

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
 Data File : BF102274.D
 Acq On : 20 Jan 2018 19:02
 Operator : SJ/JU
 Sample : J1210-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-4220

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:26:00 PM

Quant Time: Jan 22 03:27:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	146400	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	594079	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	241085	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	347006	20.00	ng	0.00
75) Chrysene-d12	13.87	240	271056	20.00	ng	0.00
86) Perylene-d12	15.30	264	204906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	985490	95.05	ng	0.00
7) Phenol-d6	6.36	99	1170862	94.66	ng	0.00
23) Nitrobenzene-d5	7.29	82	720785	71.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	195977	93.15	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1076175	69.74	ng	0.00
78) Terphenyl-d14	12.82	244	725448	55.57	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	59596	4.26	ng	95
31) Naphthalene	8.02	128	88095	2.97	ng	99
37) 2-Methylnaphthalene	8.72	142	72378	3.70	ng	99
49) Dimethylphthalate	9.47	163	133177	6.89	ng	99
51) Acenaphthene	9.79	154	91697	5.76	ng	98
54) Dibenzofuran	9.96	168	151061	6.92	ng	100
57) Fluorene	10.30	166	161989	10.73	ng	100
70) Phenanthrene	11.26	178	541610	26.72	ng	99
71) Anthracene	11.31	178	95615	4.65	ng	98
74) Fluoranthene	12.45	202	361808	18.14	ng	96
77) Pyrene	12.67	202	262501	10.96	ng	99
80) Benzo(a)anthracene	13.86	228	77902m	4.50	ng	
82) Chrysene	13.90	228	83409m	4.63	ng	
87) Benzo(b)fluoranthene	14.89	252	62524m	4.68	ng	
89) Benzo(a)pyrene	15.23	252	31977	2.66	ng	# 90

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

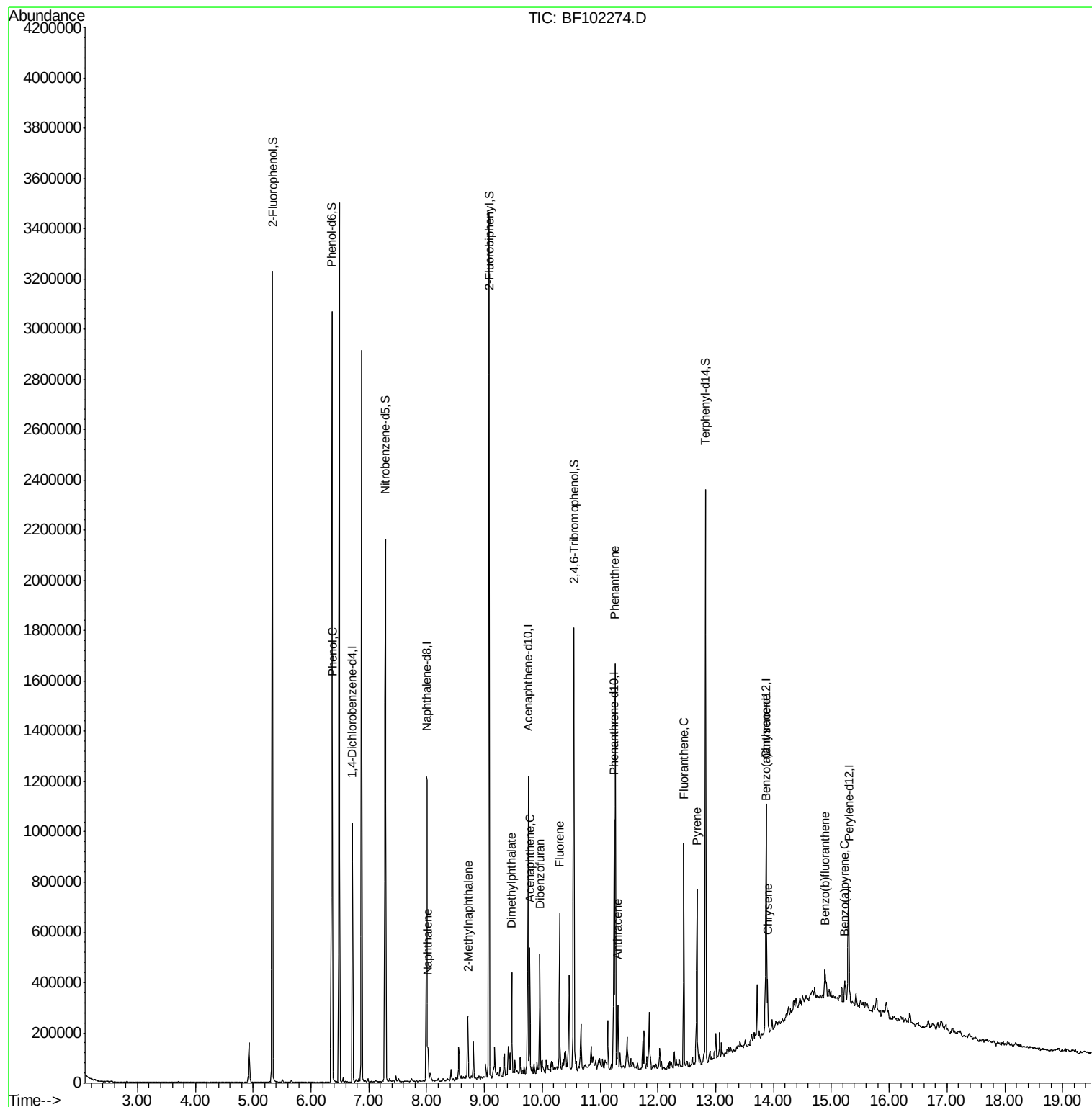
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102274.D
Acq On : 20 Jan 2018 19:02
Operator : SJ/JU
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ALS Vial : 24 Sample Multiplier: 1

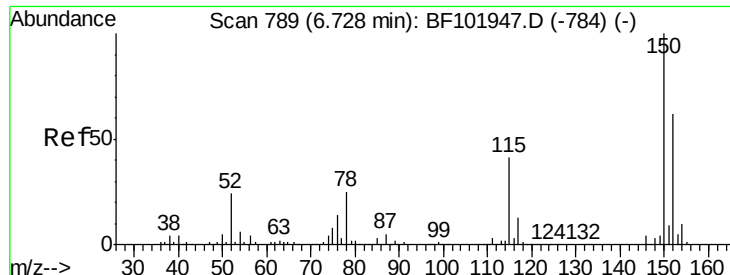
Instrument :
BNA_F
ClientSampled :
R-4220

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#1

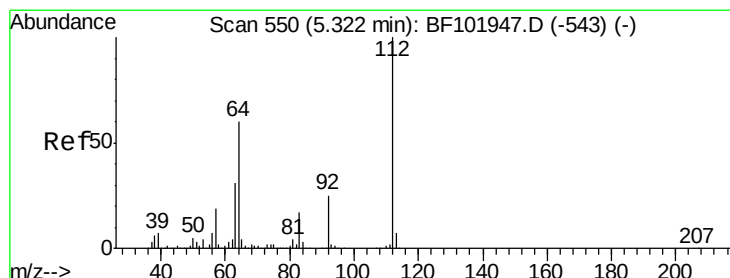
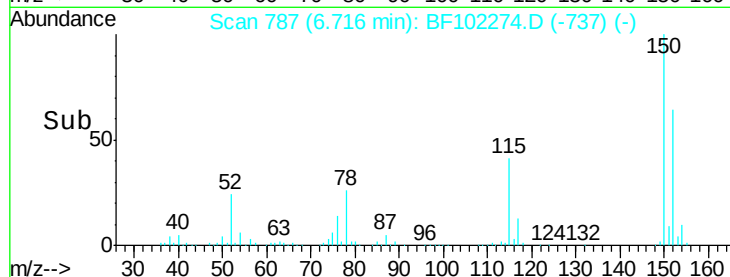
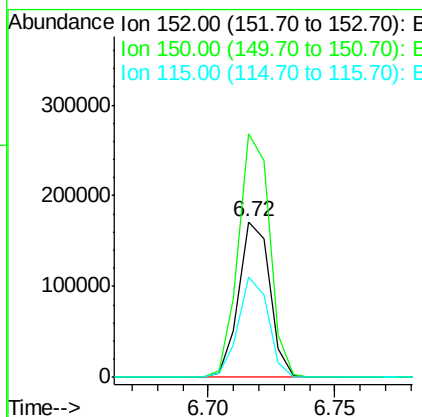
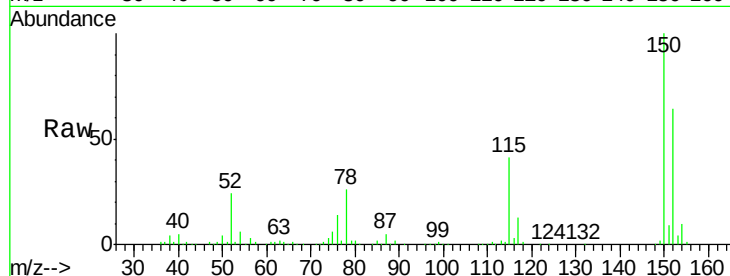
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :
R-4220

