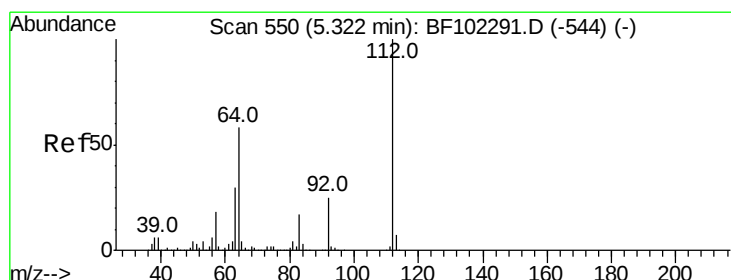
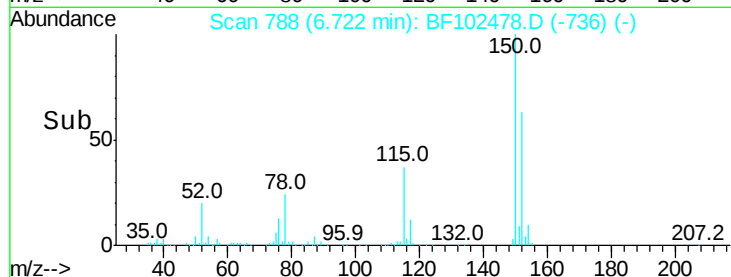
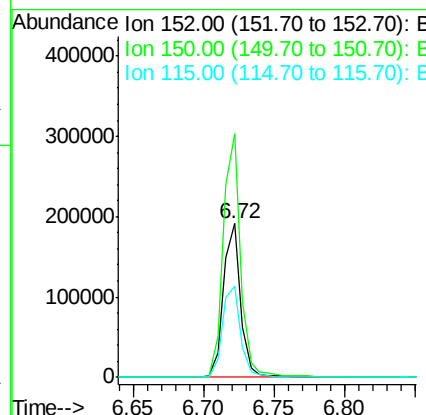
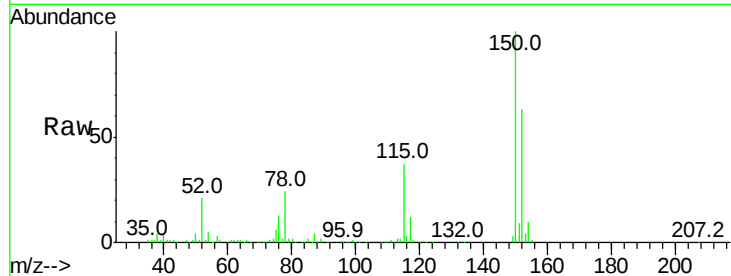
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-012418-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	59.2	50.1	75.1

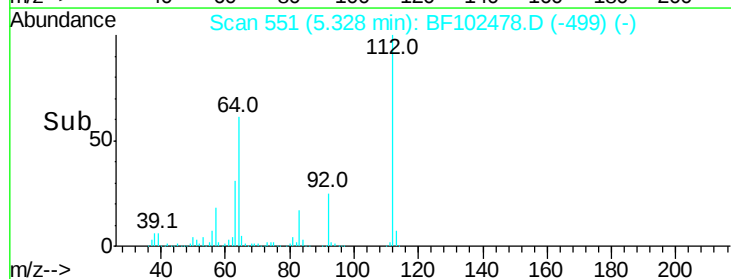
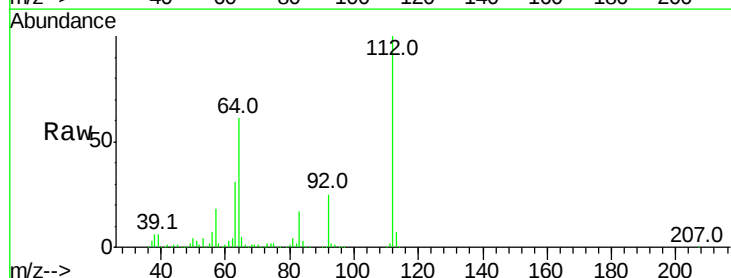
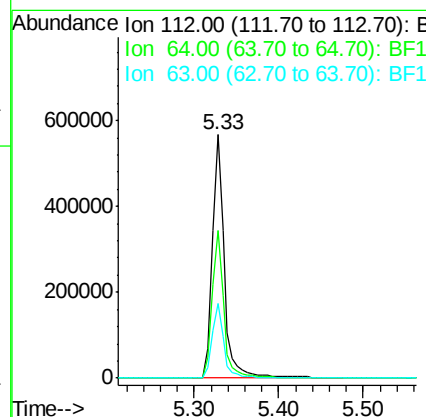
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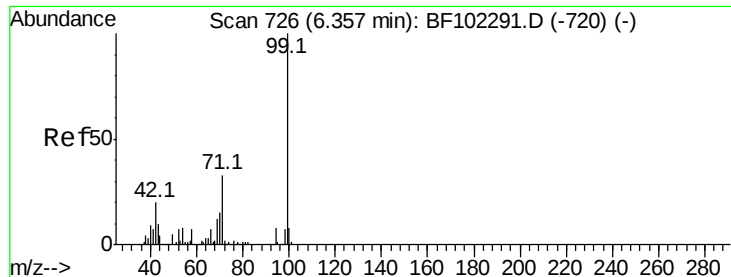
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#5
 2-Fluorophenol
 Concen: 52.794 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	30.5	23.7	35.5





#7

Phenol-d6

Concen: 52.678 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

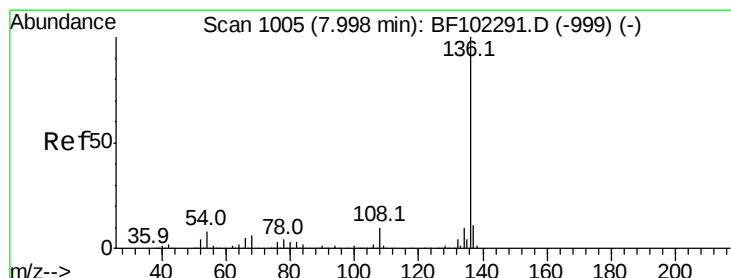
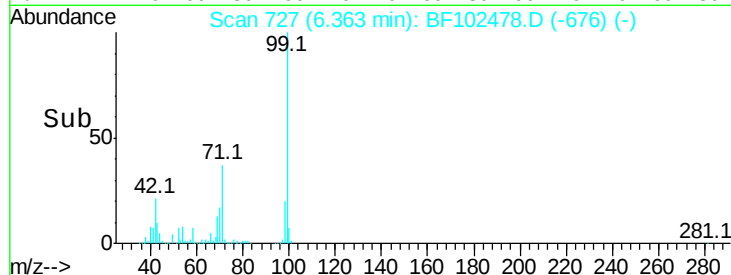
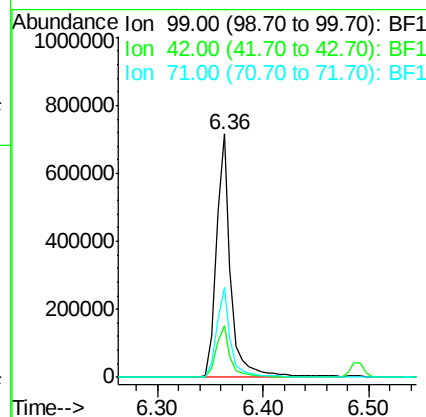
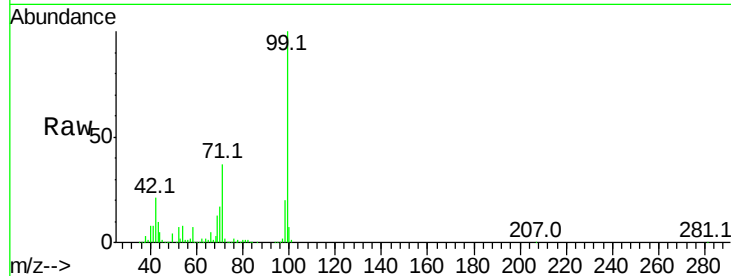
ClientSampleId :

PL-02-012418-A

Tot Ion:	99	Resp:	685701
Ion Ratio	Lower	Upper	
99	100		
42	21.2	14.5	21.7
71	37.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

