

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102473.D
 Acq On : 26 Jan 2018 17:21
 Operator : SJ/JU
 Sample : J1020-15 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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 1/27/2018 1:46:58 PM

Quant Time: Jan 26 18:36:37 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	155952	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	645911	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	275965	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	412510	20.00	ng	0.00
75) Chrysene-d12	13.89	240	300420	20.00	ng	0.00
86) Perylene-d12	15.32	264	228974	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	247690	24.08	ng	0.00
7) Phenol-d6	6.36	99	306878	24.75	ng	0.00
23) Nitrobenzene-d5	7.28	82	135527	12.06	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	37889	13.86	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	311946	16.62	ng	0.00
78) Terphenyl-d14	12.83	244	212242	15.93	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.47	163	54376	2.384	ng	99
70) Phenanthrene	11.27	178	114775	4.775	ng	98
74) Fluoranthene	12.46	202	170049	6.937	ng	98
77) Pyrene	12.69	202	215701	9.286	ng	97
80) Benzo(a)anthracene	13.87	228	83520	4.516	ng	98
82) Chrysene	13.91	228	82980	4.418	ng	99
87) Benzo(b)fluoranthene	14.91	252	70672m	4.762	ng	
89) Benzo(a)pyrene	15.26	252	53190	3.974	ng	# 82
91) Benzo(g,h,i)perylene	17.16	276	28474	2.660	ng	# 87

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

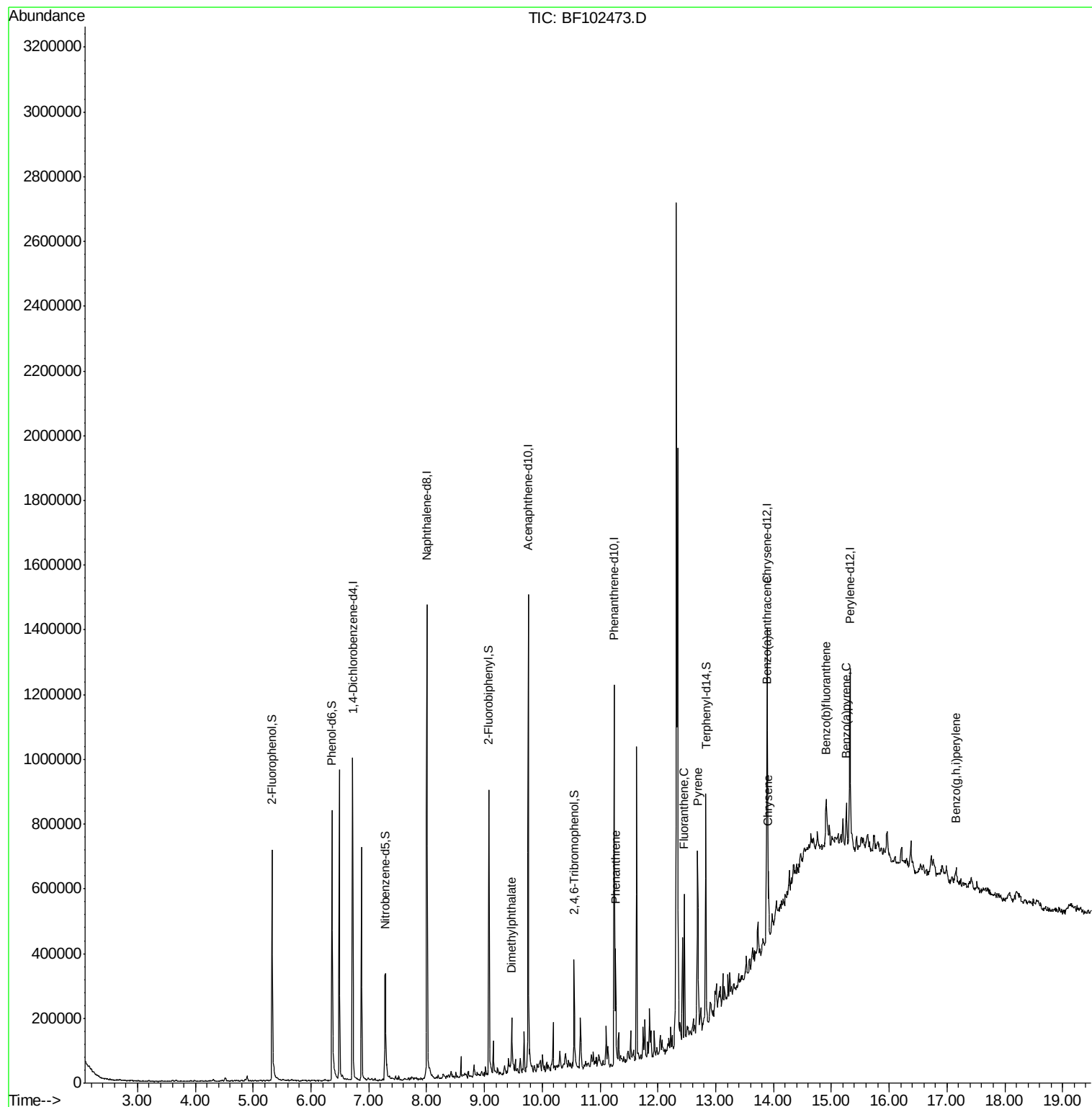
Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102473.D
Acq On : 26 Jan 2018 17:21
Operator : SJ/JU
Sample : J1020-15 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

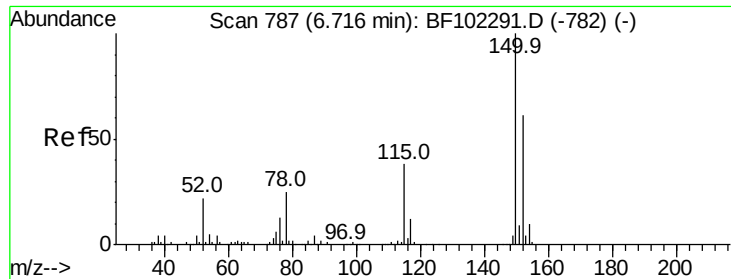
Instrument :
BNA_F
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PL-02-012418-D

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#1

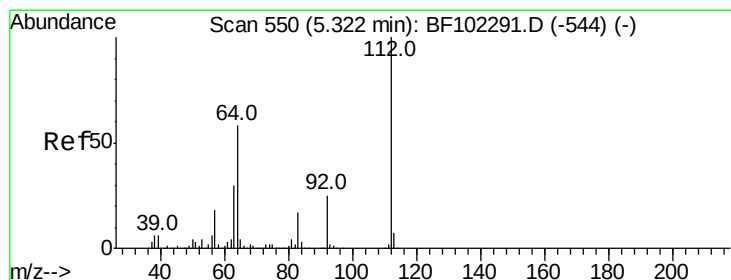
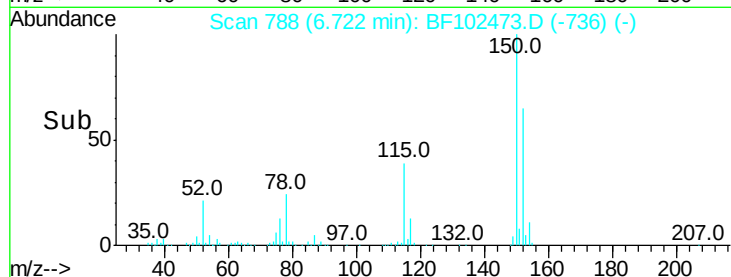
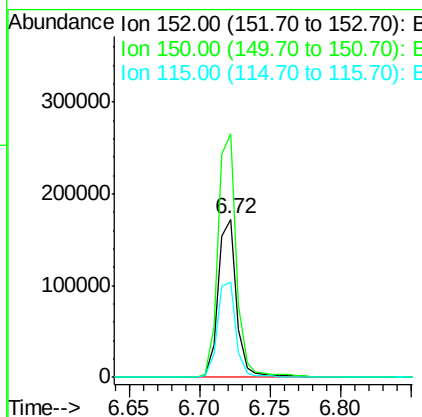
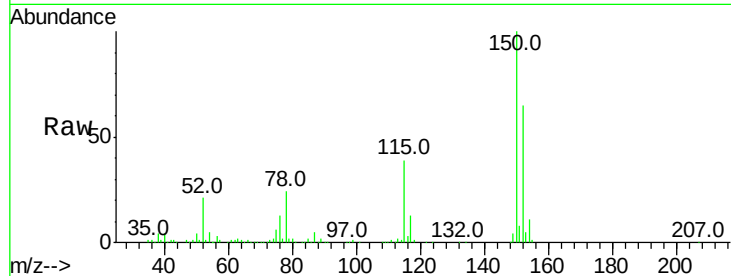
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	59.8	50.1	75.1

