

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102471.D
 Acq On : 26 Jan 2018 16:27
 Operator : SJ/JU
 Sample : J1020-11 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 1/27/2018 1:46:52 PM

Quant Time: Jan 26 17:17:23 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	170046	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	676936	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	270409	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	379613	20.00	ng	0.00
75) Chrysene-d12	13.90	240	278503	20.00	ng	0.02
86) Perylene-d12	15.33	264	218621	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	594761	53.03	ng	0.01
7) Phenol-d6	6.36	99	725989	53.70	ng	0.00
23) Nitrobenzene-d5	7.29	82	342714	29.09	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	81576	30.45	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	677712	36.85	ng	0.00
78) Terphenyl-d14	12.83	244	464601	37.61	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.03	128	179756	5.318	ng	99
37) 2-Methylnaphthalene	8.72	142	79724	3.542	ng	98
48) Acenaphthylene	9.62	152	106577	3.640	ng	99
49) Dimethylphthalate	9.47	163	112399	5.029	ng	100
51) Acenaphthene	9.79	154	196346	11.482	ng	99
54) Dibenzofuran	9.96	168	247168	10.680	ng	99
57) Fluorene	10.31	166	400197	21.823	ng	97
70) Phenanthrene	11.28	178	1992577	90.077	ng	99
71) Anthracene	11.33	178	784005	34.723	ng	98
72) Carbazole	11.48	167	195036	8.854	ng	99
74) Fluoranthene	12.47	202	2247080	99.614	ng	98
77) Pylene	12.70	202	2026984	94.134	ng	99
80) Benzo(a)anthracene	13.89	228	946674	55.211	ng	97
82) Chrysene	13.92	228	779616	44.774	ng	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	34366	2.386	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	303413	21.100	ng	97
87) Benzo(b)fluoranthene	14.92	252	899947m	63.511	ng	
88) Benzo(k)fluoranthene	14.94	252	230305m	17.203	ng	
89) Benzo(a)pyrene	15.27	252	598532	46.835	ng	# 95
90) Dibenzo(a,h)anthracene	16.74	278	72112	6.966	ng	# 78
91) Benzo(g,h,i)perylene	17.17	276	309159	30.246	ng	94

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

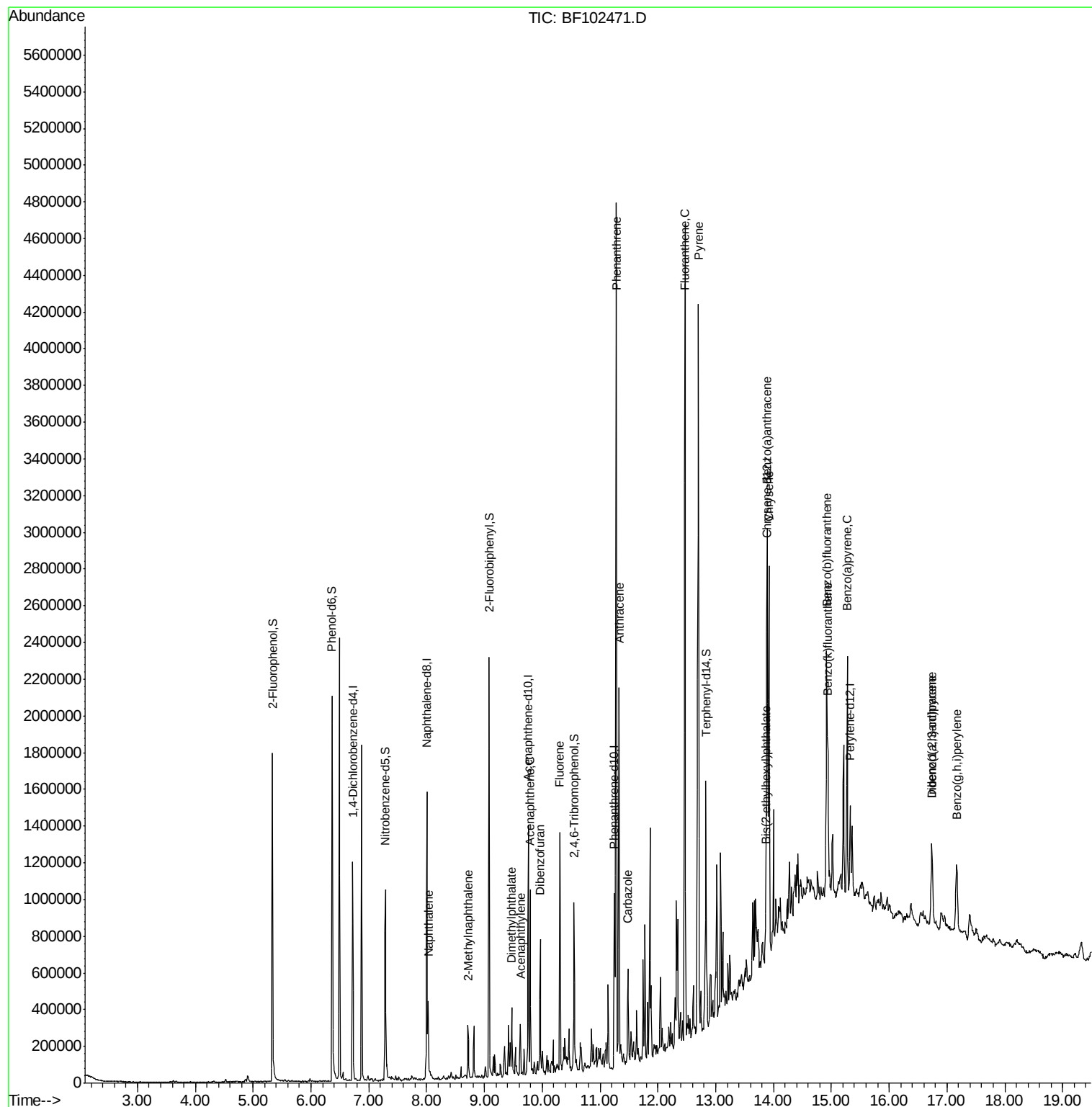
Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102471.D
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Sample : J1020-11 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

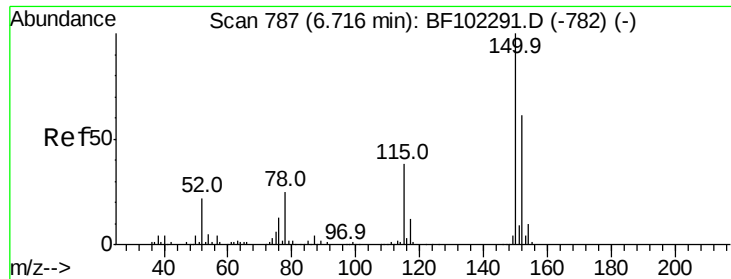
Instrument :
BNA_F
ClientSampleId :
PL-02-012418-B

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Quant Time: Jan 26 17:17:23 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





#1

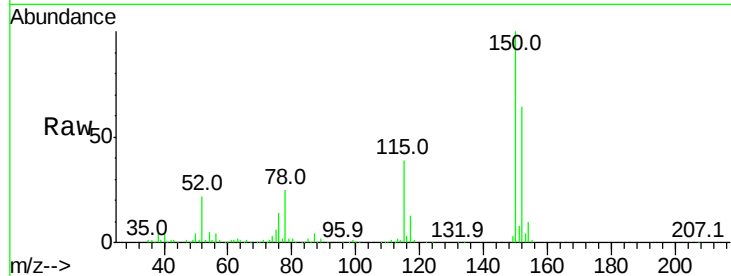
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

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

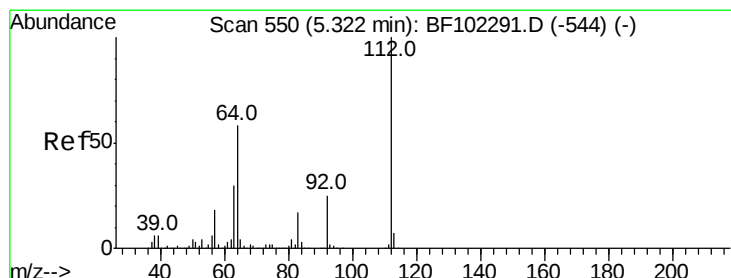
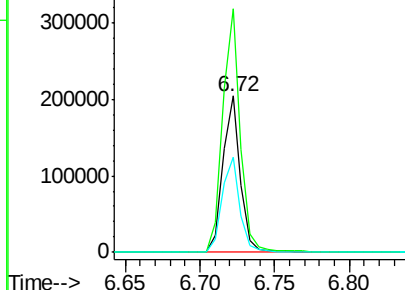
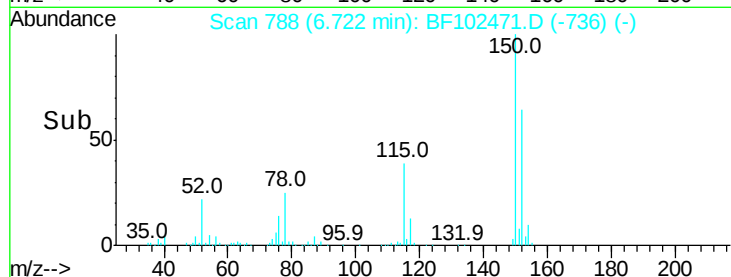
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	61.0	50.1	75.1

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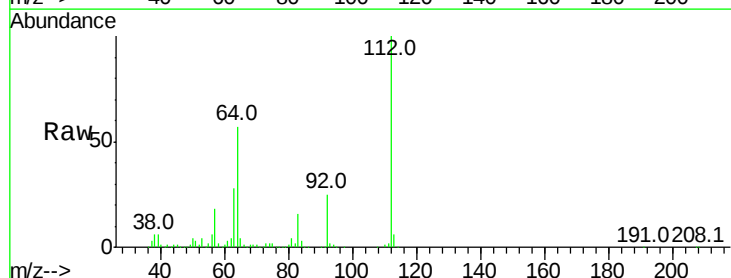
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



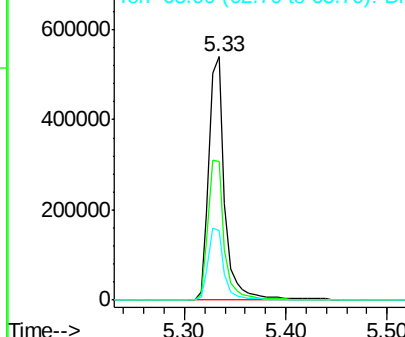
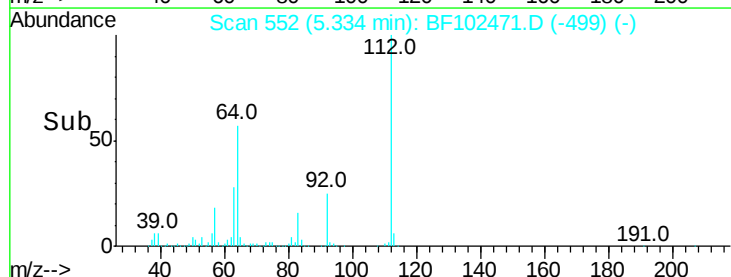
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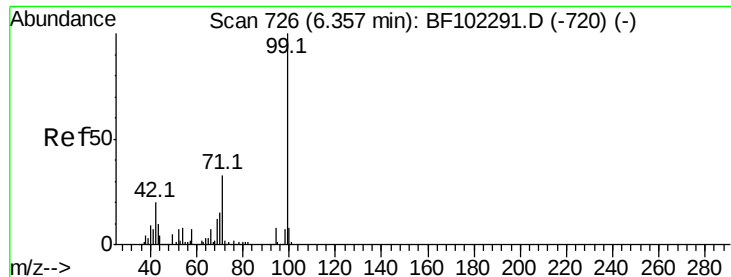
2-Fluorophenol
Concen: 53.033 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	28.5	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 53.695 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Instrument :

