

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102476.D
 Acq On : 26 Jan 2018 18:42
 Operator : SJ/JU
 Sample : J1020-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jan 26 22:18:09 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	166495	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	680545	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	268920	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	376709	20.00	ng	0.00
75) Chrysene-d12	13.89	240	290519	20.00	ng	0.00
86) Perylene-d12	15.32	264	196737	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	563826	51.35	ng	0.00
7) Phenol-d6	6.36	99	675155	51.00	ng	0.00
23) Nitrobenzene-d5	7.29	82	333750	28.18	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	82448	30.94	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	655797	35.86	ng	0.00
78) Terphenyl-d14	12.83	244	447862	34.75	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	128264	5.770	ng	99
51) Acenaphthene	9.79	154	41220	2.424	ng	96
57) Fluorene	10.30	166	78356	4.296	ng	99
70) Phenanthrene	11.27	178	483719	22.036	ng	99
71) Anthracene	11.32	178	186228	8.312	ng	98
74) Fluoranthene	12.46	202	569755	25.452	ng	99
77) Pyrene	12.69	202	565980	25.197	ng	100
80) Benzo(a)anthracene	13.87	228	271727	15.192	ng	98
82) Chrysene	13.91	228	242437	13.348	ng	99
85) Indeno(1,2,3-cd)pyrene	16.73	276	66399	4.426	ng	96
87) Benzo(b)fluoranthene	14.91	252	203308m	15.944	ng	
88) Benzo(k)fluoranthene	14.93	252	68638m	5.697	ng	
89) Benzo(a)pyrene	15.26	252	144191	12.538	ng	# 94
90) Dibenzo(a,h)anthracene	16.73	278	18637	2.001	ng	# 69
91) Benzo(a,h,i)perylene	17.16	276	68609	7.459	ng	94

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

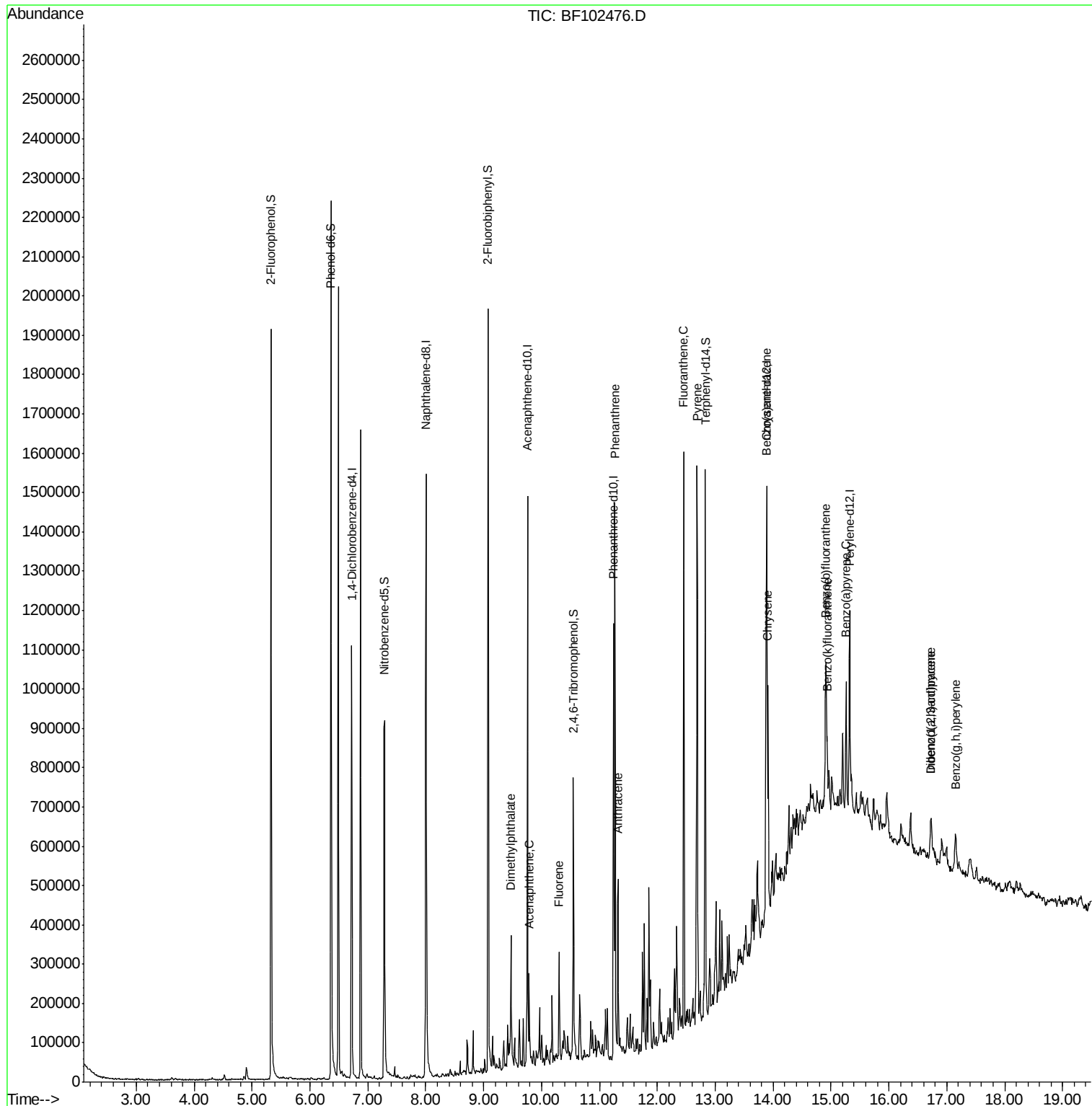
Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
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ALS Vial : 15 Sample Multiplier: 1

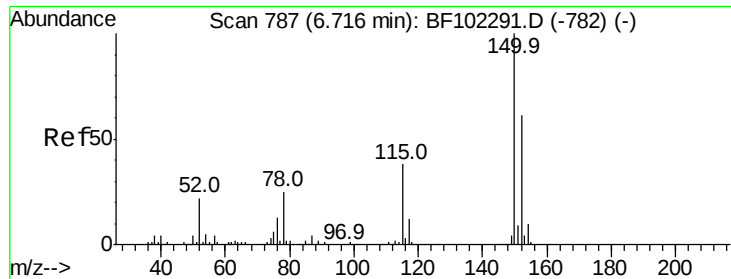
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
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#1

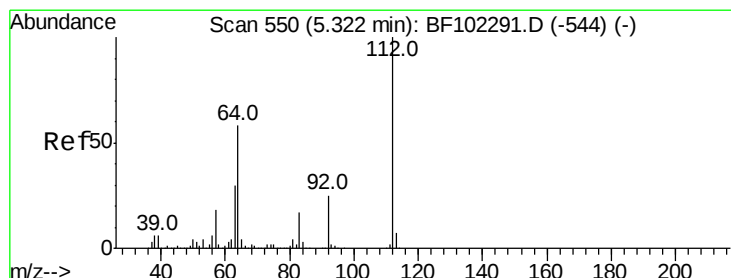
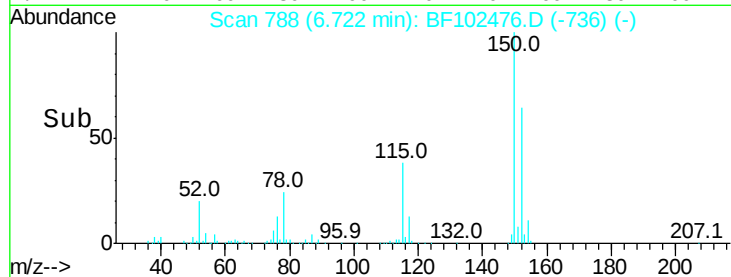
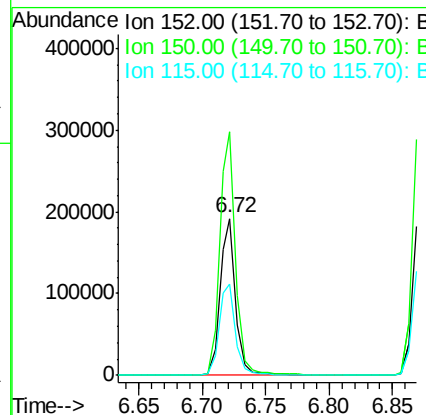
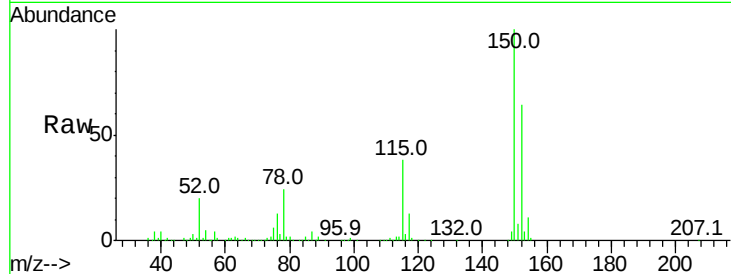
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	58.2	50.1	75.1