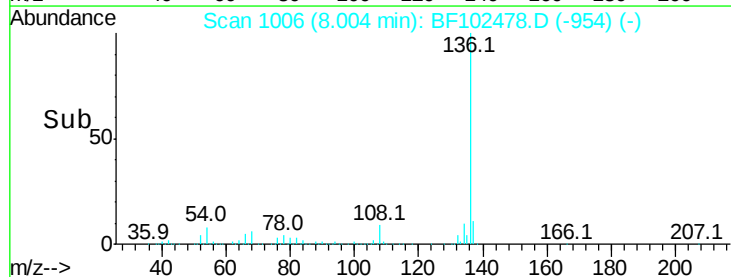
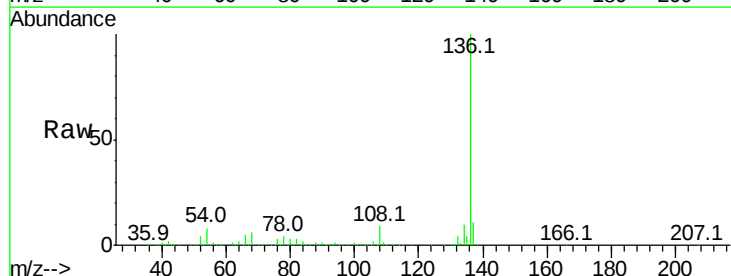
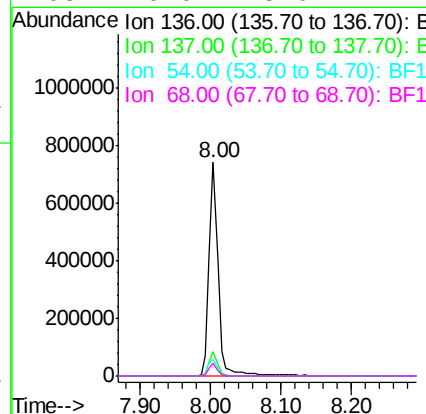
RT: 8.00 min Scan# 1006

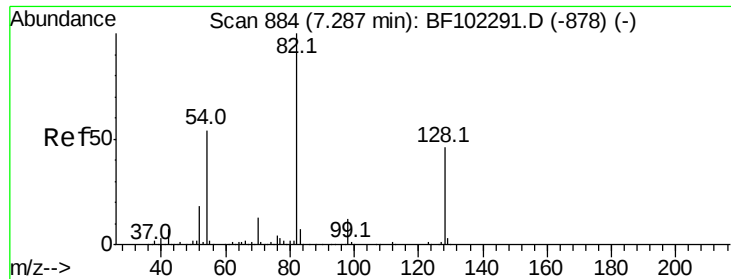
Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Tgt Ion:	136	Resp:	668021
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.9	6.6	9.8
68	6.0	5.0	7.4





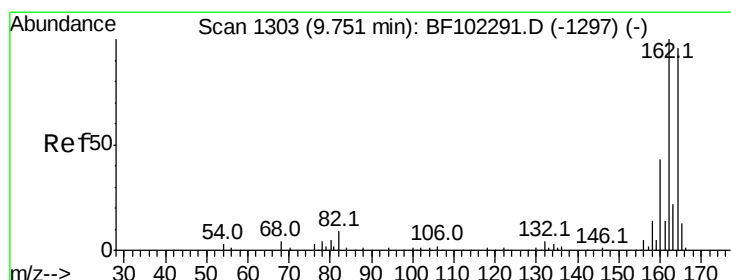
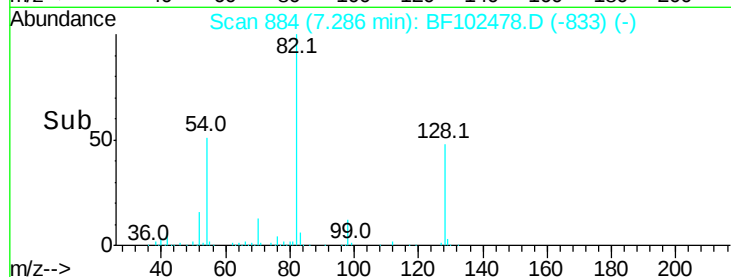
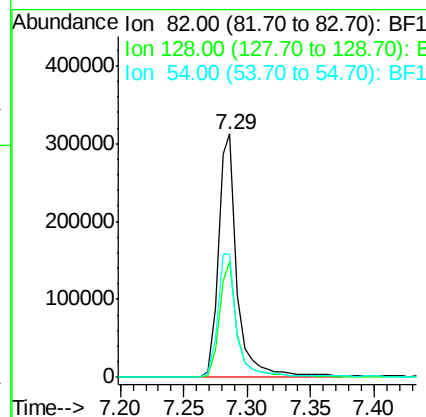
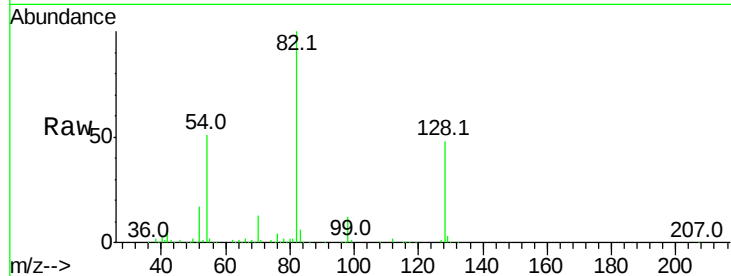
#23
 Nitrobenzene-d5
 Concen: 28.162 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-012418-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	50.6	41.4	62.2

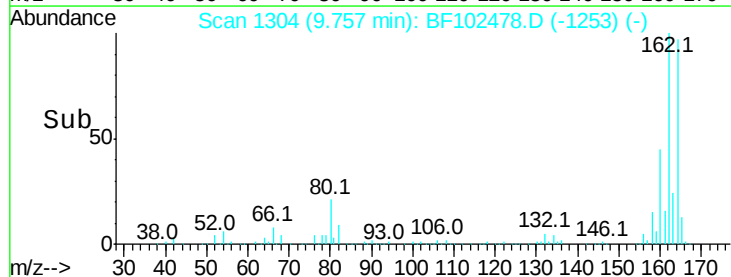
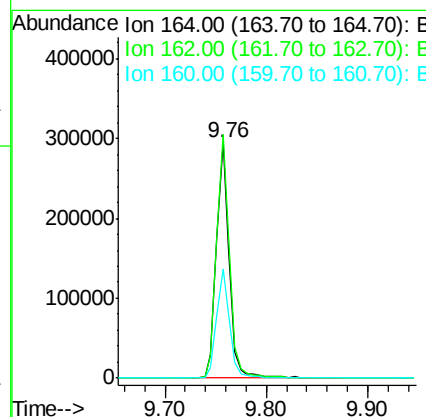
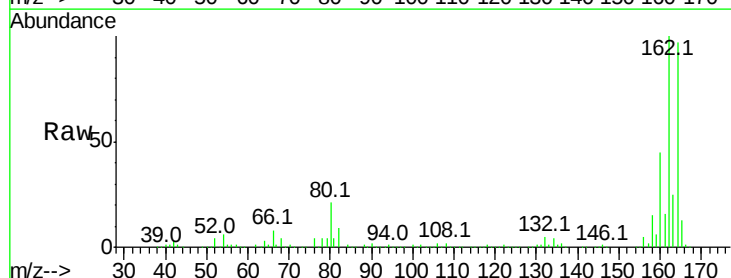
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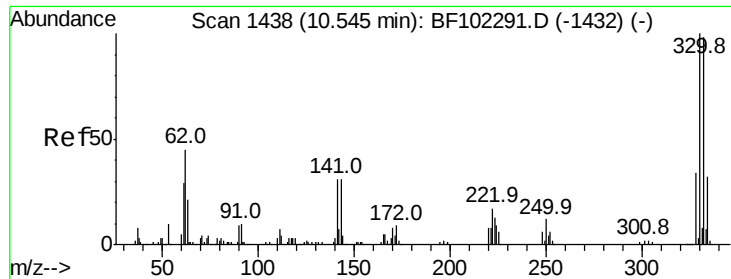
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	46.2	38.3	57.5