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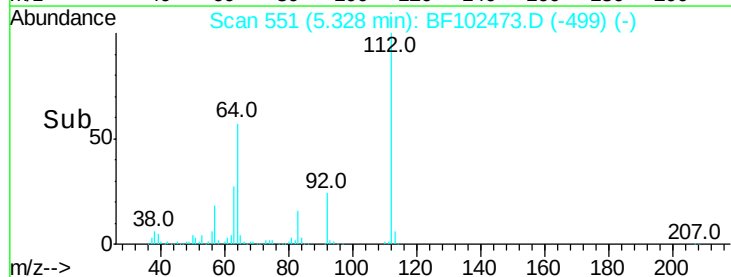
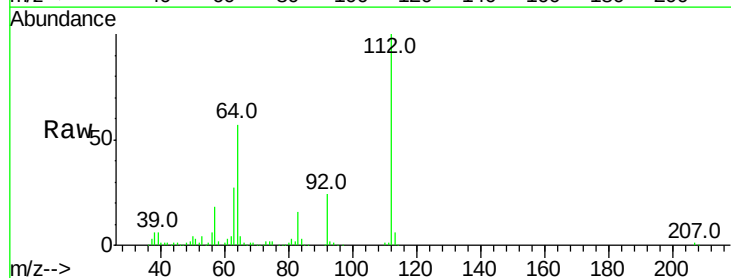
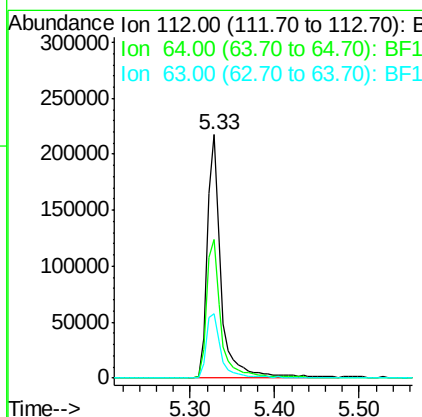
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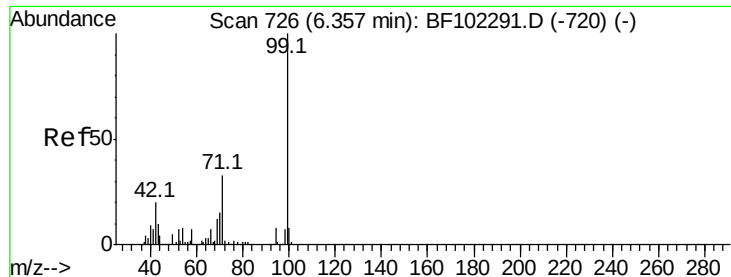


#5

2-Fluorophenol
Concen: 24.082 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	26.7	23.7	35.5





#7

Phenol-d6

Concen: 24.748 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

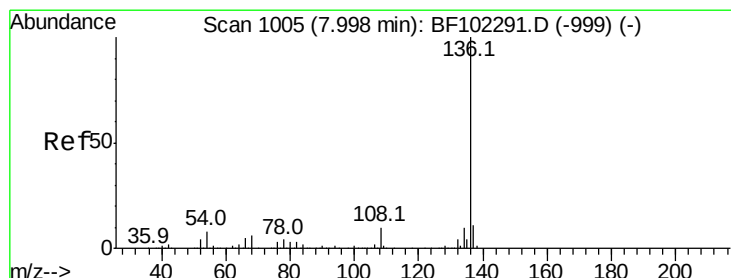
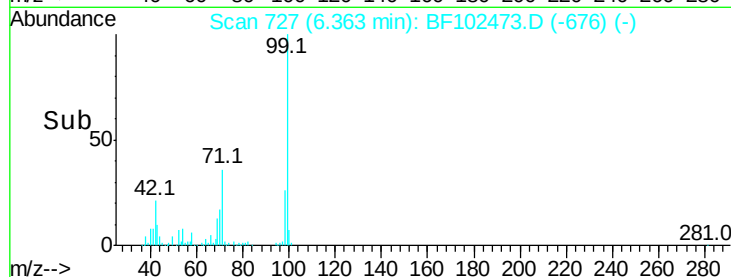
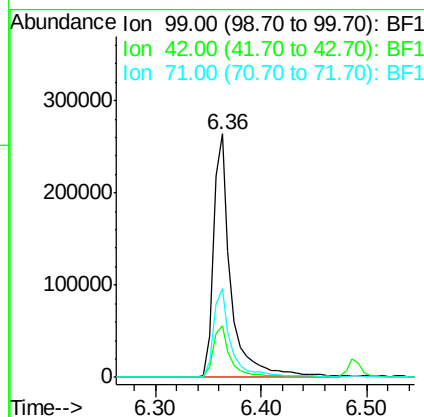
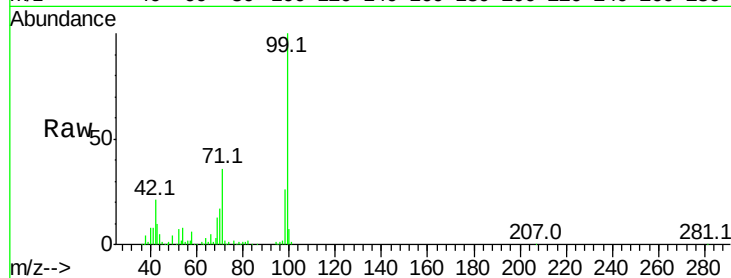
ClientSampleId :

PL-02-012418-D

Tot Ion	99	Resp	306878
Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.5	21.7
71	36.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

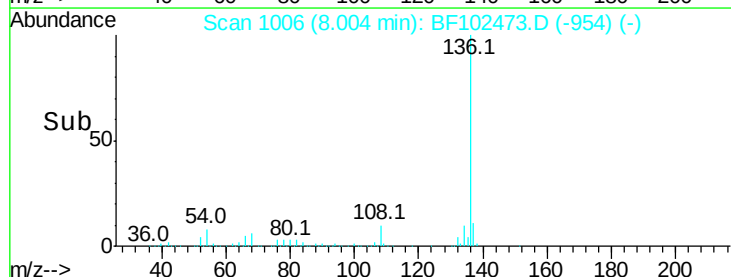
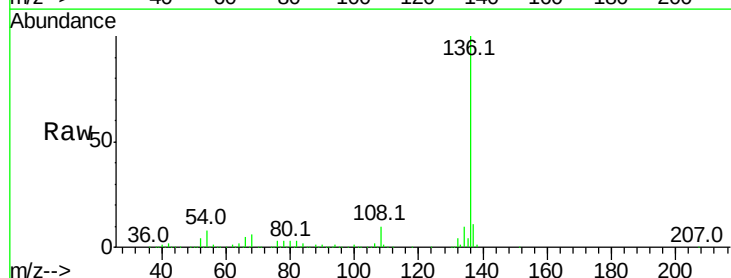
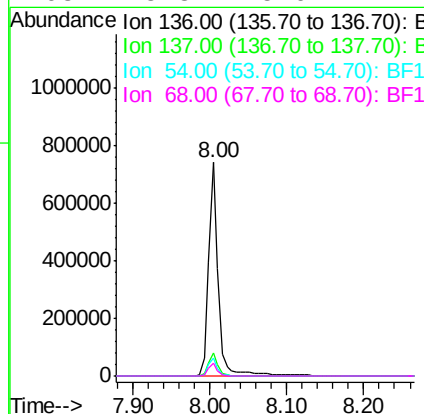
RT: 8.00 min Scan# 1006