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	64.7	50.1	75.1

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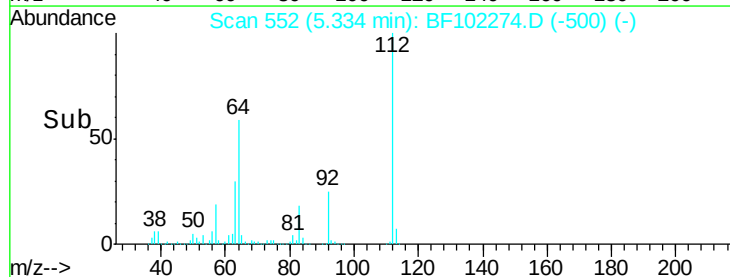
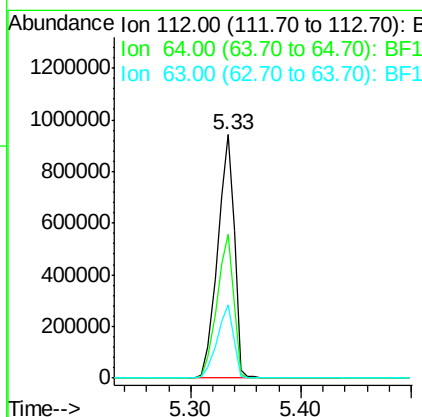
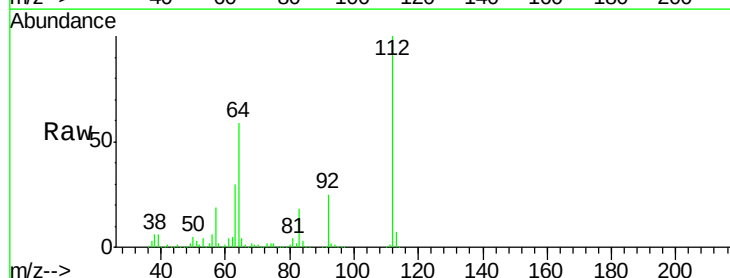
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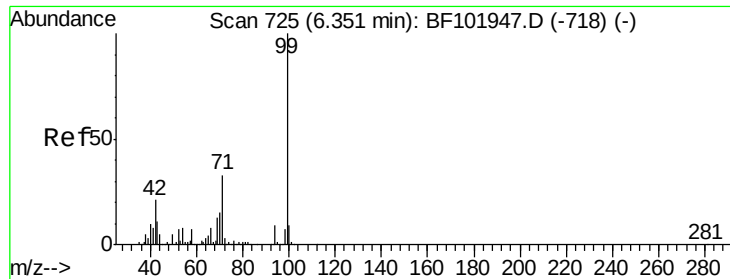


#5

2-Fluorophenol
Concen: 95.05 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 94.66 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102274.D

Acq: 20 Jan 2018 19:02

Instrument :

BNA_F

ClientSampled :

R-4220

Tot Ion: 99 Resp: 1170862

Ion Ratio Lower Upper

99 100

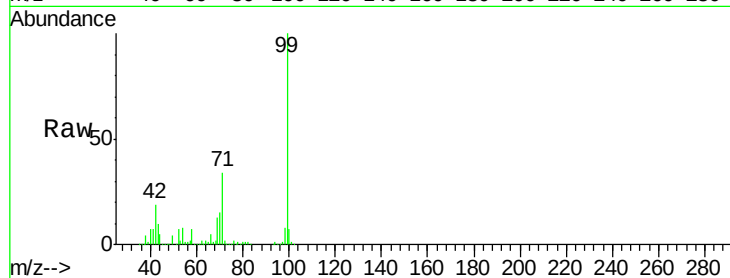
42 19.4 14.5 21.7

71 34.3 25.4 38.0

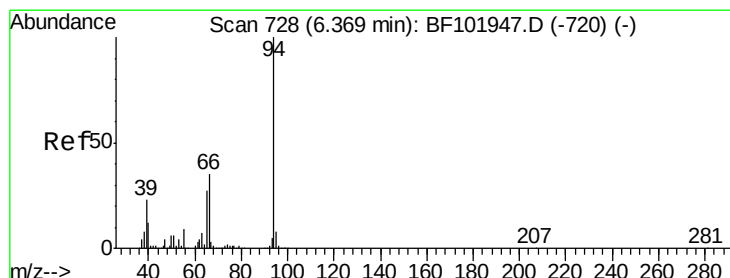
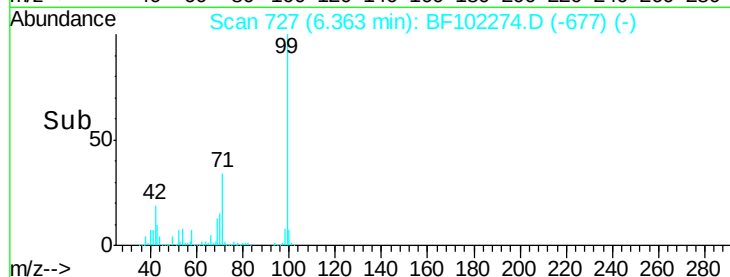
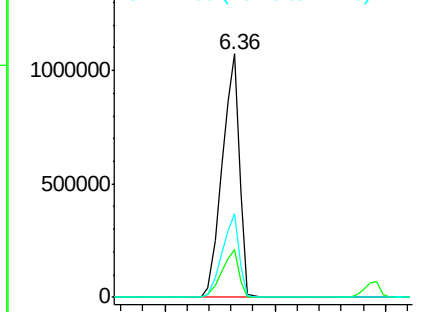
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.26 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102274.D

Acq: 20 Jan 2018 19:02

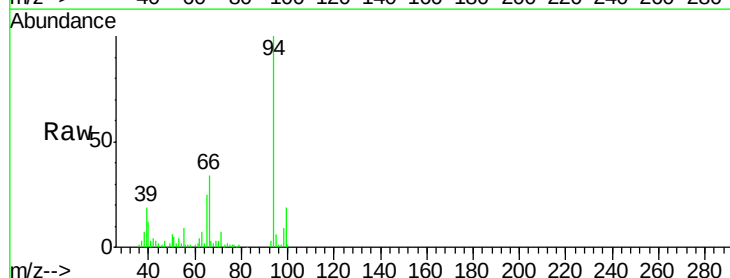
Tgt Ion: 94 Resp: 59596

Ion Ratio Lower Upper

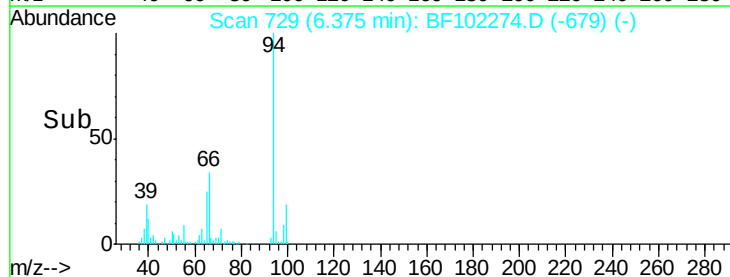
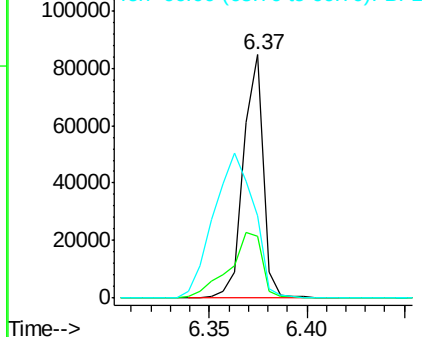
94 100