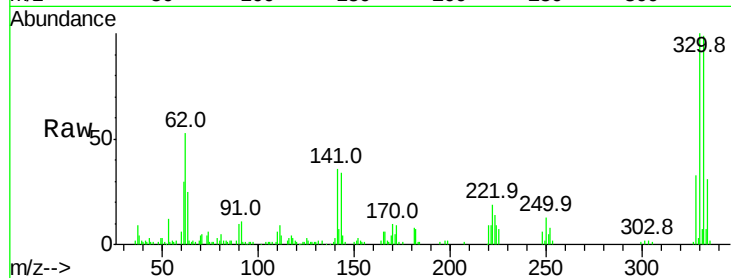
#41
 2,4,6-Tribromophenol
 Concen: 30.018 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-012418-A

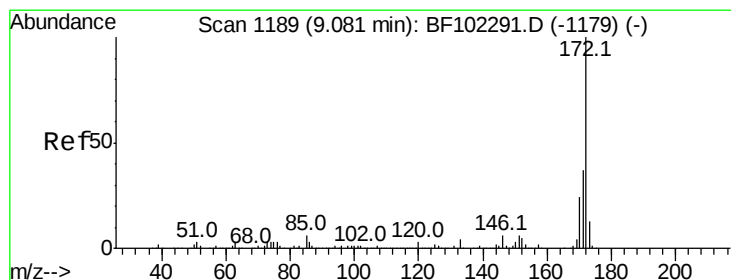
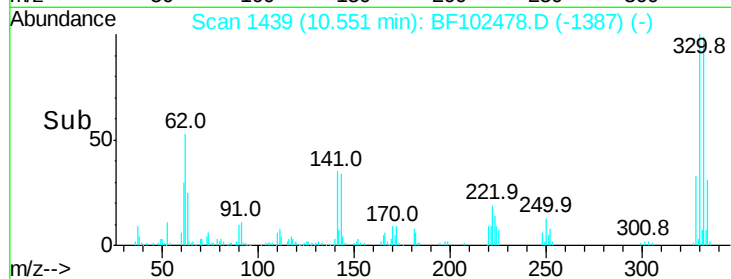
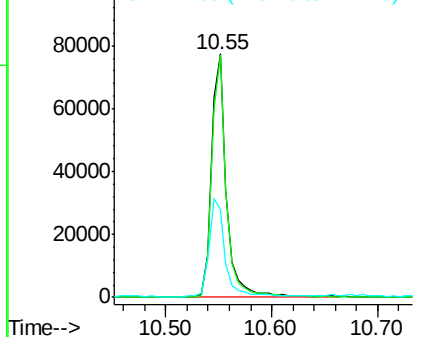
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	44.2	29.9	44.9

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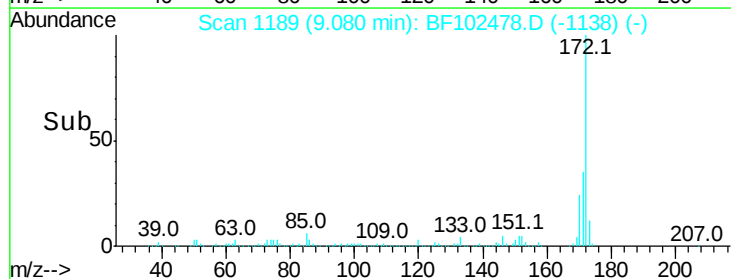
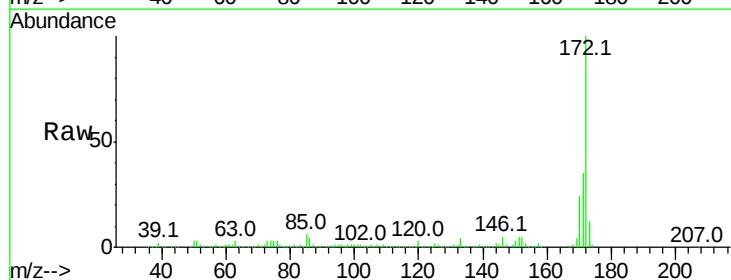
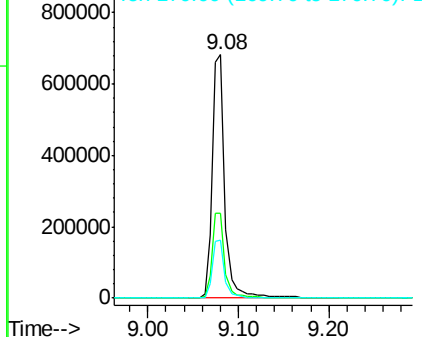
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 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

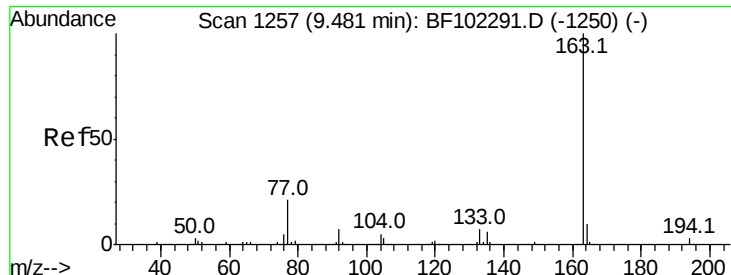


#44
 2-Fluorobiphenyl
 Concen: 37.831 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	24.0	19.6	29.4

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





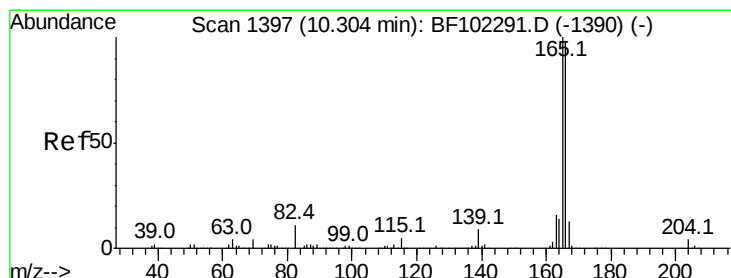
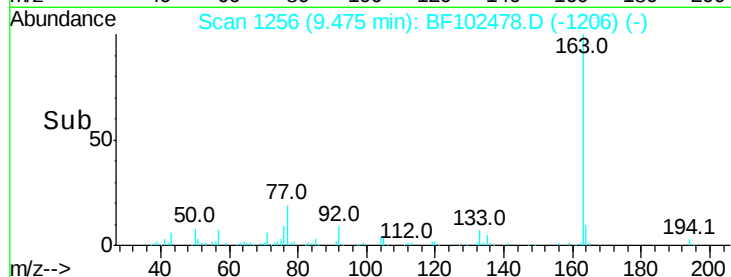
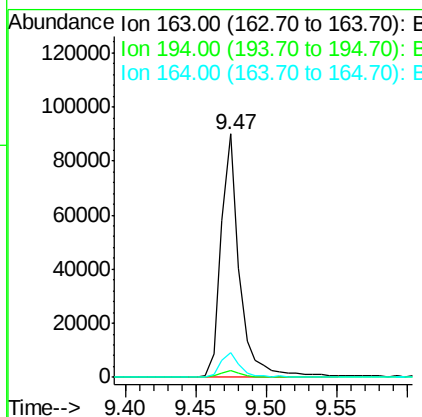
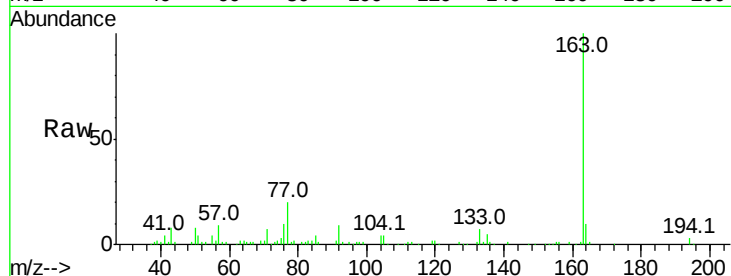
#49
Dimethylphthalate
Concen: 3.804 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Instrument :
BNA_F
ClientSampleId :
PL-02-012418-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.0	8.2	12.2