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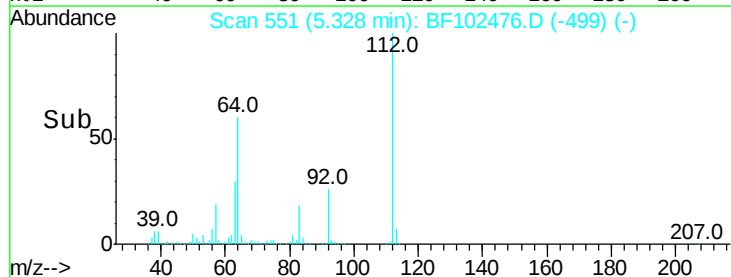
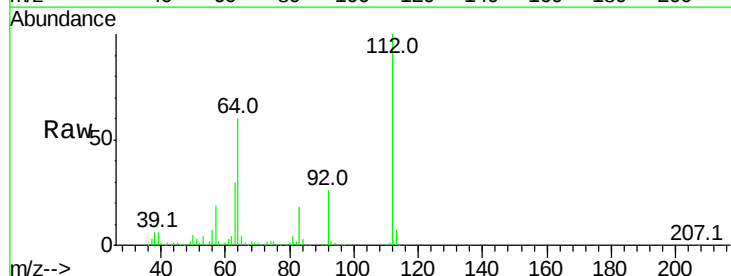
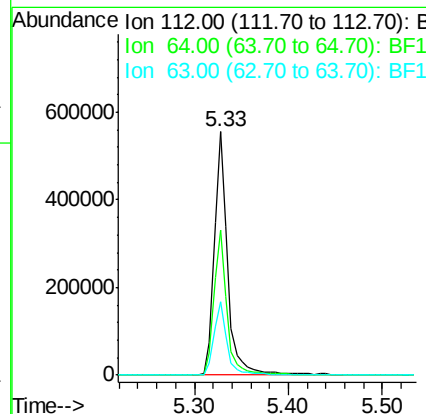
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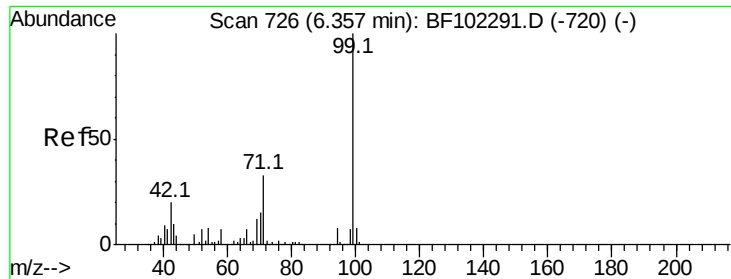


#5

2-Fluorophenol
Concen: 51.347 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 51.001 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

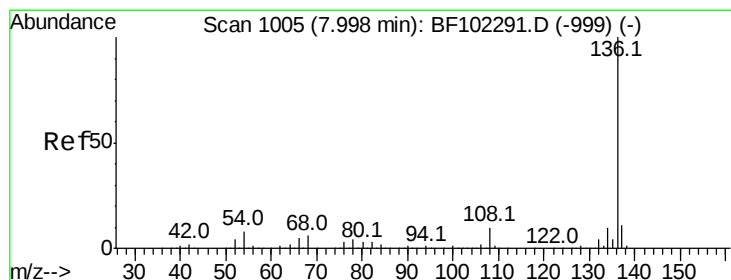
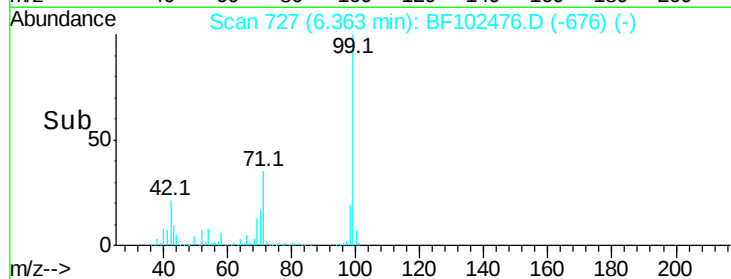
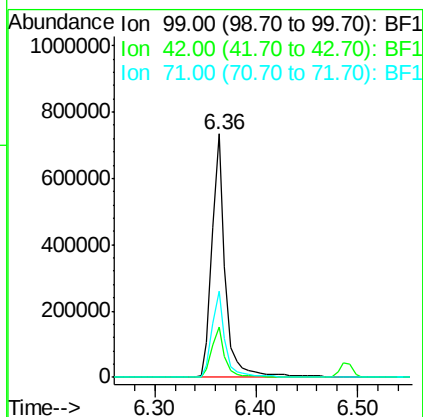
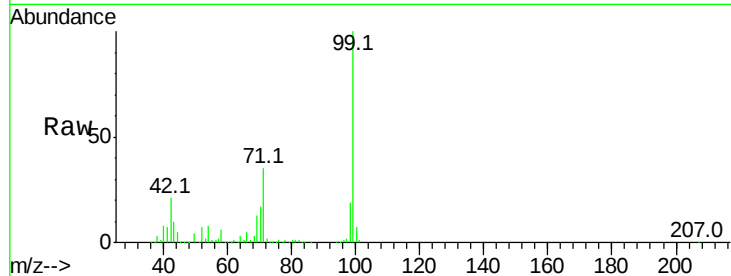
ClientSampleId :

PL-01-012418-B

Tot Ion:	99	Resp:	675155
Ion Ratio	Lower	Upper	
99	100		
42	20.5	14.5	21.7
71	35.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

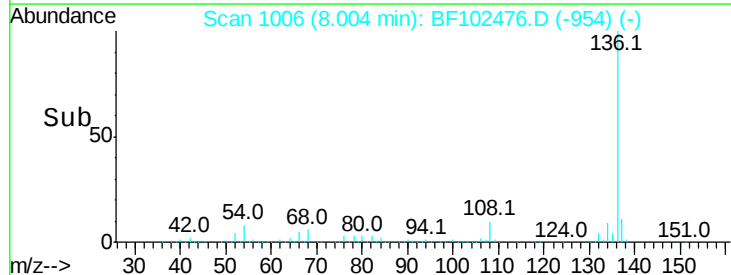
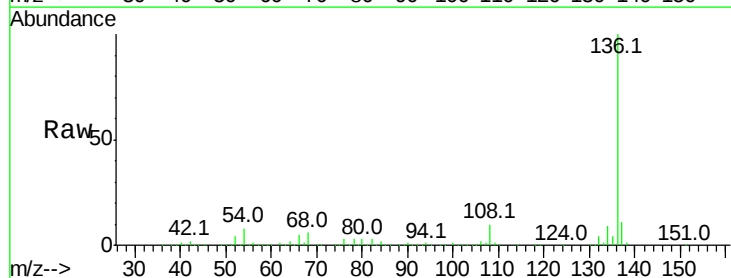
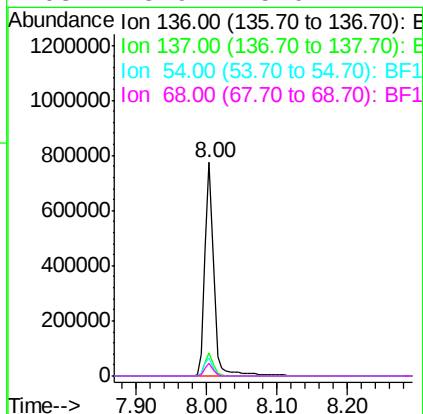
RT: 8.00 min Scan# 1006

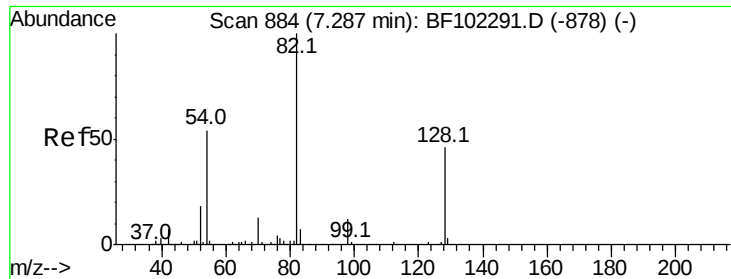
Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Tgt Ion:	136	Resp:	680545
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.3	6.6	9.8
68	5.9	5.0	7.4





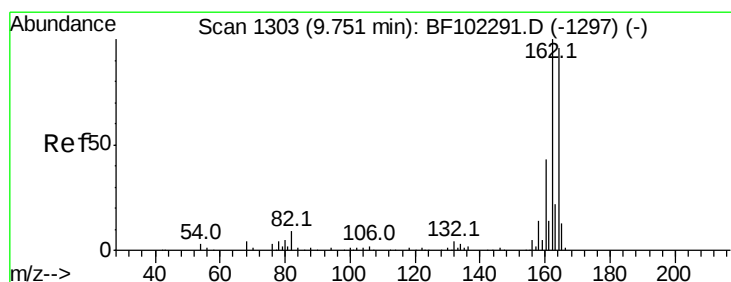
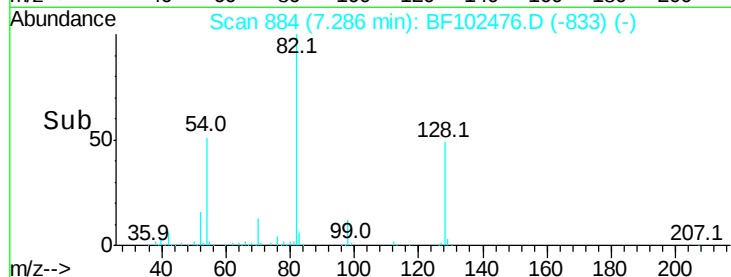
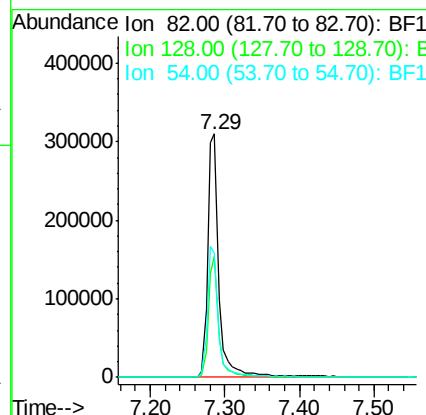
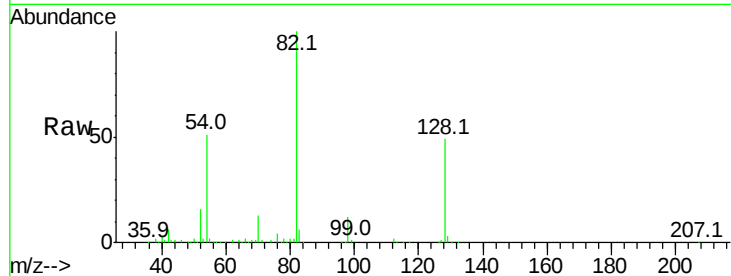
#23
Nitrobenzene-d5
Concen: 28.183 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	36.1	54.1
54	51.3	41.4	62.2

