

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102475.D
 Acq On : 26 Jan 2018 18:15
 Operator : SJ/JU
 Sample : J1020-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-A

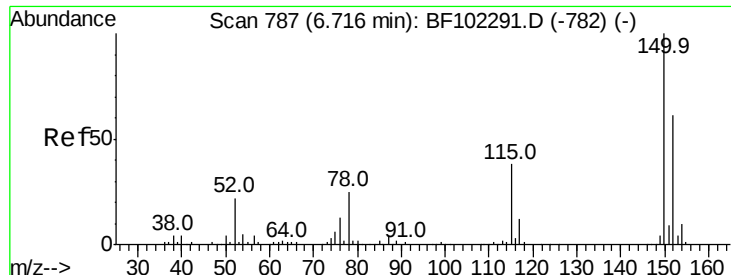
Manual Integrations
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Quant Time: Jan 26 22:09:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	170322	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	688150	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	265754	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	375948	20.00	ng	0.00
75) Chrysene-d12	13.89	240	301643	20.00	ng	0.00
86) Perylene-d12	15.32	264	216145	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	558920	49.76	ng	0.00
7) Phenol-d6	6.36	99	675692	49.89	ng	0.00
23) Nitrobenzene-d5	7.29	82	314049	26.23	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	75509	28.68	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	588560	32.56	ng	0.00
78) Terphenyl-d14	12.83	244	385867	28.84	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.62	152	82817	2.878	ng	99
49) Dimethylphthalate	9.47	163	98736	4.495	ng	100
54) Dibenzofuran	9.96	168	48717	2.142	ng	96
57) Fluorene	10.30	166	78389	4.349	ng	100
70) Phenanthrene	11.27	178	532110	24.289	ng	99
71) Anthracene	11.32	178	204746	9.157	ng	100
74) Fluoranthene	12.46	202	877641	39.285	ng	98
77) Pyrene	12.69	202	848049	36.363	ng	99
80) Benzo(a)anthracene	13.88	228	451421	24.308	ng	95
82) Chrysene	13.92	228	410773	21.781	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	136119	8.740	ng	97
87) Benzo(b)fluoranthene	14.92	252	396738m	28.319	ng	
88) Benzo(k)fluoranthene	14.93	252	136949m	10.347	ng	
89) Benzo(a)pyrene	15.26	252	280264	22.182	ng	# 97
90) Dibenzo(a,h)anthracene	16.73	278	34950	3.415	ng	# 78
91) Benzo(g,h,i)perylene	17.15	276	130268	12.890	ng	94

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



#1

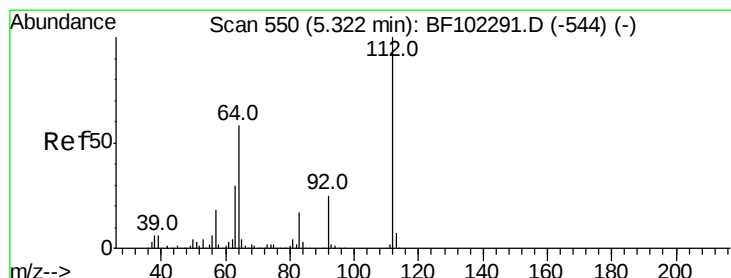
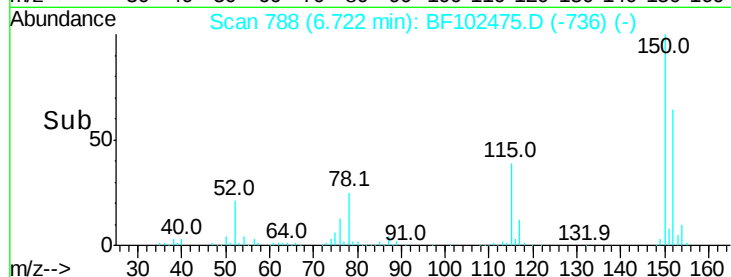
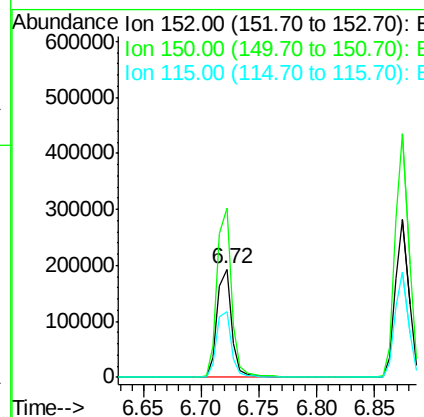
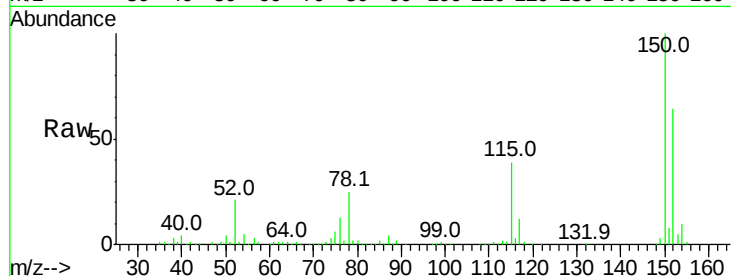
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	60.5	50.1	75.1

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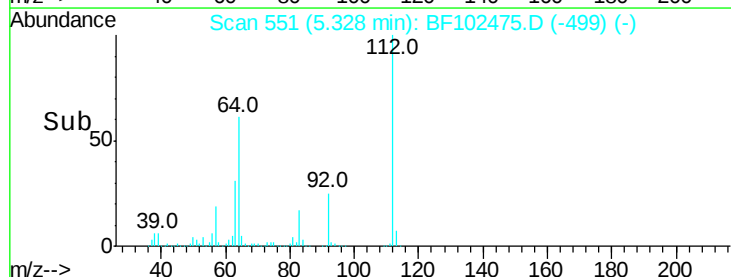
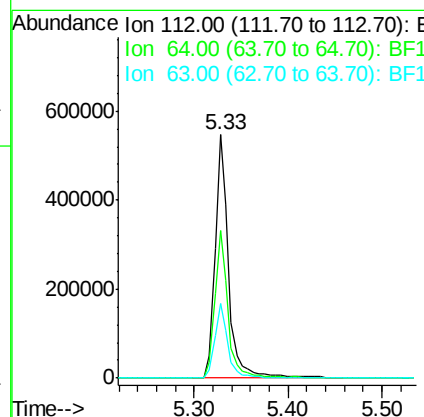
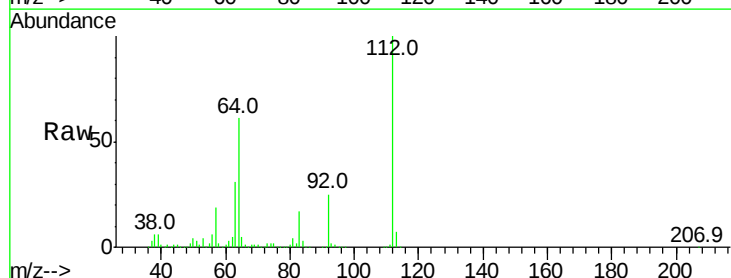
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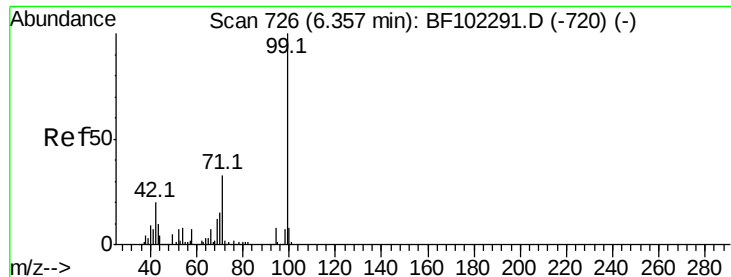


#5

2-Fluorophenol
Concen: 49.757 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 49.894 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

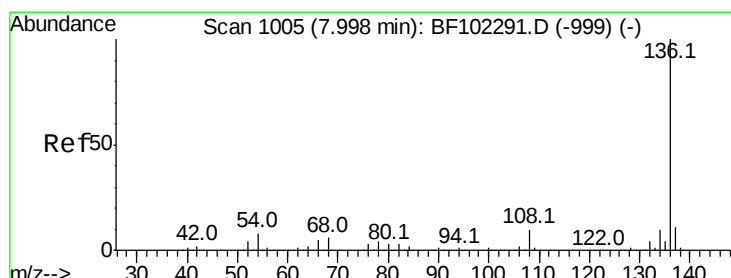
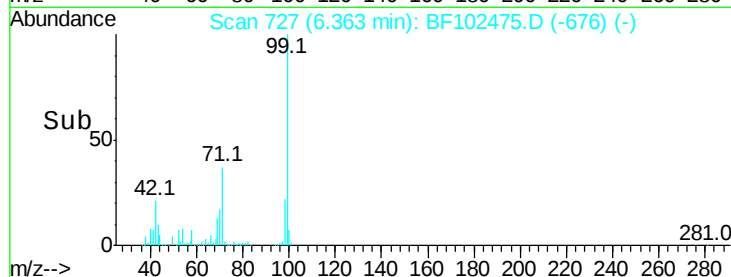
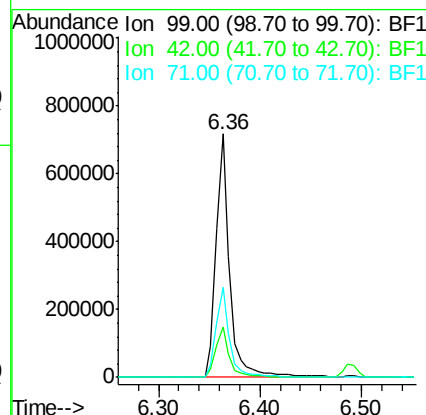
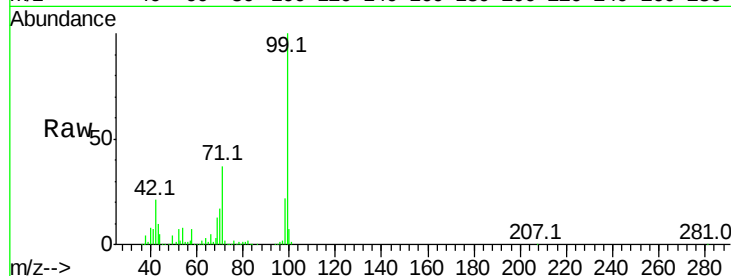
ClientSampleId :