BNA_F

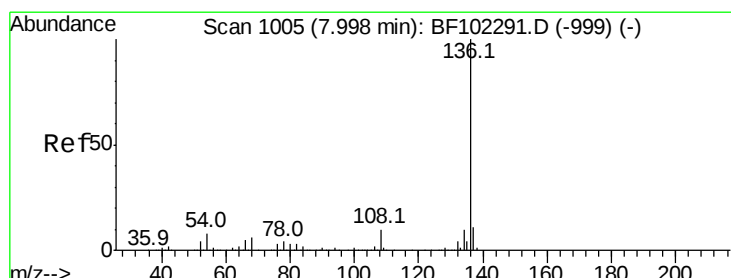
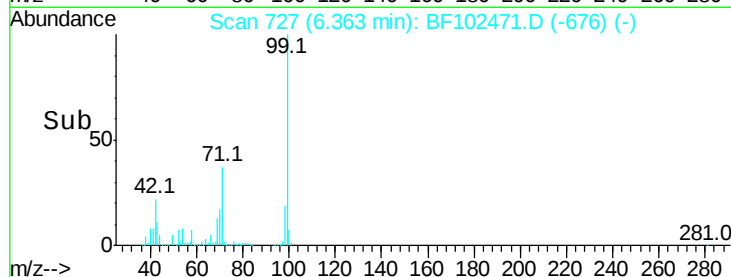
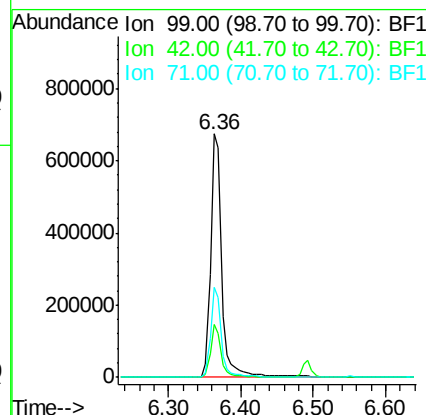
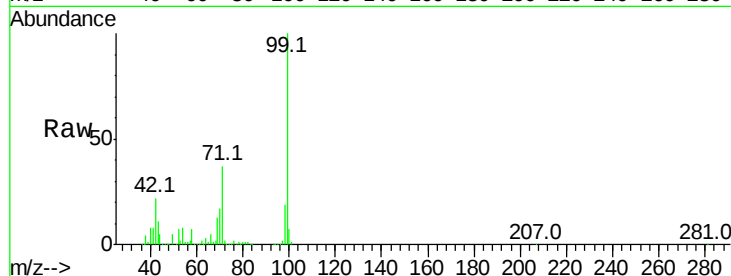
ClientSampleId :

PL-02-012418-B

Tot Ion:	99	Resp:	725989
Ion	Ratio	Lower	Upper
99	100		
42	21.7	14.5	21.7
71	36.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

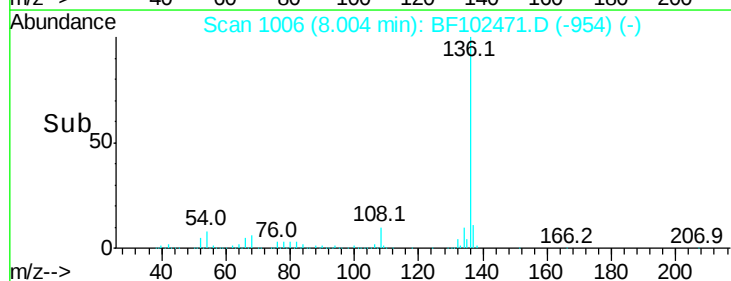
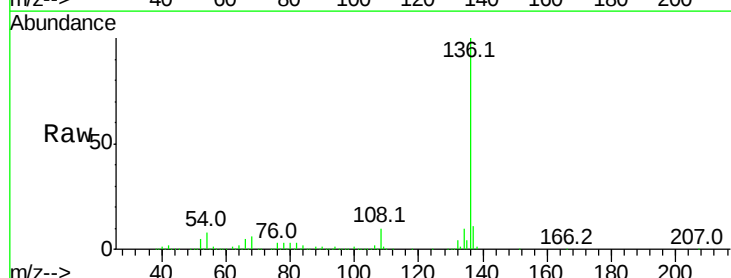
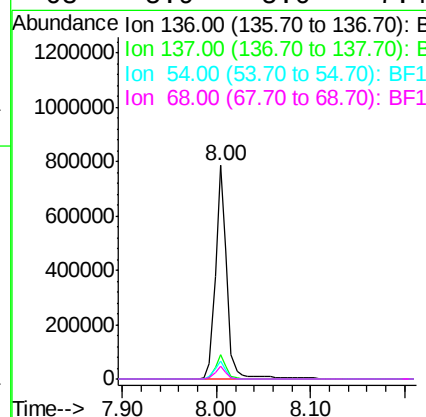
RT: 8.00 min Scan# 1006

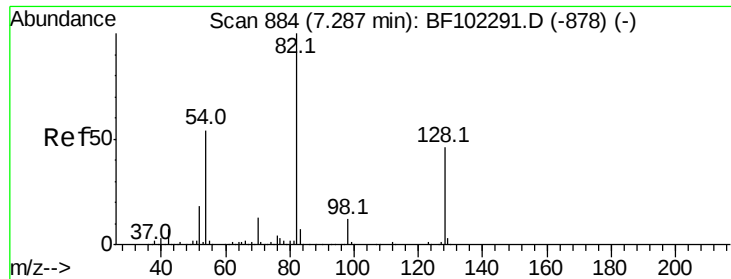
Delta R.T. 0.01 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Tgt Ion:	136	Resp:	676936
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	6.6	9.8
68	5.9	5.0	7.4





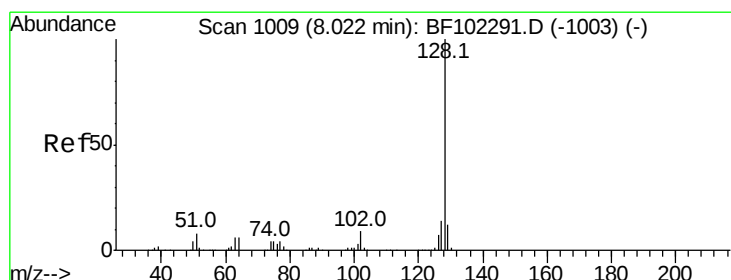
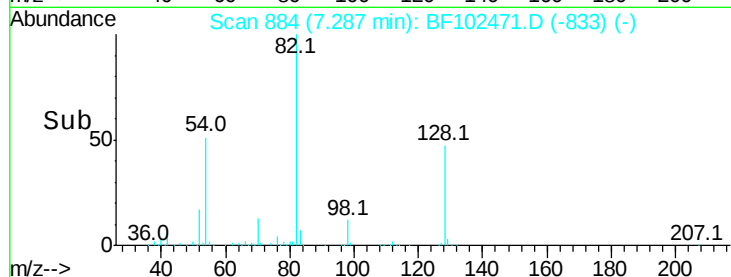
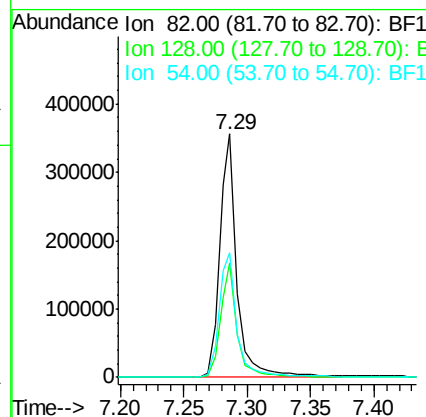
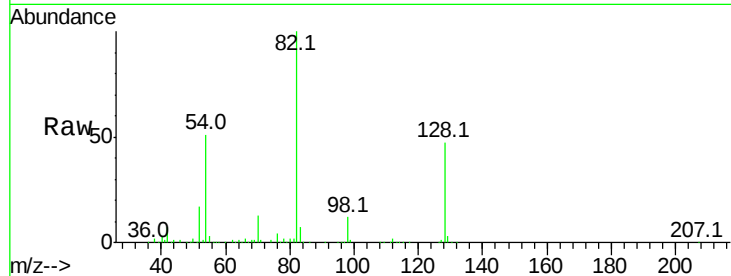
#23
Nitrobenzene-d5
Concen: 29.094 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	51.0	41.4	62.2

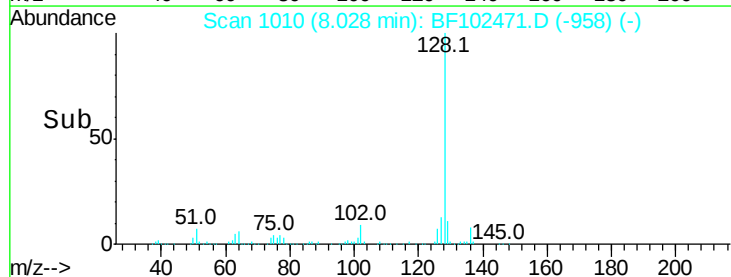
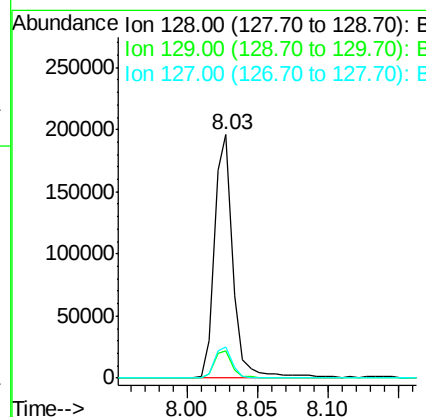
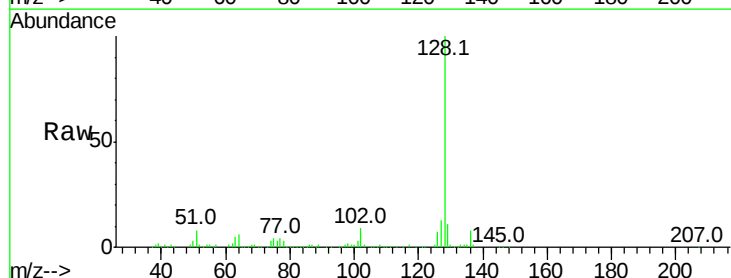
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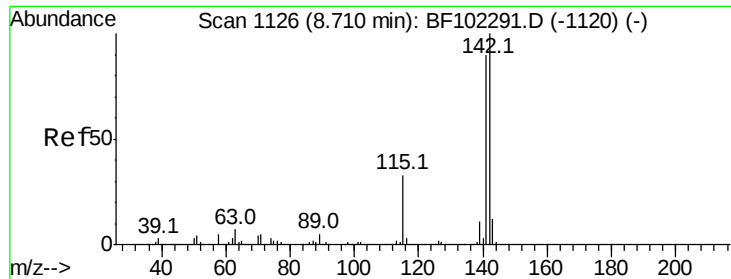
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#31
Naphthalene
Concen: 5.318 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.7	10.9	16.3