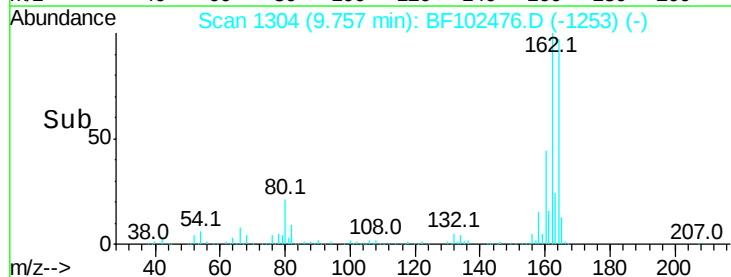
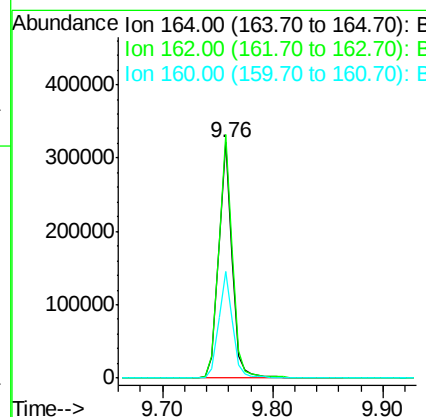
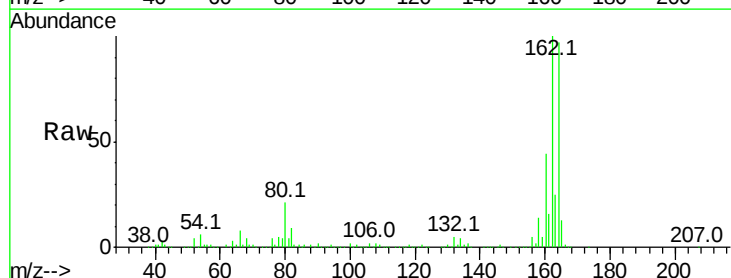
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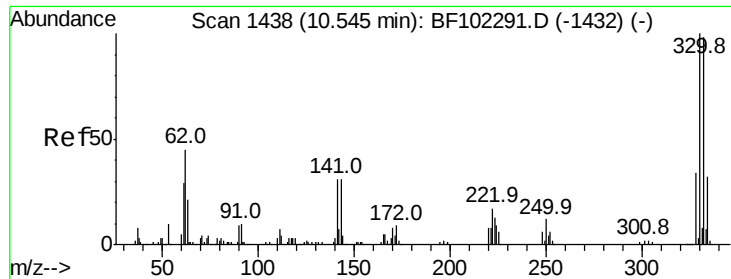
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	45.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 30.942 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

ClientSampleId :

PL-01-012418-B

Tot Ion:330 Resp: 82448

Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

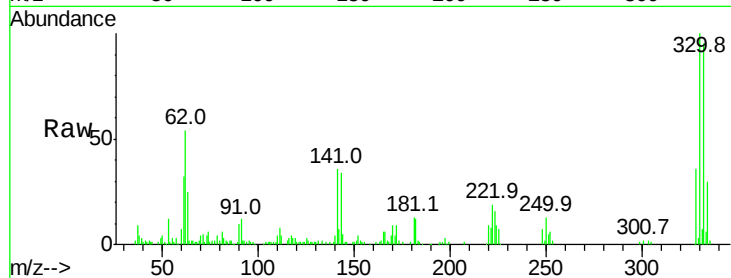
141 42.0 29.9 44.9

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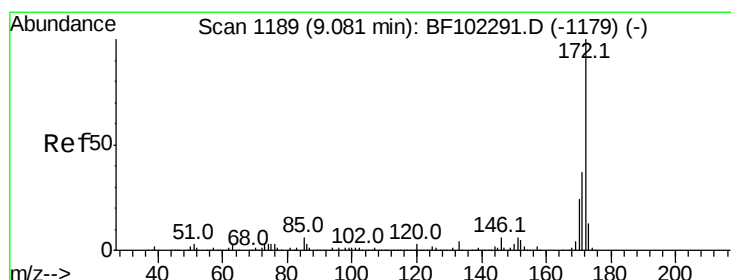
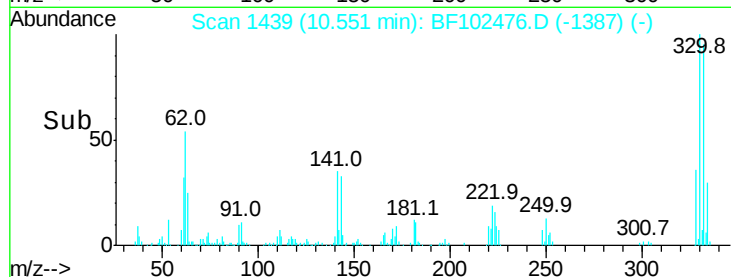
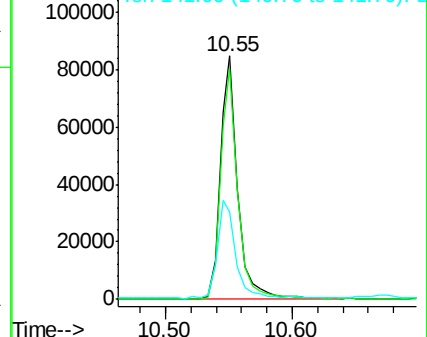
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 35.856 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

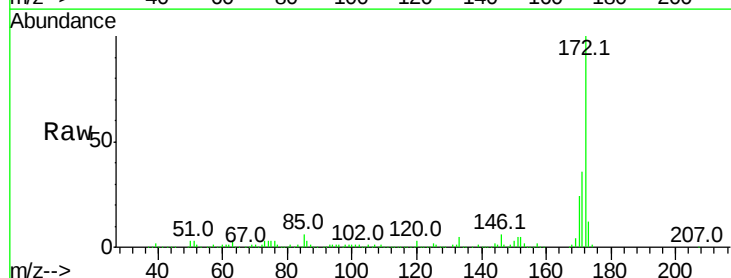
Tgt Ion:172 Resp: 655797

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

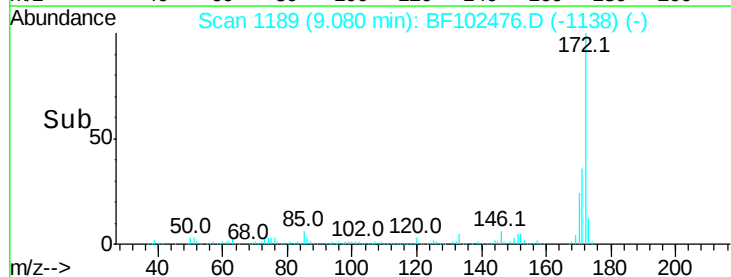
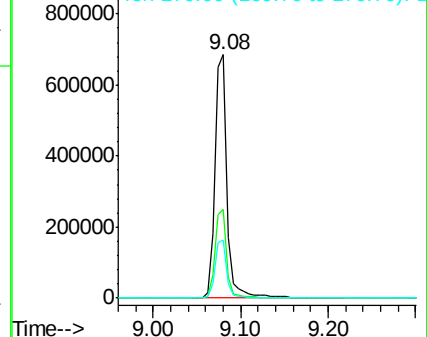
170 23.9 19.6 29.4

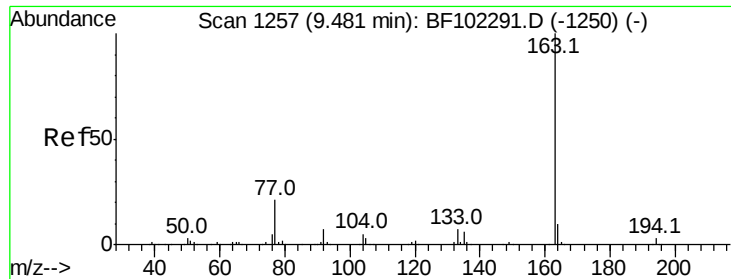


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





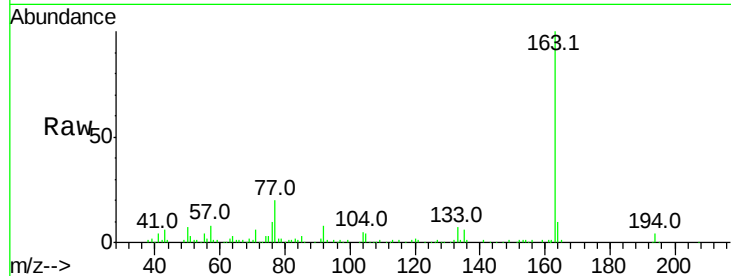
#49
Dimethylphthalate
Concen: 5.770 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