PL-01-012418-A

Tot Ion:	99	Resp:	675692
Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.5	21.7
71	36.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

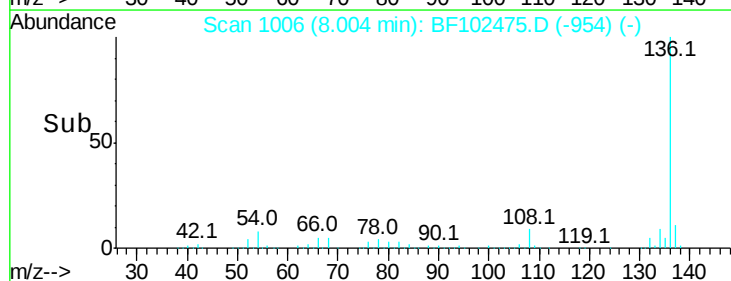
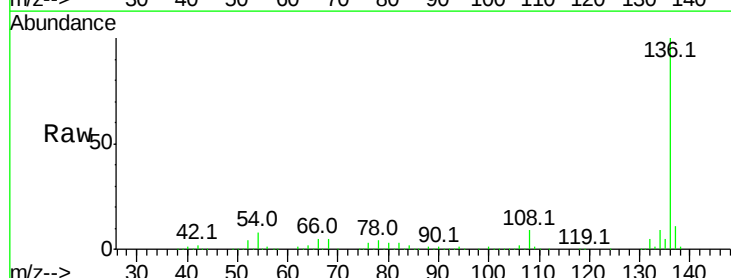
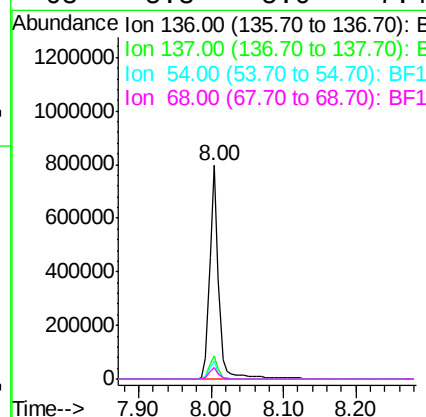
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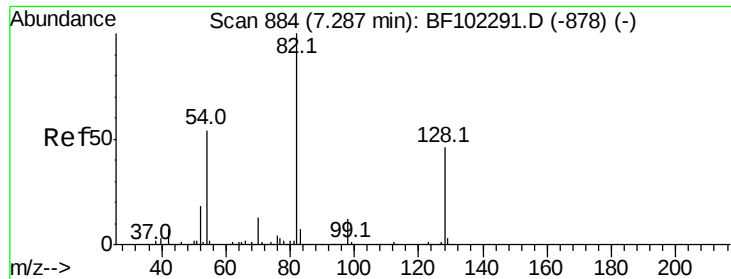
Delta R.T. 0.01 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Tgt Ion:	136	Resp:	688150
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.2	6.6	9.8
68	5.3	5.0	7.4





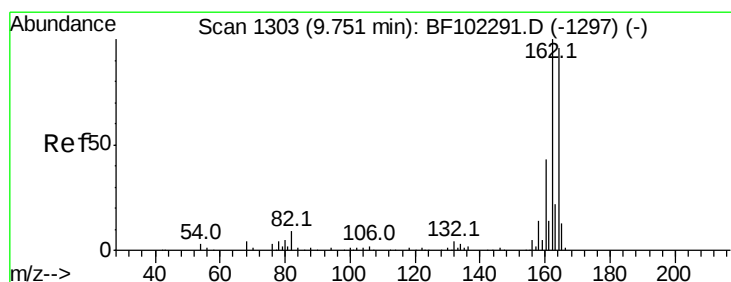
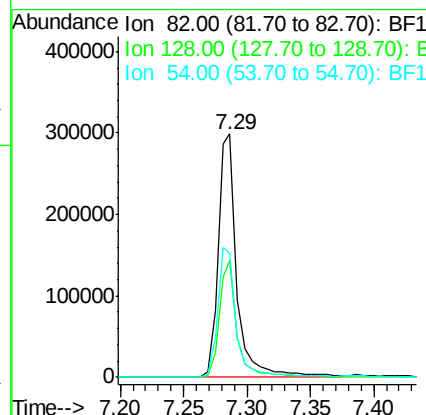
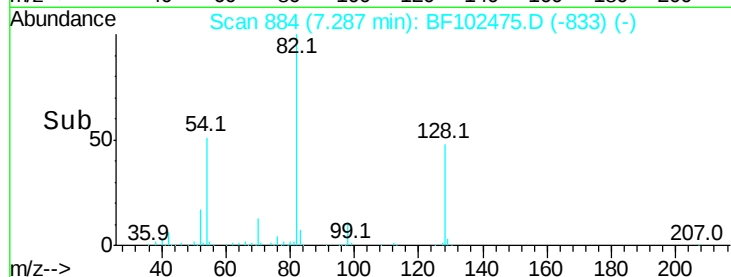
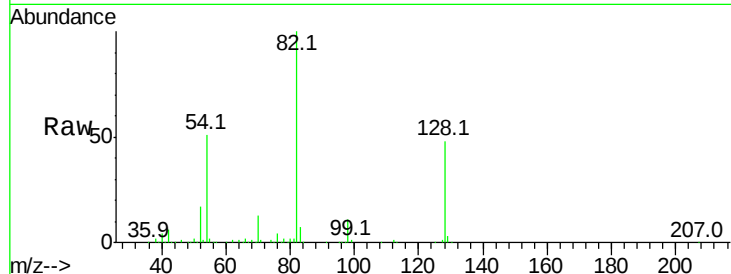
#23
 Nitrobenzene-d5
 Concen: 26.226 ng
 RT: 7.29 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.1	54.1
54	51.2	41.4	62.2

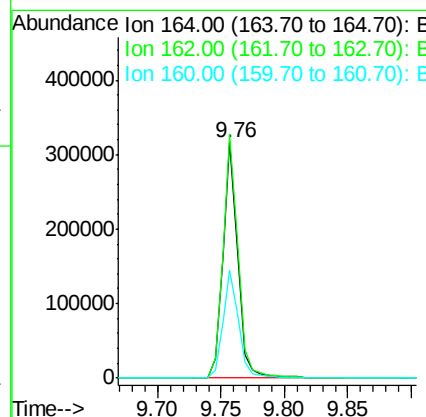
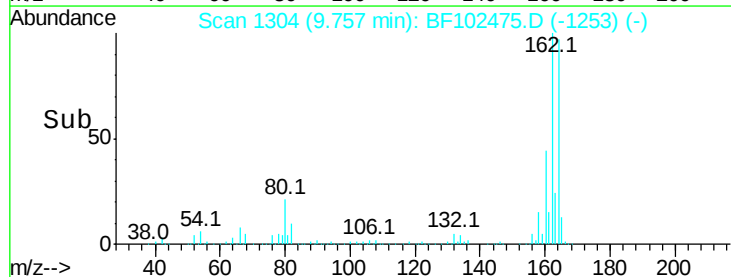
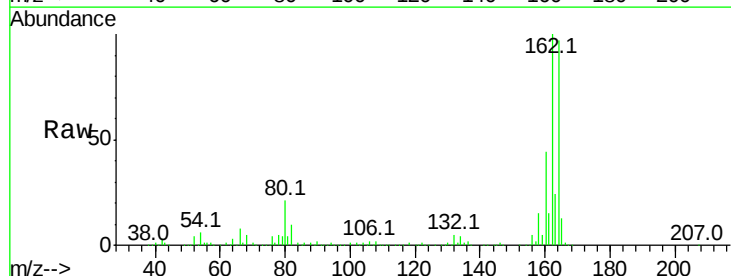
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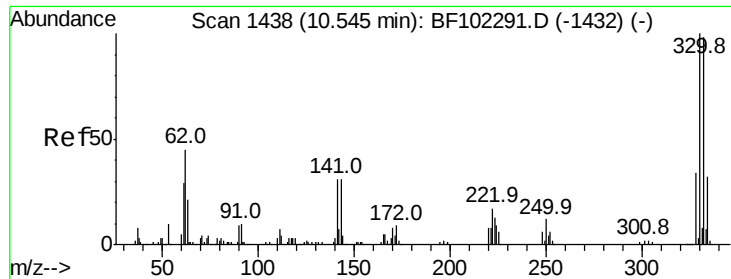
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	45.8	38.3	57.5