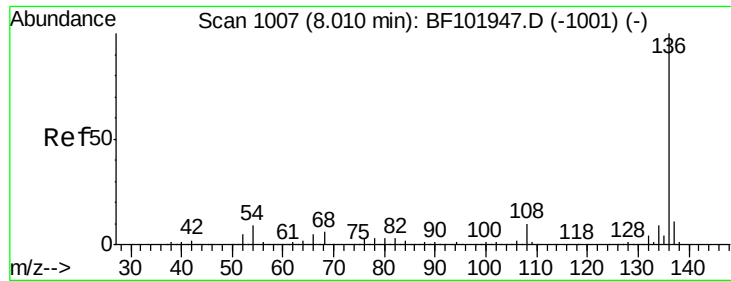
65 25.2 7.9 47.9

66 33.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





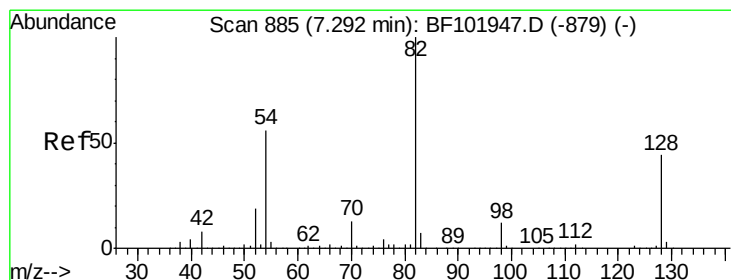
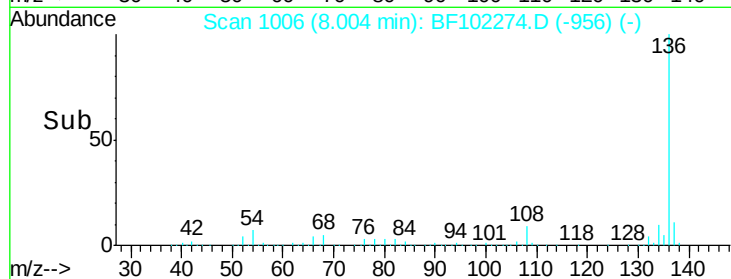
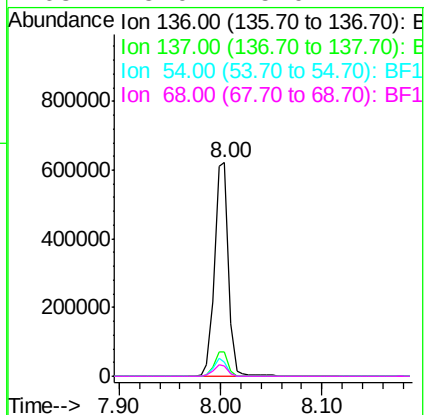
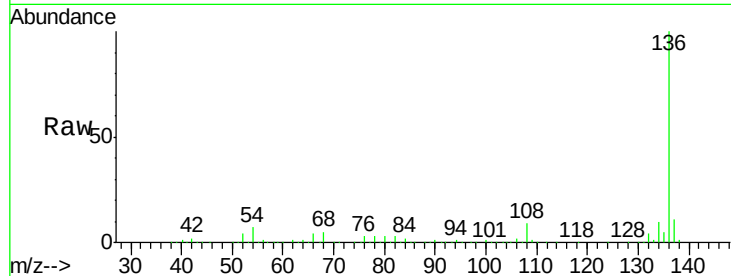
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Instrument :
BNA_F
ClientSampled :
R-4220

Tot Ion	Ratio	Resp	Lower	Upper
136	100	594079		
137	11.1		8.9	13.3
54	6.9		6.6	9.8
68	5.0		5.0	7.4#

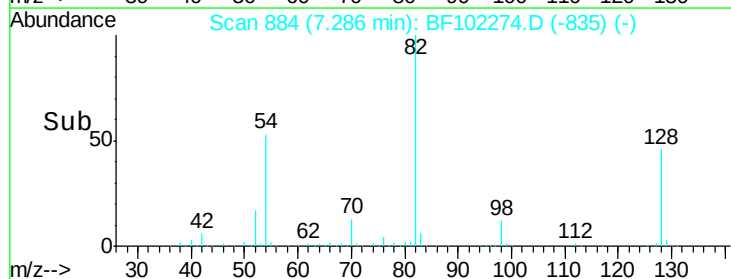
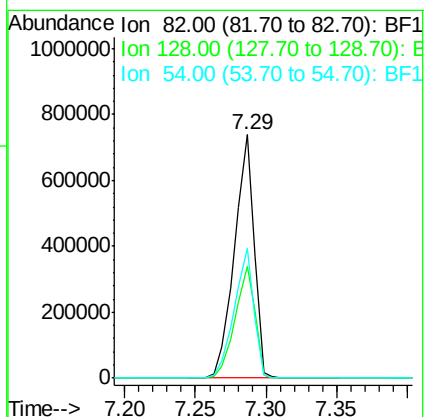
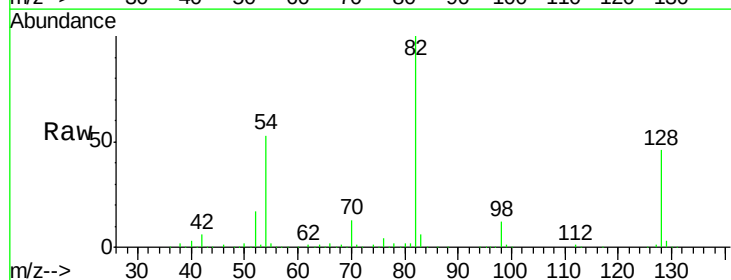
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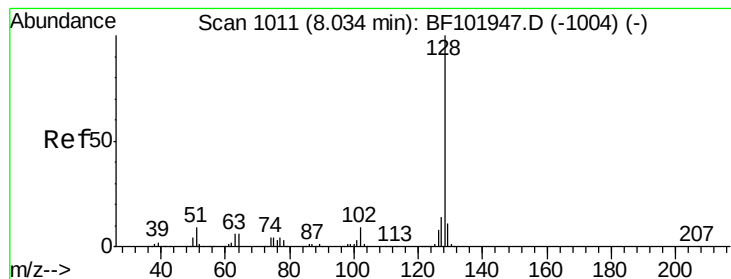
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#23
Nitrobenzene-d5
Concen: 71.30 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	720785		
128	45.8		36.1	54.1
54	53.3		41.4	62.2





#31

Naphthalene

Concen: 2.97 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102274.D

Acq: 20 Jan 2018 19:02

Instrument :

BNA_F

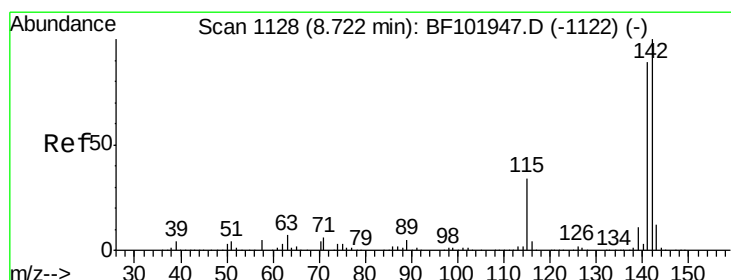
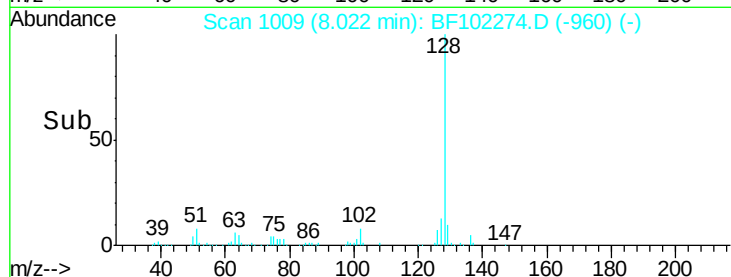
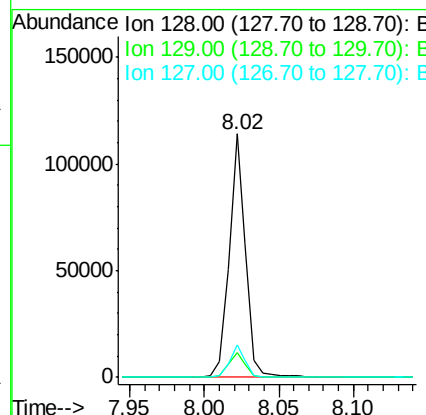
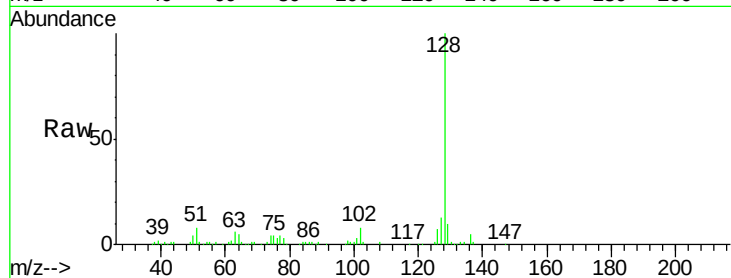
ClientSampled :

R-4220

Tot Ion:	128	Resp:	88095
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.8	13.2
127	13.2	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 3.70 ng

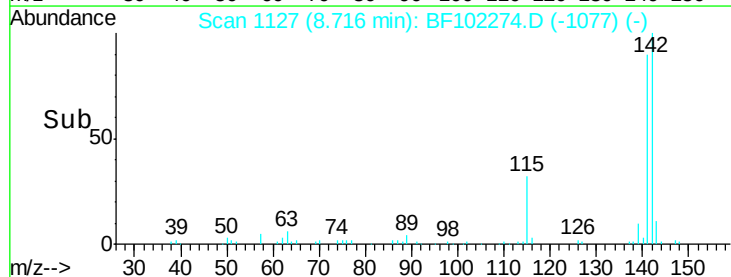
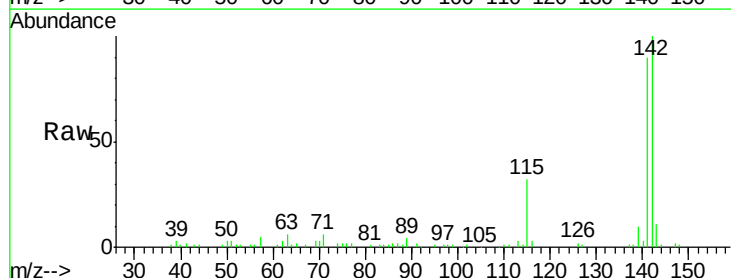
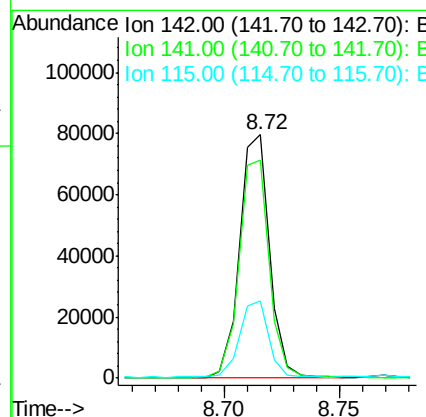
RT: 8.72 min Scan# 1127