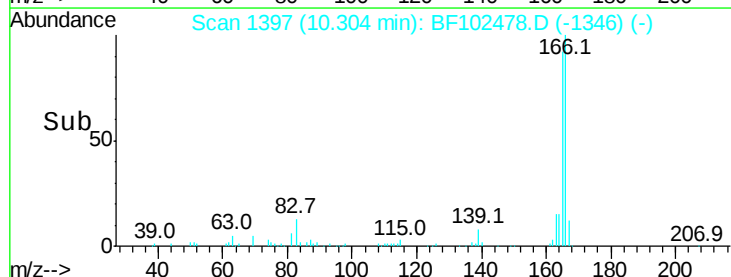
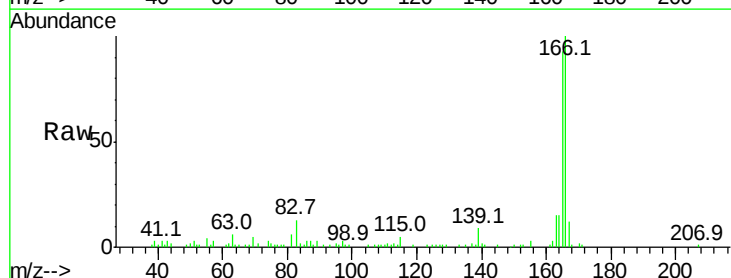
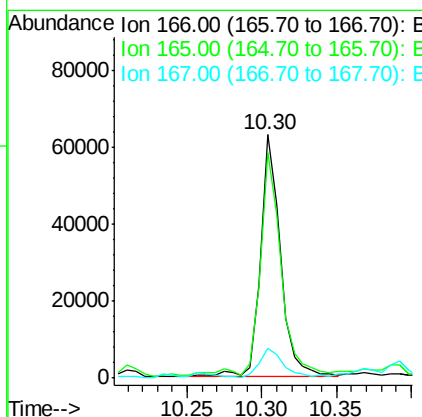
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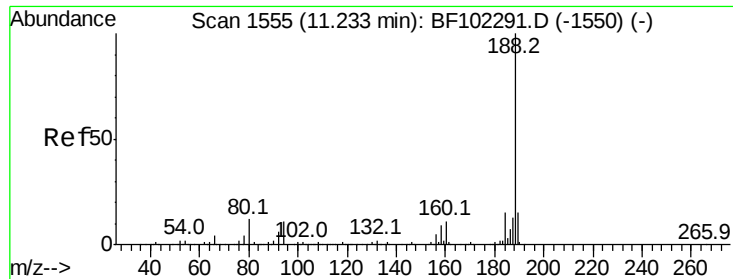
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#57
Fluorene
Concen: 3.279 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.9	79.8	119.8
167	12.2	10.6	16.0





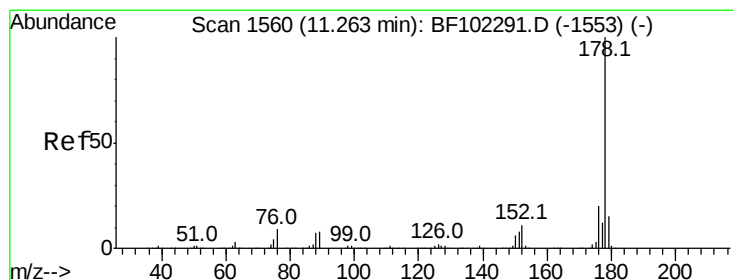
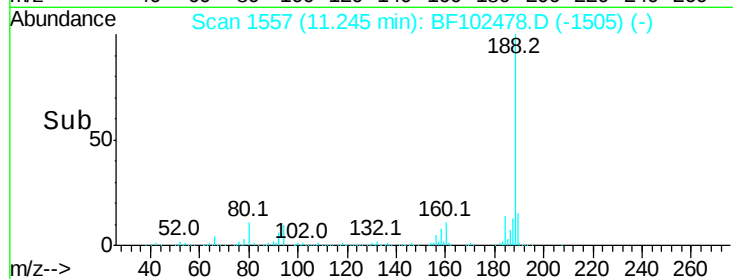
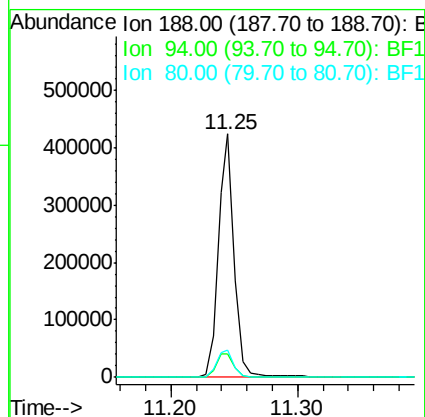
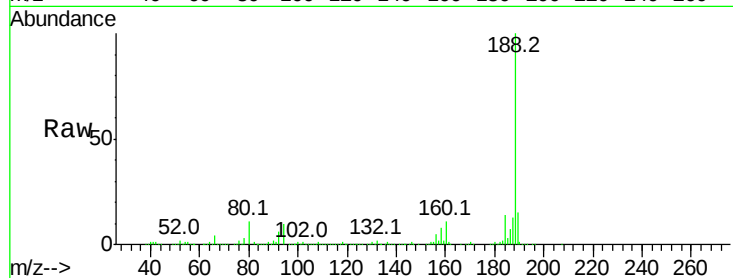
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Instrument :
BNA_F
ClientSampleId :
PL-02-012418-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	371430		
94	9.9	8.5	12.7	
80	11.1	9.2	13.8	

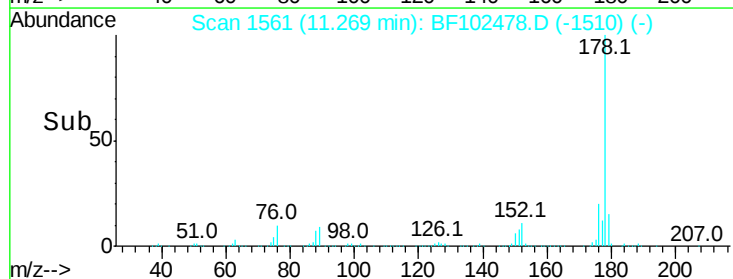
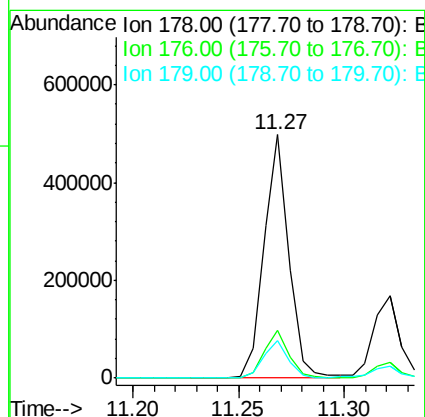
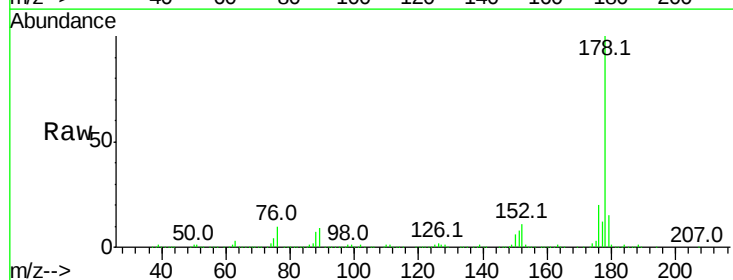
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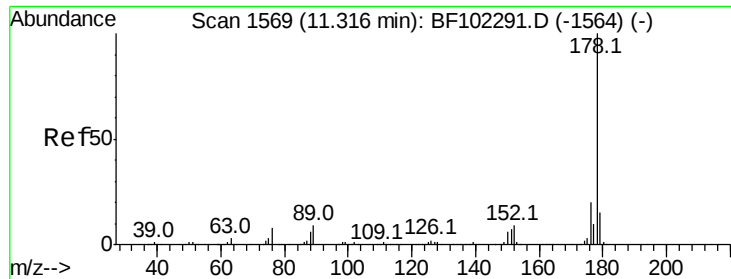
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#70
Phenanthrene
Concen: 18.864 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	408292		
176	19.7	15.8	23.8	
179	15.5	13.0	19.6	