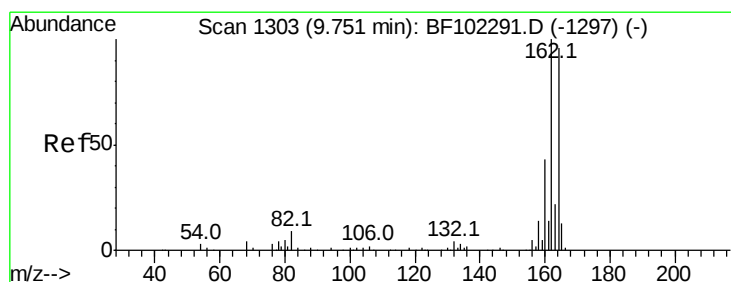
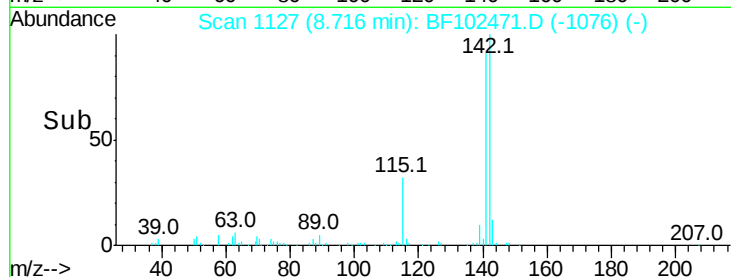
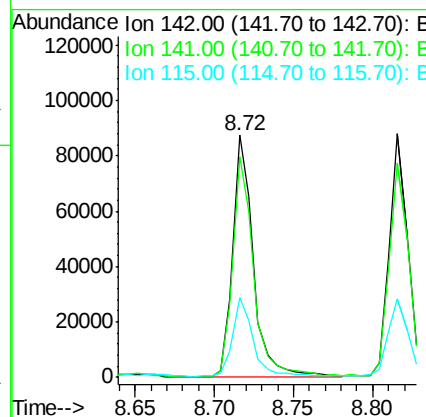
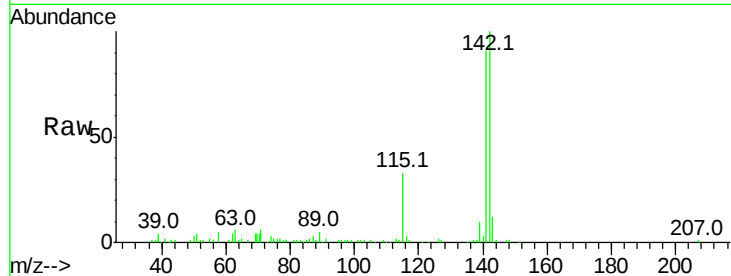
#37
2-Methylnaphthalene
Concen: 3.542 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.8	106.2
115	32.8	26.1	39.1

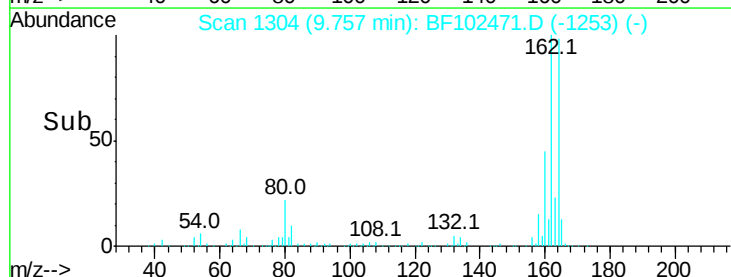
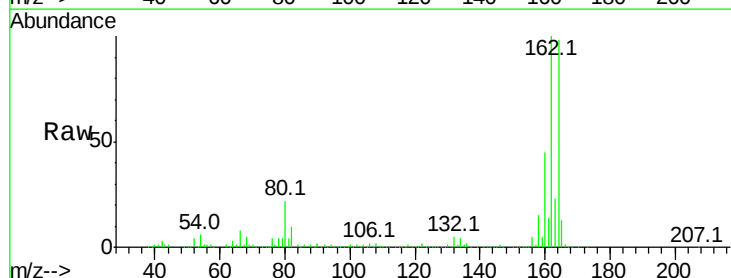
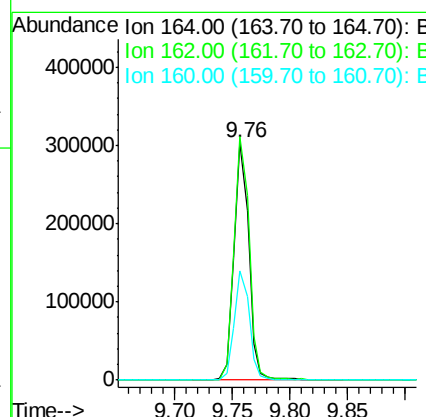
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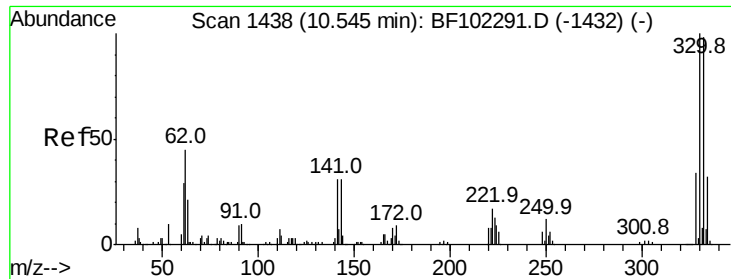
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	45.7	38.3	57.5





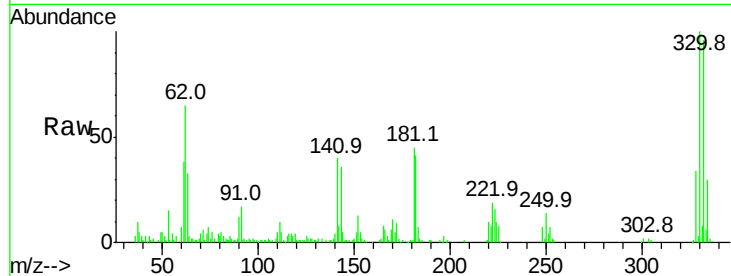
#41
 2,4,6-Tribromophenol
 Concen: 30.446 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102471.D
 Acq: 26 Jan 2018 16:27

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

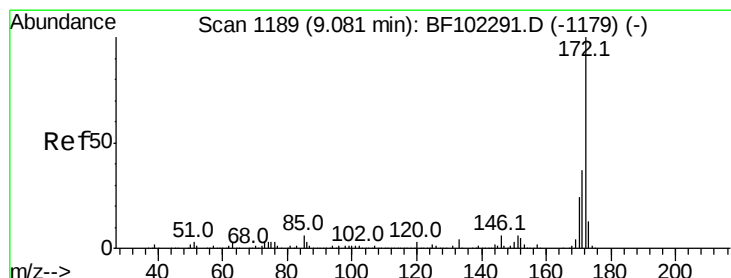
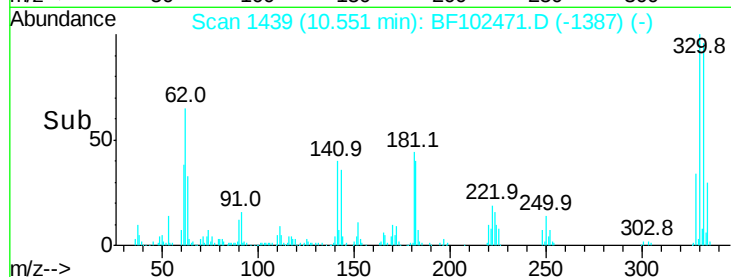
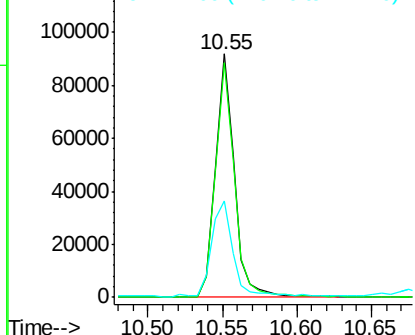
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	45.7	29.9	44.9

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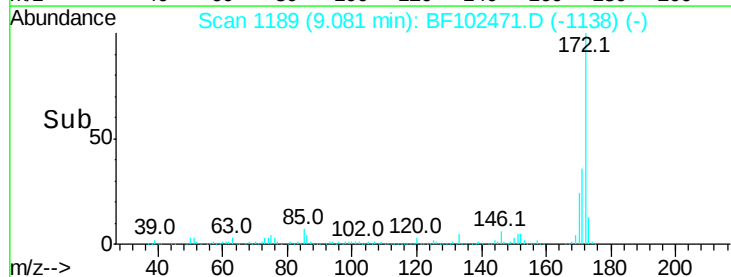
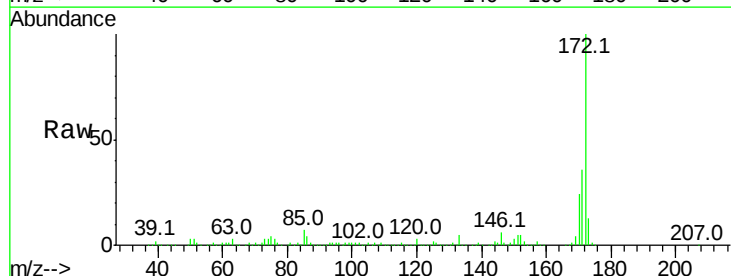
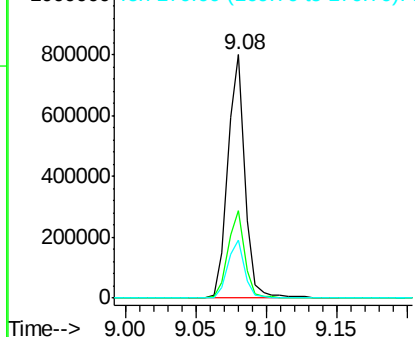
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

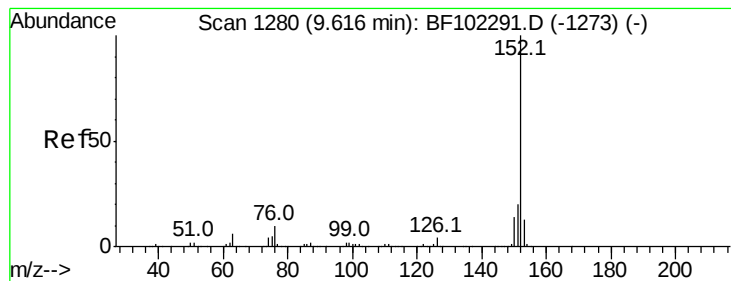


#44
 2-Fluorobiphenyl
 Concen: 36.851 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102471.D
 Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.9	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: 3.640 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Instrument :

BNA_F

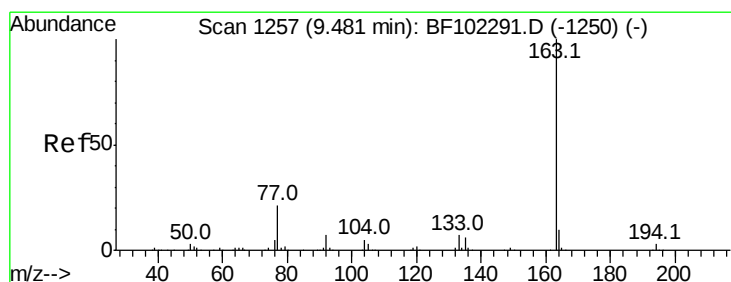
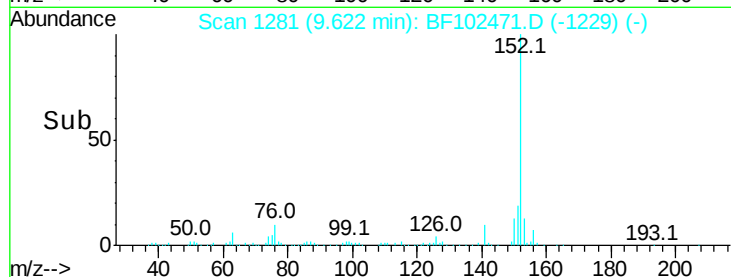
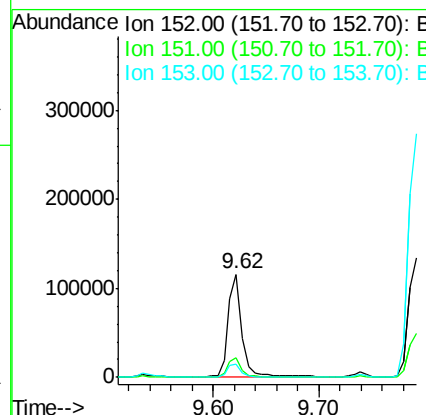
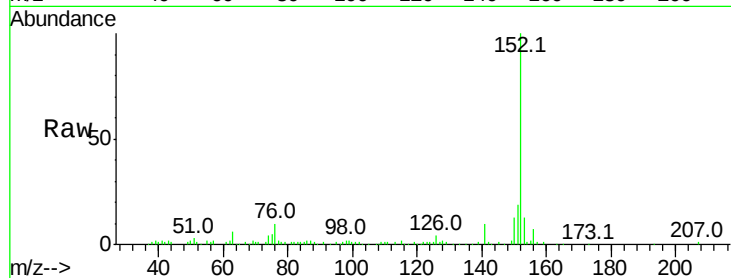
ClientSampleId :