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

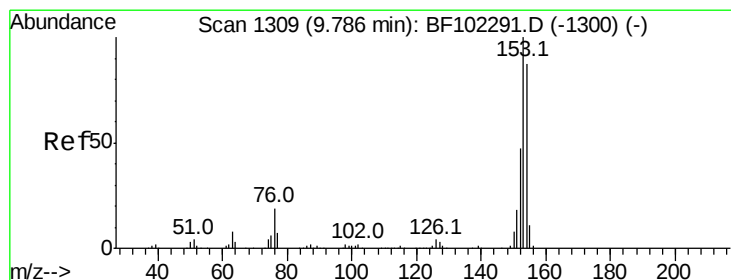
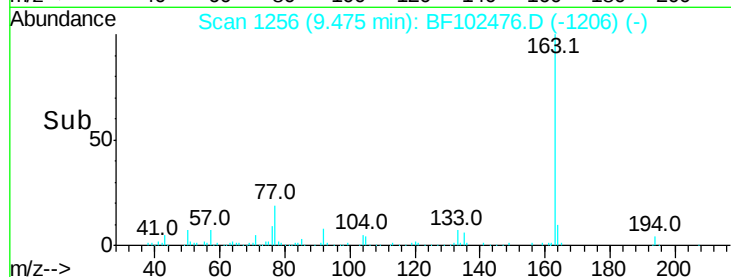
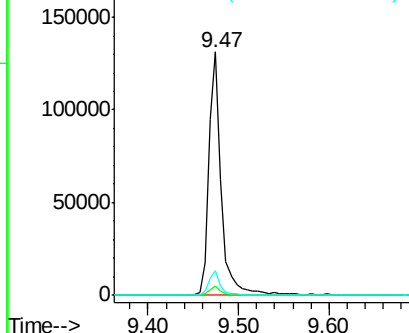
Tot Ion	Ratio	Resp	Lower	Upper
163	100	128264		
194	3.7		2.7	4.1
164	9.9		8.2	12.2

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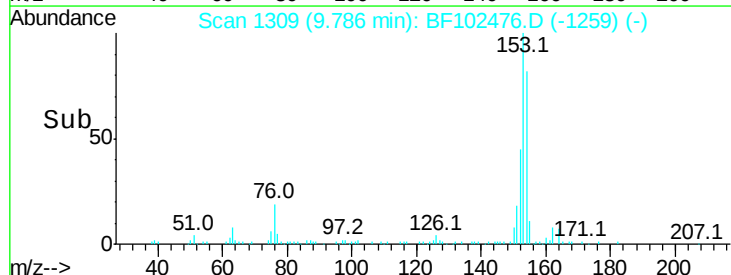
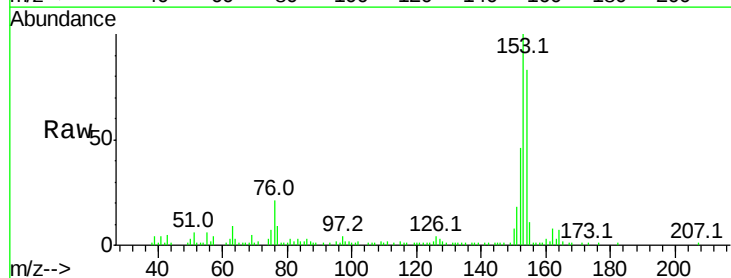
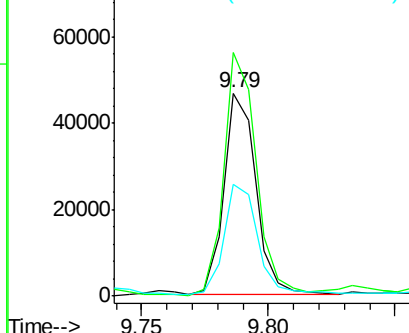
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

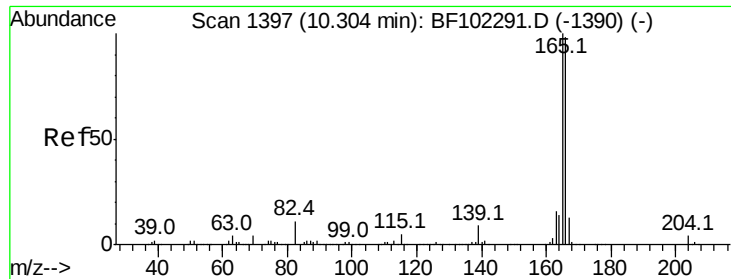


#51
Acenaphthene
Concen: 2.424 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	41220		
153	119.9		91.2	136.8
152	55.0		43.8	65.8

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





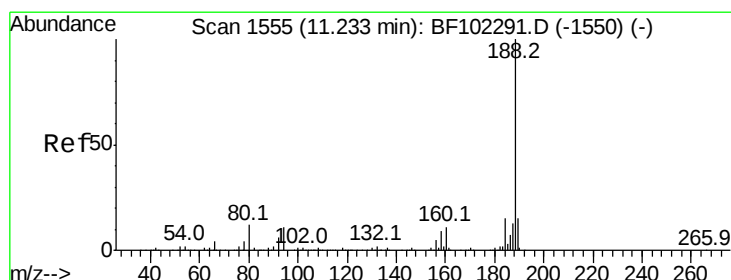
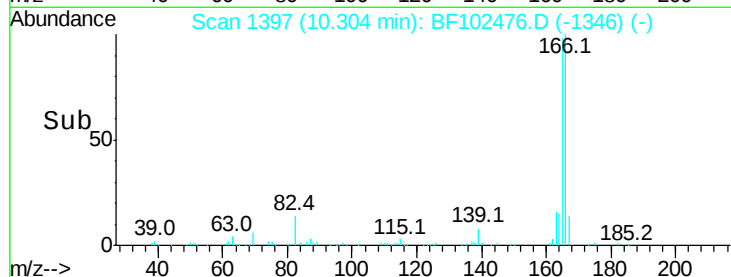
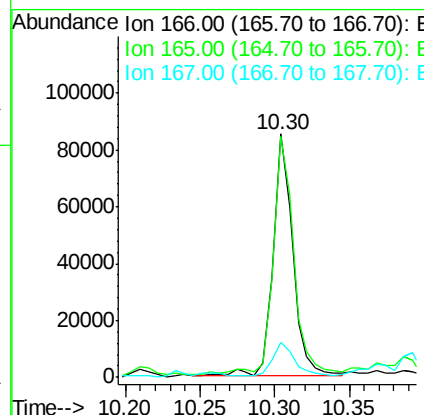
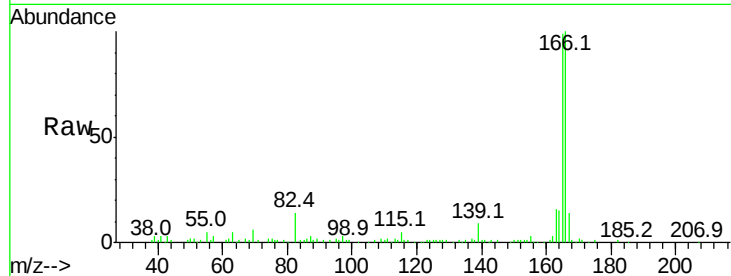
#57
Fluorene
 Concen: 4.296 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF102476.D
 Acq: 26 Jan 2018 18:42

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.8	119.8
167	14.3	10.6	16.0

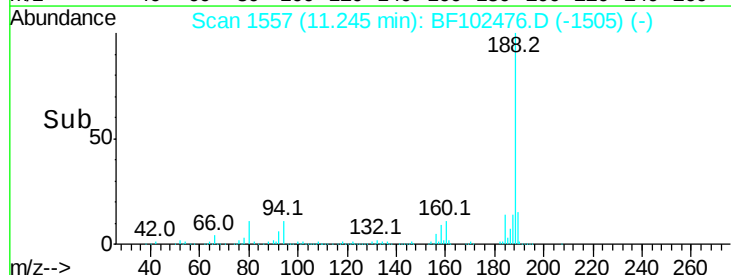
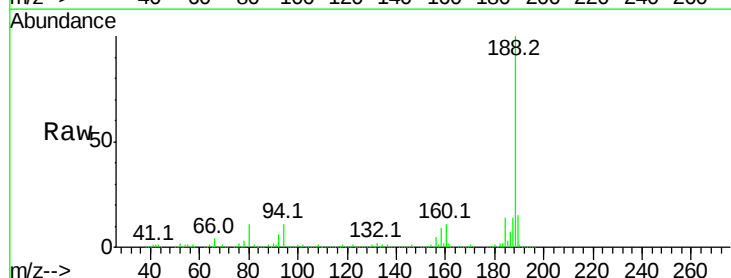
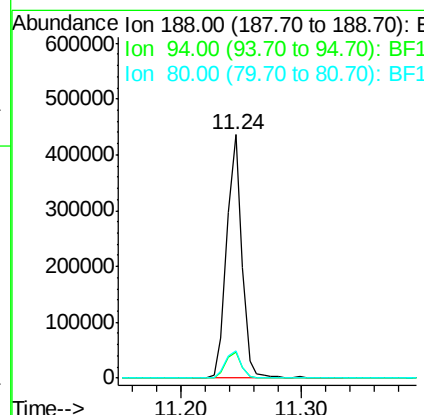
Manual Integrations
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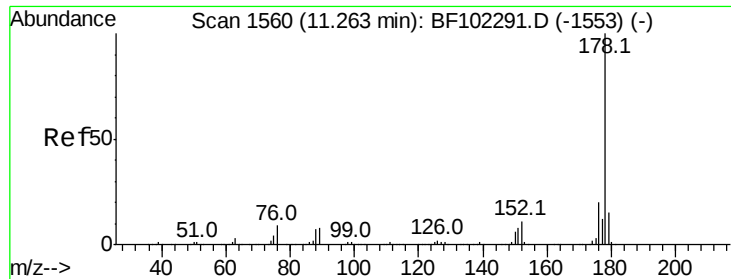
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF102476.D
 Acq: 26 Jan 2018 18:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.2	9.2	13.8