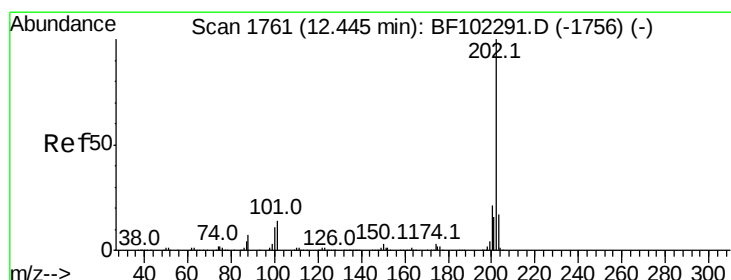
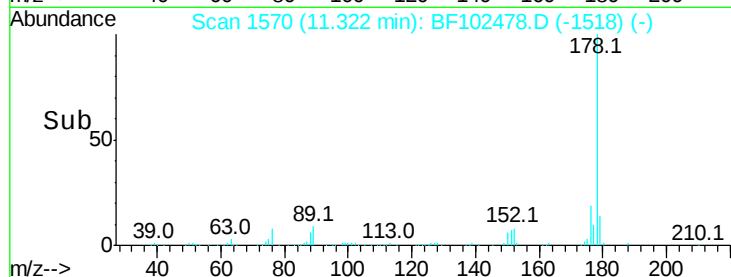
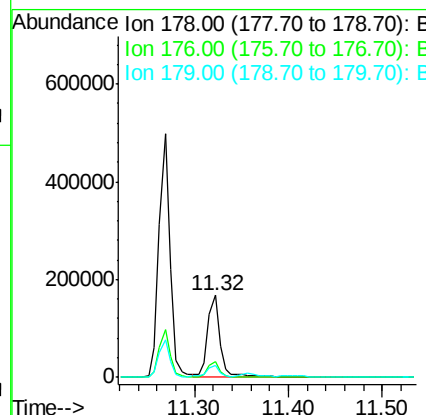
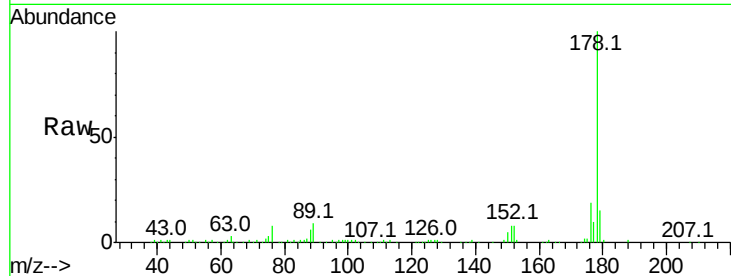
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 Anthracene
 Concen: 7.209 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-012418-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	14.7	12.6	19.0

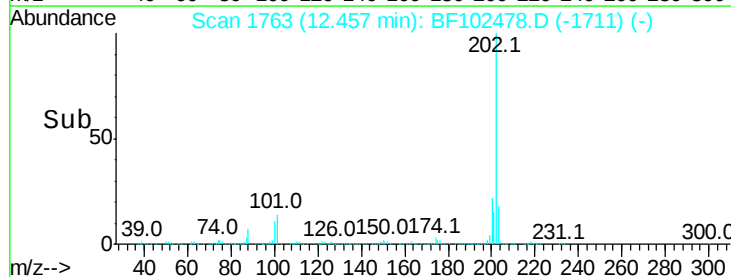
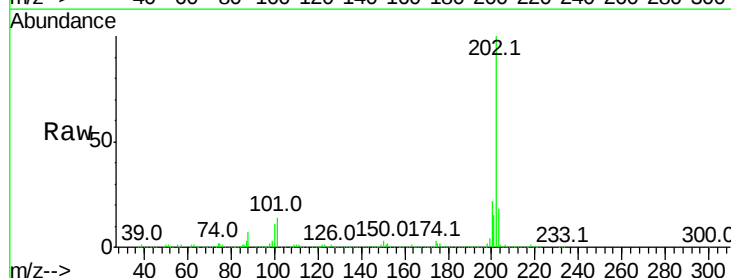
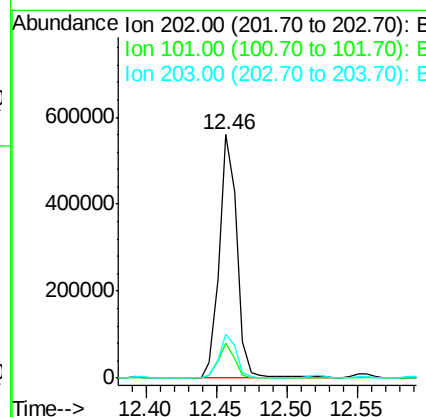
Manual Integrations
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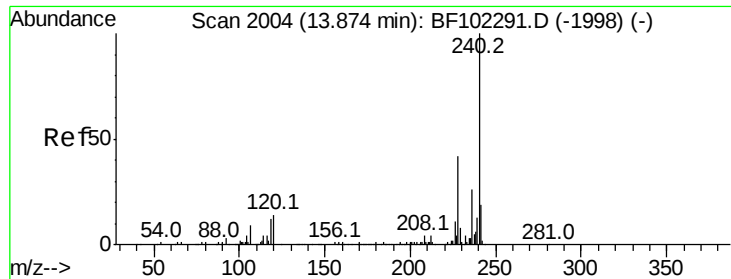
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#74
 Fluoranthene
 Concen: 22.062 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

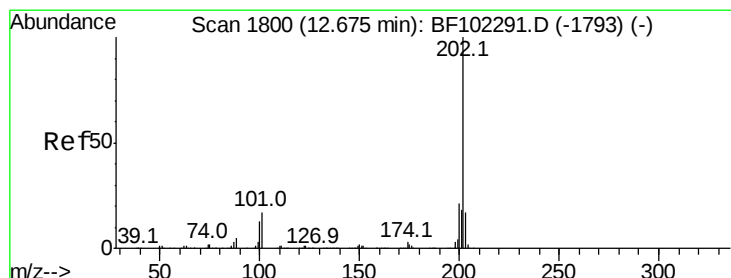
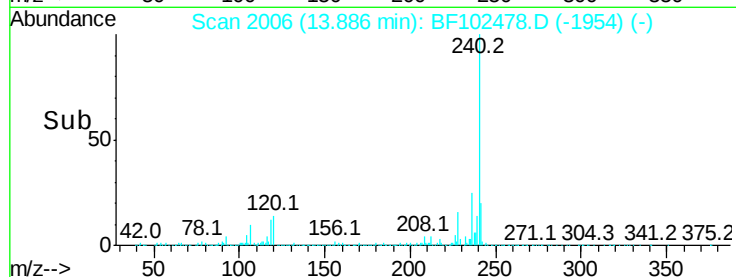
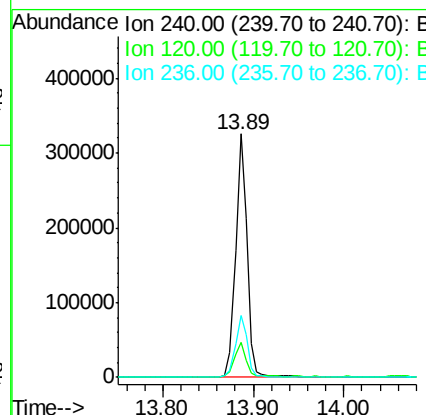
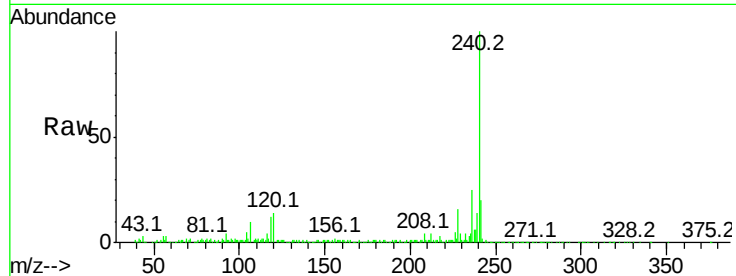
ClientSampleId :

PL-02-012418-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.4	9.5	14.3	
236	25.5	20.7	31.1	