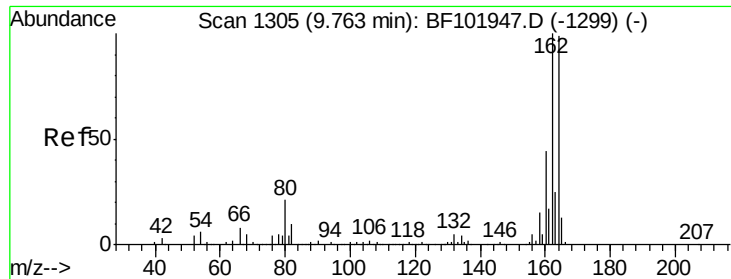
Delta R.T. -0.01 min

Lab File: BF102274.D

Acq: 20 Jan 2018 19:02

Tgt Ion:	142	Resp:	72378
Ion Ratio	Lower	Upper	
142	100		
141	89.7	70.8	106.2
115	31.5	26.1	39.1





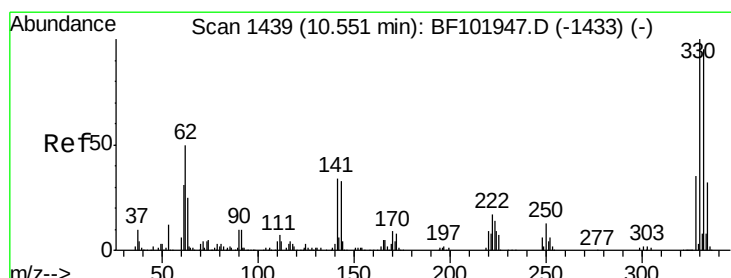
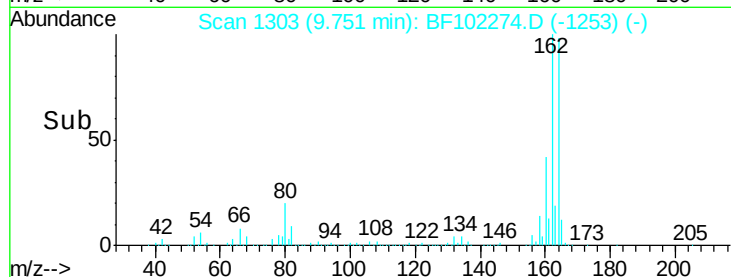
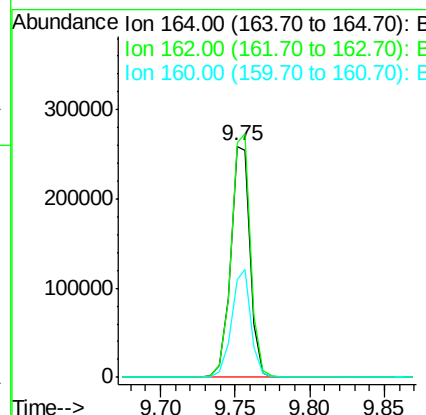
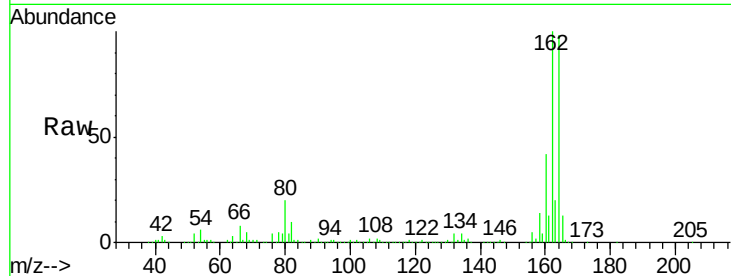
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102274.D
 Acq: 20 Jan 2018 19:02

Instrument :
 BNA_F
 ClientSampled :
 R-4220

Tot Ion	Ratio	Resp	Lower	Upper
164	100	241085		
162	101.9	86.1	129.1	
160	42.4	38.3	57.5	

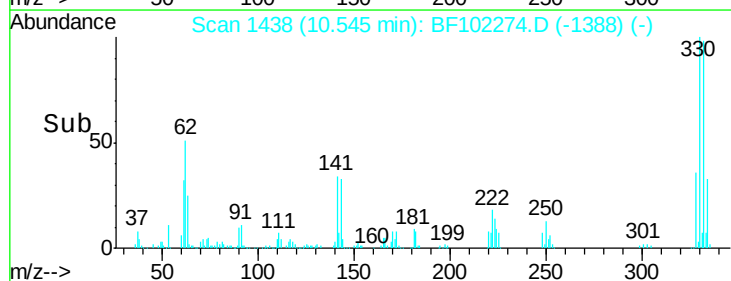
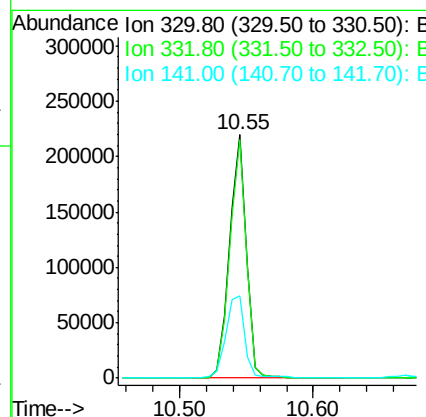
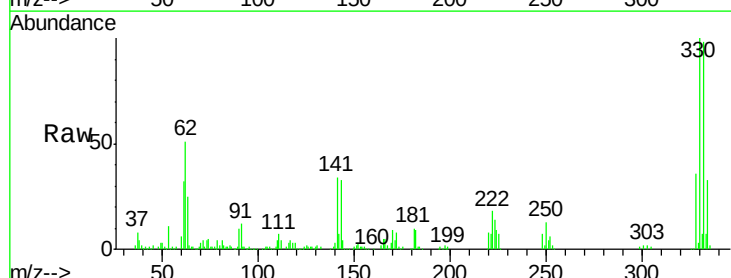
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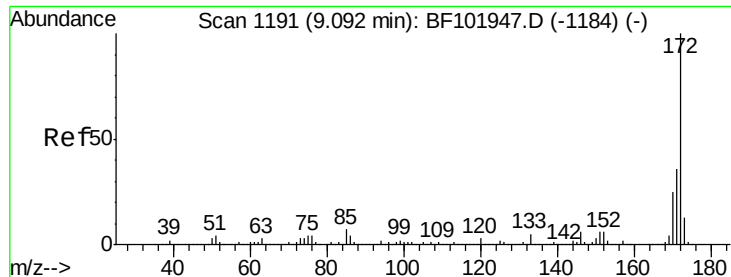
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#41
 2,4,6-Tribromophenol
 Concen: 93.15 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102274.D
 Acq: 20 Jan 2018 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	195977		
332	97.1	77.0	115.6	
141	37.6	29.9	44.9	





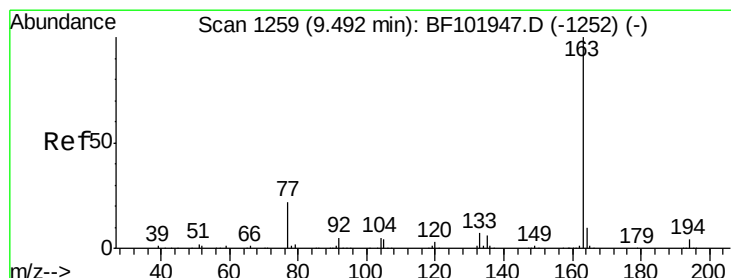
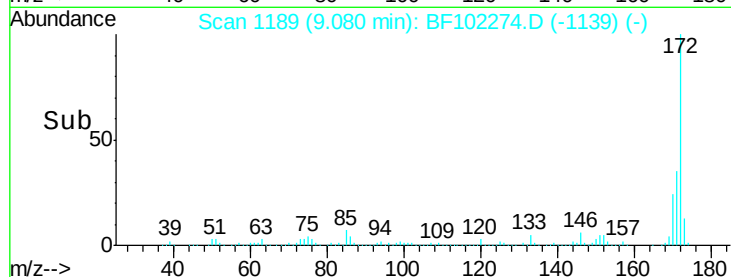
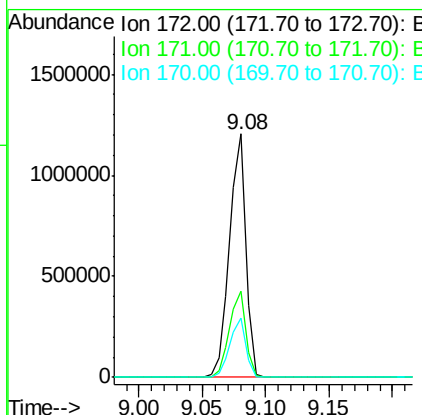
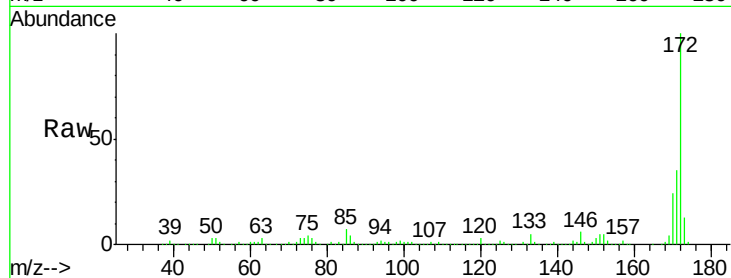
#44
2-Fluorobiphenyl
Concen: 69.74 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :
R-4220