PL-02-012418-B

Tot Ion	152	Resp	106577
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.3	24.5
153	13.3	10.7	16.1

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#49

Dimethylphthalate

Concen: 5.029 ng

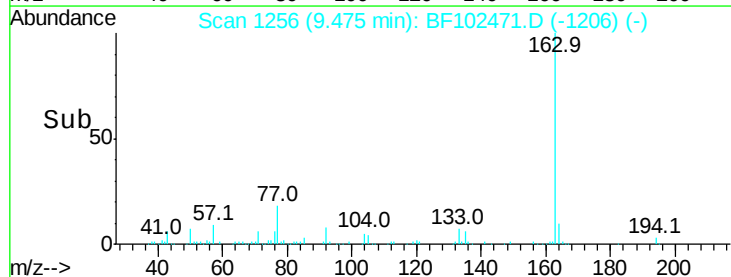
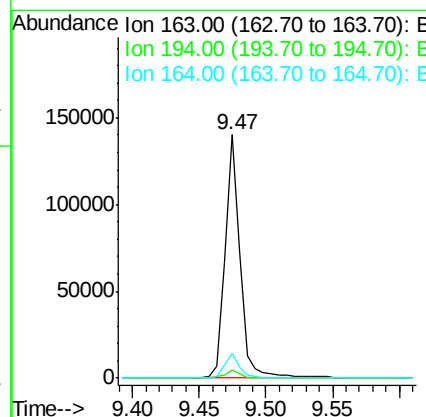
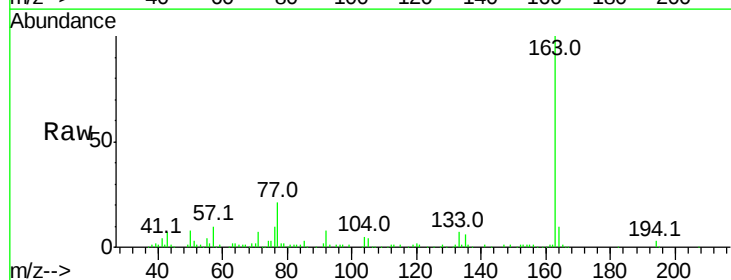
RT: 9.47 min Scan# 1256

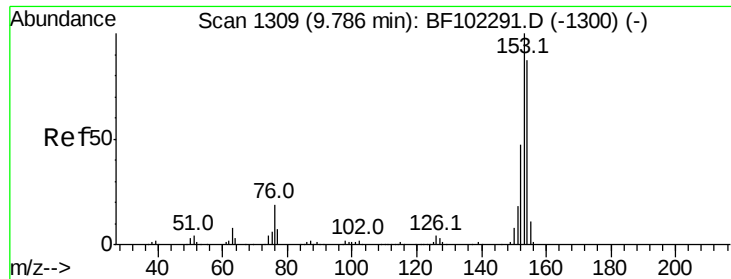
Delta R.T. -0.01 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Tgt Ion	163	Resp	112399
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	10.2	8.2	12.2





#51

Acenaphthene

Concen: 11.482 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Instrument :

BNA_F

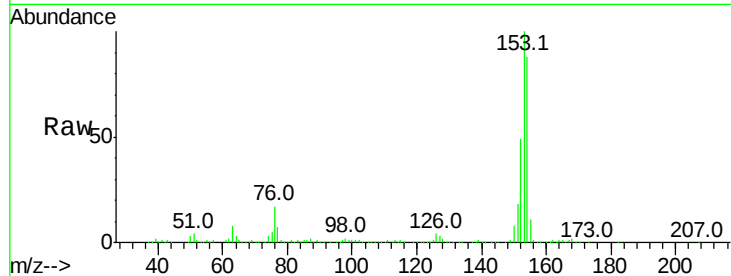
ClientSampleId :

PL-02-012418-B

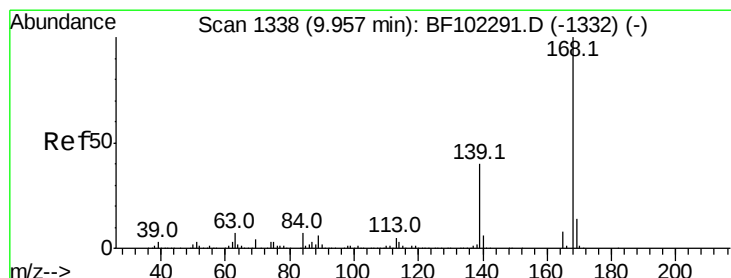
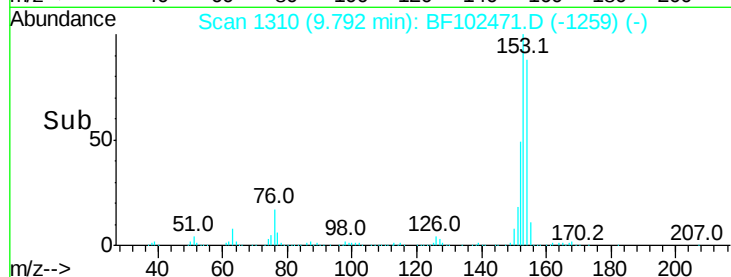
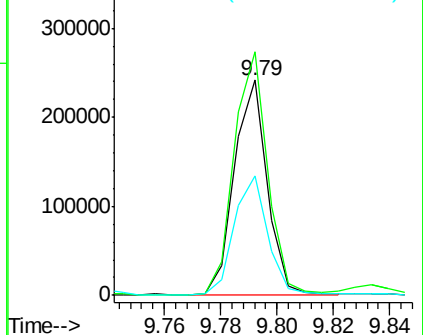
Tot Ion:	154	Resp:	196346
Ion Ratio	Lower	Upper	
154	100		
153	113.3	91.2	136.8
152	55.4	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 10.680 ng

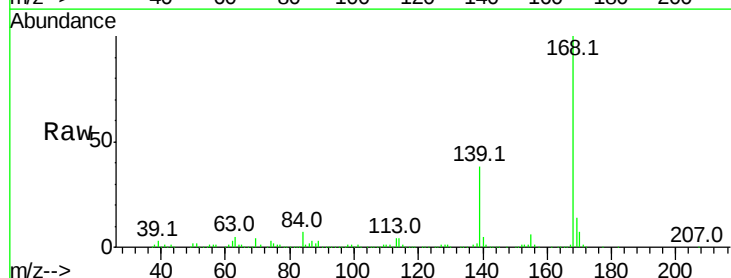
RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

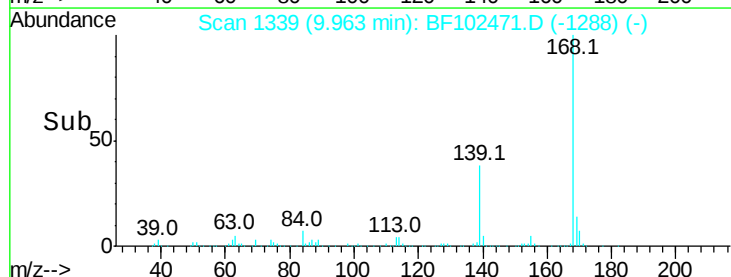
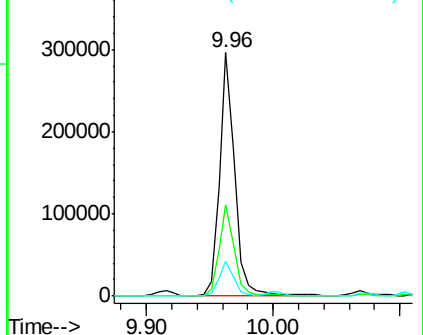
Lab File: BF102471.D

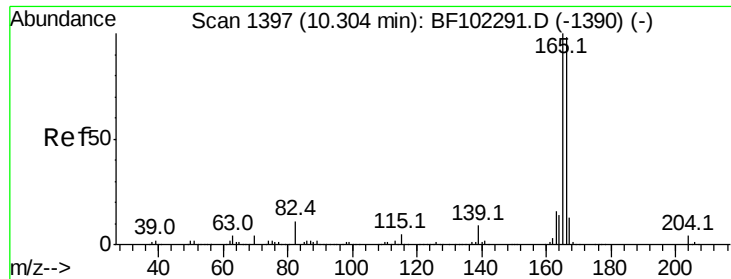
Acq: 26 Jan 2018 16:27

Tgt Ion:	168	Resp:	247168
Ion Ratio	Lower	Upper	
168	100		
139	37.7	30.1	45.1
169	14.3	10.9	16.3



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





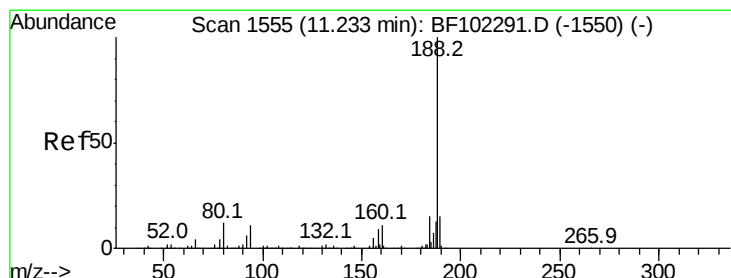
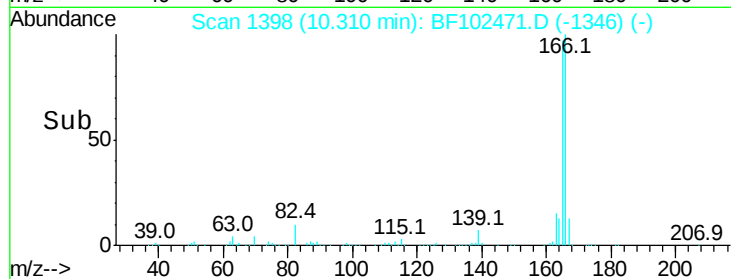
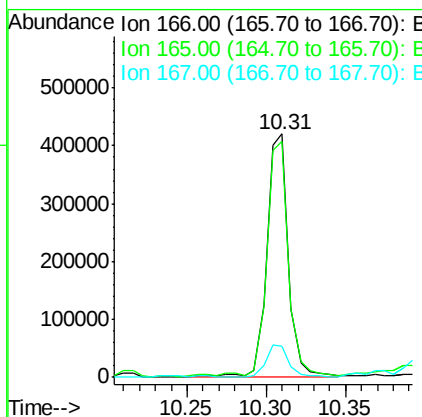
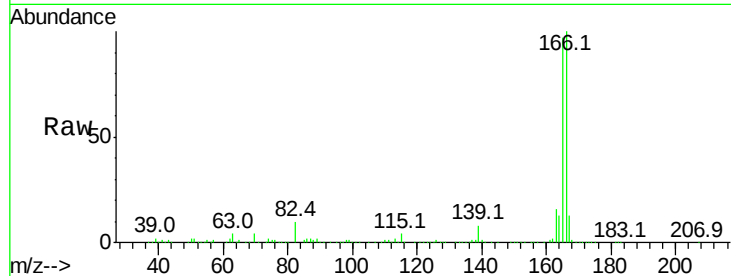
#57
Fluorene
 Concen: 21.823 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: BF102471.D
 Acq: 26 Jan 2018 16:27

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100	400197		
165	97.0	79.8	119.8	
167	12.9	10.6	16.0	