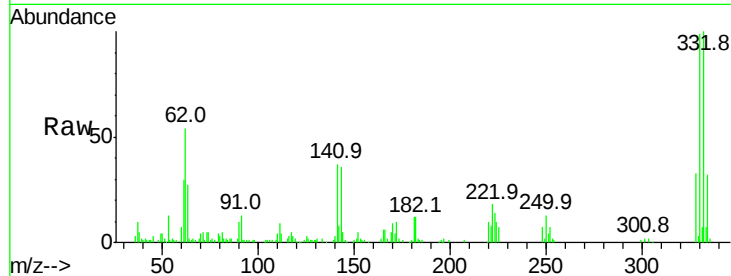
#41
 2,4,6-Tribromophenol
 Concen: 28.675 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-A

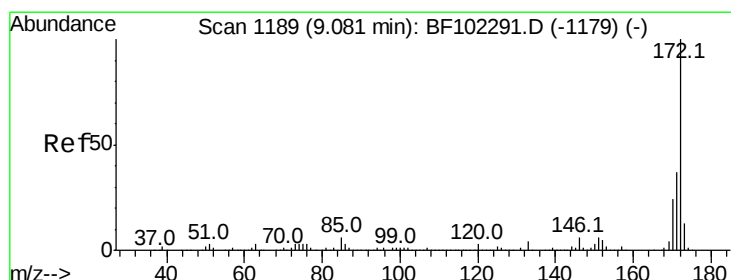
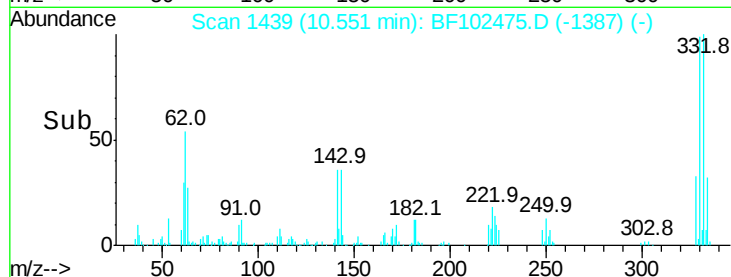
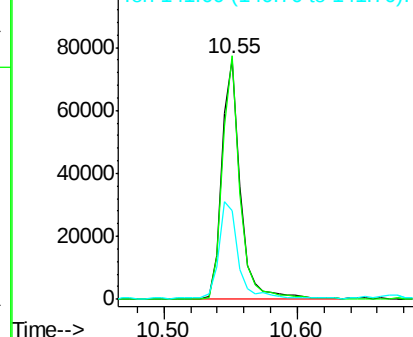
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.0	115.6	
141	45.0	29.9	44.9	

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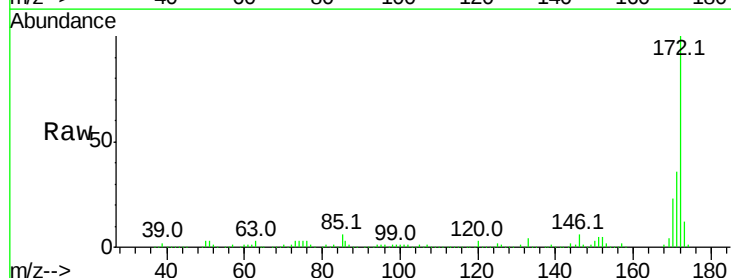


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

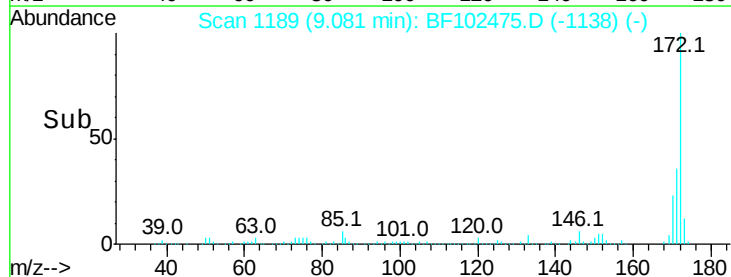
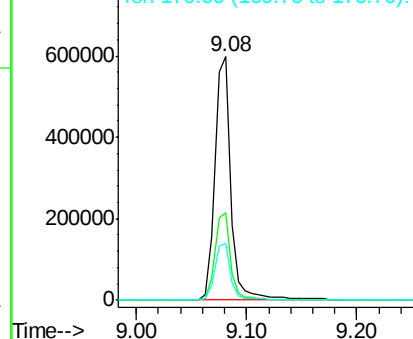


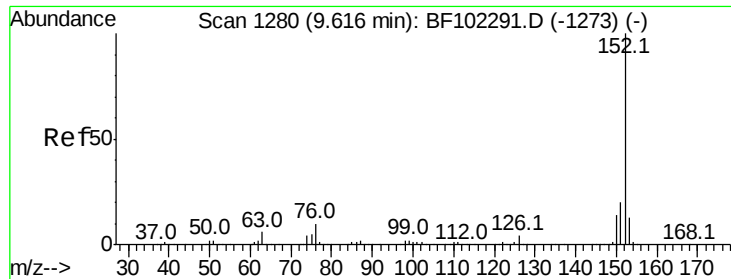
#44
 2-Fluorobiphenyl
 Concen: 32.564 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

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





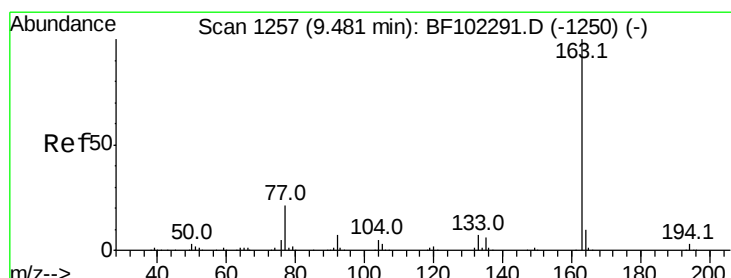
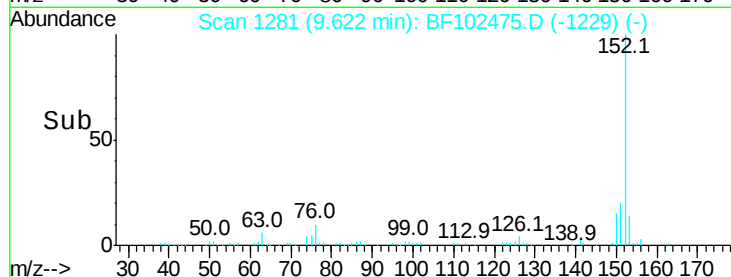
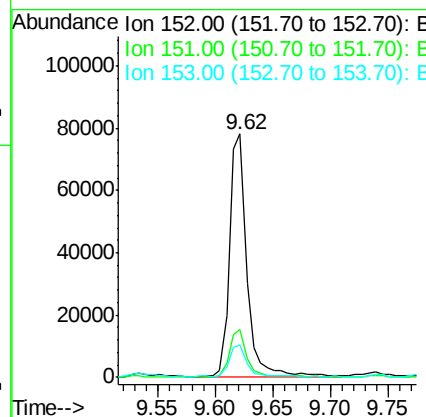
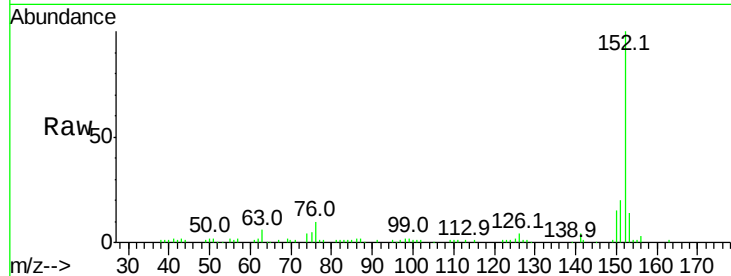
#48
Acenaphthylene
Concen: 2.878 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Instrument :
BNA_F
ClientSampled :
PL-01-012418-A

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	13.6	10.7	16.1

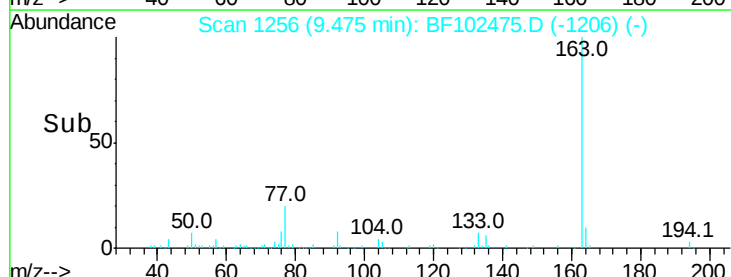
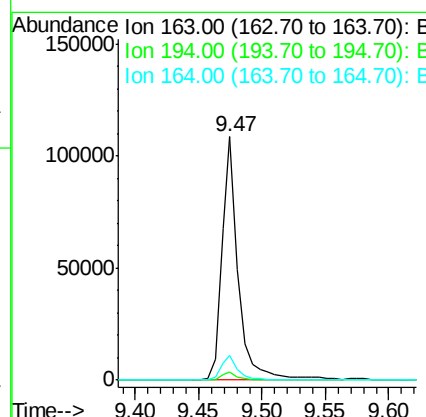
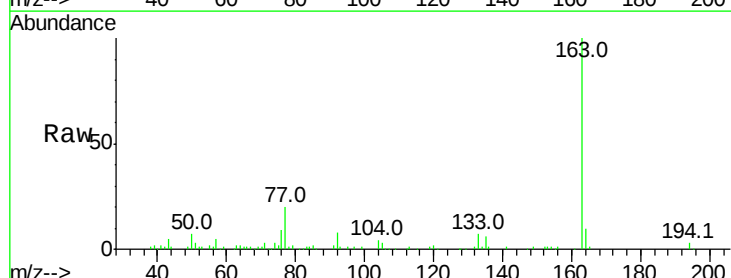
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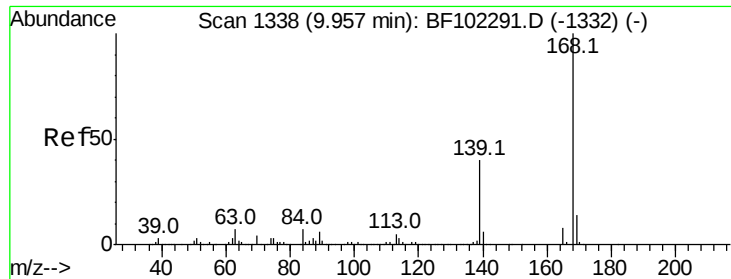
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#49
Dimethylphthalate
Concen: 4.495 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.2	8.2	12.2