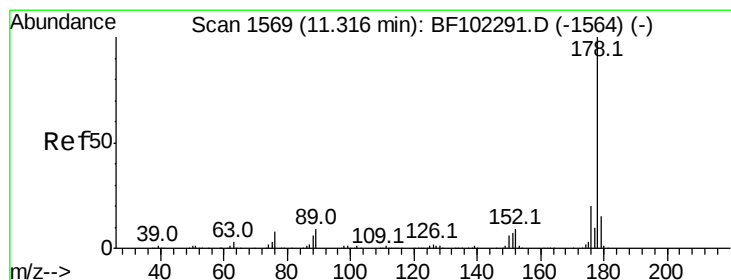
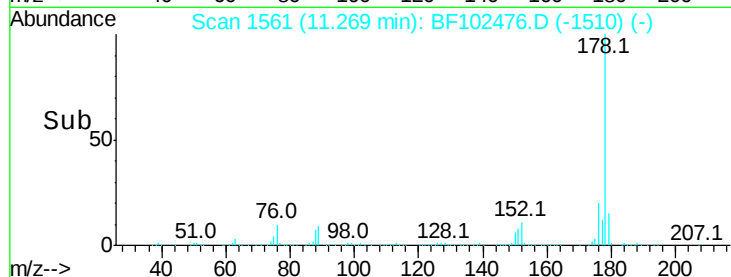
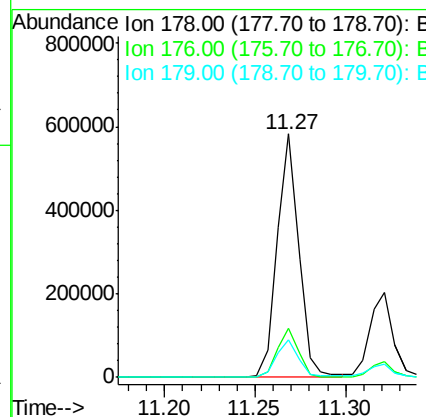
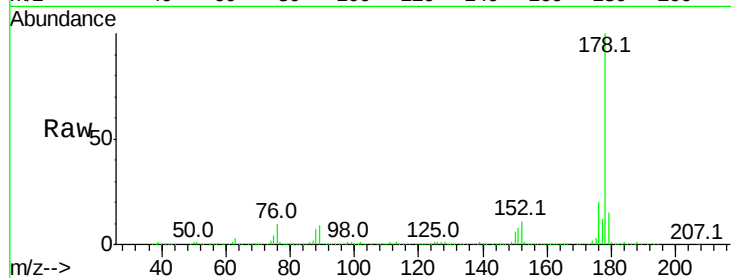
#70
Phenanthrene
Concen: 22.036 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.2	13.0	19.6

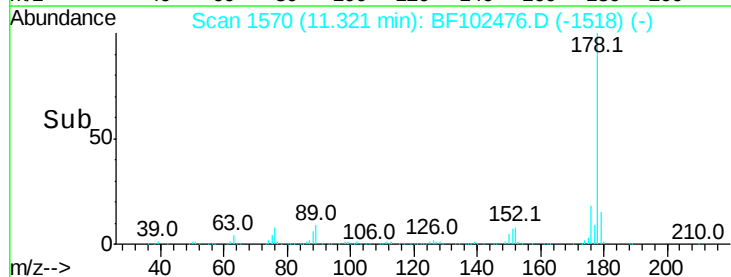
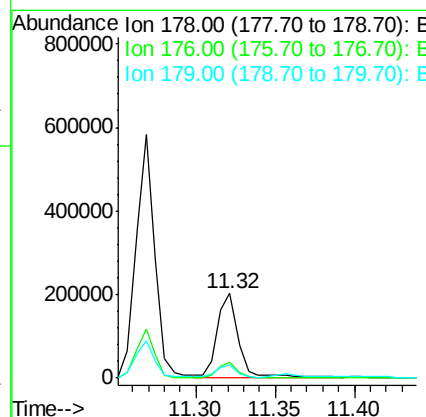
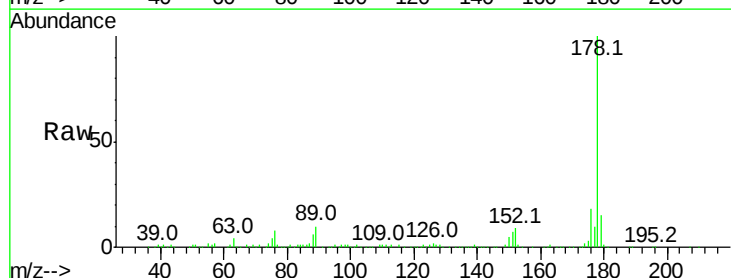
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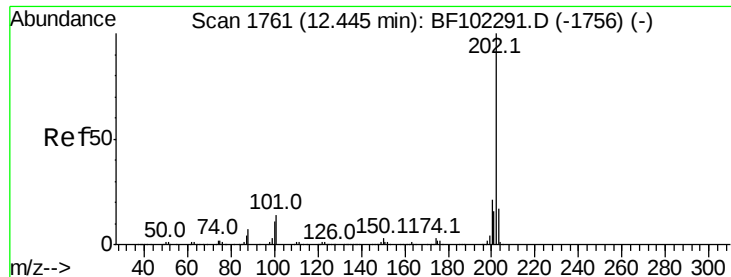
Sohil
1/27/2018 1:47:08 PM



#71
Anthracene
Concen: 8.312 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 25.452 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

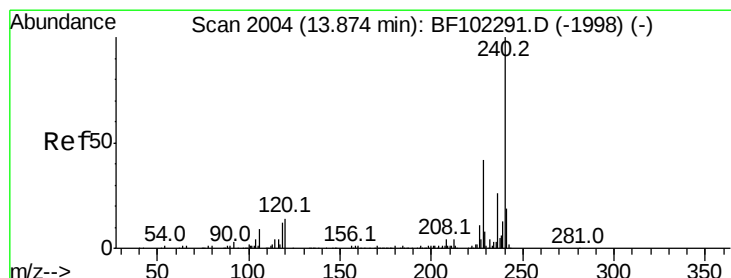
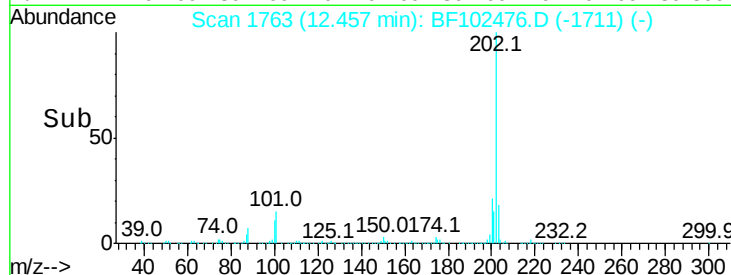
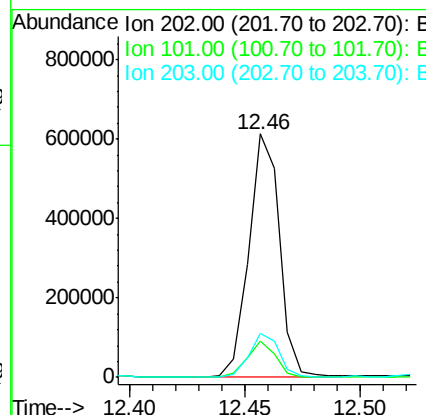
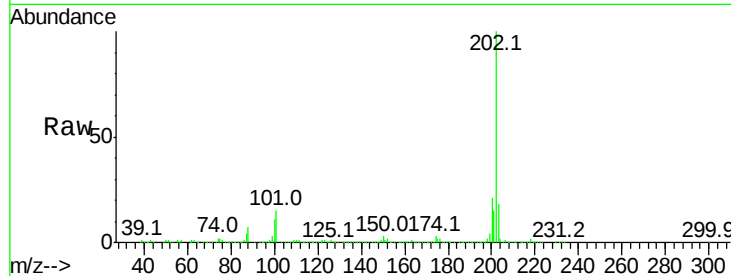
ClientSampleId :

PL-01-012418-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.6	0.0	34.1
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

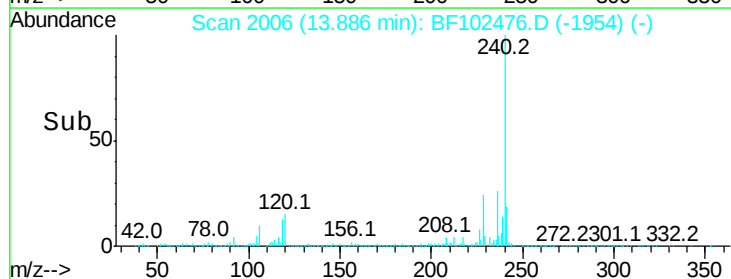
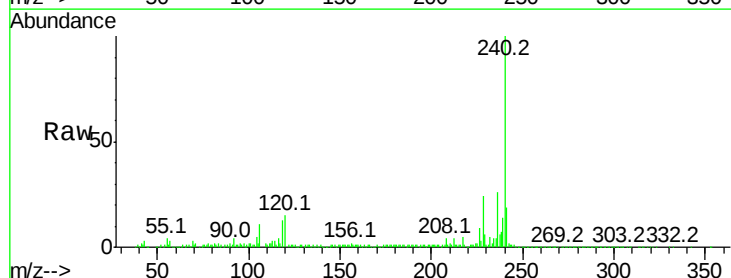
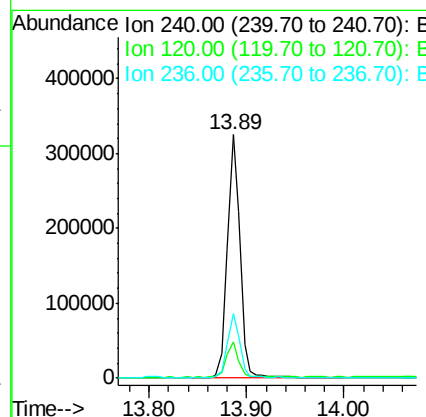
RT: 13.89 min Scan# 2006