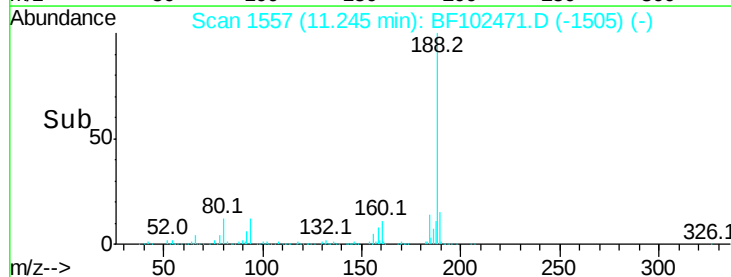
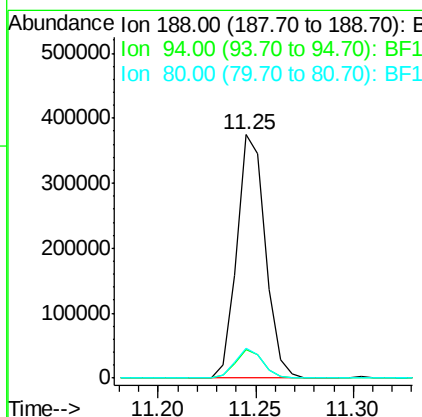
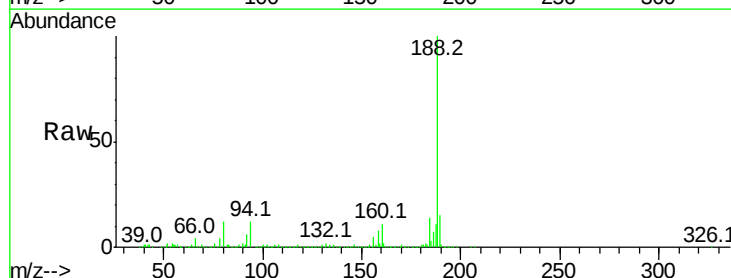
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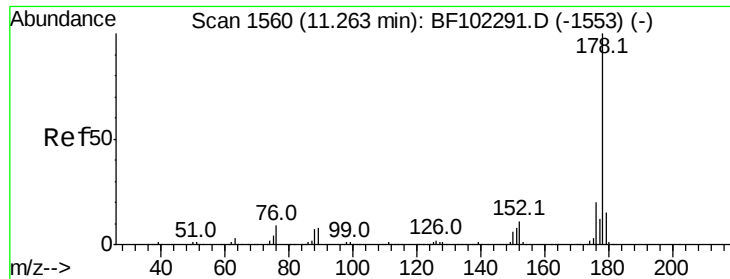
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF102471.D
 Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	379613		
94	11.7	8.5	12.7	
80	12.4	9.2	13.8	





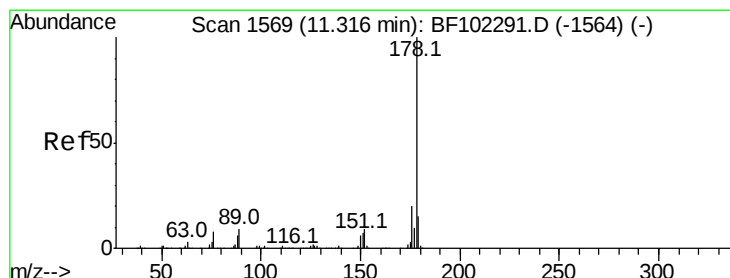
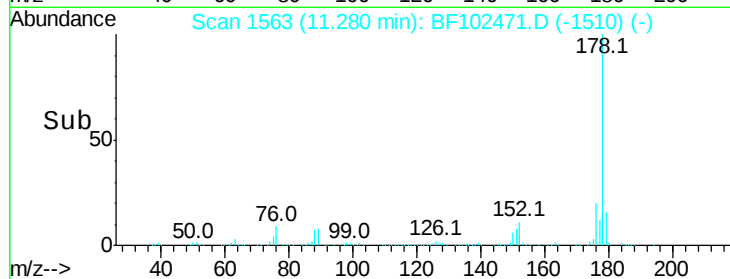
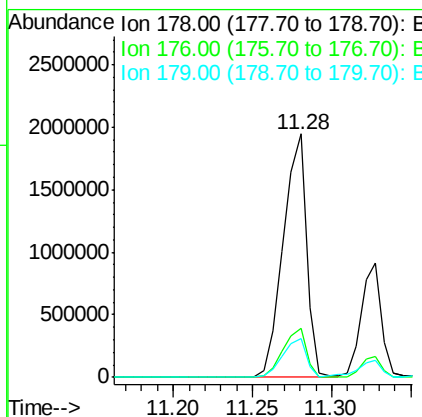
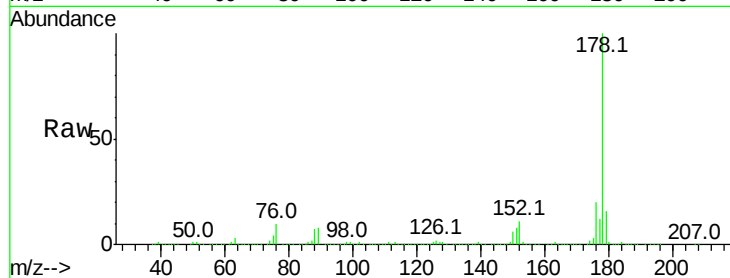
#70
Phenanthrene
Concen: 90.077 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.9	13.0	19.6

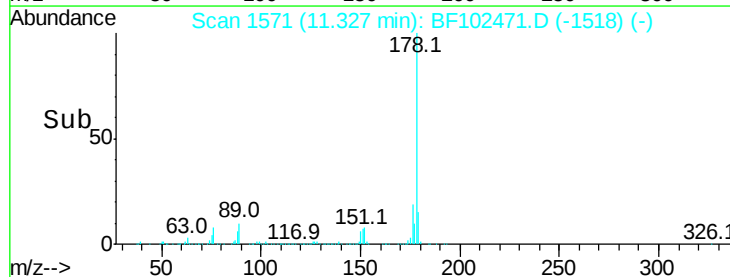
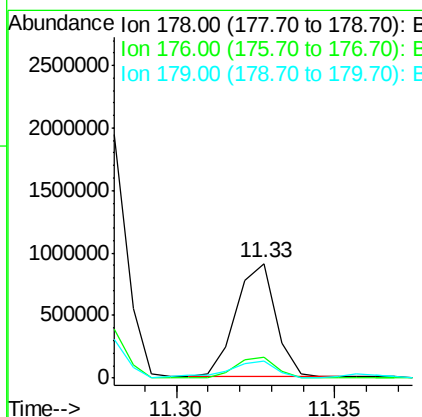
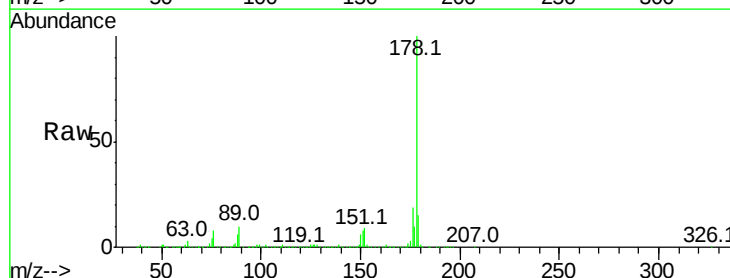
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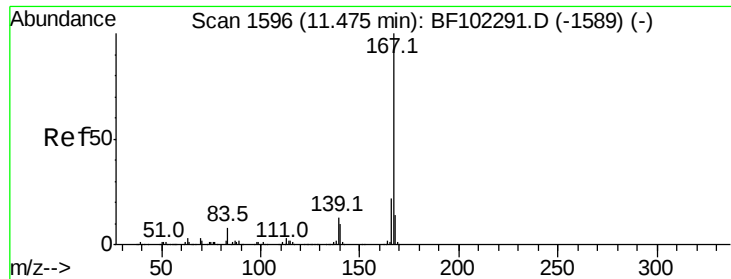
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#71
Anthracene
Concen: 34.723 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	14.9	12.6	19.0





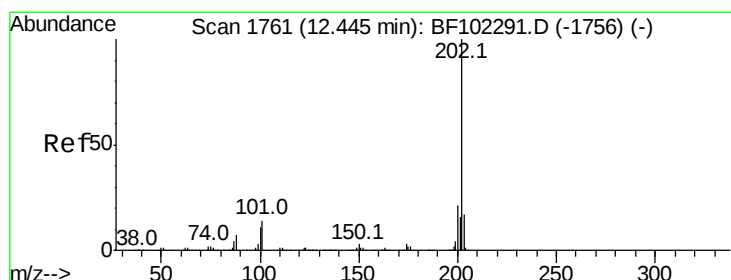
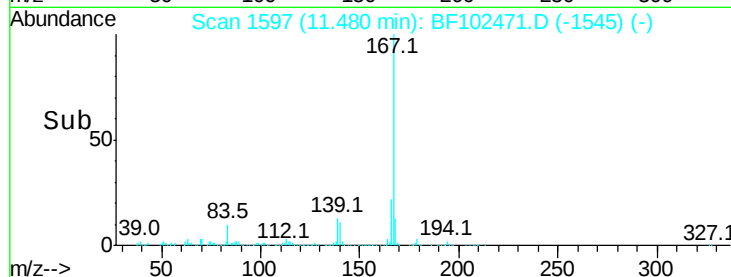
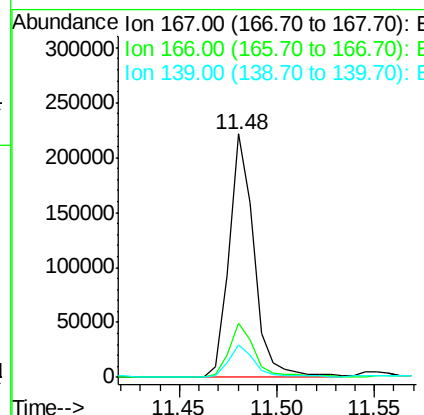
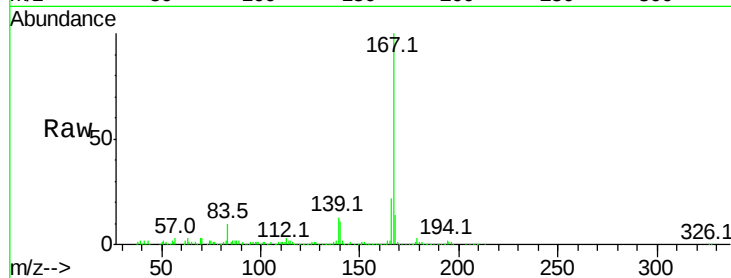
#72
 Carbazole
 Concen: 8.854 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF102471.D
 Acq: 26 Jan 2018 16:27

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

Tot Ion	Ratio	Resp	Lower	Upper
167	100	195036		
166	22.1		17.6	26.4
139	13.2		10.9	16.3

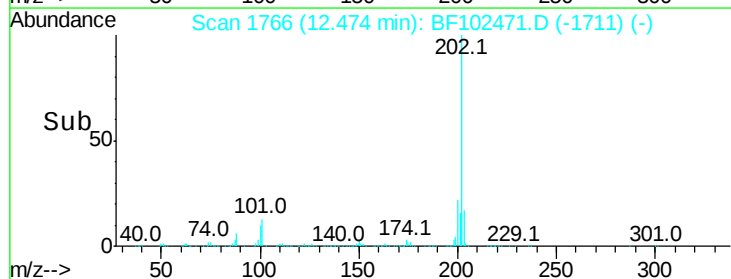
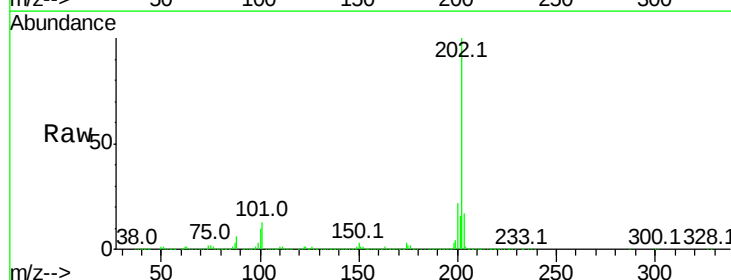
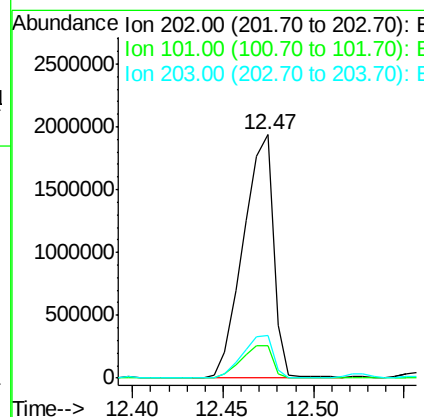
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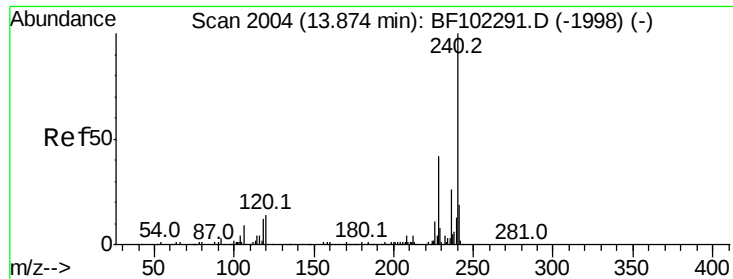
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#74
 Fluoranthene
 Concen: 99.614 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. 0.02 min
 Lab File: BF102471.D
 Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2247080		
101	13.4		0.0	34.1
203	17.5		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Instrument :