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#77

Pyrene

Concen: 19.898 ng

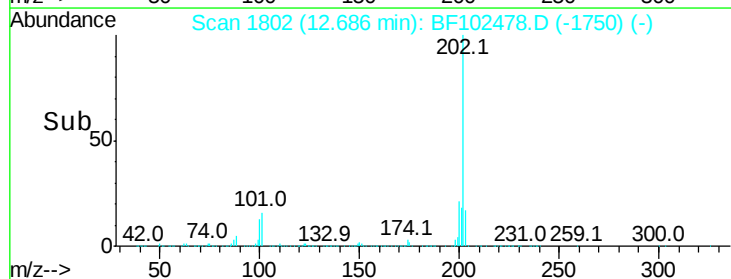
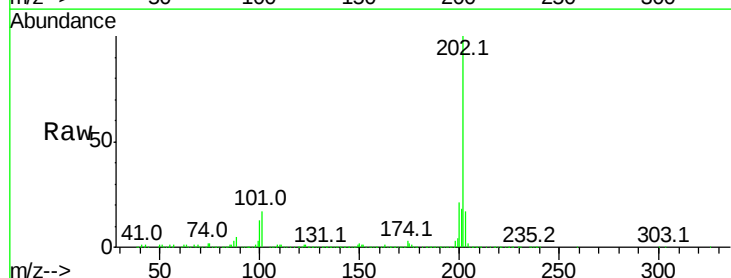
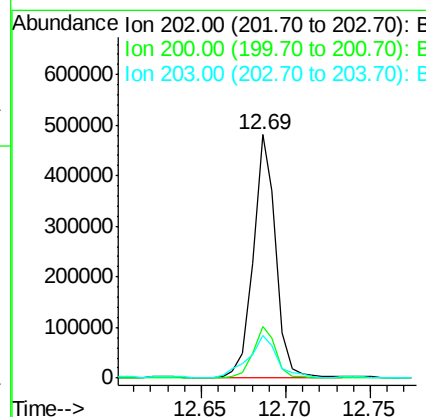
RT: 12.69 min Scan# 1802

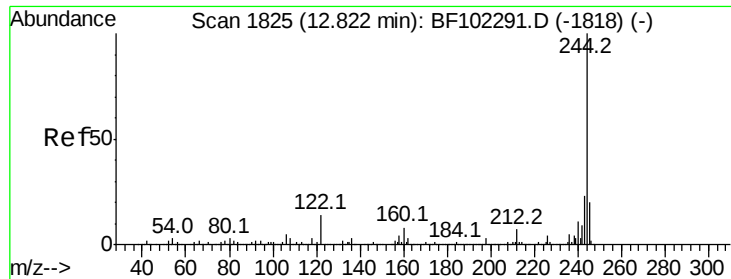
Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	17.4	26.2	
203	17.3	14.3	21.5	





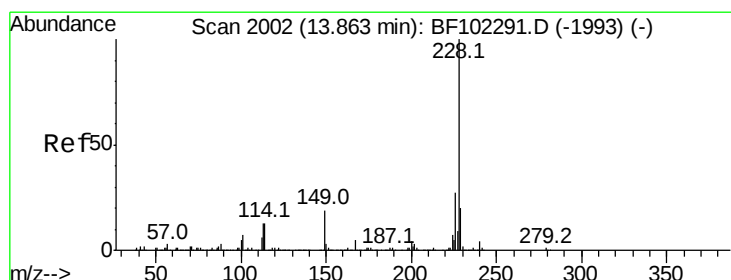
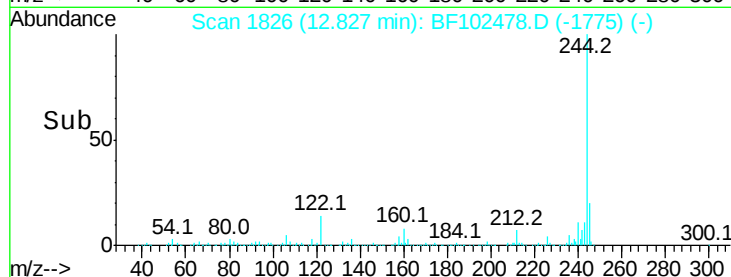
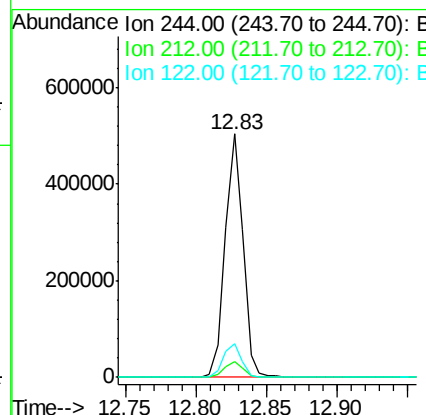
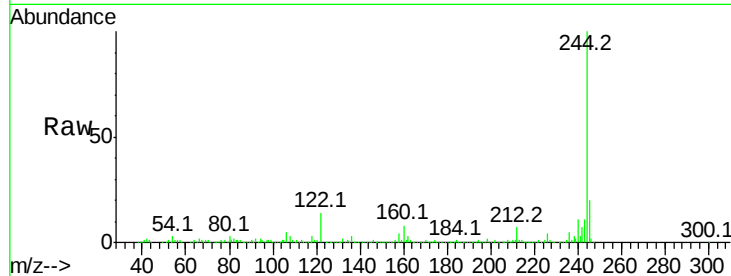
#78
 Terphenyl-d14
 Concen: 34.918 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-012418-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.6	11.0	16.4

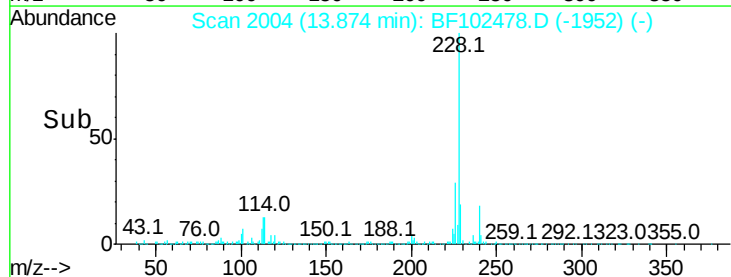
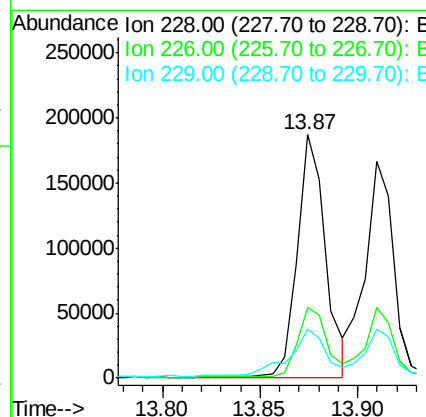
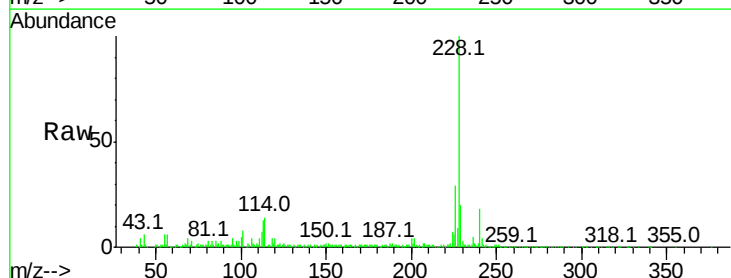
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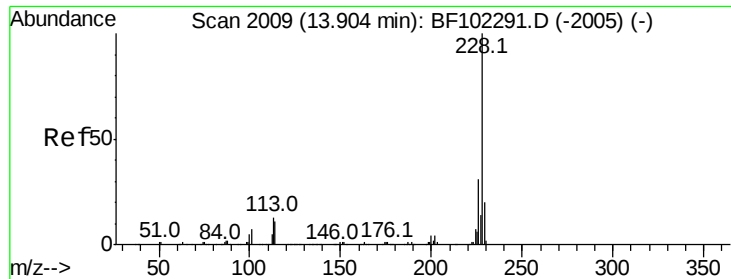
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#80
 Benzo(a)anthracene
 Concen: 10.459 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.2	15.8	23.6