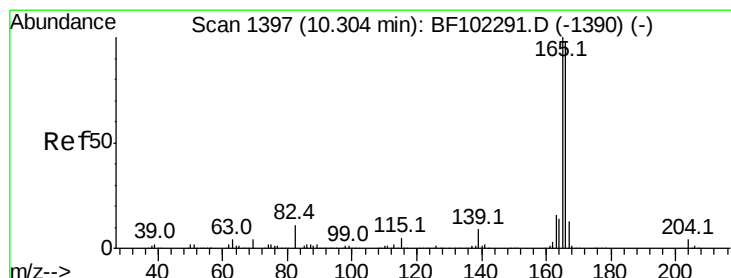
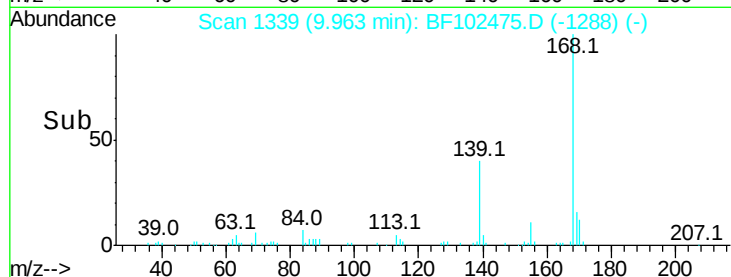
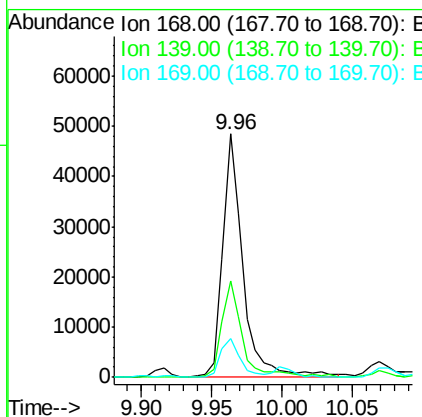
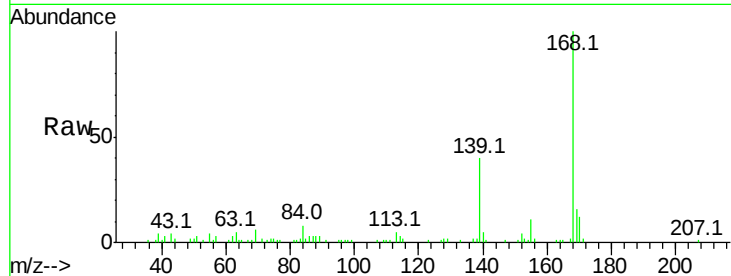
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Dibenzofuran
Concen: 2.142 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-A

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.1	45.1
169	15.8	10.9	16.3

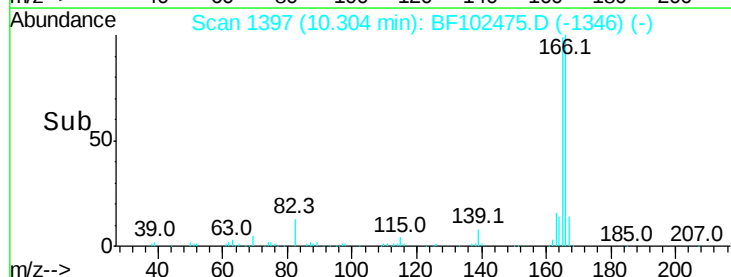
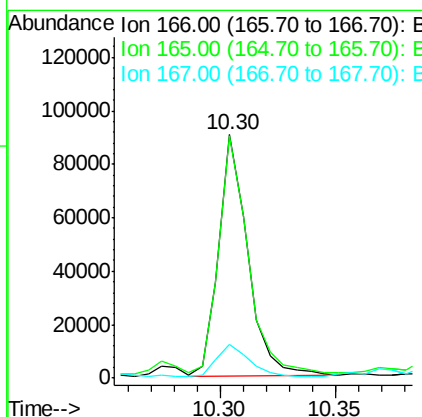
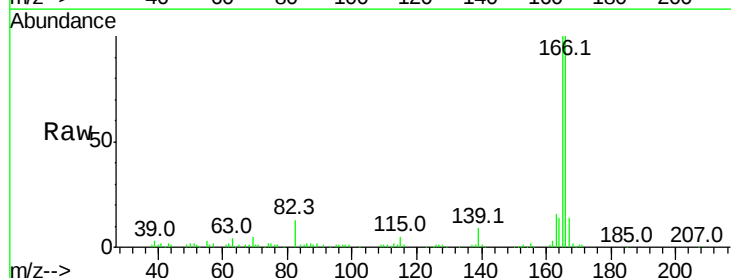
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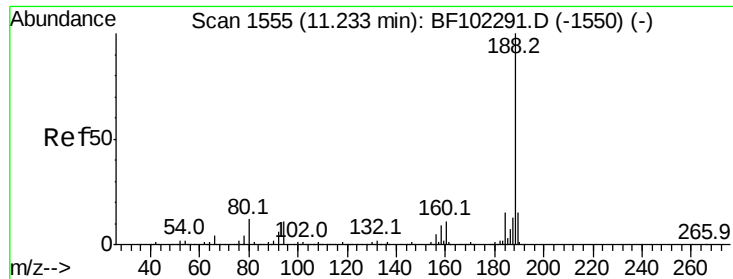
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#57
Fluorene
Concen: 4.349 ng
RT: 10.30 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.8
167	13.9	10.6	16.0





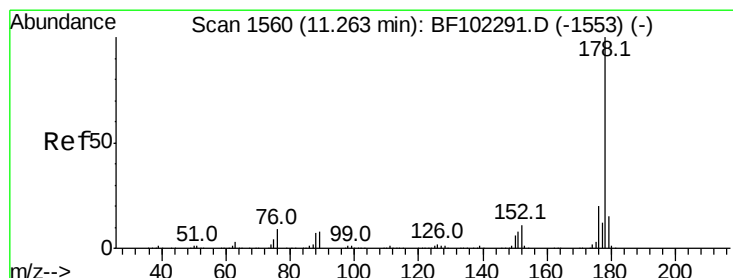
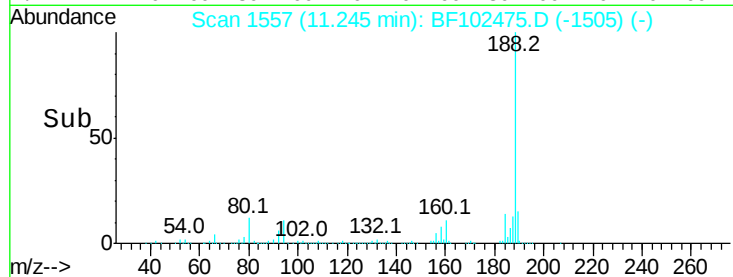
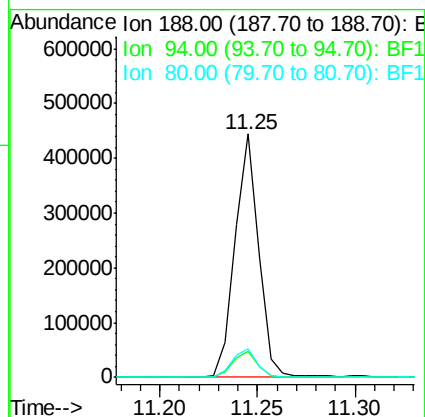
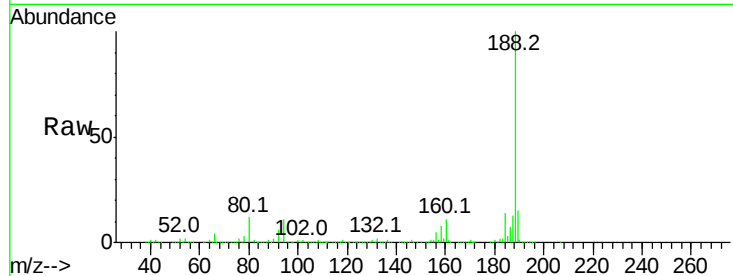
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.6	9.2	13.8