BNA_F

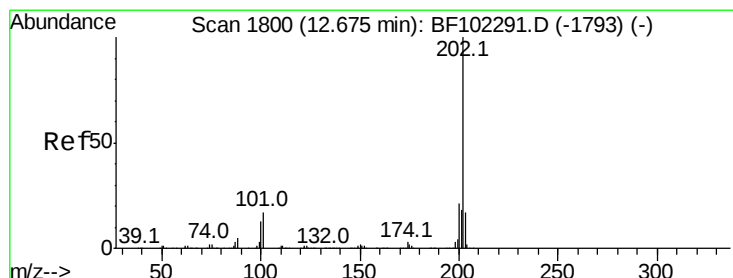
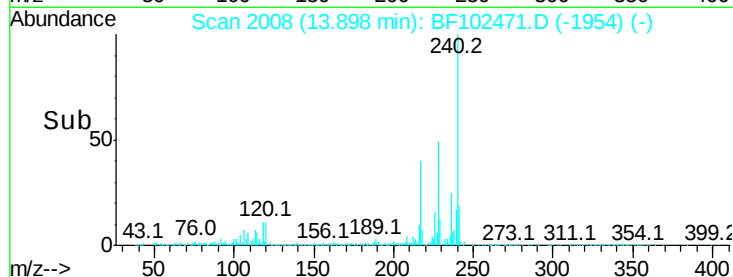
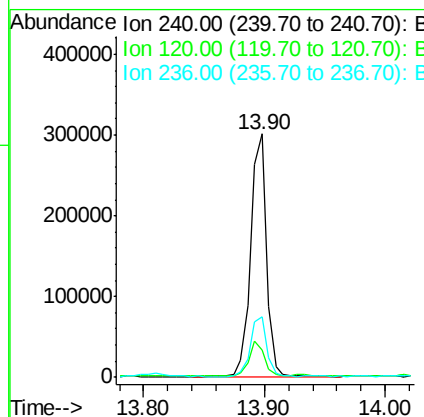
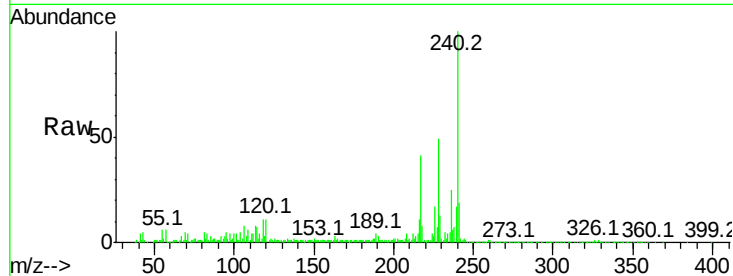
ClientSampleId :

PL-02-012418-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	25.0	20.7	31.1

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#77

Pyrene

Concen: 94.134 ng

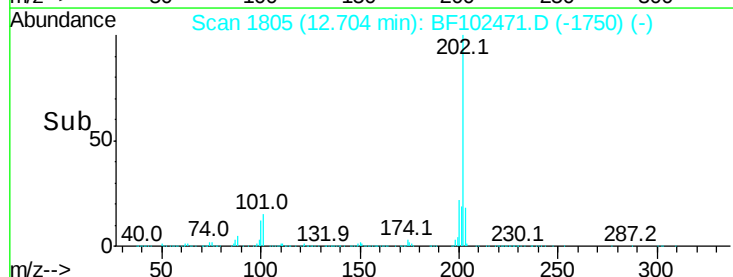
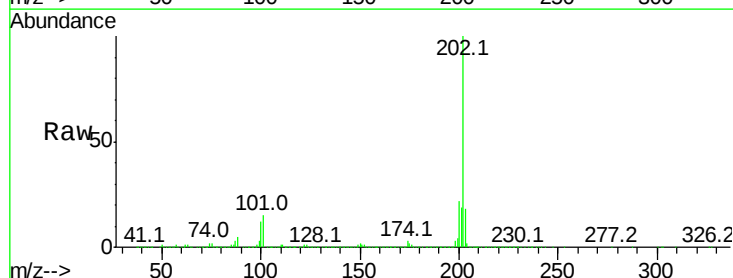
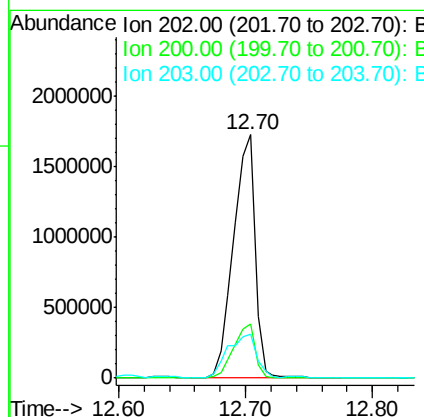
RT: 12.70 min Scan# 1805

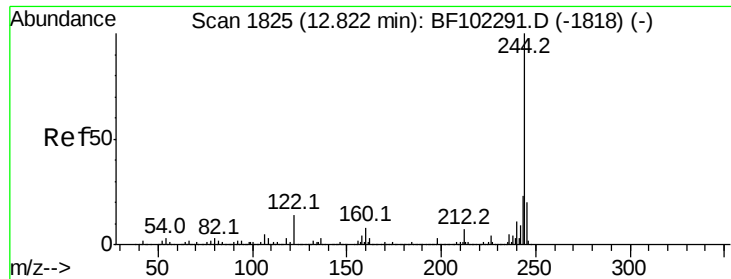
Delta R.T. 0.02 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	18.3	14.3	21.5





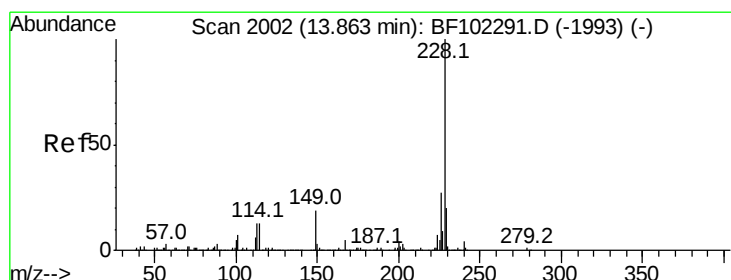
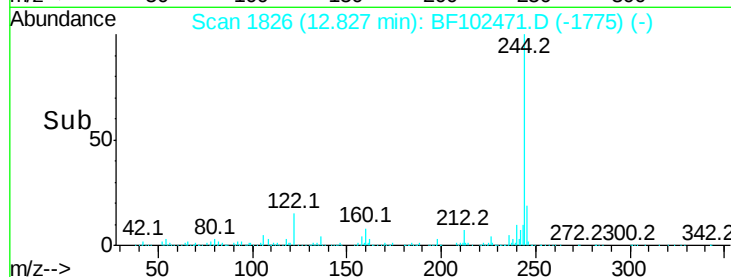
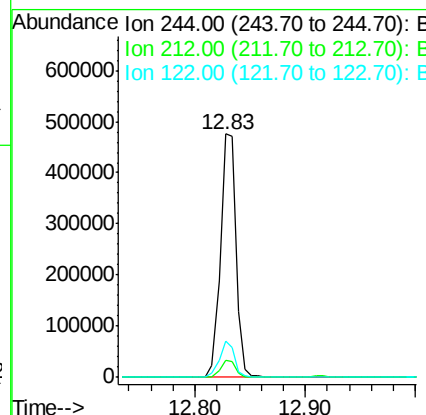
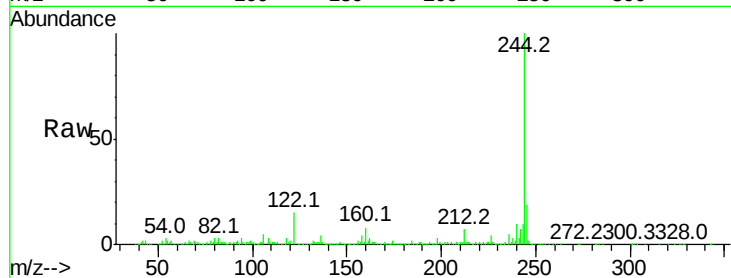
#78
 Terphenyl-d14
 Concen: 37.607 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF102471.D
 Acq: 26 Jan 2018 16:27

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	15.0	11.0	16.4

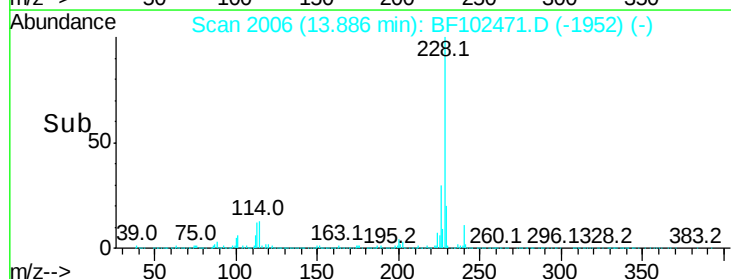
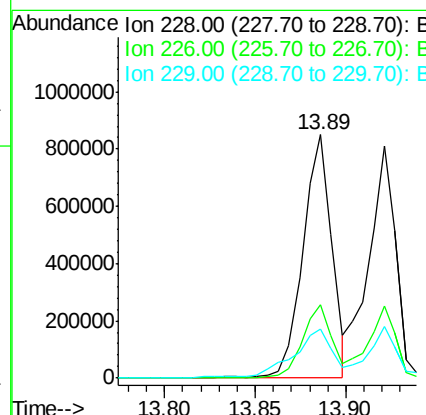
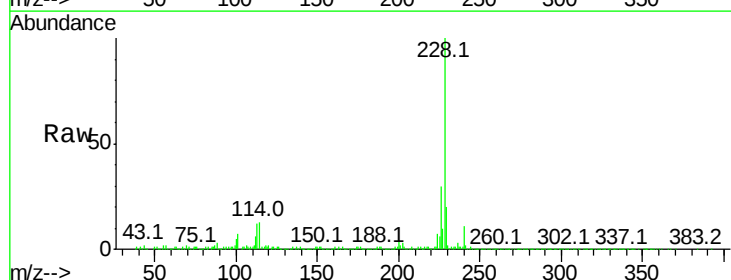
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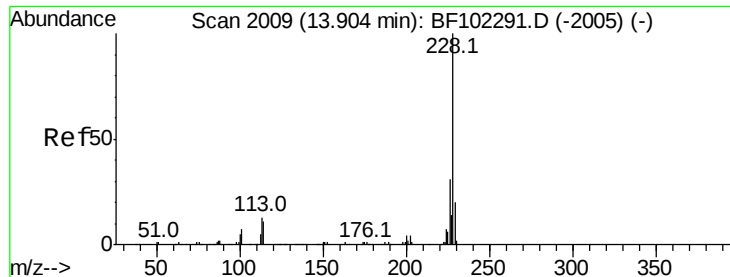
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#80
 Benzo(a)anthracene
 Concen: 55.211 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.02 min
 Lab File: BF102471.D
 Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	20.4	15.8	23.6