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.3	19.6	29.4

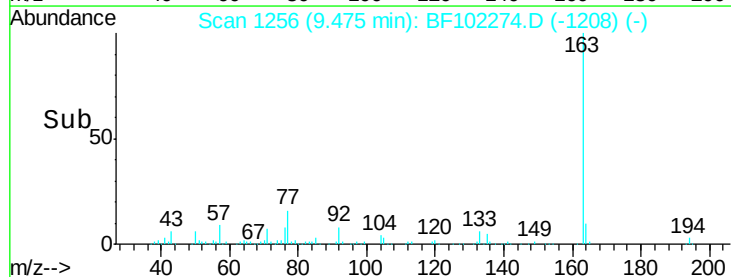
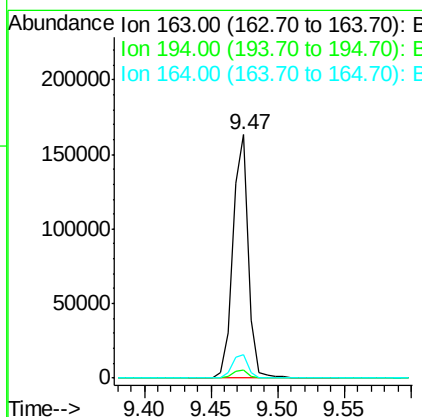
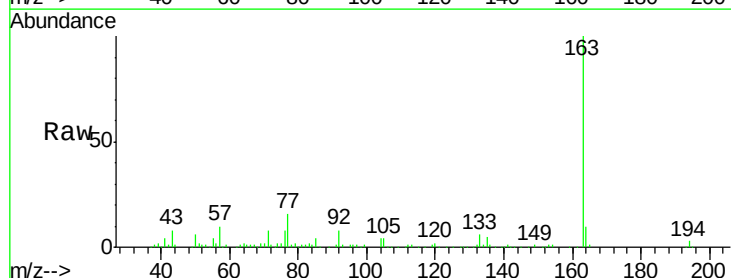
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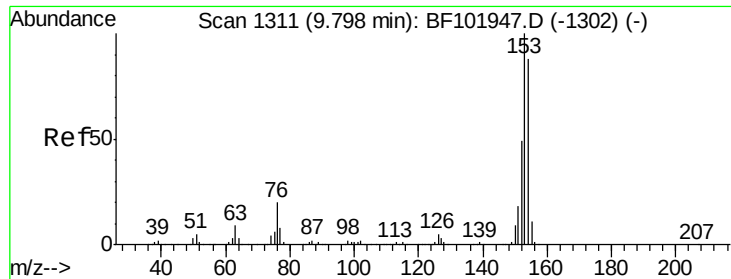
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#49
Dimethylphthalate
Concen: 6.89 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.7	8.2	12.2





#51

Acenaphthene

Concen: 5.76 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102274.D

Acq: 20 Jan 2018 19:02

Instrument :

BNA_F

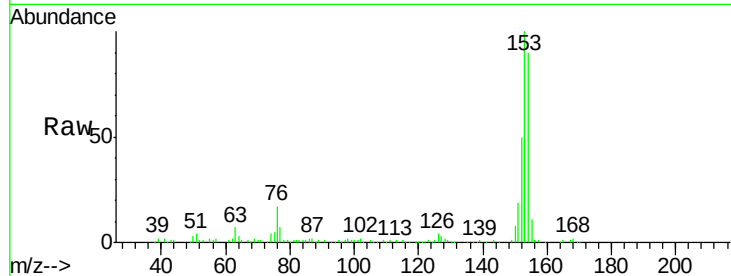
ClientSampleId :

R-4220

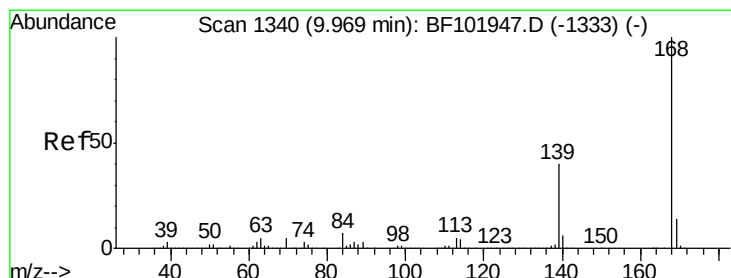
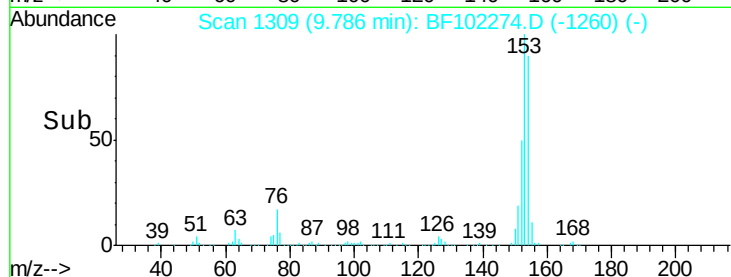
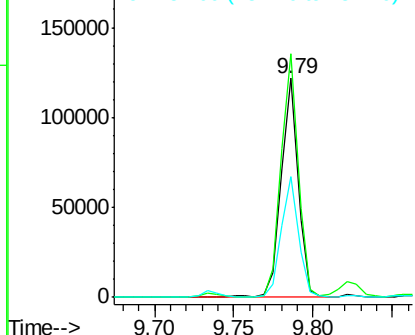
Tot Ion:	154	Resp:	91697
Ion Ratio	Lower	Upper	
154	100		
153	111.3	91.2	136.8
152	55.3	43.8	65.8

Manual Integrations
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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: 6.92 ng

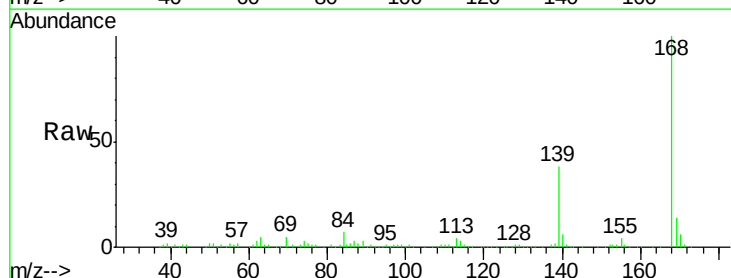
RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

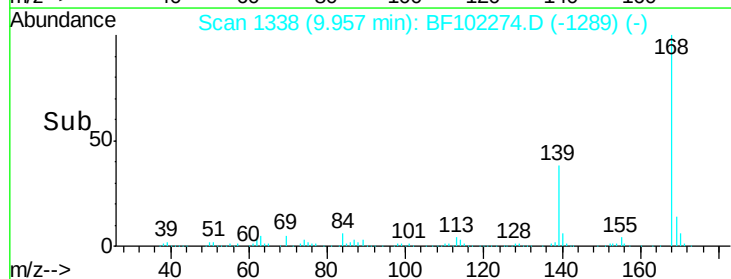
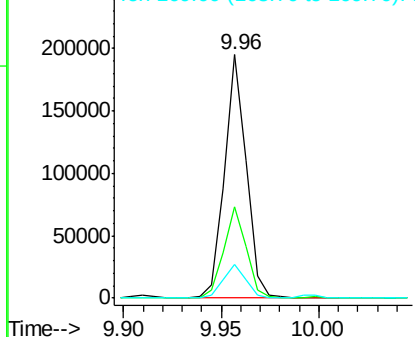
Lab File: BF102274.D

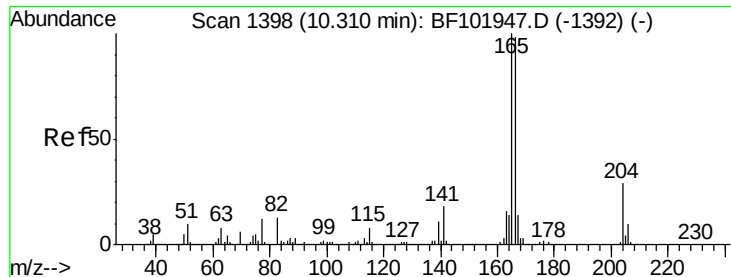
Acq: 20 Jan 2018 19:02

Tgt Ion:	168	Resp:	151061
Ion Ratio	Lower	Upper	
168	100		
139	37.6	30.1	45.1
169	13.6	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: 10.73 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102274.D