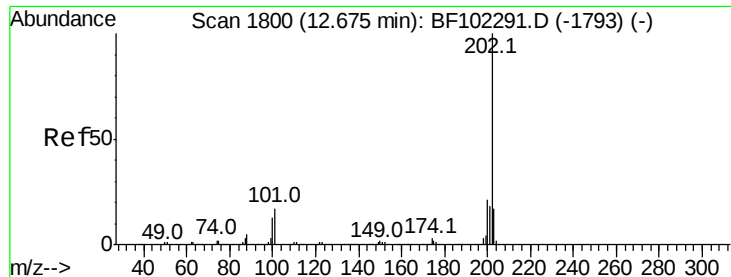
Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	26.3	20.7	31.1





#77

Pvrene

Concen: 25.197 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

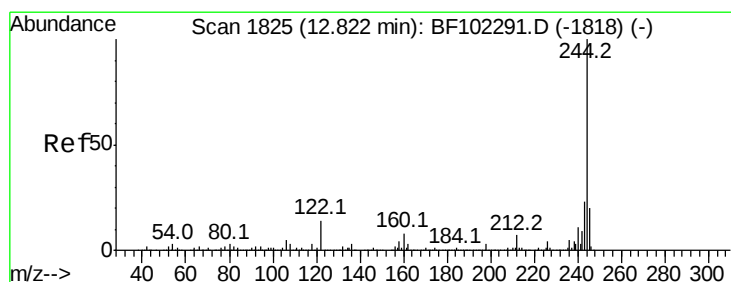
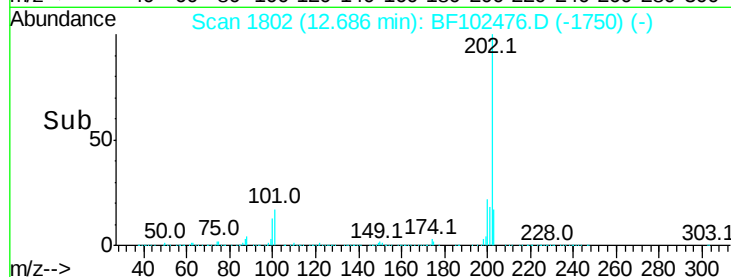
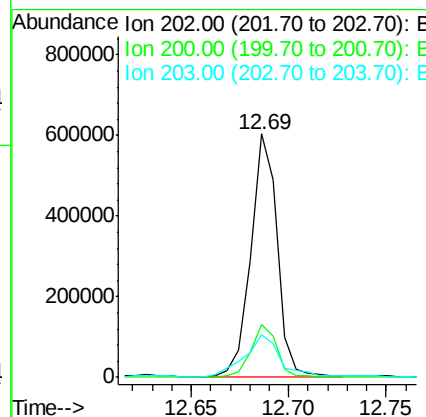
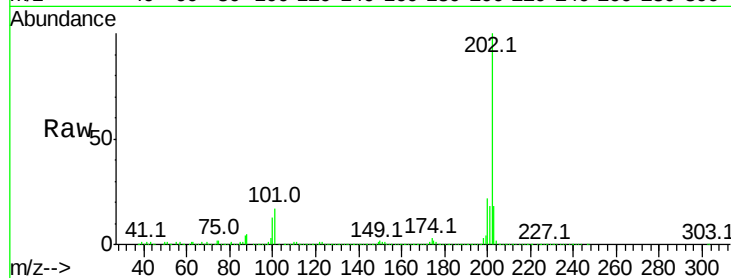
ClientSampleId :

PL-01-012418-B

Tot Ion:	202	Resp:	565980
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 34.753 ng

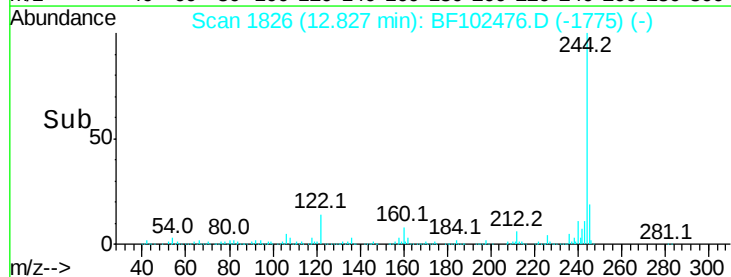
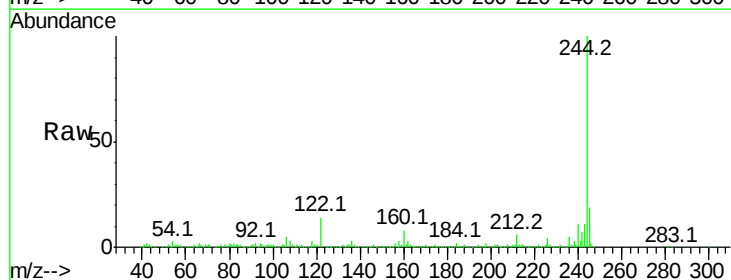
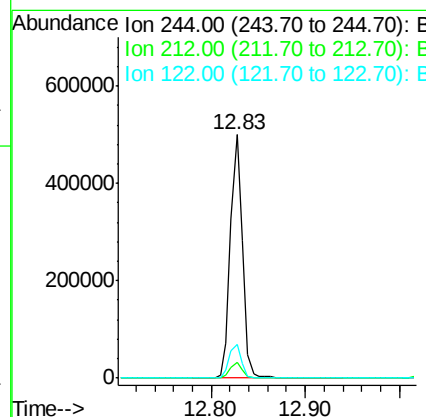
RT: 12.83 min Scan# 1826

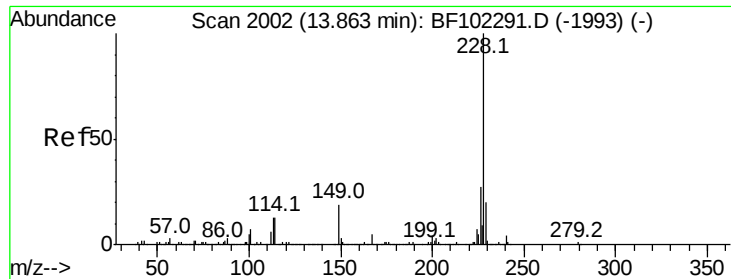
Delta R.T. -0.00 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Tgt Ion:	244	Resp:	447862
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	14.0	11.0	16.4





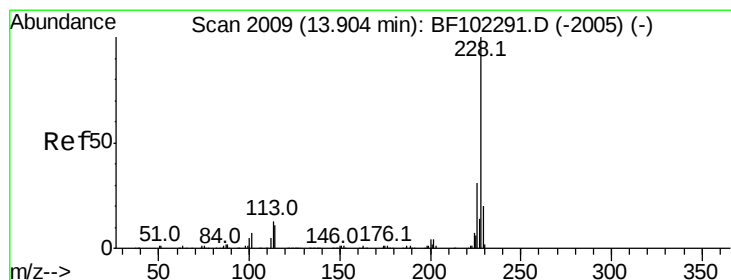
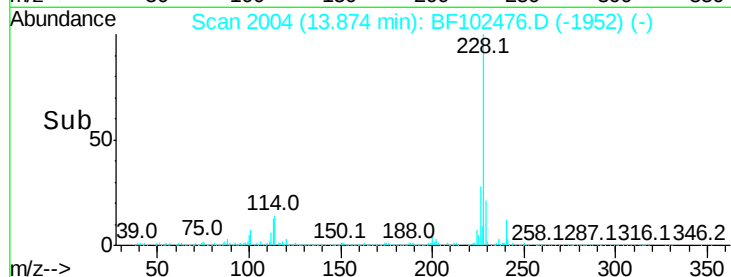
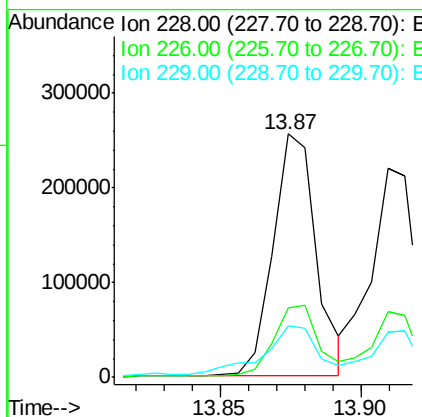
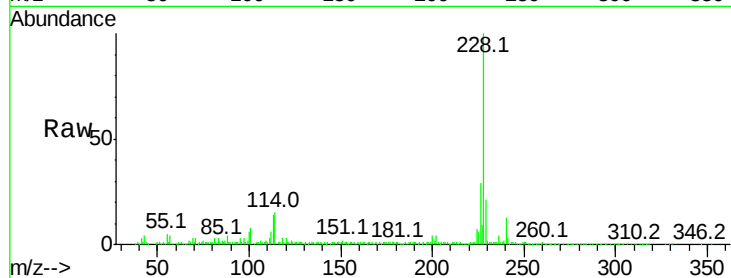
#80
Benzo(a)anthracene
Concen: 15.192 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.3	15.8	23.6