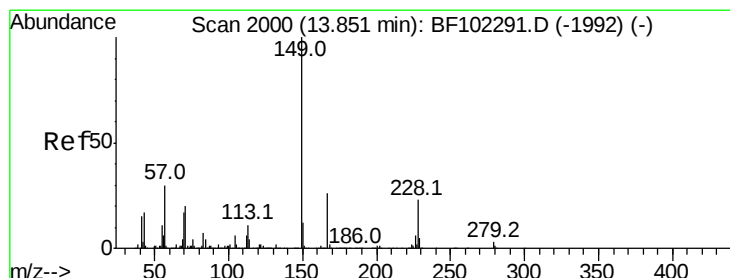
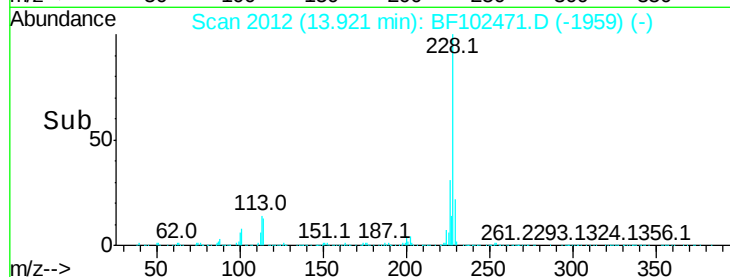
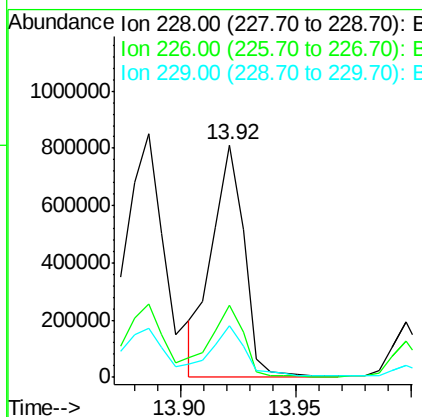
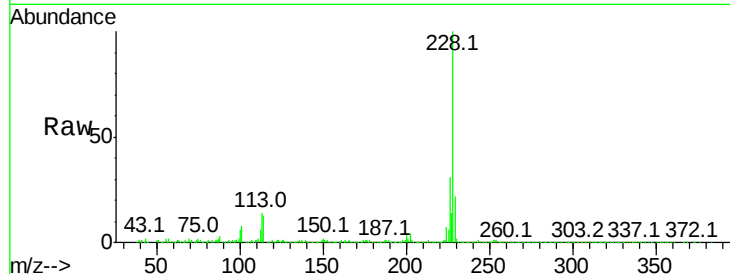
#82
Chrysene
Concen: 44.774 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.5	16.2	24.4

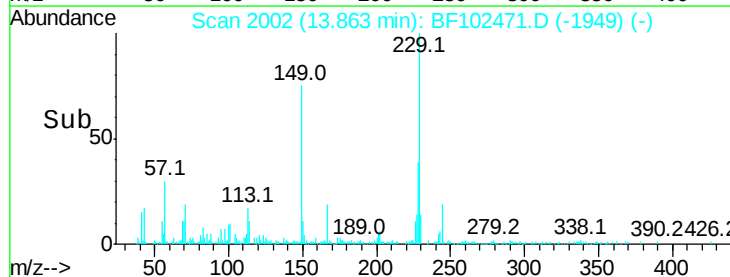
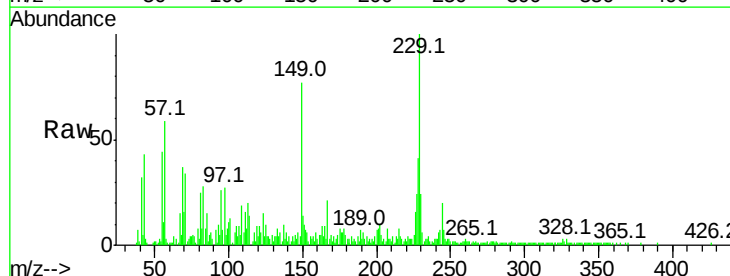
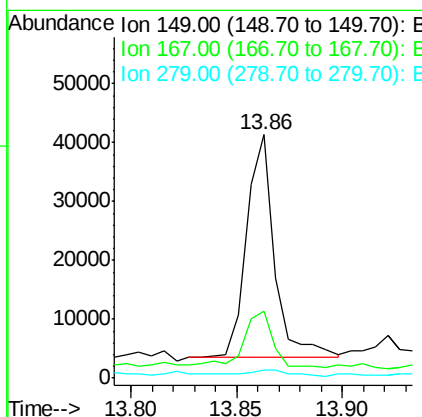
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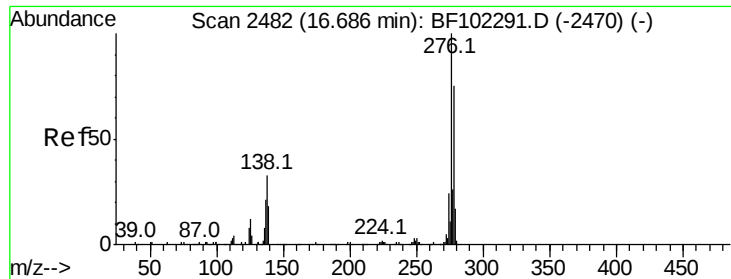
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.386 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.3	31.9
279	3.2	3.0	4.4





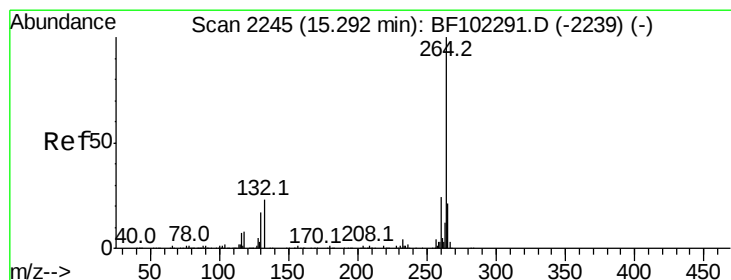
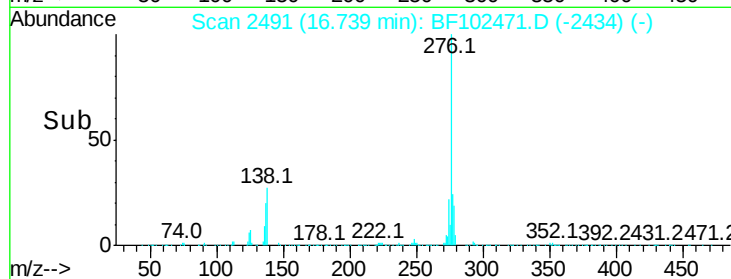
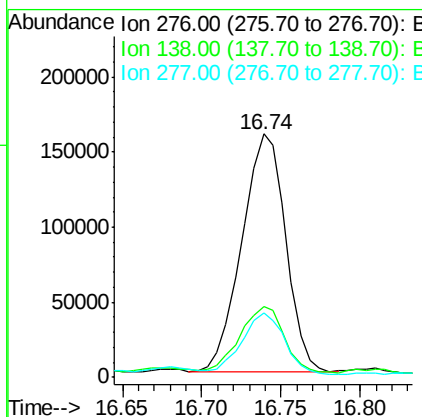
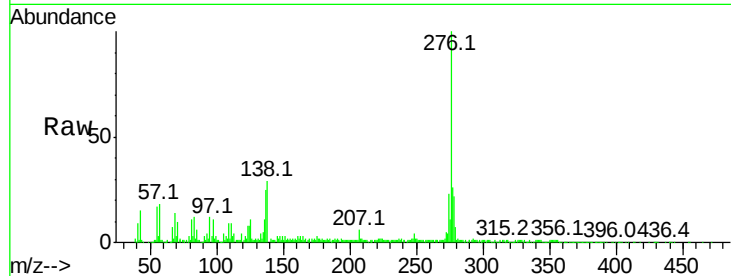
#85
Indeno(1,2,3-cd)pyrene
Concen: 21.100 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.04 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	25.0	37.6
277	25.1	20.1	30.1

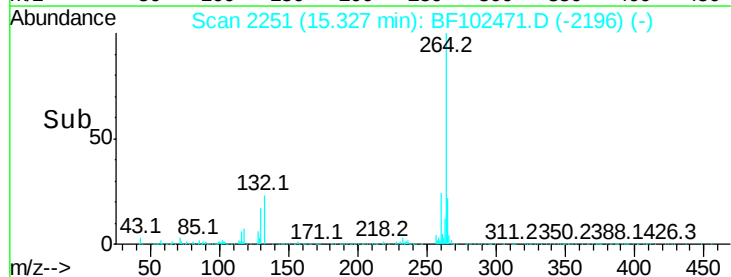
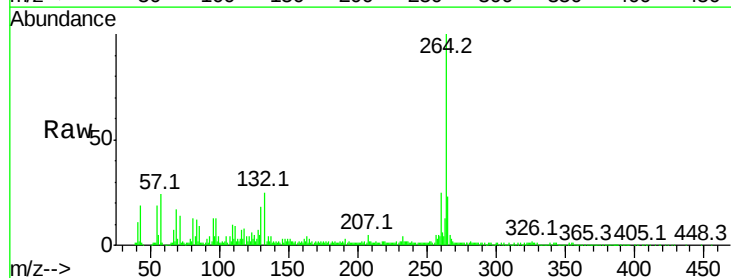
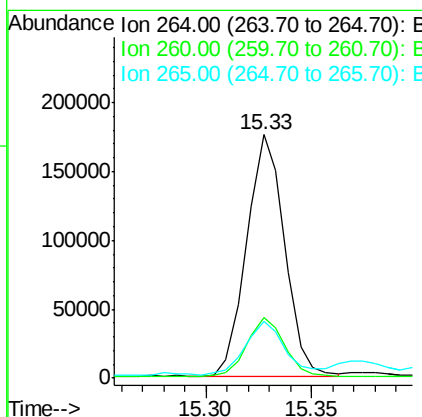
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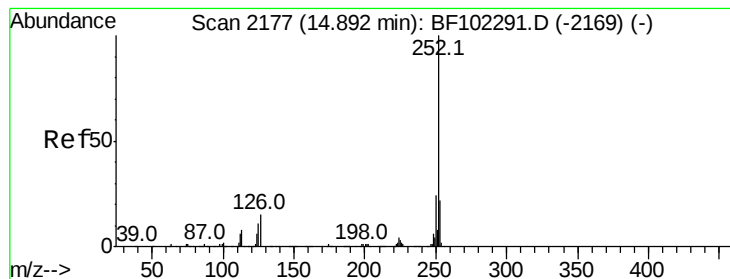
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF102471.D
Acq: 26 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	23.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 63.511 ng m

RT: 14.92 min Scan# 2182

Delta R.T. 0.02 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Instrument :