Acq: 20 Jan 2018 19:02

Instrument :

BNA_F

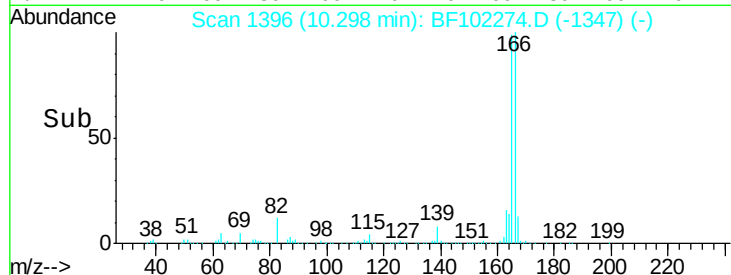
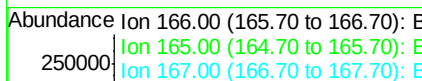
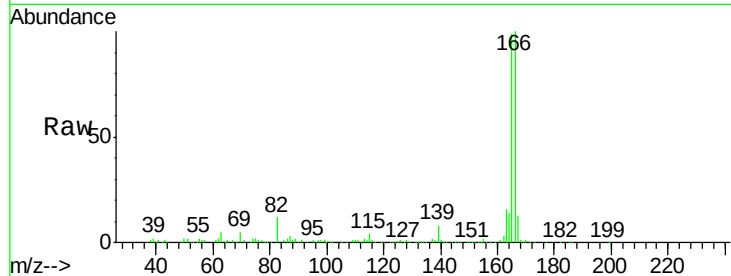
ClientSampled :

R-4220

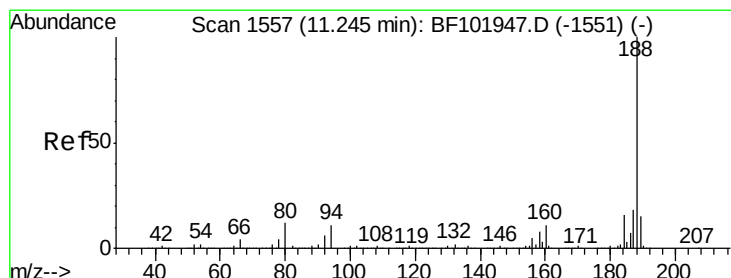
Tot Ion:	166	Resp:	161989
Ion Ratio	Lower	Upper	
166	100		
165	99.3	79.8	119.8
167	13.4	10.6	16.0

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Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

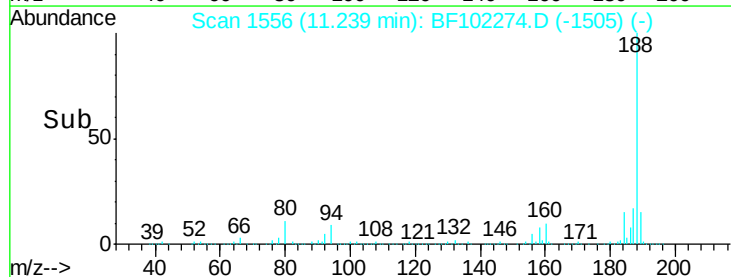
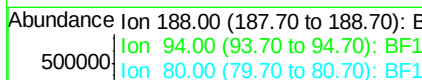
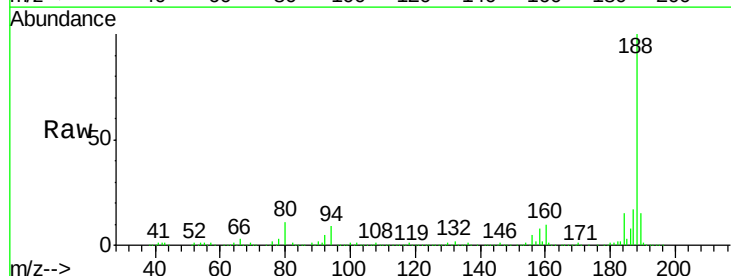
RT: 11.24 min Scan# 1556

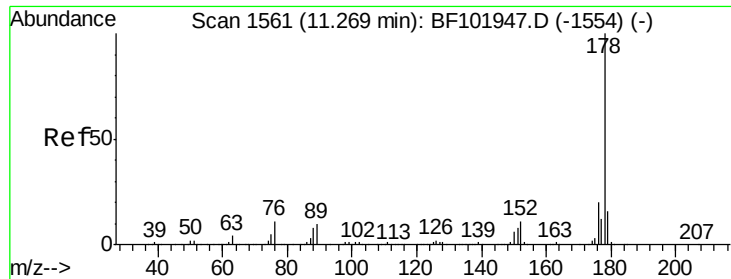
Delta R.T. 0.00 min

Lab File: BF102274.D

Acq: 20 Jan 2018 19:02

Tgt Ion:	188	Resp:	347006
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	10.6	9.2	13.8





#70

Phenanthrene

Concen: 26.72 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102274.D

Acq: 20 Jan 2018 19:02

Instrument :

BNA_F

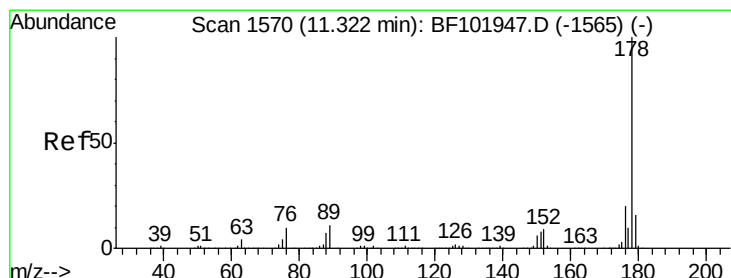
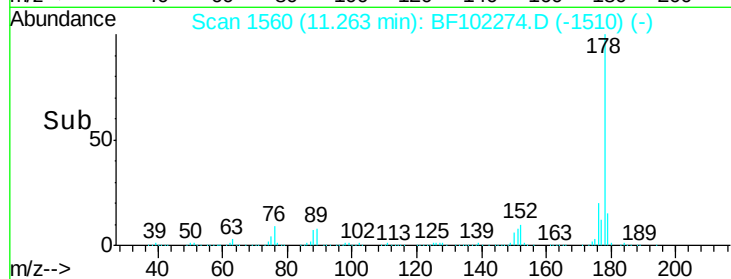
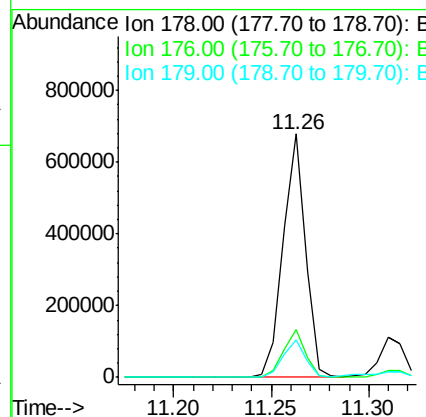
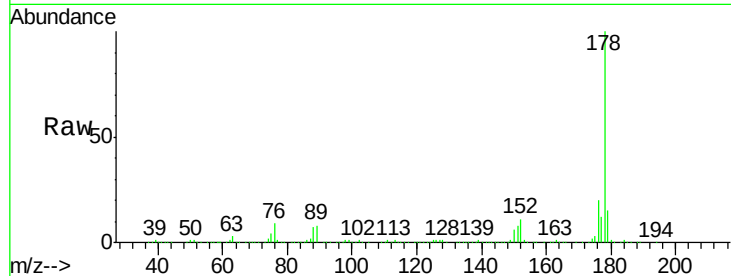
ClientSampleId :

R-4220

Tot Ion:178	Resp:	541610
Ion Ratio	Lower	Upper
178	100	
176	19.7	15.8 23.8
179	15.4	13.0 19.6

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#71

Anthracene

Concen: 4.65 ng

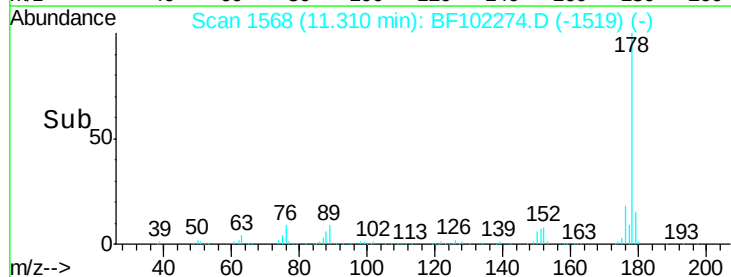
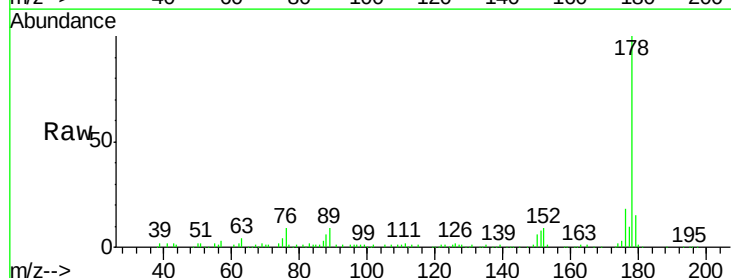
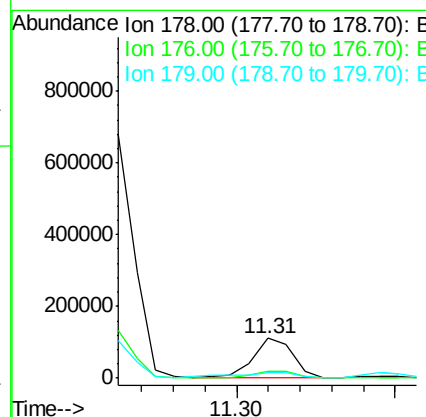
RT: 11.31 min Scan# 1568