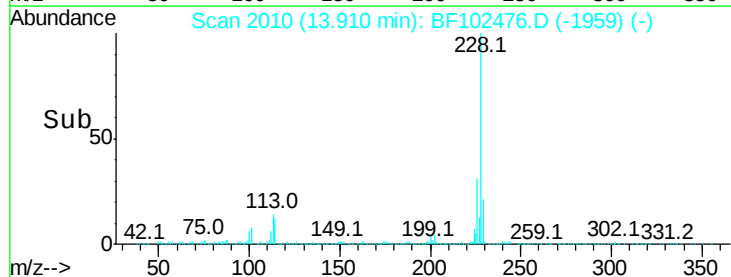
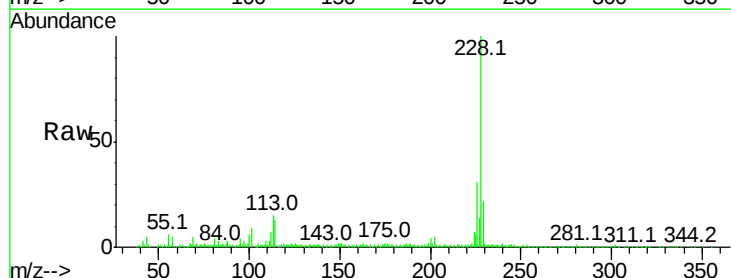
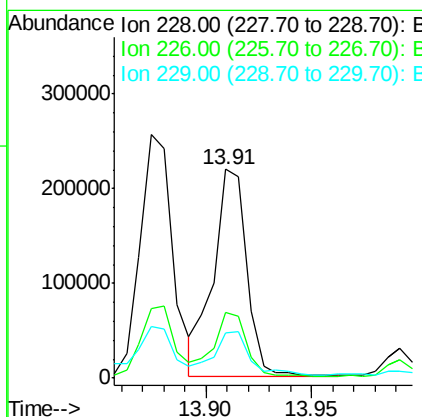
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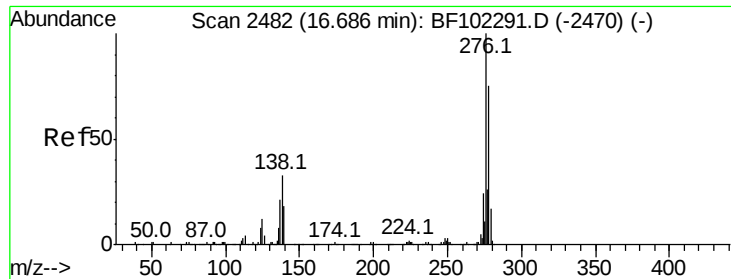
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#82
Chrysene
Concen: 13.348 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	21.5	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.426 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.02 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

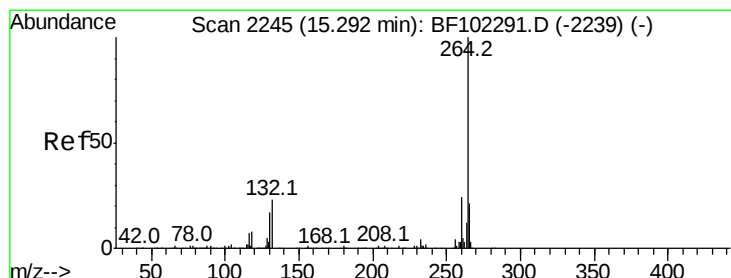
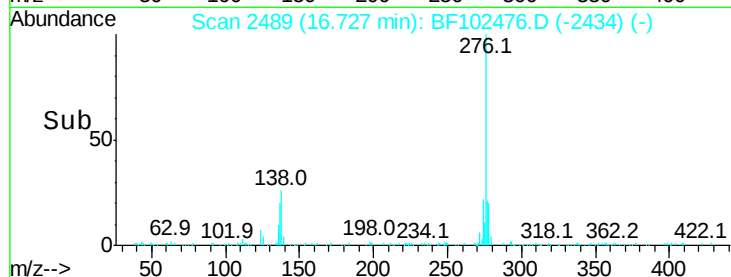
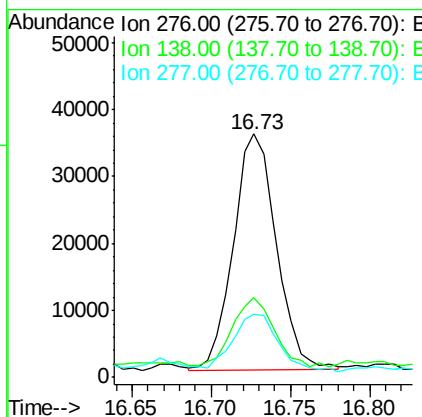
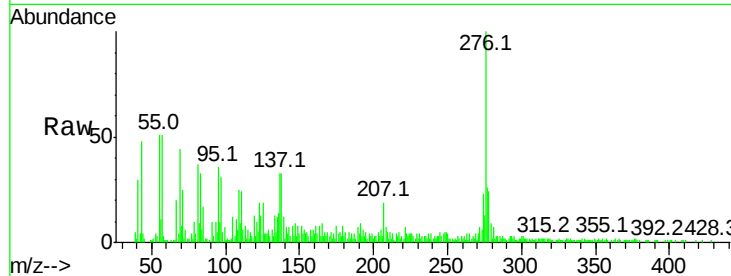
ClientSampleId :

PL-01-012418-B

Tot Ion:	276	Resp:	66399
Ion Ratio	Lower	Upper	
276	100		
138	27.5	25.0	37.6
277	25.5	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

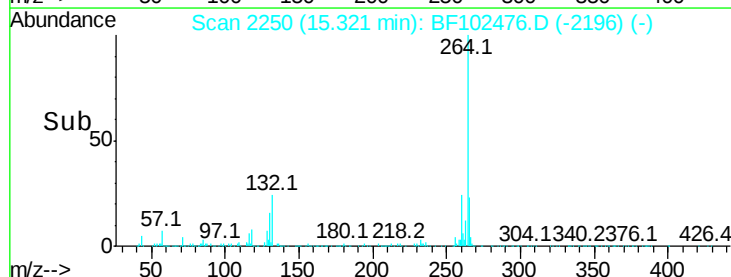
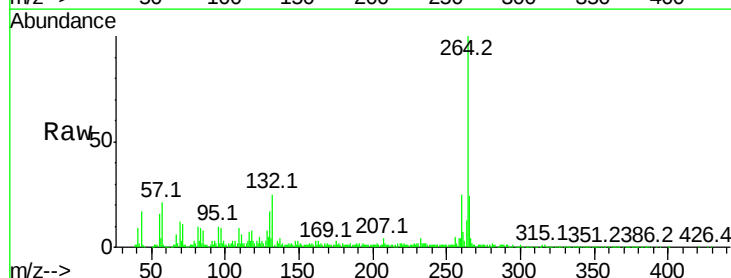
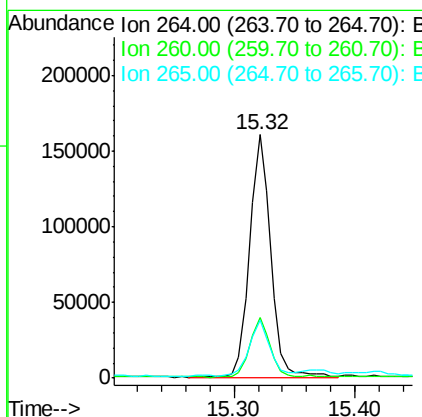
RT: 15.32 min Scan# 2250

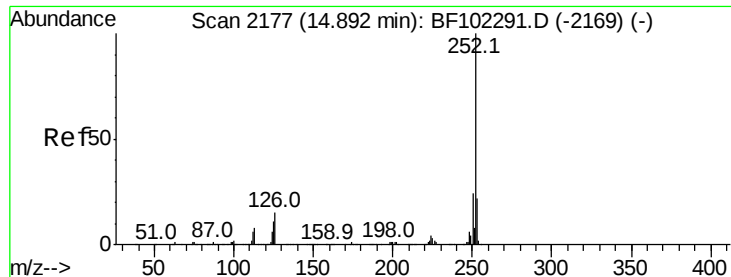
Delta R.T. 0.02 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Tgt Ion:	264	Resp:	196737
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	23.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.944 ng m

RT: 14.91 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Instrument :

BNA_F

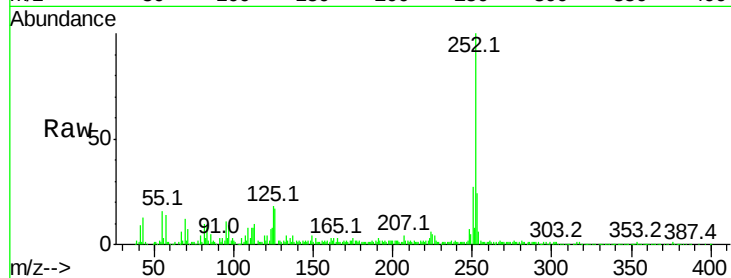
ClientSampleId :

PL-01-012418-B

Tot Ion:	252	Resp:	203308
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.0	25.6
125	18.0	9.0	13.6#