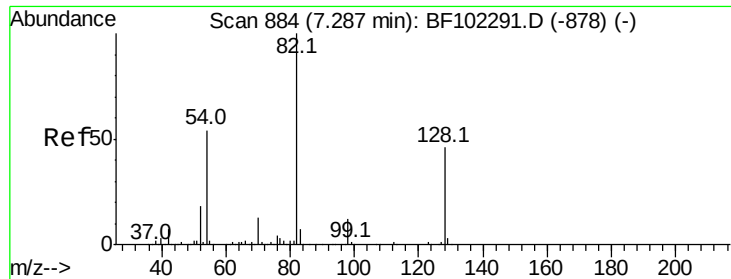
Delta R.T. 0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Tgt Ion	136	Resp	645911
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.3	6.6	9.8
68	5.8	5.0	7.4





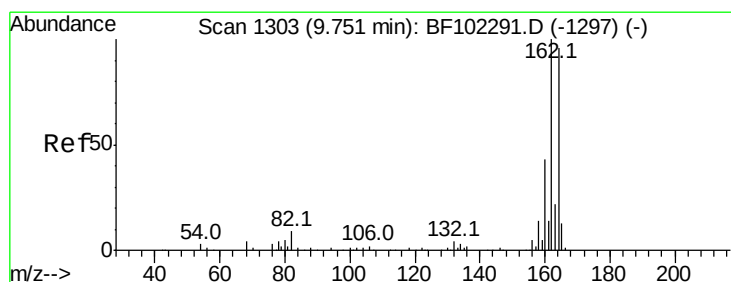
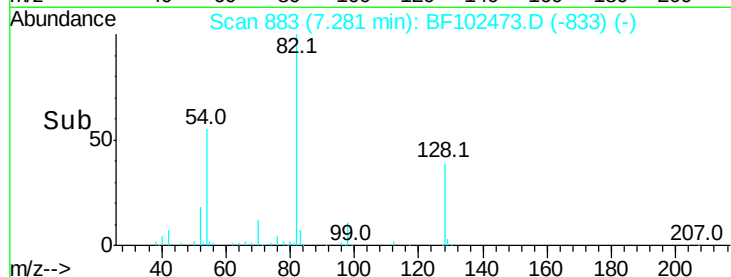
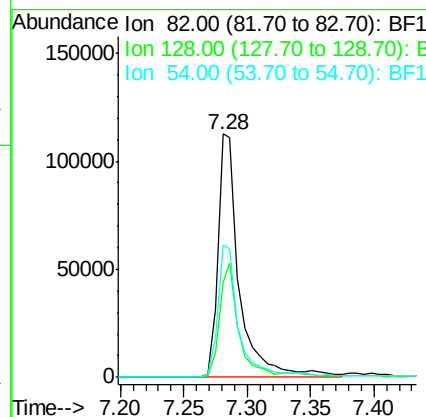
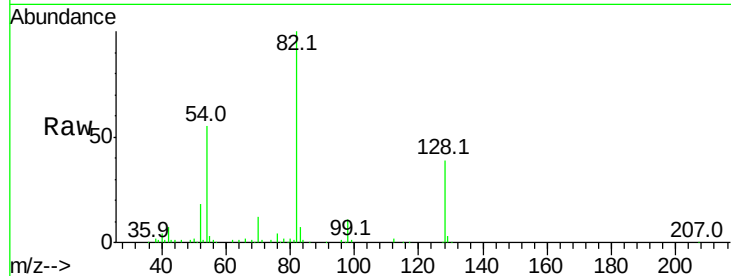
#23
 Nitrobenzene-d5
 Concen: 12.058 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102473.D
 Acq: 26 Jan 2018 17:21

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.3	36.1	54.1
54	54.5	41.4	62.2

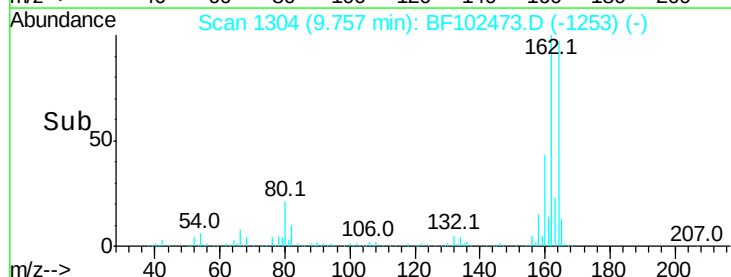
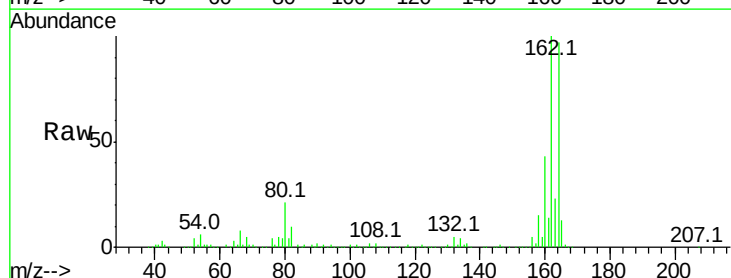
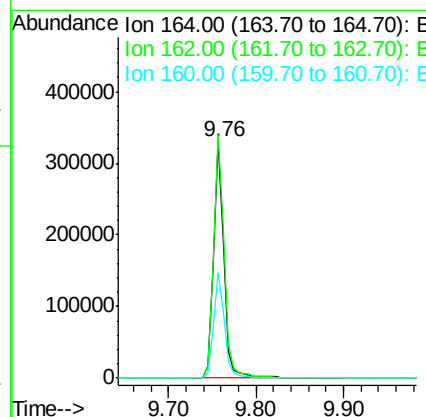
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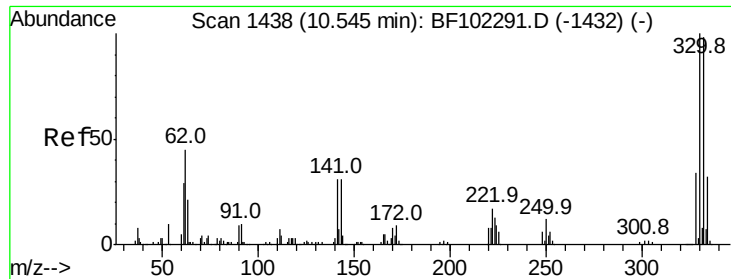
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF102473.D
 Acq: 26 Jan 2018 17:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	44.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 13.856 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

ClientSampleId :