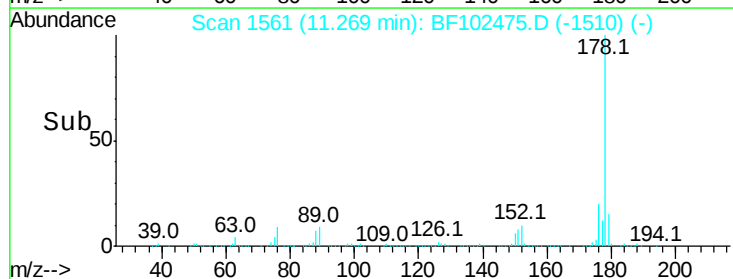
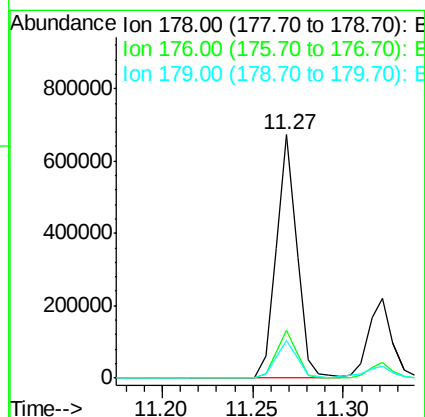
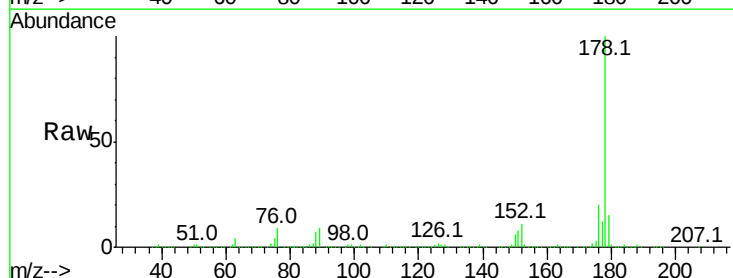
Manual Integrations
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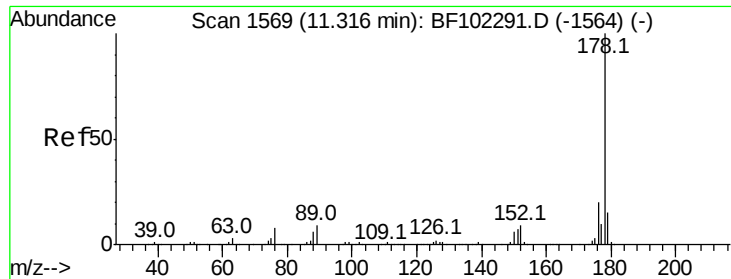
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#70
Phenanthrene
Concen: 24.289 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.3	13.0	19.6





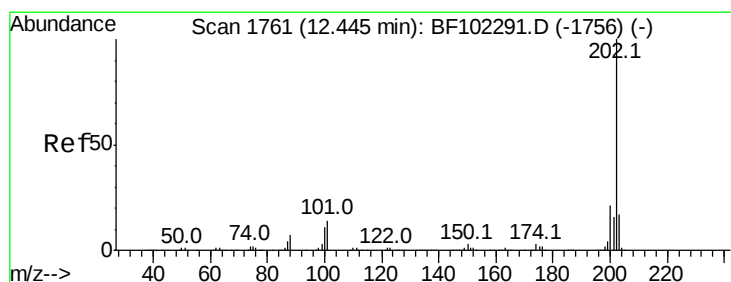
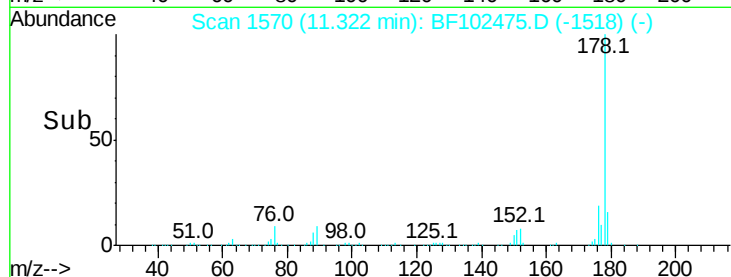
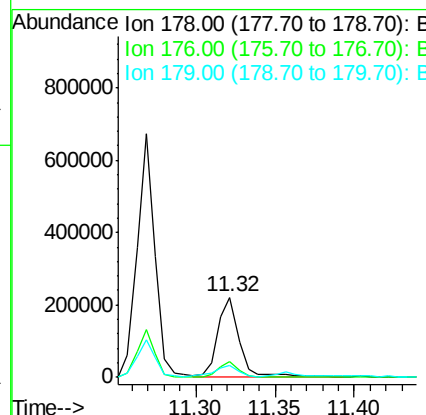
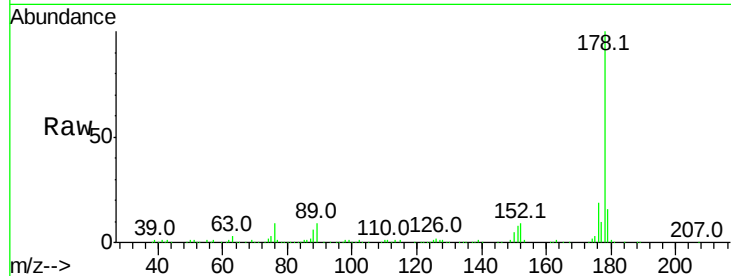
#71
 Anthracene
 Concen: 9.157 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.6	19.0

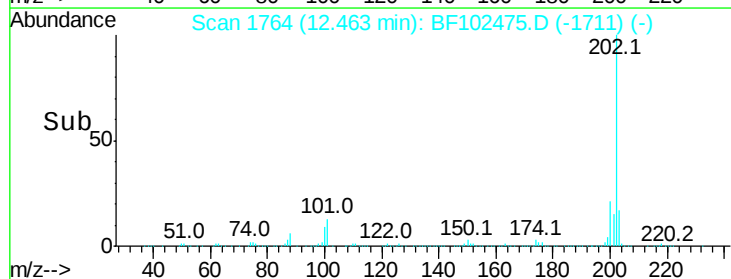
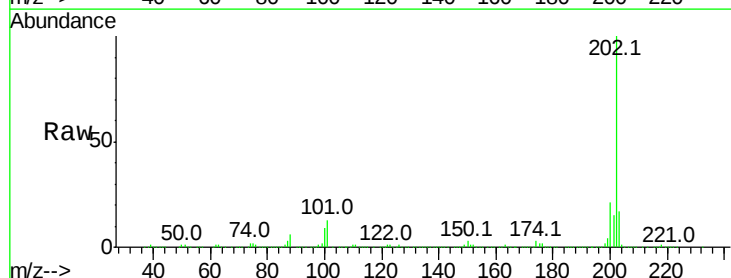
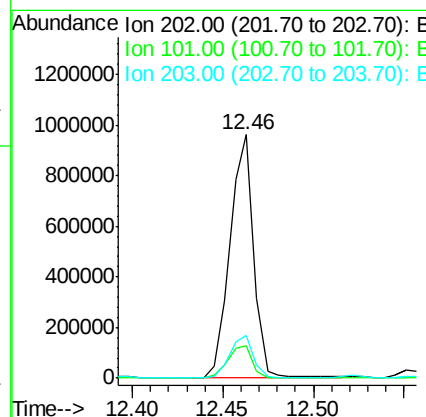
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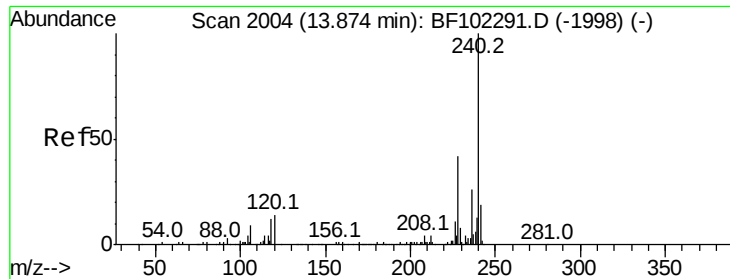
Sohil
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#74
 Fluoranthene
 Concen: 39.285 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	17.4	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: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

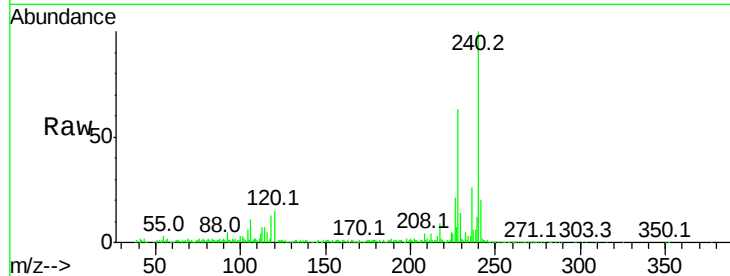
ClientSampleId :

PL-01-012418-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.4	9.5	14.3#
236	26.0	20.7	31.1

Manual Integrations
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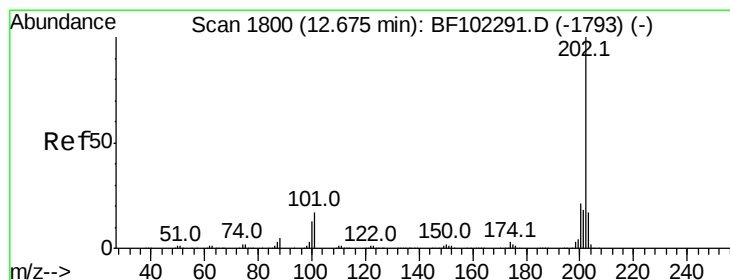
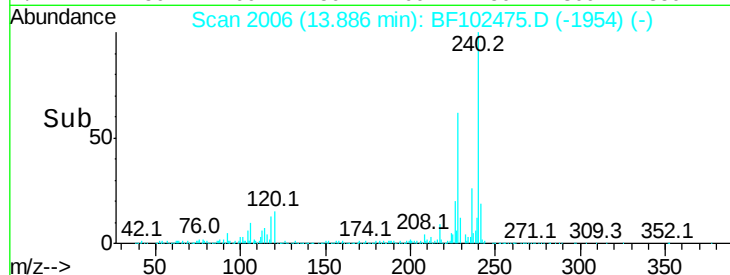
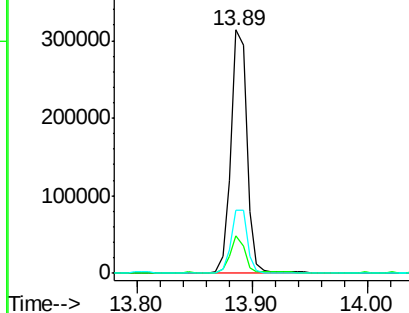
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 36.363 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102475.D