BNA_F

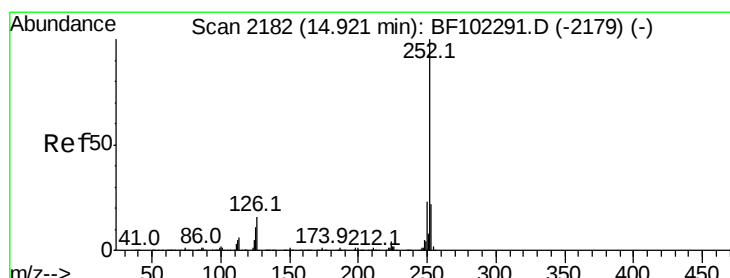
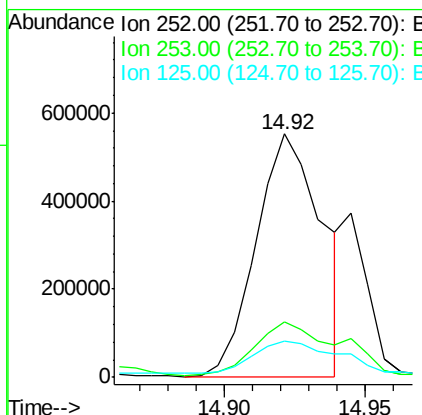
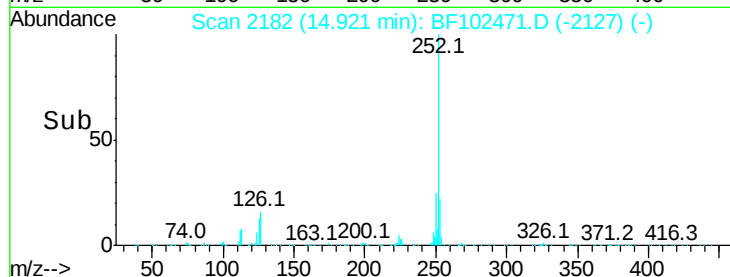
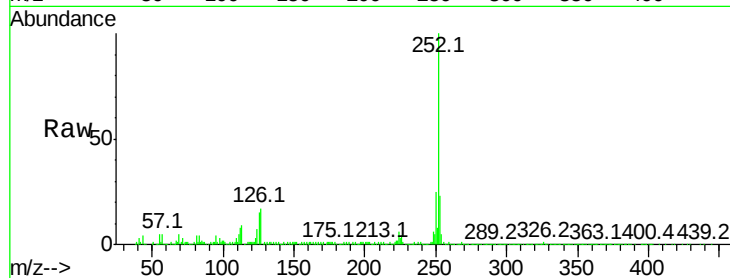
ClientSampleId :

PL-02-012418-B

Tot Ion:	252	Resp:	899947
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	15.1	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 17.203 ng m

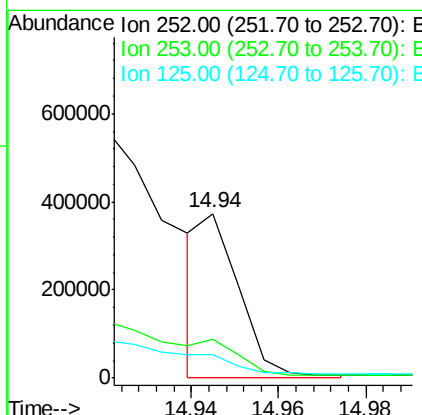
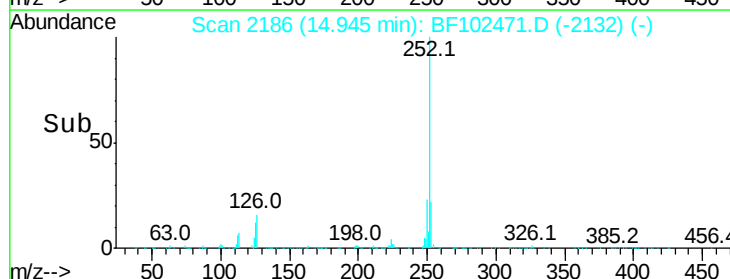
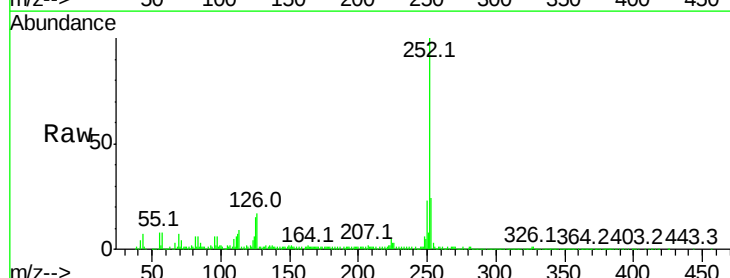
RT: 14.94 min Scan# 2186

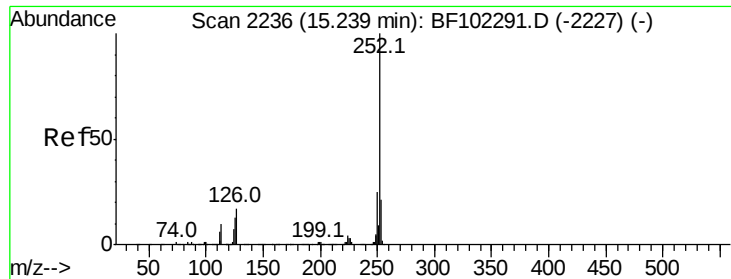
Delta R.T. 0.02 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Tgt Ion:	252	Resp:	230305
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	14.6	10.2	15.2





#89

Benzo(a)pyrene

Concen: 46.835 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.03 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Instrument :

BNA_F

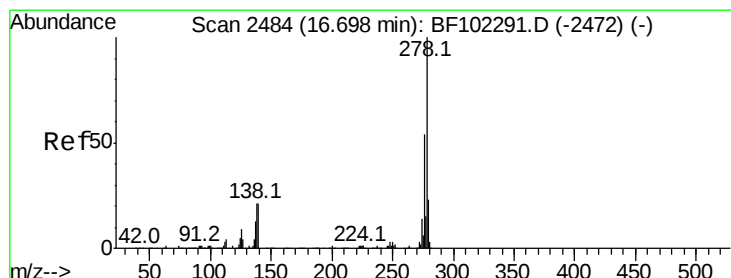
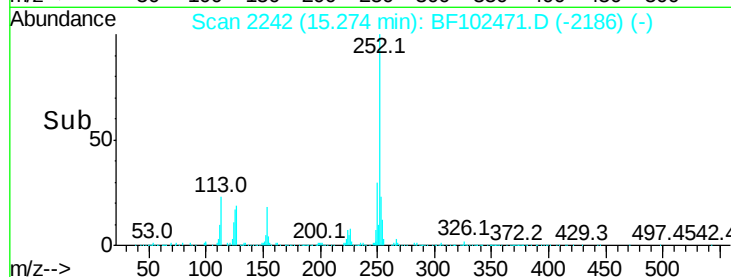
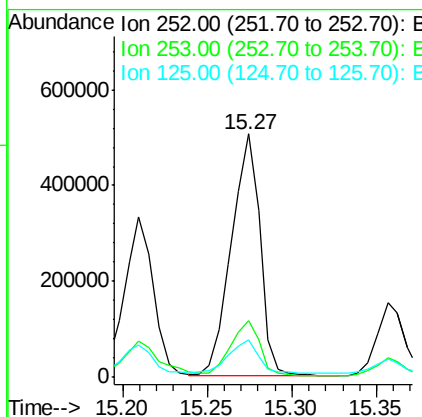
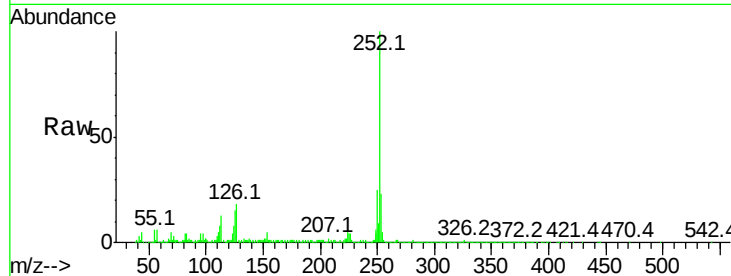
ClientSampleId :

PL-02-012418-B

Tot Ion:	252	Resp:	598532
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	15.2	9.8	14.6

Manual Integrations
APPROVED

Sohil
1/27/2018 1:46:52 PM



#90

Dibenzo(a,h)anthracene

Concen: 6.966 ng

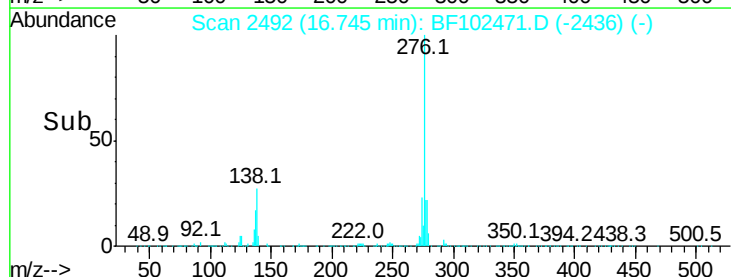
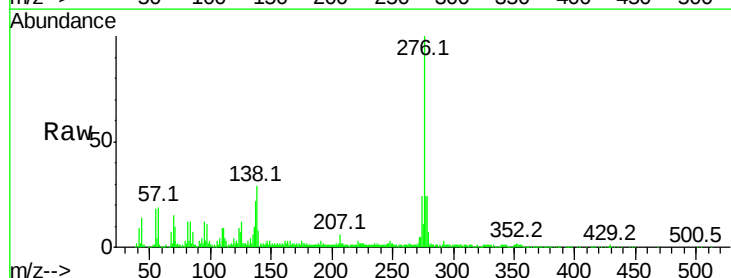
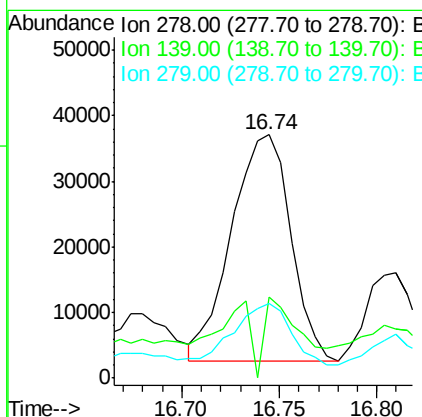
RT: 16.74 min Scan# 2492

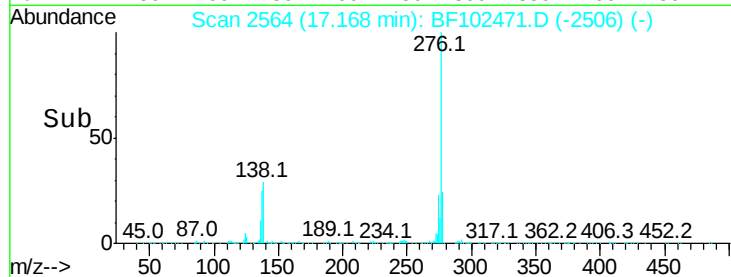
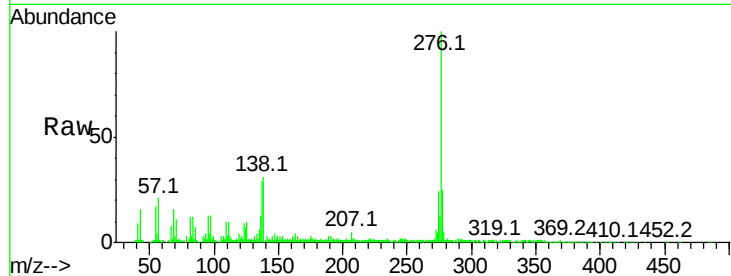
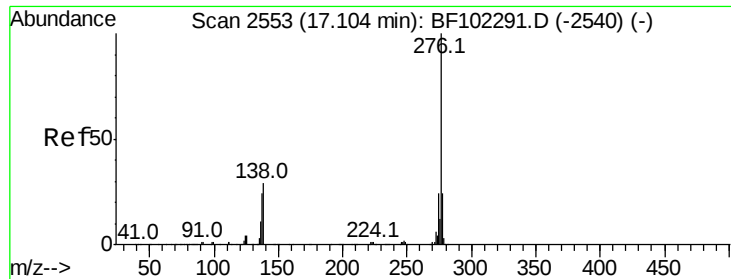
Delta R.T. 0.03 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Tgt Ion:	278	Resp:	72112
Ion Ratio	Lower	Upper	
278	100		
139	33.5	15.9	23.9
279	30.9	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 30.246 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.04 min

Lab File: BF102471.D

Acq: 26 Jan 2018 16:27

Instrument :

BNA_F

ClientSampleId :

PL-02-012418-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	30.8	21.8	32.8

Manual Integrations
APPROVED

Sohil
1/27/2018 1:46:52 PM