PL-02-012418-D

Tot Ion:330 Resp: 37889

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

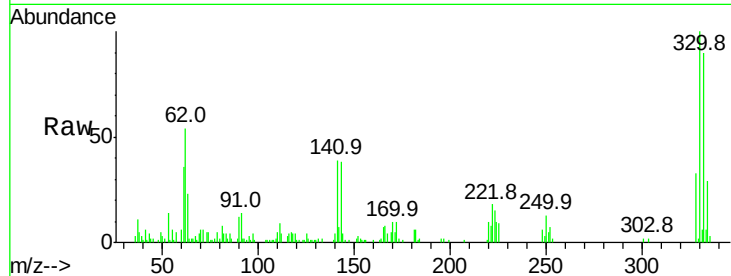
141 43.0 29.9 44.9

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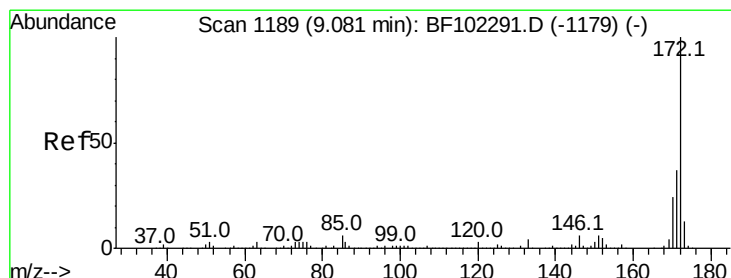
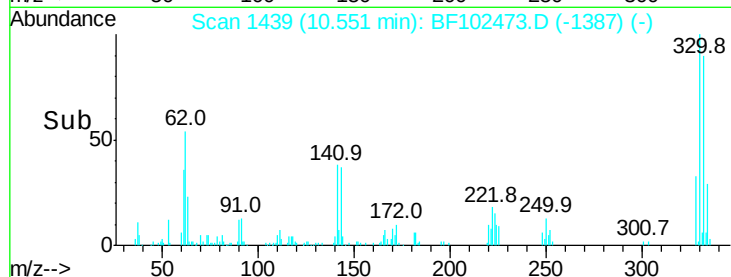
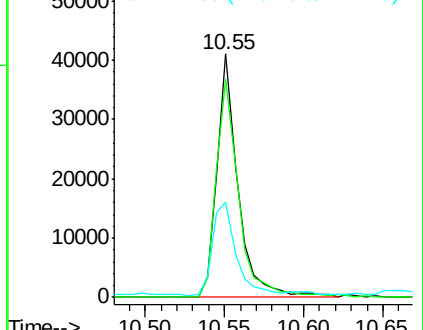
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 16.621 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

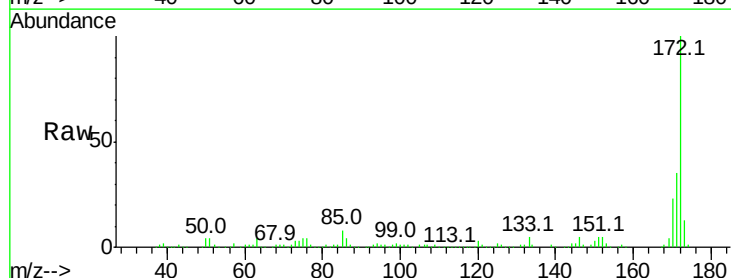
Tgt Ion:172 Resp: 311946

Ion Ratio Lower Upper

172 100

171 35.1 29.7 44.5

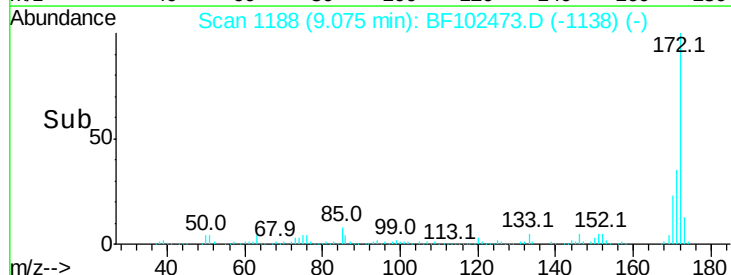
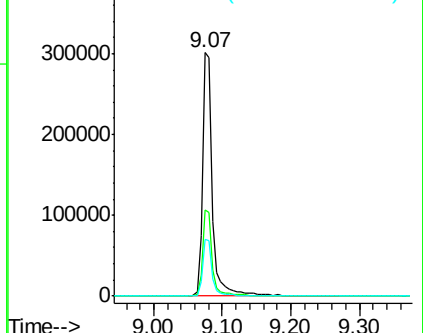
170 23.3 19.6 29.4

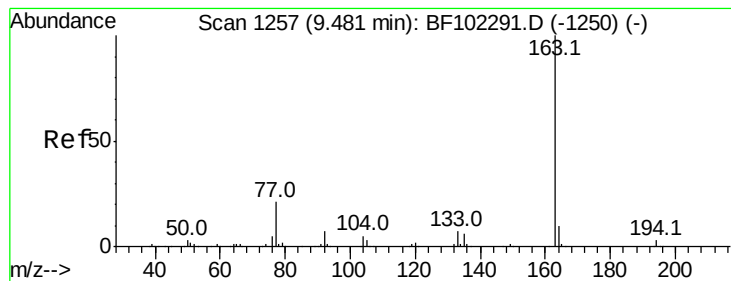


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.384 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

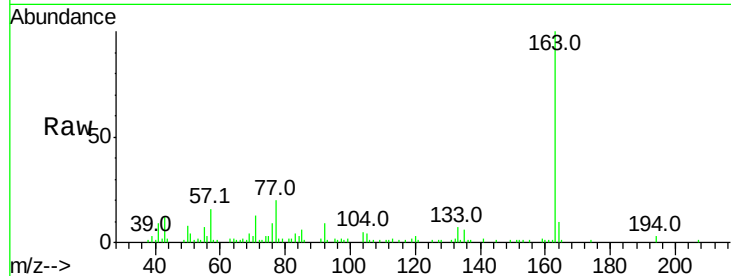
ClientSampled :

PL-02-012418-D

Tot Ion:	163	Resp:	54376
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	10.5	8.2	12.2

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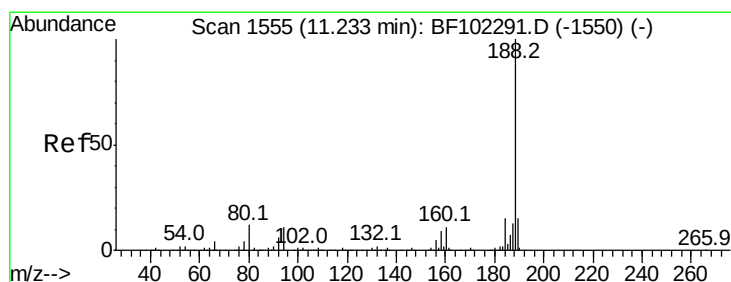
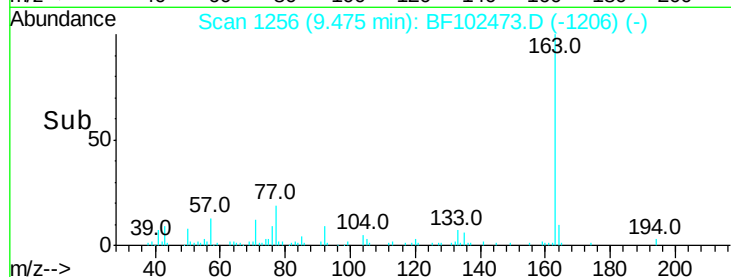
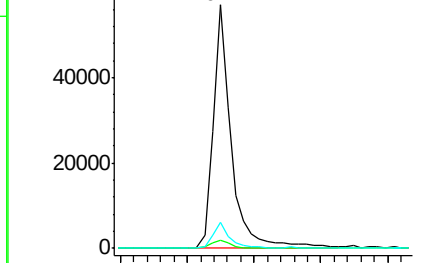
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