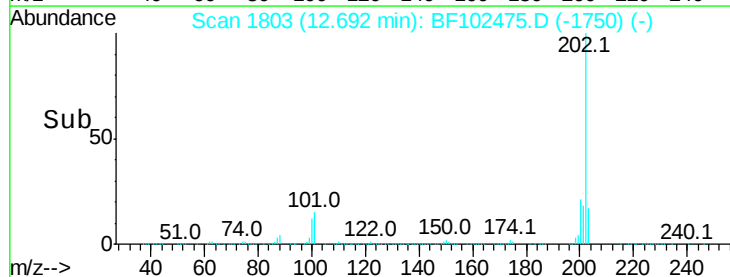
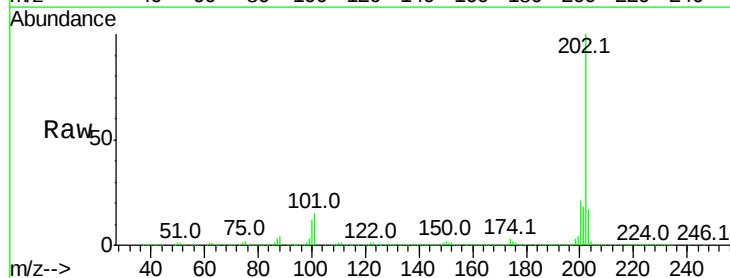
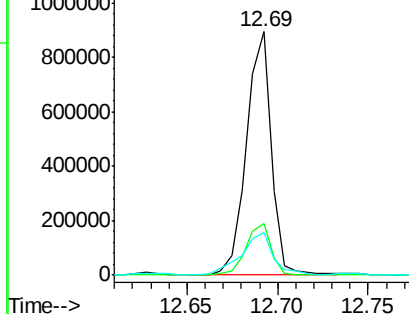
Acq: 26 Jan 2018 18:15

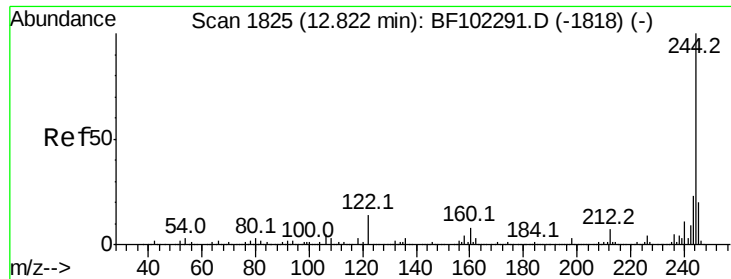
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.3	14.3	21.5

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





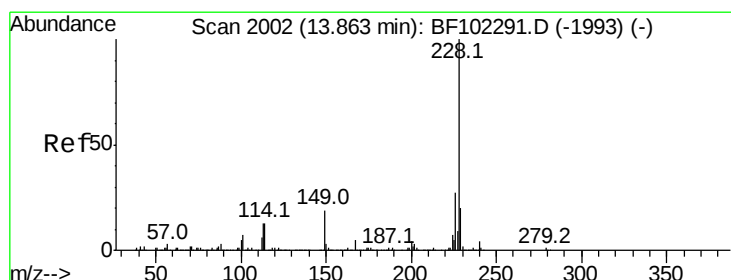
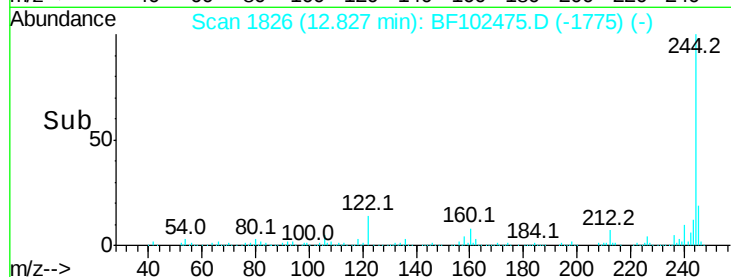
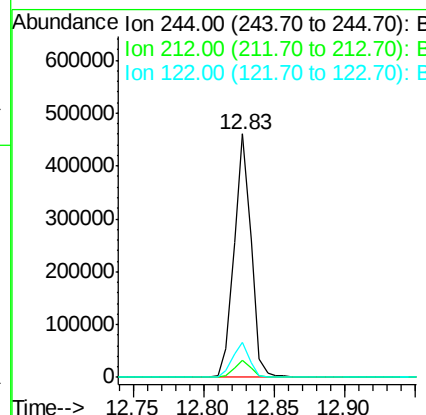
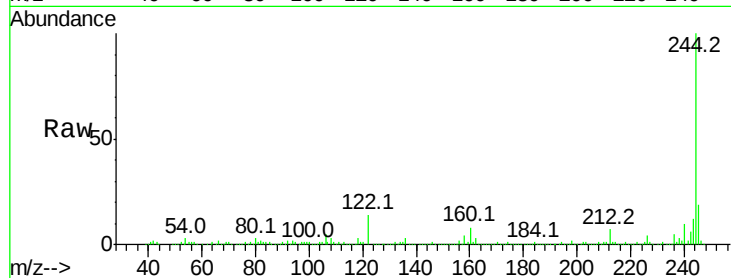
#78
 Terphenyl-d14
 Concen: 28.838 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	14.3	11.0	16.4

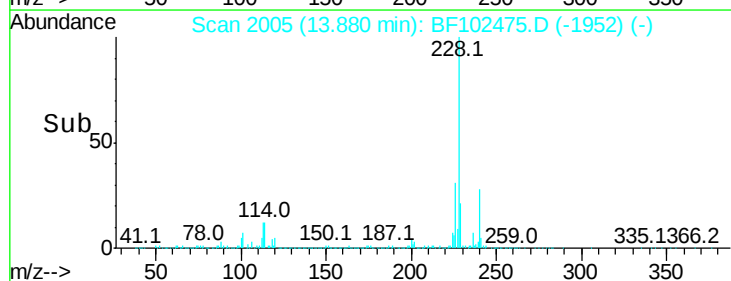
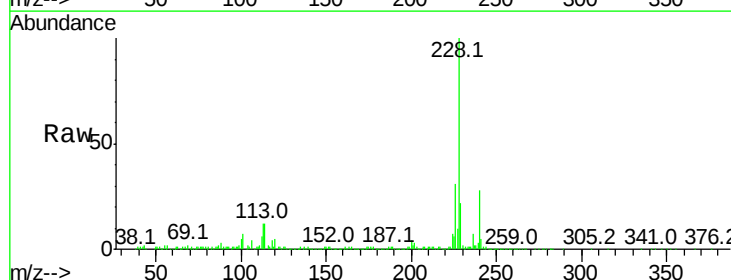
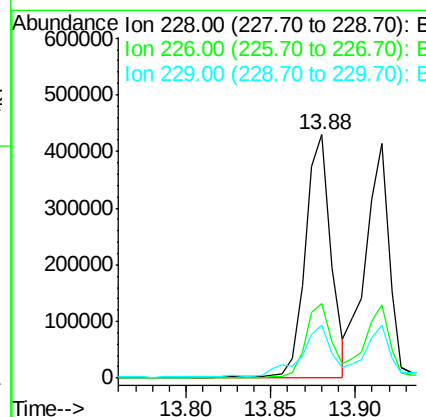
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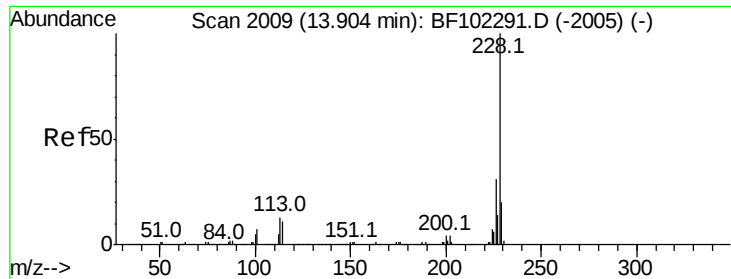
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#80
 Benzo(a)anthracene
 Concen: 24.308 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF102475.D
 Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	21.5	15.8	23.6