#82

Chrysene

Concen: 9.457 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

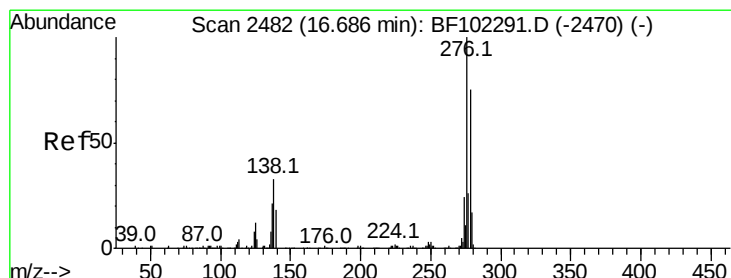
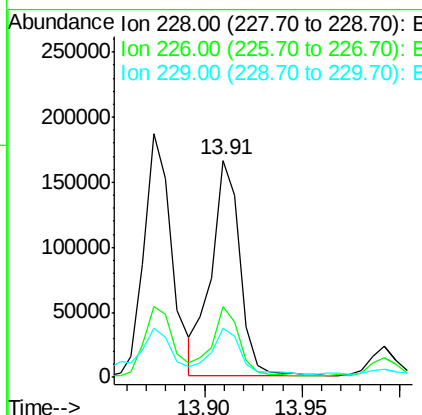
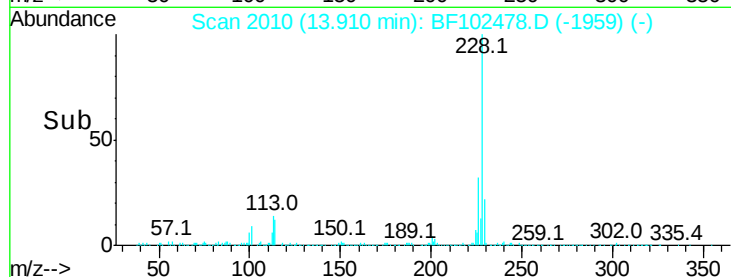
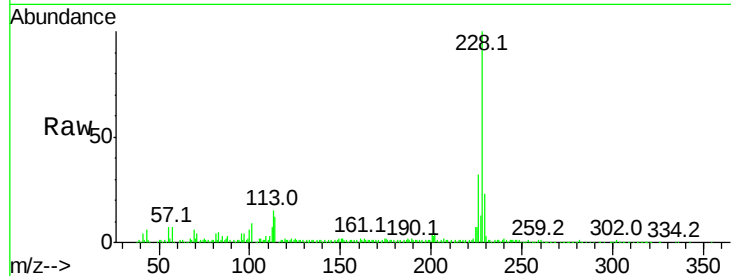
ClientSampleId :

PL-02-012418-A

Tot Ion:	228	Resp:	170918
Ion Ratio	Lower	Upper	
228	100		
226	32.5	25.0	37.6
229	22.6	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.254 ng

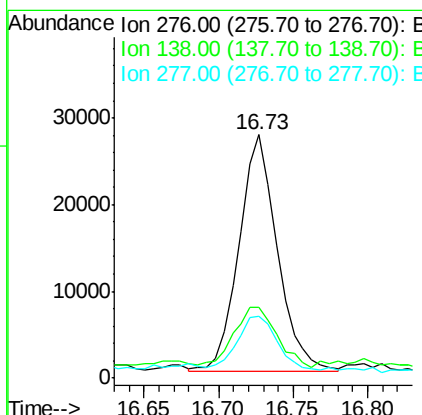
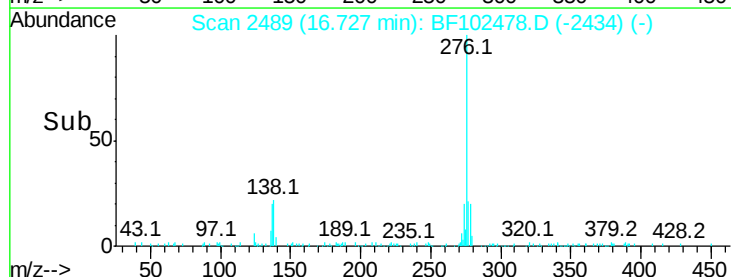
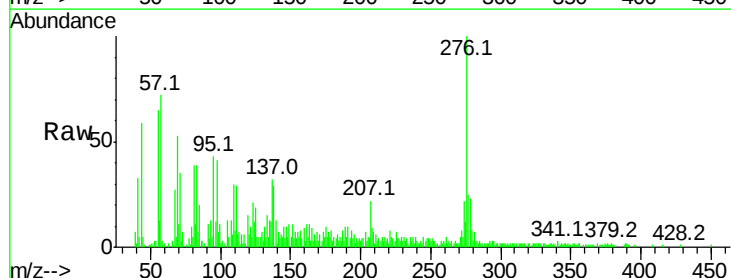
RT: 16.73 min Scan# 2489

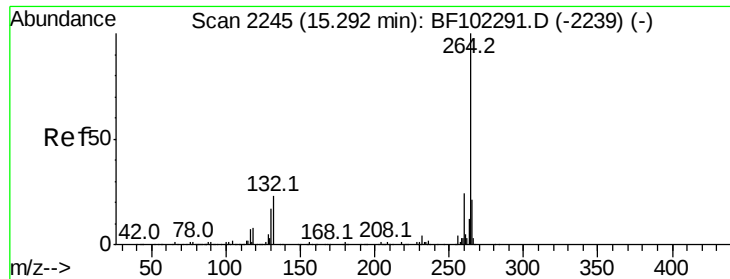
Delta R.T. 0.02 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Tgt Ion:	276	Resp:	48568
Ion Ratio	Lower	Upper	
276	100		
138	28.0	25.0	37.6
277	24.0	20.1	30.1





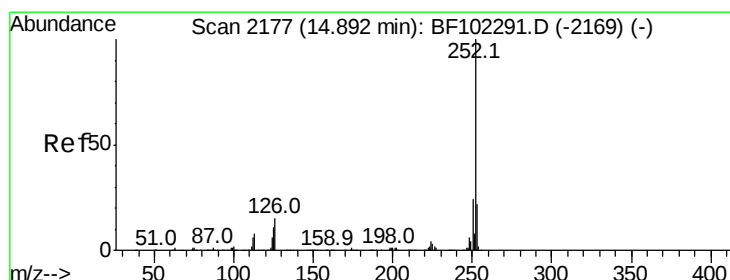
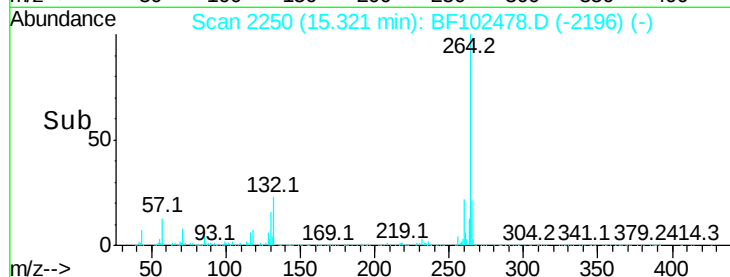
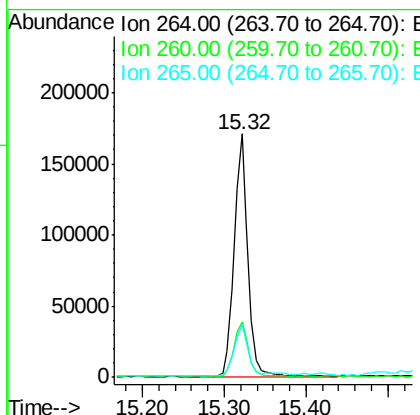
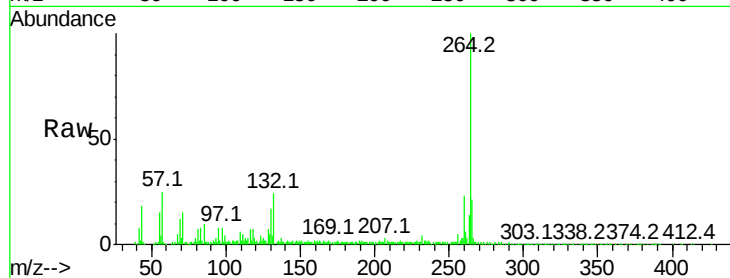
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Instrument :
BNA_F
ClientSampleId :
PL-02-012418-A

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	22.8	19.2	28.8	
265	21.5	17.5	26.3	