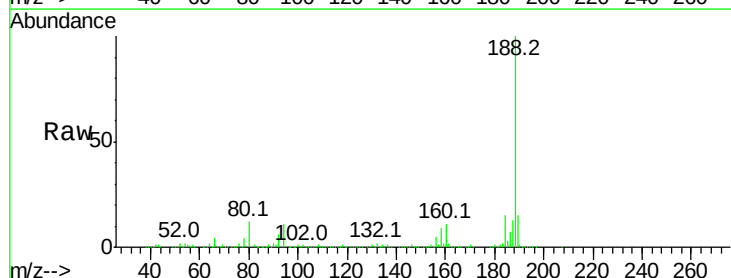
RT: 11.25 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

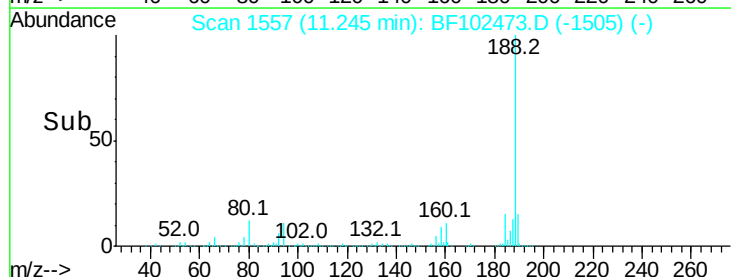
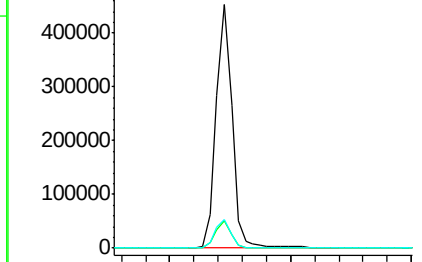
Tgt Ion:	188	Resp:	412510
Ion Ratio	Lower	Upper	
188	100		
94	11.4	8.5	12.7
80	11.9	9.2	13.8

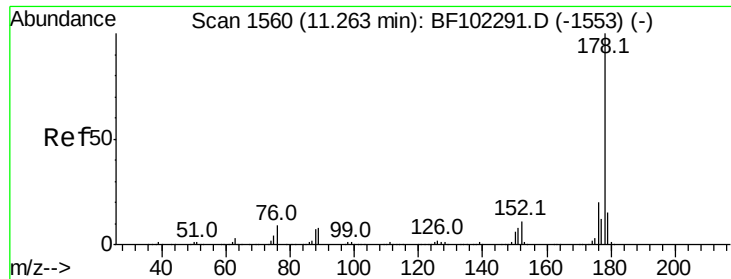


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





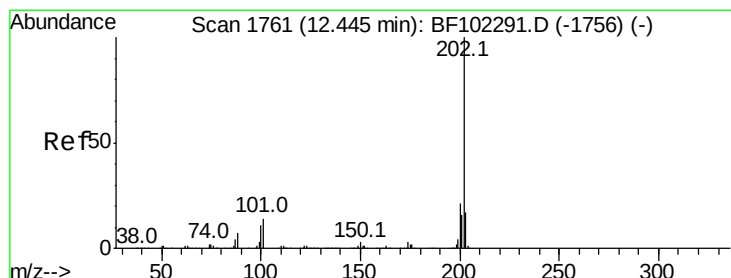
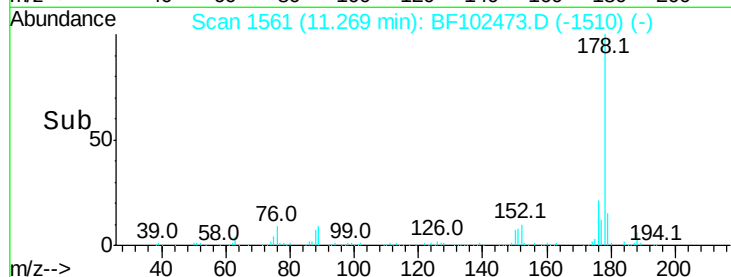
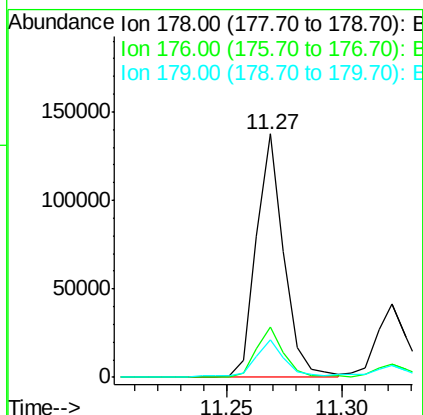
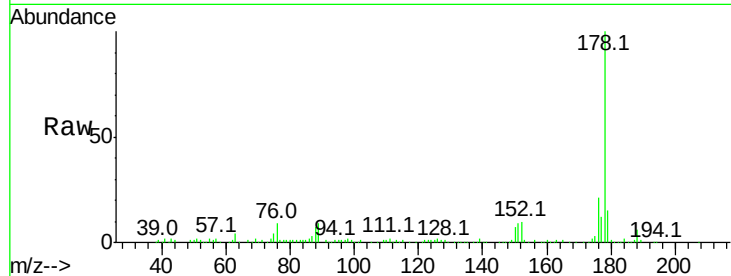
#70
Phenanthrene
Concen: 4.775 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.8	23.8
179	15.2	13.0	19.6

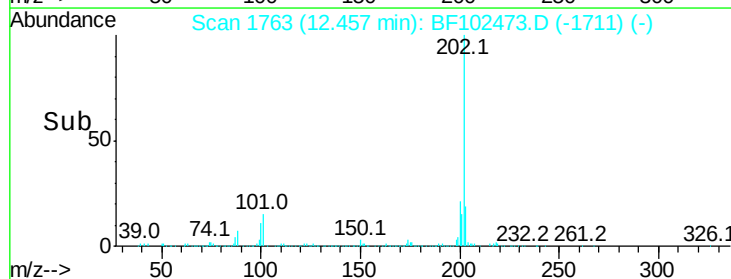
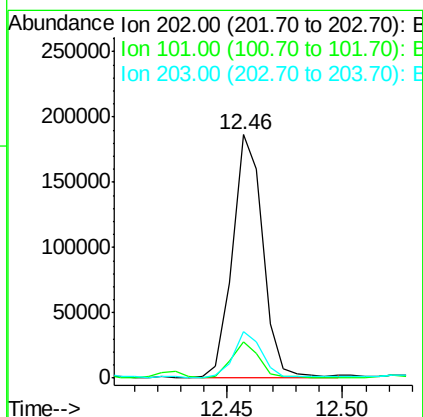
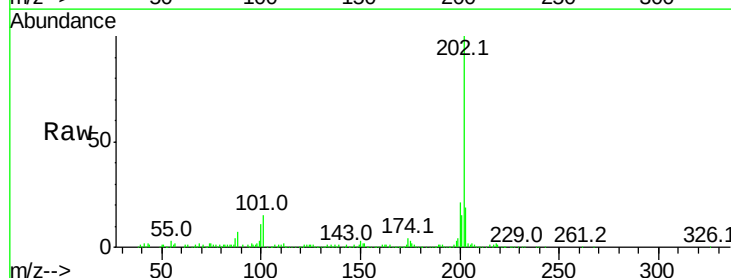
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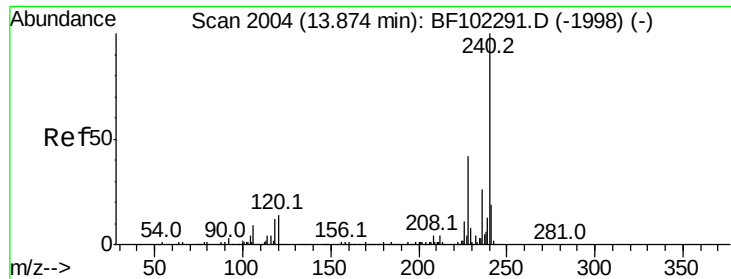
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#74
Fluoranthene
Concen: 6.937 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	34.1
203	19.1	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: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