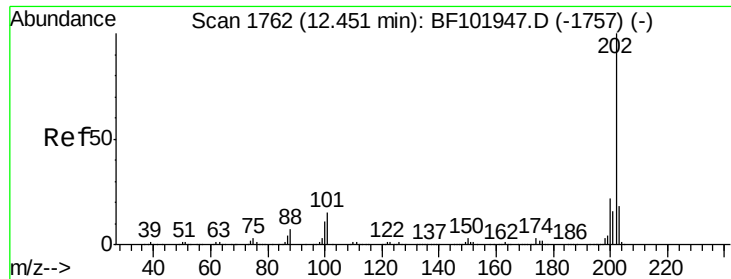
Delta R.T. -0.01 min

Lab File: BF102274.D

Acq: 20 Jan 2018 19:02

Tgt Ion:178	Resp:	95615
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.4 23.2
179	15.0	12.6 19.0





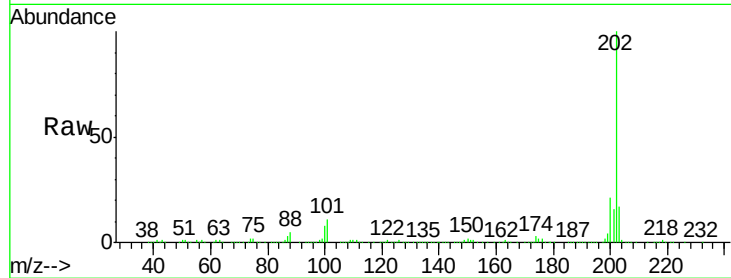
#74
Fluoranthene
Concen: 18.14 ng
RT: 12.45 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Instrument :
BNA_F
ClientSampled :
R-4220

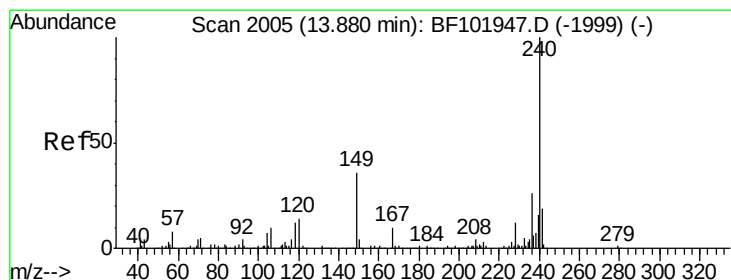
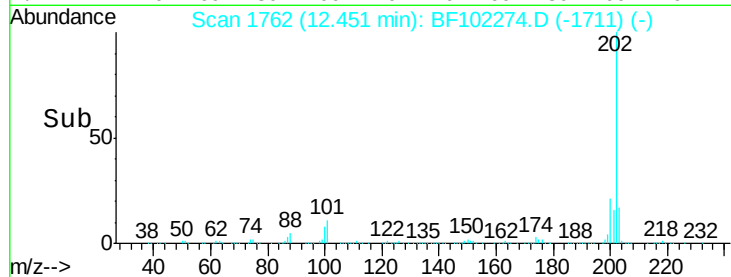
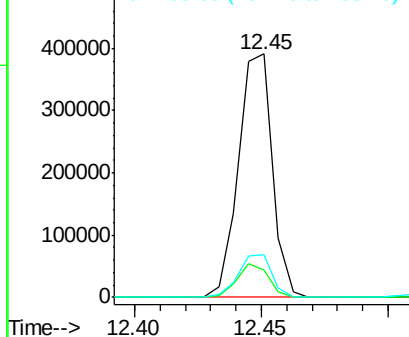
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.4	0.0	38.1

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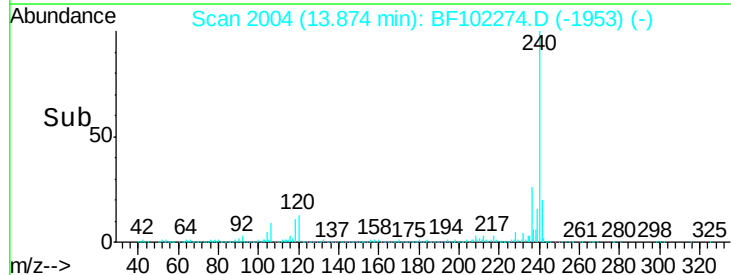
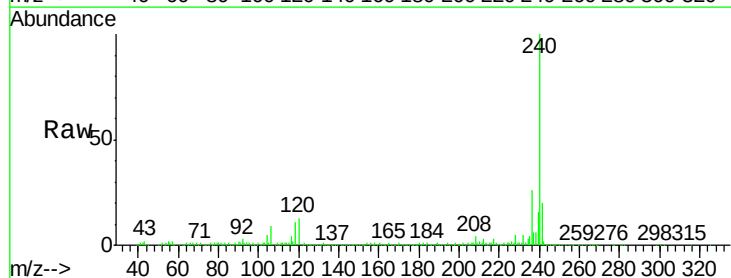
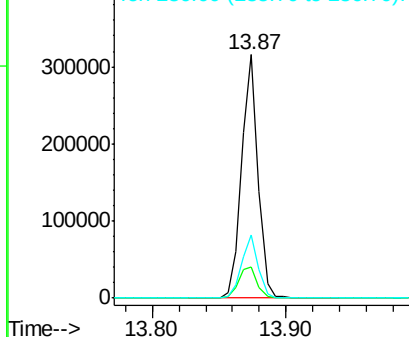
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

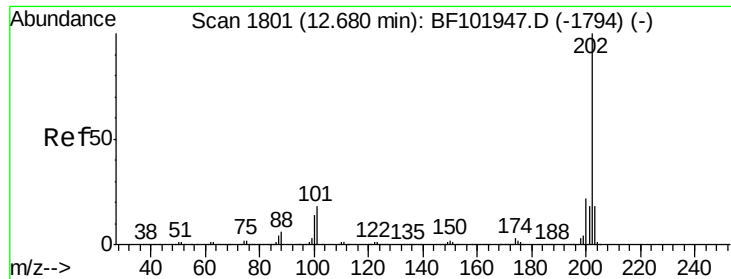


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.9	9.5	14.3
236	26.2	20.7	31.1

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





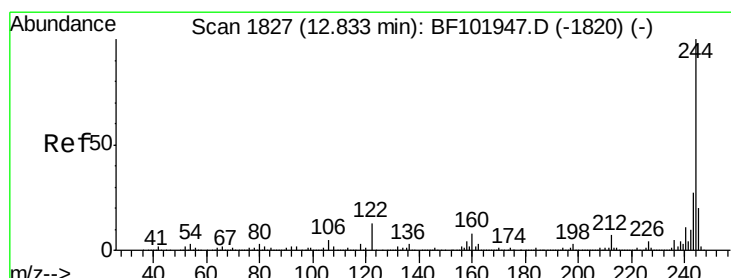
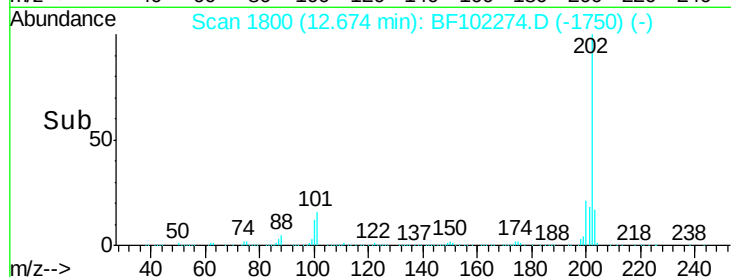
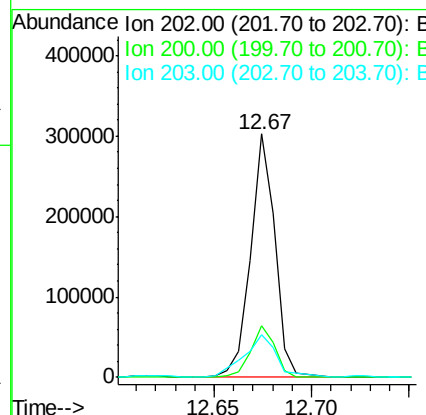
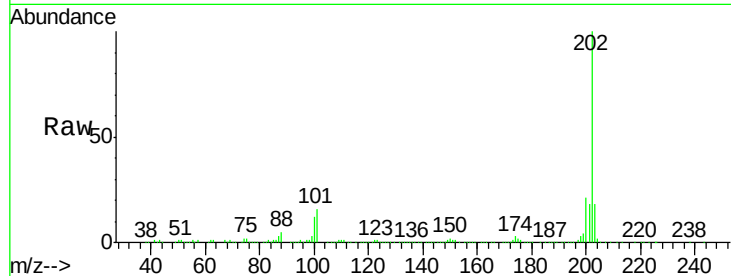
#77
Pvrene
Concen: 10.96 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :
R-4220