Manual Integrations
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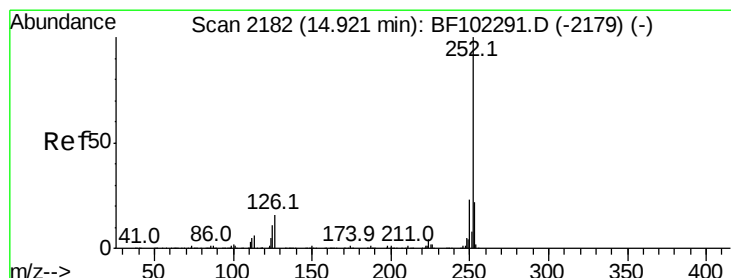
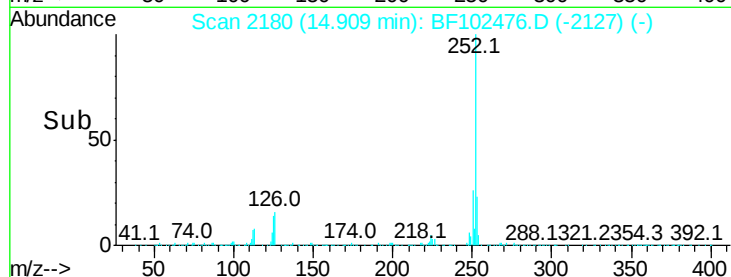
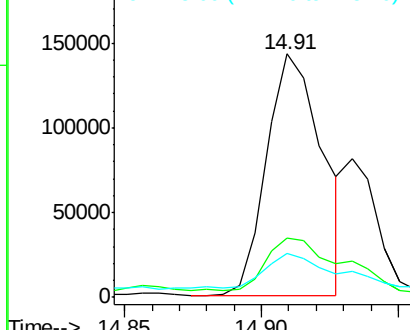


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 5.697 ng m

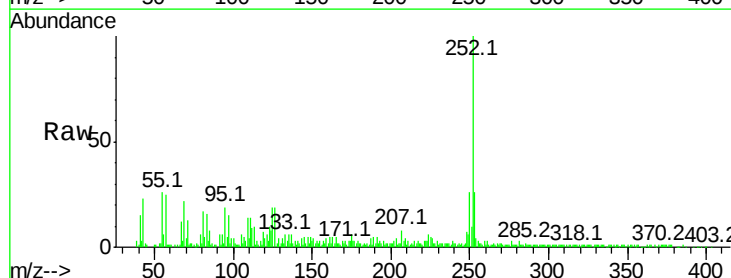
RT: 14.93 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BF102476.D

Acq: 26 Jan 2018 18:42

Tgt Ion:	252	Resp:	68638
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.9	26.9
125	19.2	10.2	15.2#

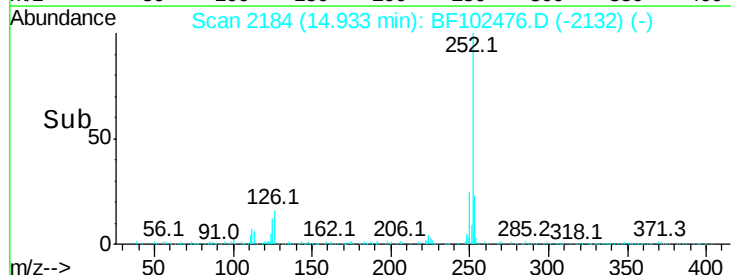
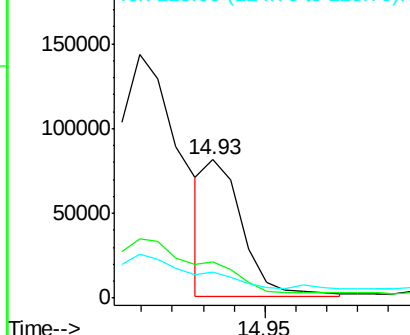


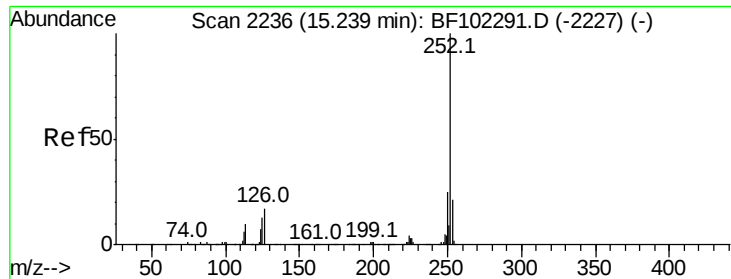
Abundance

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





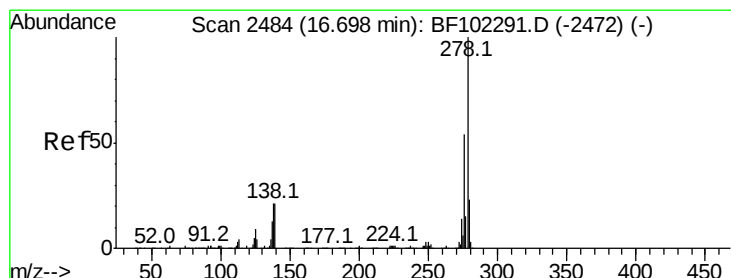
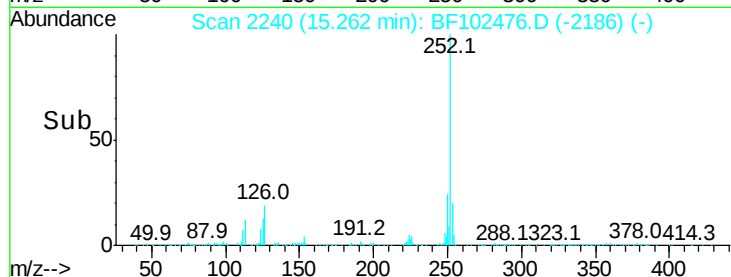
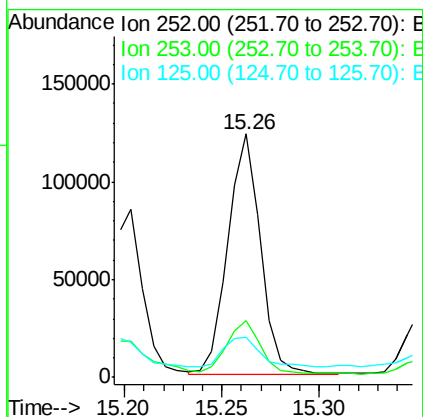
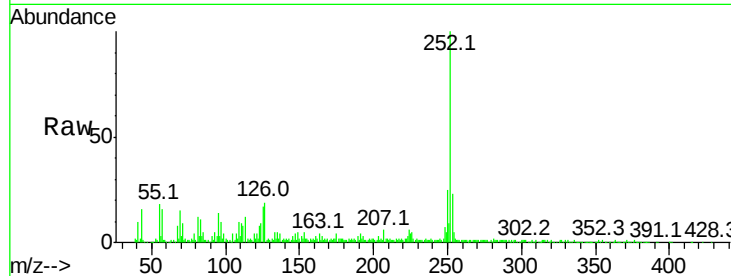
#89
Benzo(a)pyrene
Concen: 12.538 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.02 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	16.6	9.8	14.6

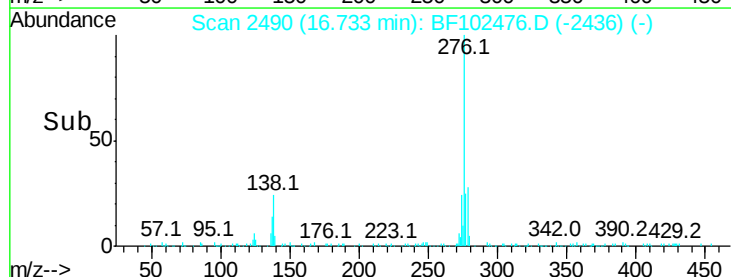
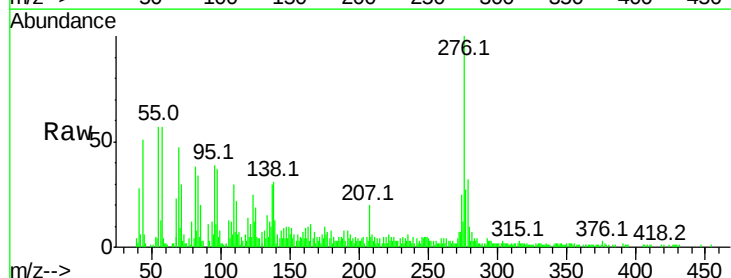
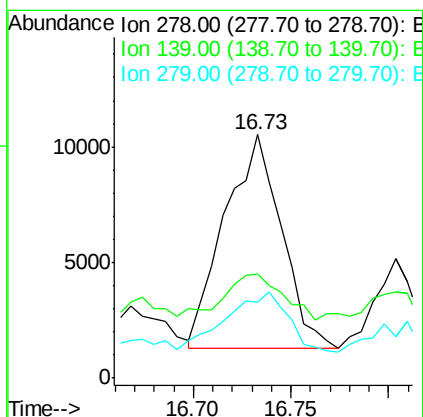
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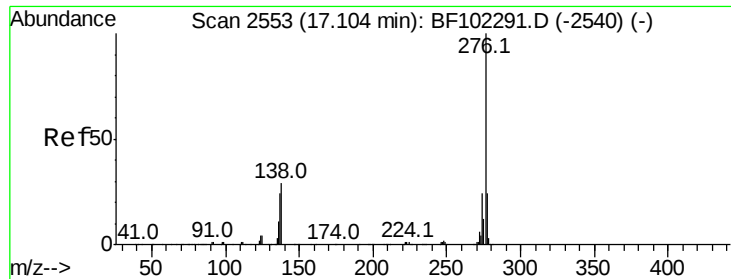
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.001 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF102476.D
Acq: 26 Jan 2018 18:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.7	15.9	23.9
279	31.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.459 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. 0.03 min
 Lab File: BF102476.D
 Acq: 26 Jan 2018 18:42

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	30.8	21.8	32.8

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