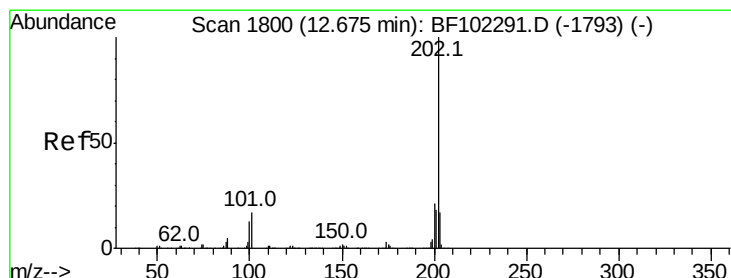
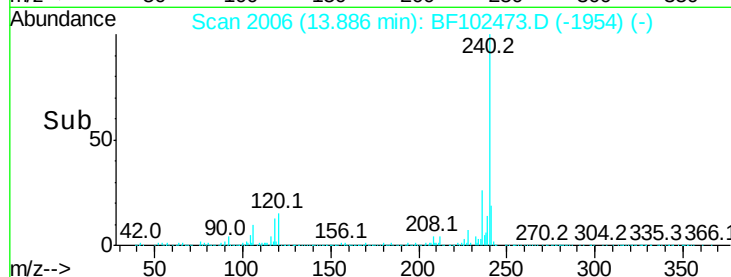
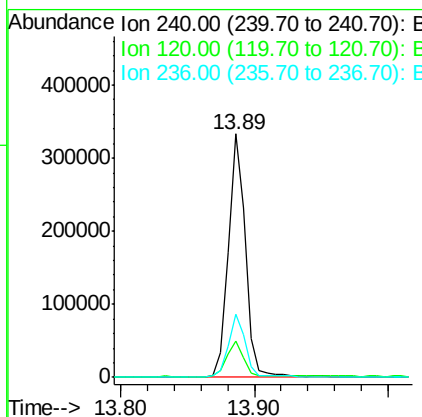
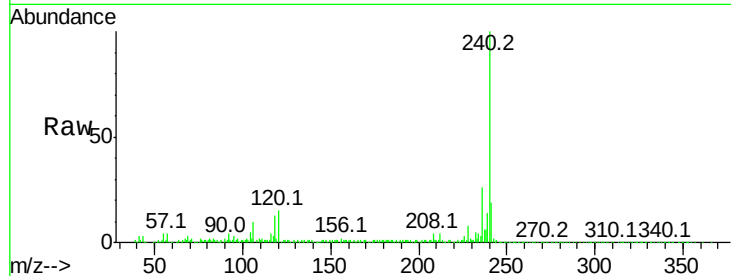
ClientSampleId :

PL-02-012418-D

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.7	9.5	14.3#	
236	25.8	20.7	31.1	

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#77

Pyrene

Concen: 9.286 ng

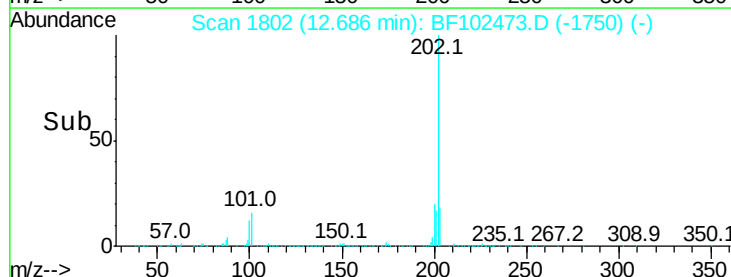
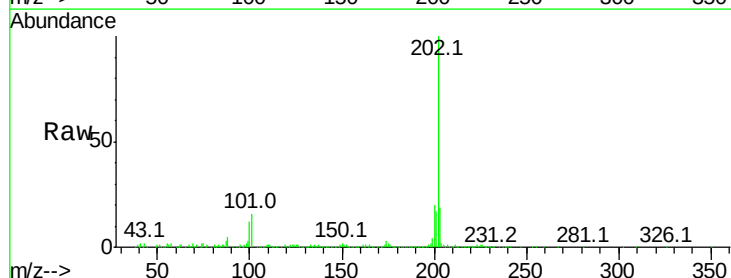
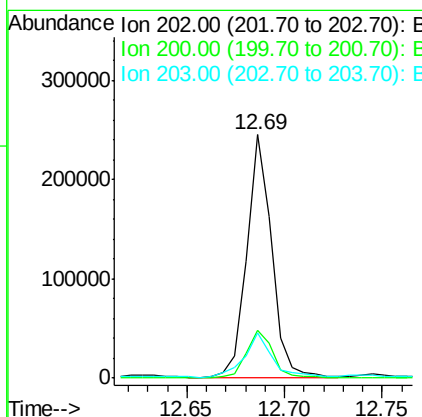
RT: 12.69 min Scan# 1802

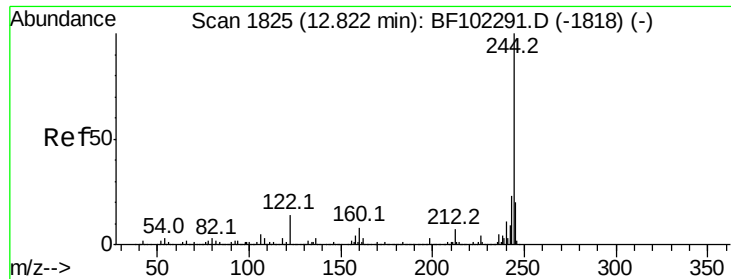
Delta R.T. 0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.7	17.4	26.2	
203	18.7	14.3	21.5	





#78

Terphenyl-d14

Concen: 15.927 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

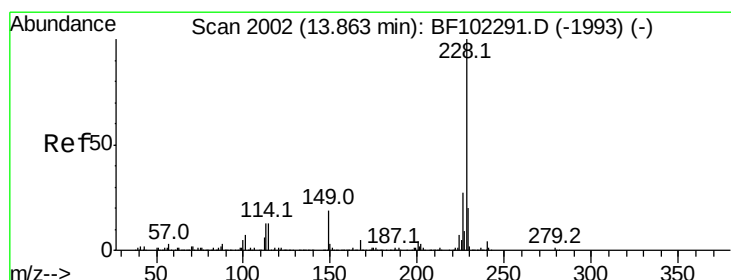
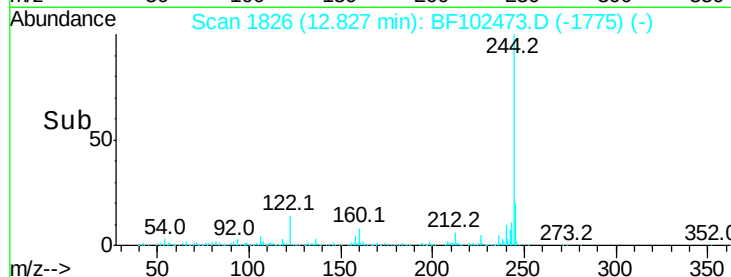
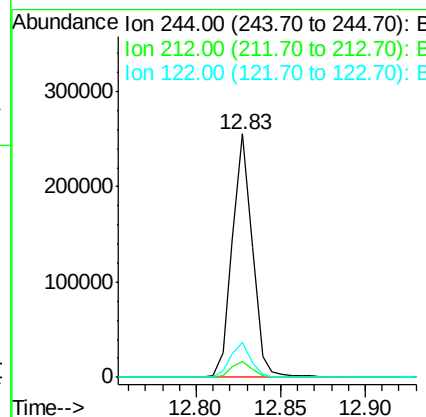
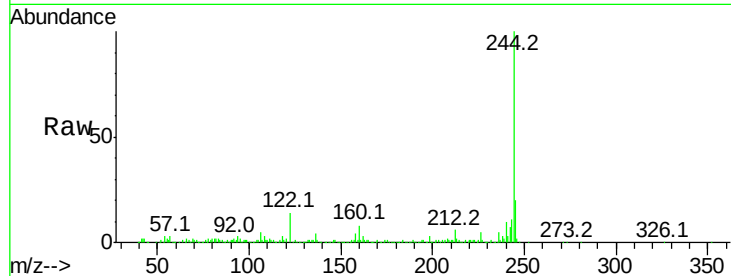
ClientSampleId :