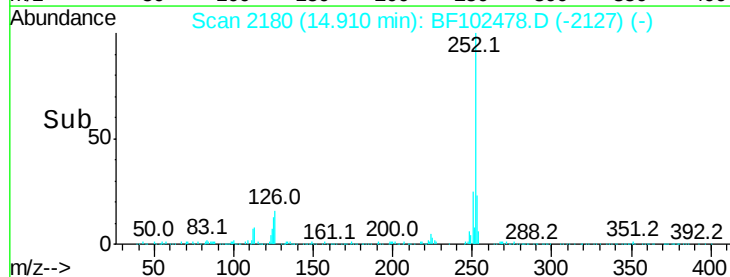
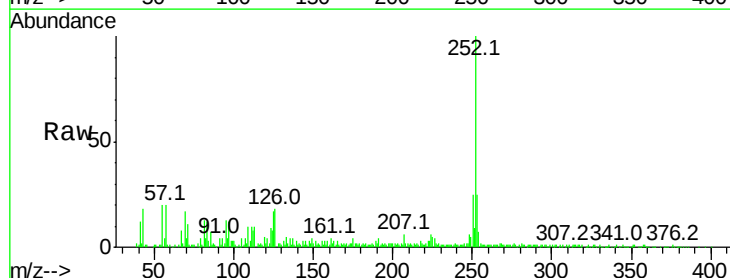
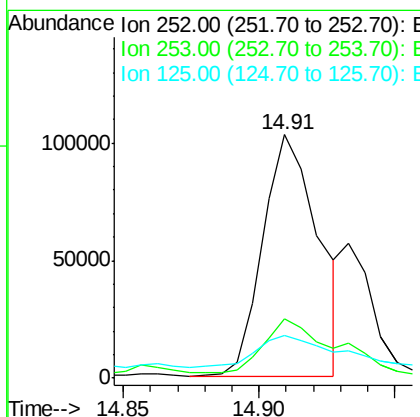
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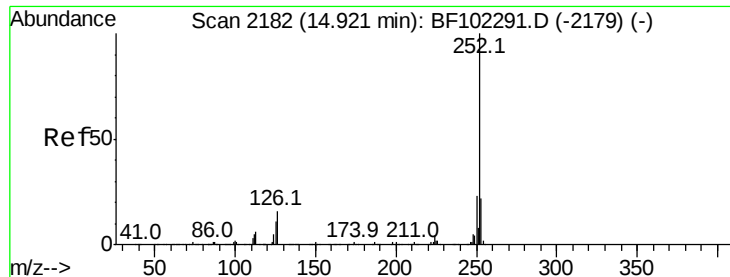
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#87
Benzo(b)fluoranthene
Concen: 11.251 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.5	17.0	25.6	
125	17.4	9.0	13.6	





#88

Benzo(k)fluoranthene

Concen: 3.814 ng/mL

RT: 14.93 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

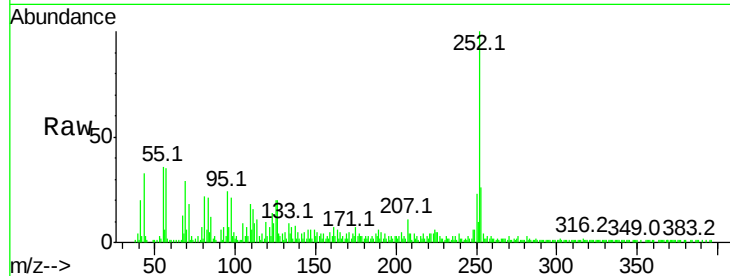
ClientSampleId :

PL-02-012418-A

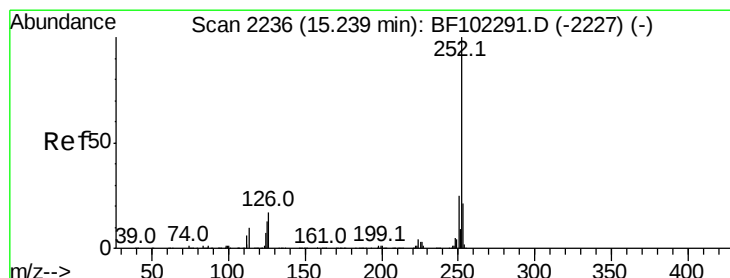
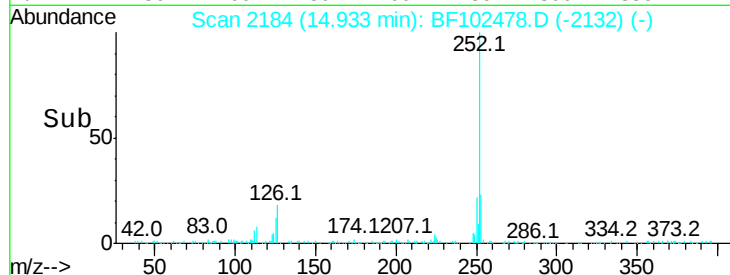
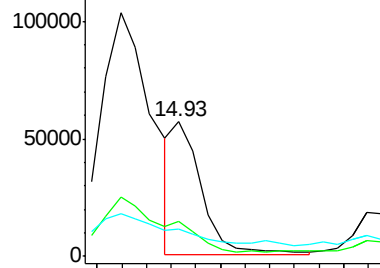
Tot Ion:	252	Resp:	46829
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.9	26.9
125	20.3	10.2	15.2

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 8.431 ng/mL

RT: 15.26 min Scan# 2240

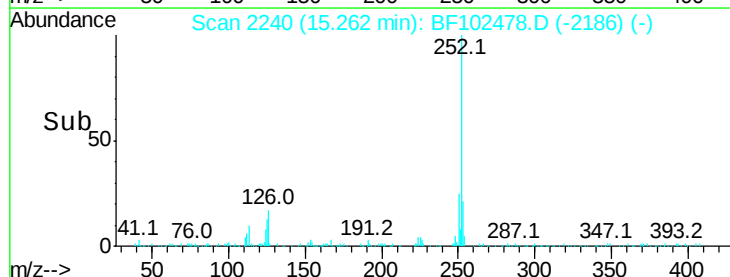
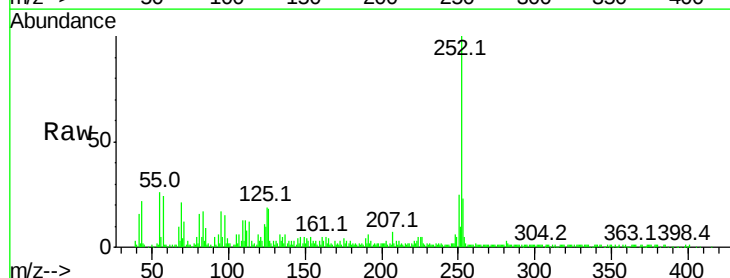
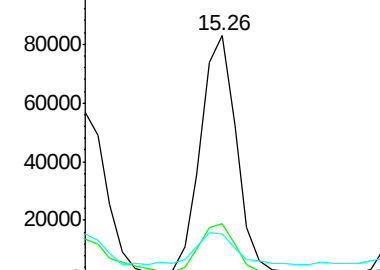
Delta R.T. 0.02 min

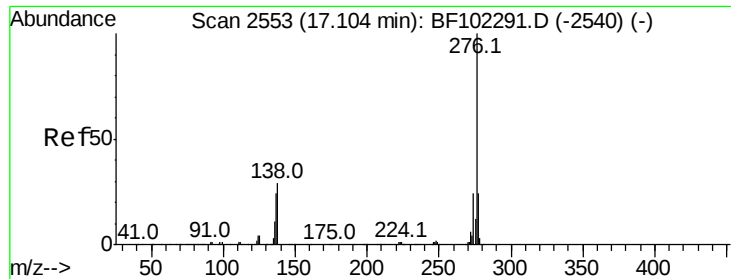
Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Tgt Ion:	252	Resp:	98817
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	18.7	9.8	14.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





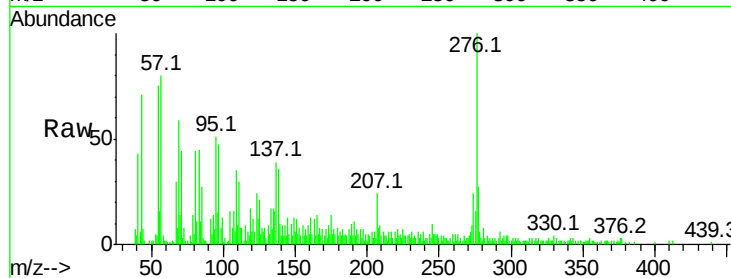
#91
 Benzo(a,h,i)perylene
 Concen: 5.195 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. 0.02 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-012418-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	36.1	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