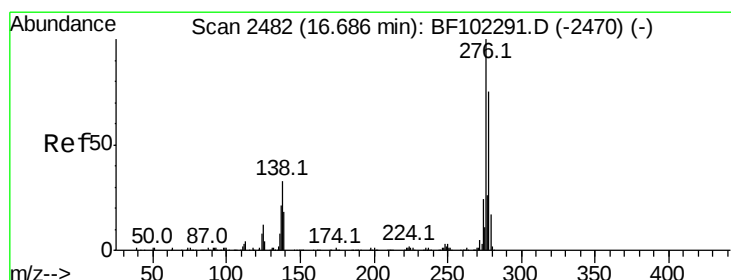
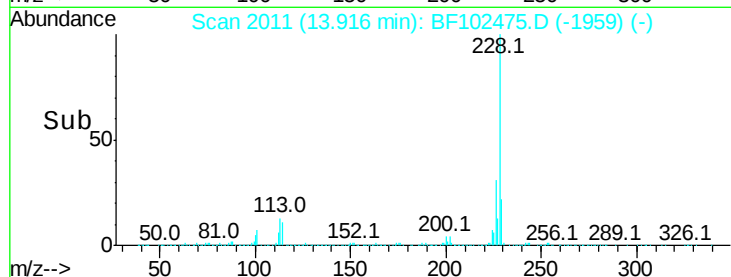
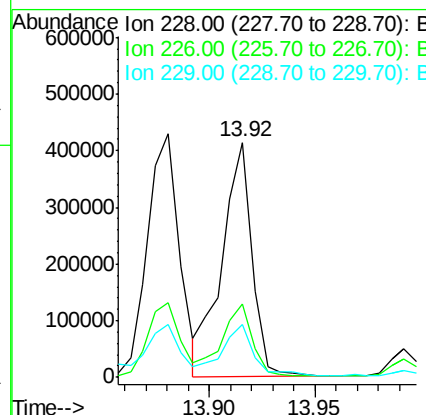
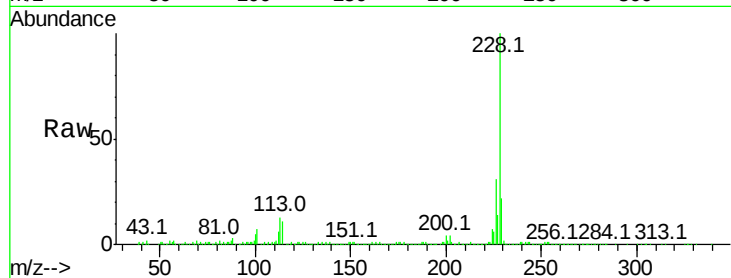
#82
Chrysene
Concen: 21.781 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.2	16.2	24.4

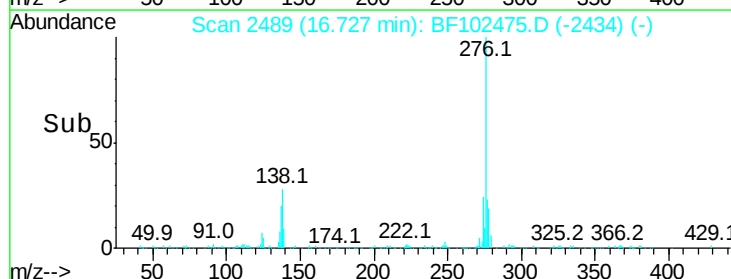
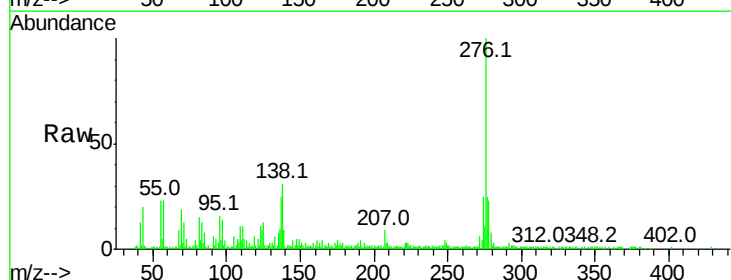
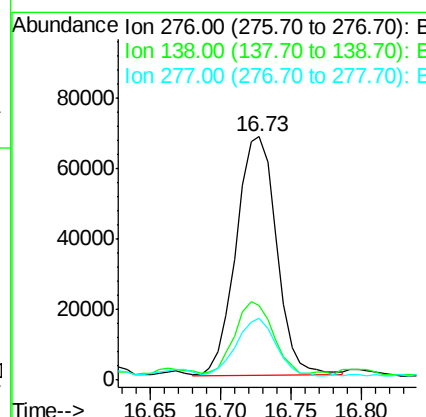
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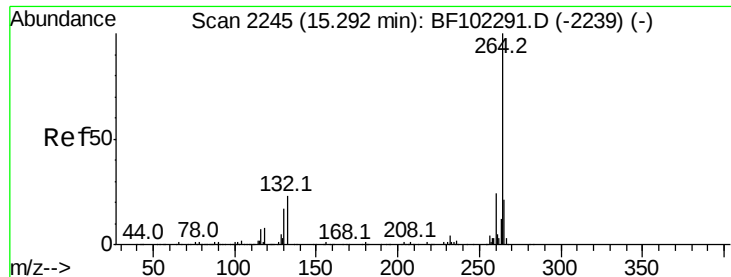
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.740 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.02 min
Lab File: BF102475.D
Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	23.9	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: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

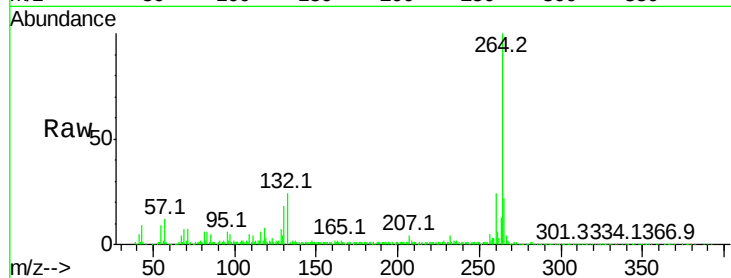
ClientSampleId :

PL-01-012418-A

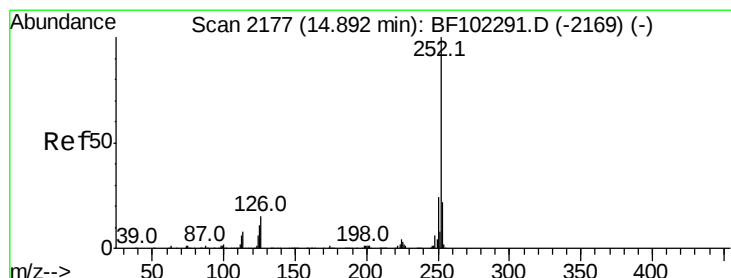
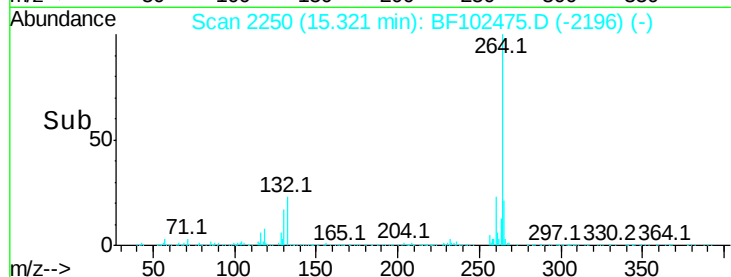
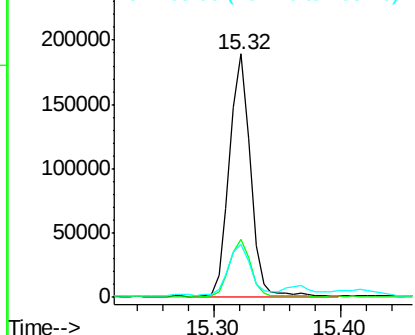
Tot Ion:	264	Resp:	216145
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	21.8	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 28.319 ng m

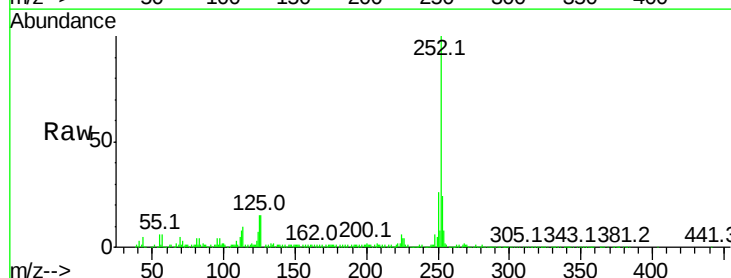
RT: 14.92 min Scan# 2181

Delta R.T. 0.02 min

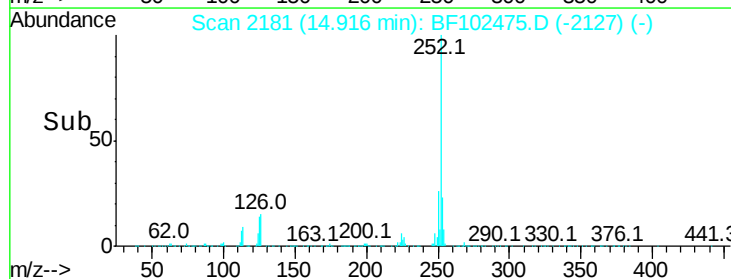
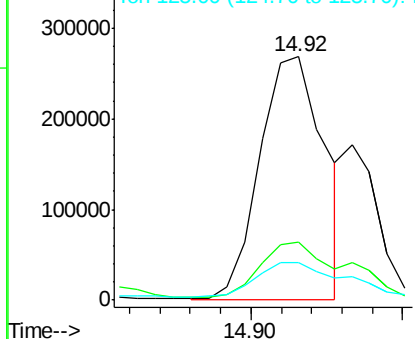
Lab File: BF102475.D

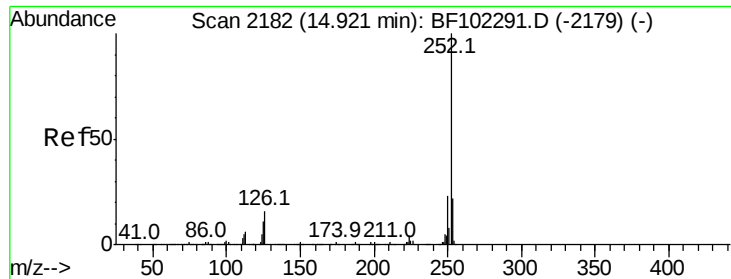
Acq: 26 Jan 2018 18:15

Tgt Ion:	252	Resp:	396738
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.6
125	15.2	9.0	13.6#