PL-02-012418-D

Tot Ion:	244	Resp:	212242
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	14.1	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 4.516 ng

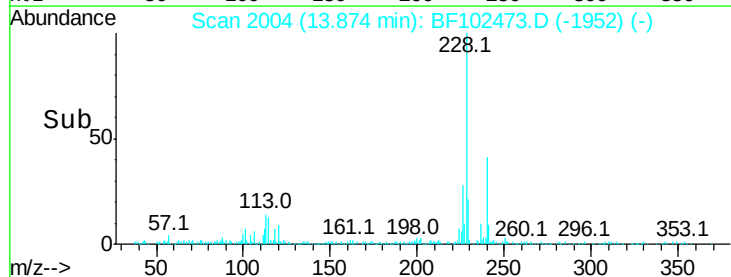
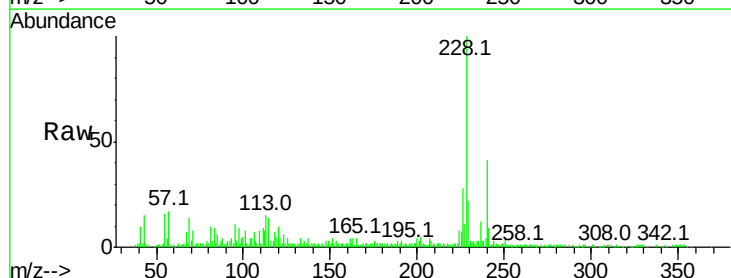
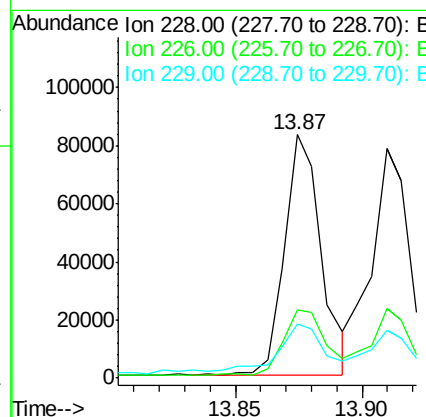
RT: 13.87 min Scan# 2004

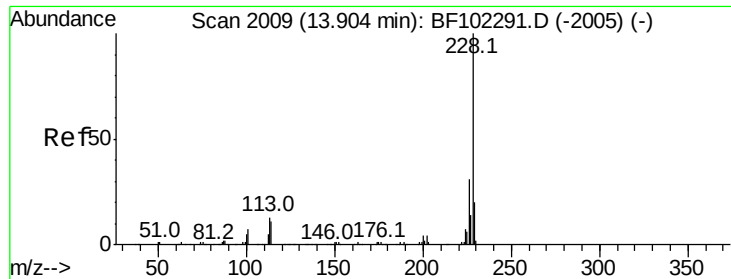
Delta R.T. 0.01 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Tgt Ion:	228	Resp:	83520
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	22.1	15.8	23.6





#82

Chrysene

Concen: 4.418 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Instrument :

BNA_F

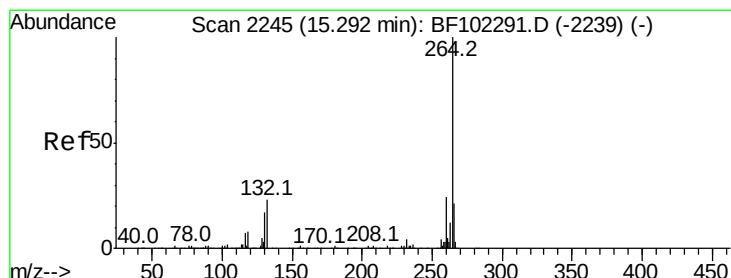
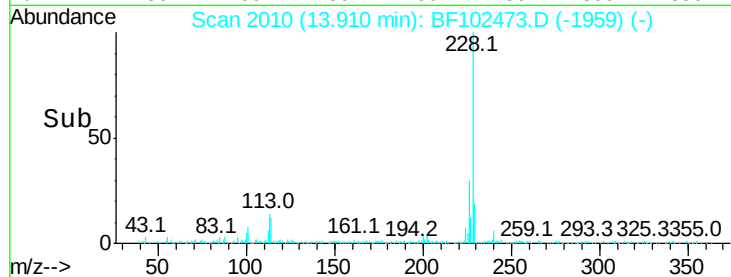
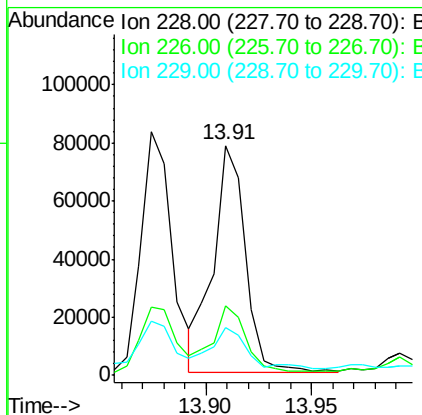
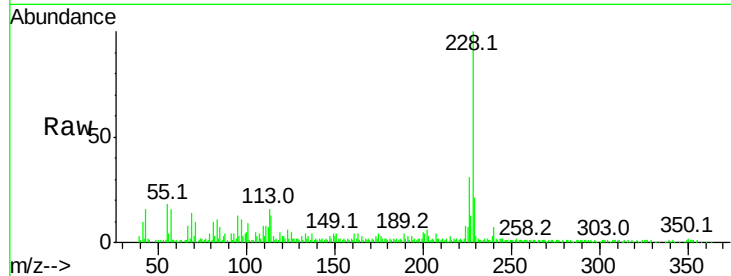
ClientSampleId :

PL-02-012418-D

Tot Ion:	228	Resp:	82980
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	20.9	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng

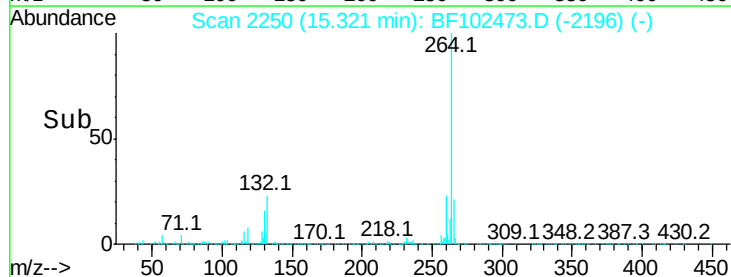
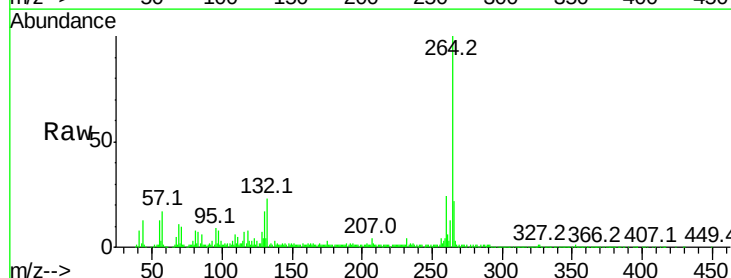
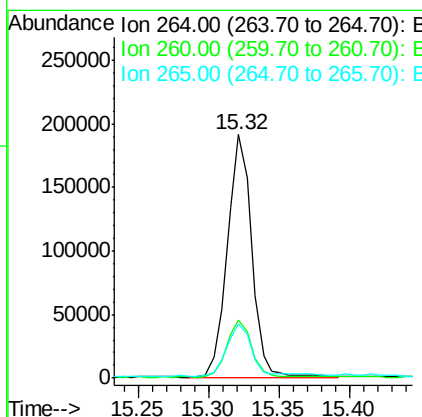
RT: 15.32 min Scan# 2250

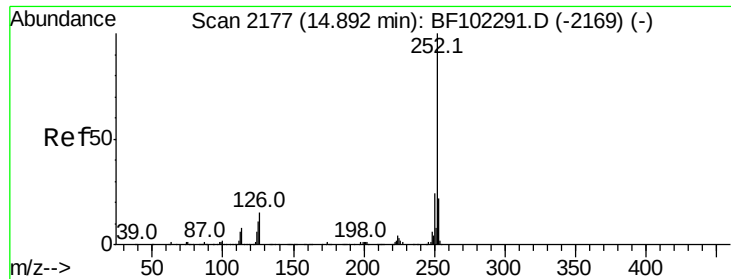
Delta R.T. 0.02 min

Lab File: BF102473.D

Acq: 26 Jan 2018 17:21

Tgt Ion:	264	Resp:	228974
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	22.1	17.5	26.3





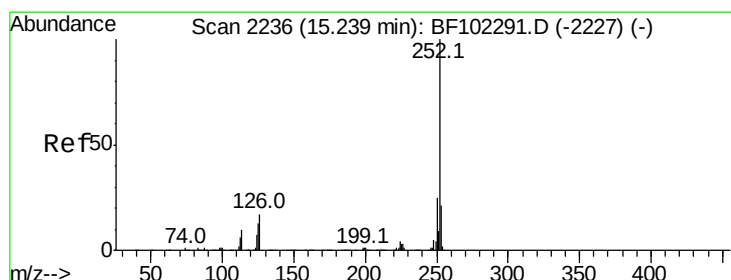
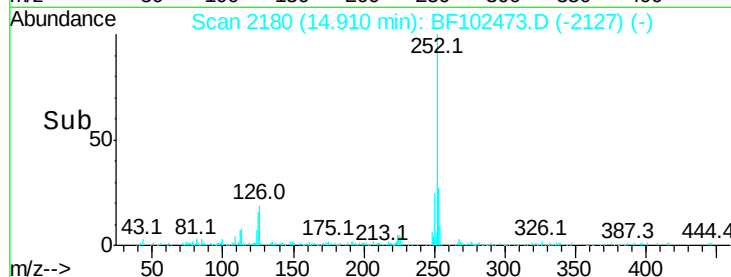
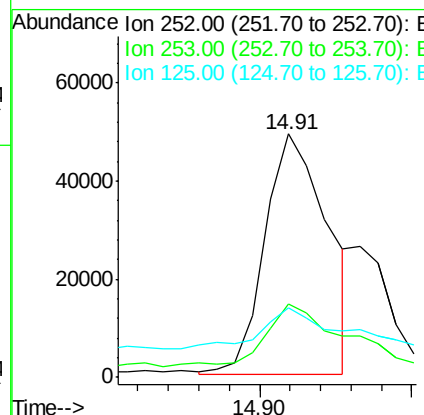
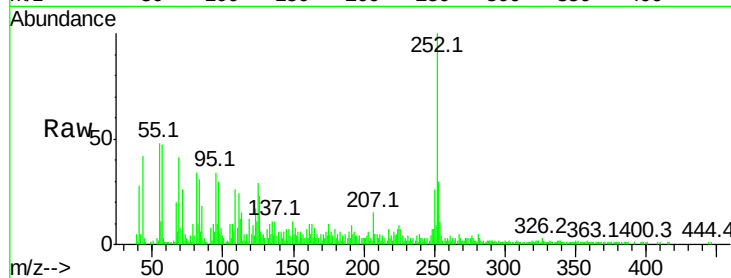
#87
Benzo(b)fluoranthene
Concen: 4.762 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.0	25.6#
125	28.7	9.0	13.6#

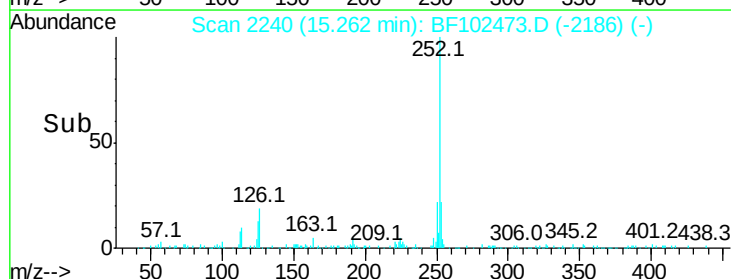
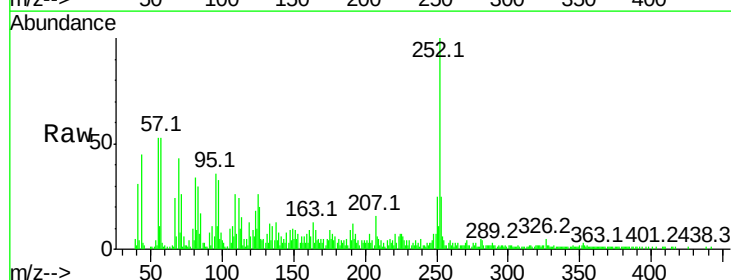
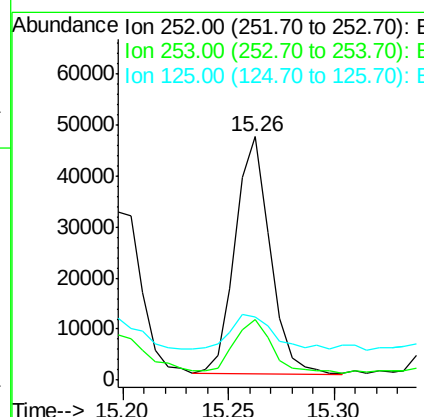
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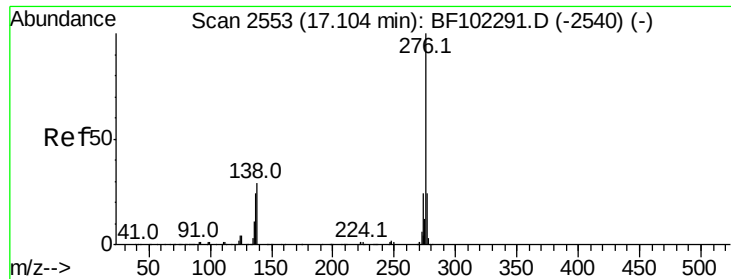
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#89
Benzo(a)pyrene
Concen: 3.974 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.02 min
Lab File: BF102473.D
Acq: 26 Jan 2018 17:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	26.1	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.660 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. 0.03 min
 Lab File: BF102473.D
 Acq: 26 Jan 2018 17:21

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.1	17.9	26.9#
138	33.5	21.8	32.8#

Manual Integrations
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