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





#88

Benzo(k)fluoranthene

Concen: 10.347 ng/mL

RT: 14.93 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

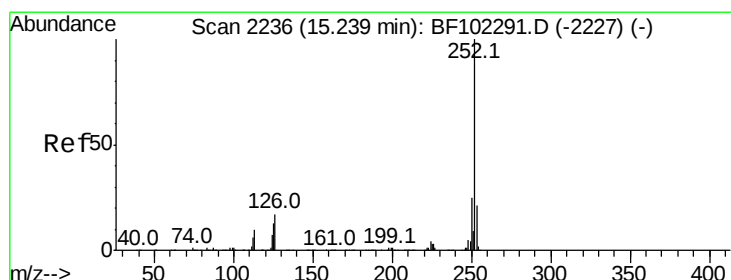
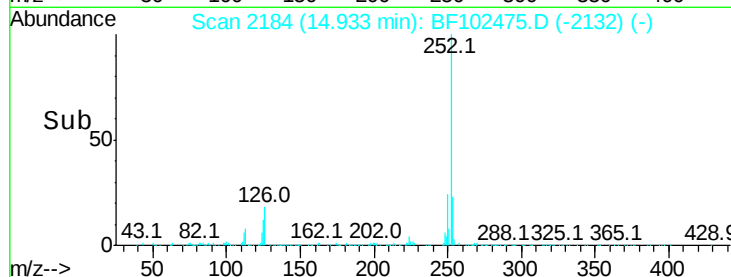
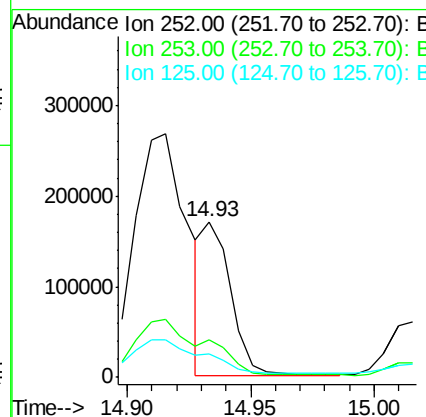
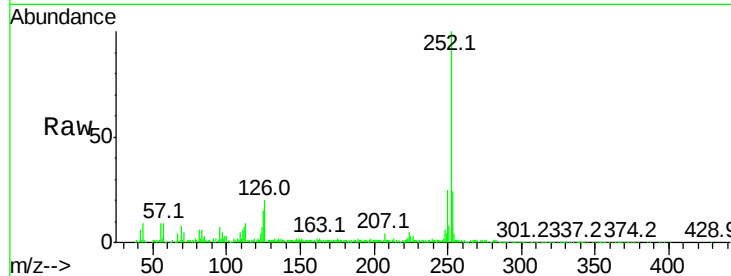
Instrument :
BNA_F

Client Sample ID :
PL-01-012418-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	15.0	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 22.182 ng/mL

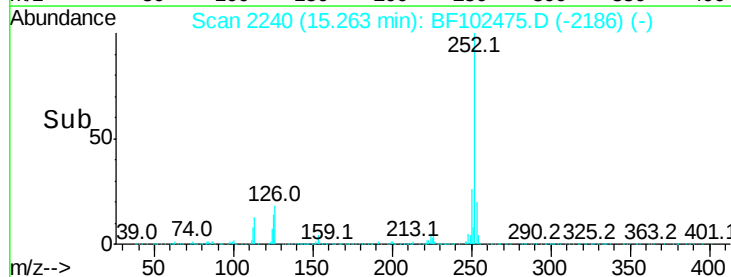
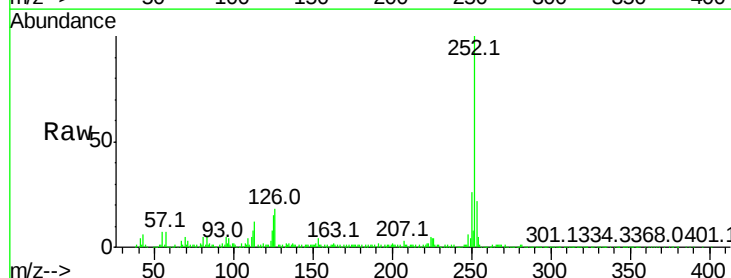
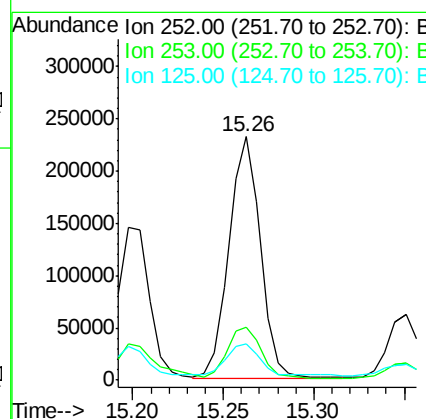
RT: 15.26 min Scan# 2240

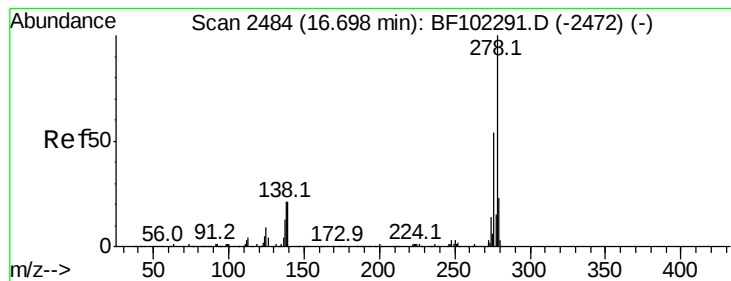
Delta R.T. 0.02 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	14.7	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.415 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.02 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Instrument :

BNA_F

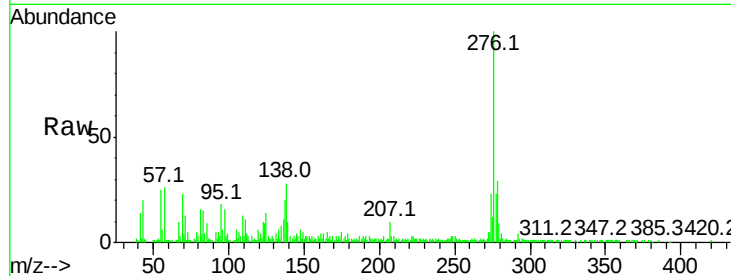
ClientSampleId :

PL-01-012418-A

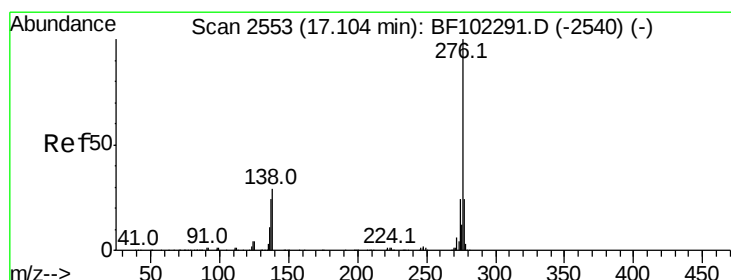
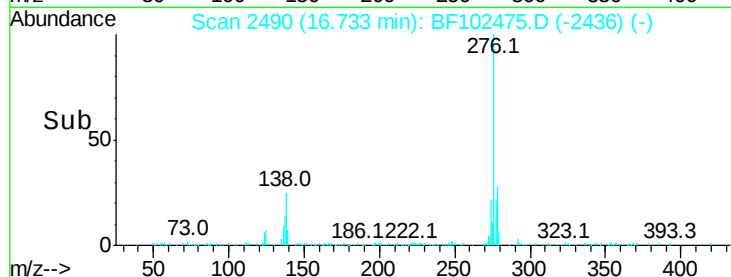
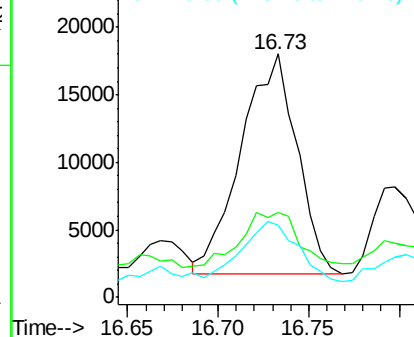
Tot Ion:278	Resp:	34950
Ion Ratio	Lower	Upper
278	100	
139	35.0	15.9 23.9#
279	29.5	19.0 28.4#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.890 ng

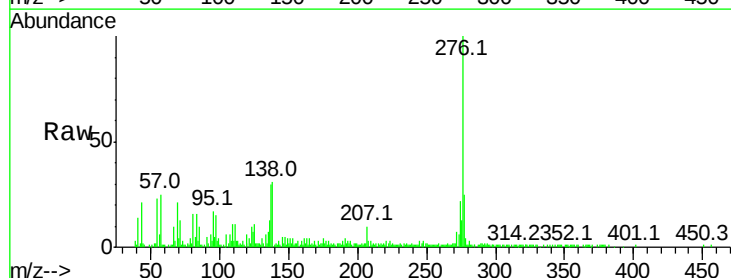
RT: 17.15 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BF102475.D

Acq: 26 Jan 2018 18:15

Tgt Ion:276	Resp:	130268
Ion Ratio	Lower	Upper
276	100	
277	25.5	17.9 26.9
138	30.6	21.8 32.8



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