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5

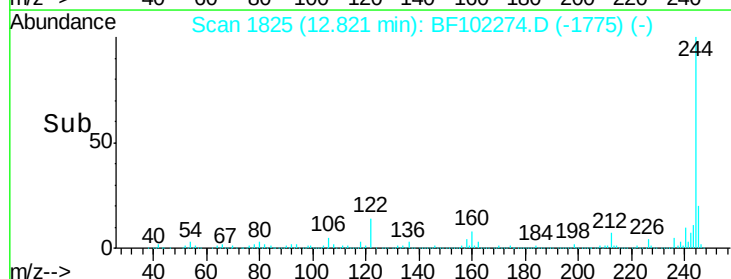
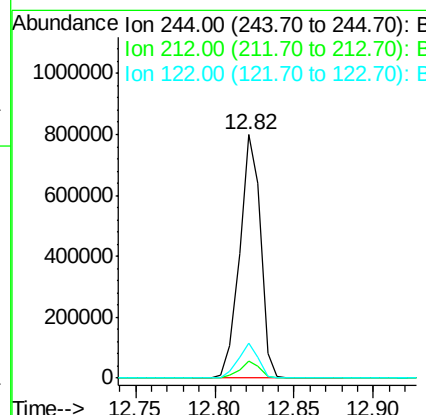
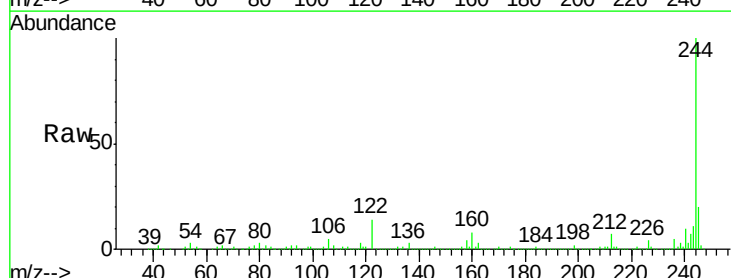
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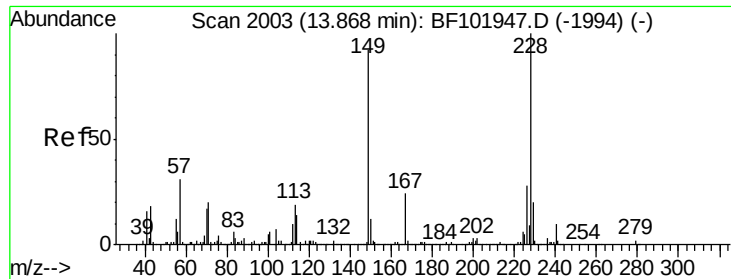
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#78
Terphenyl-d14
Concen: 55.57 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.5	11.0	16.4





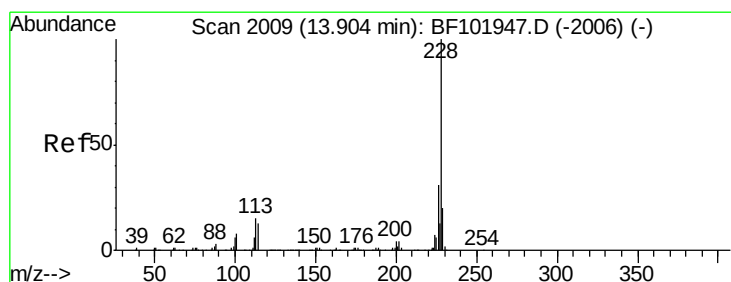
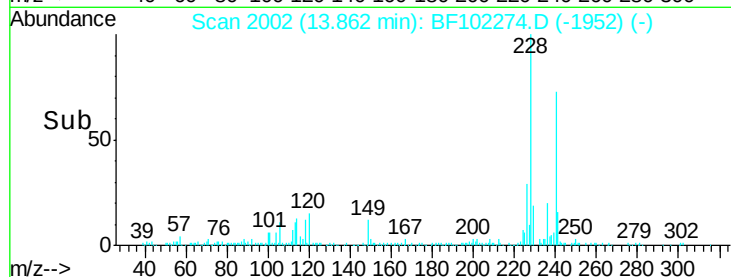
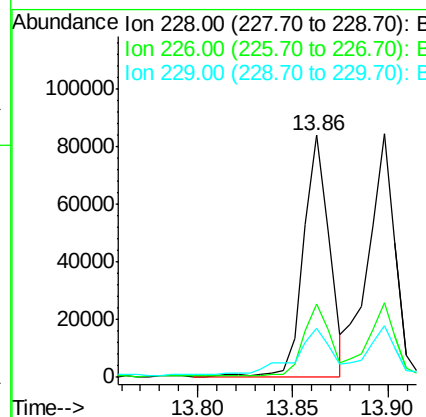
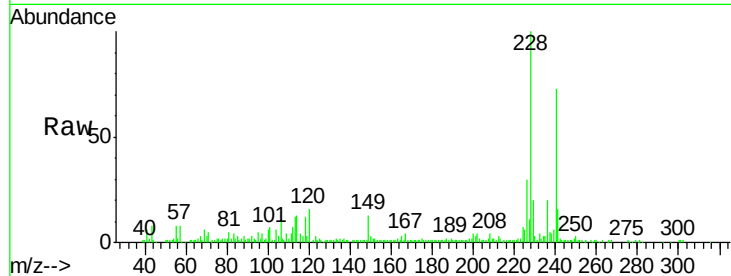
#80
Benzo(a)anthracene
Concen: 4.50 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :
R-4220

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.3	15.8	23.6

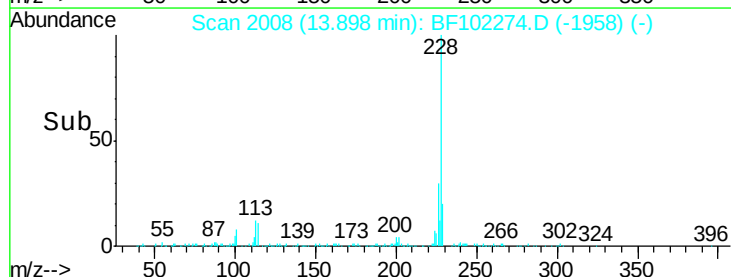
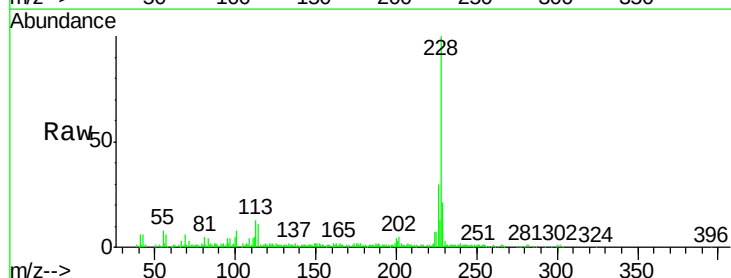
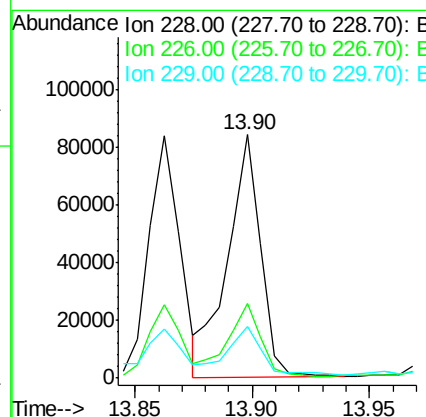
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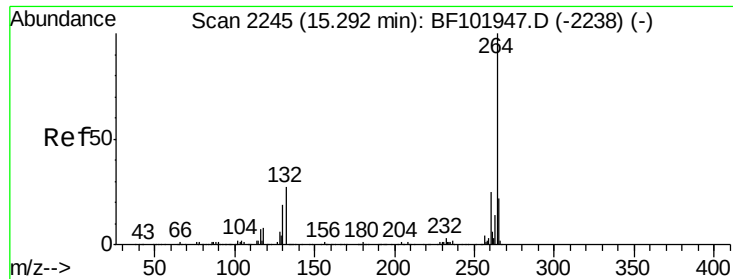
Sohil
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#82
Chrysene
Concen: 4.63 ng m
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.0	16.2	24.4





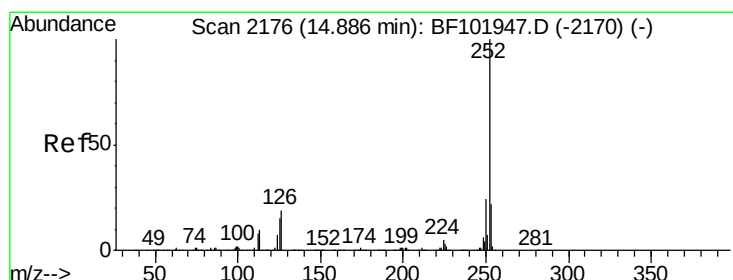
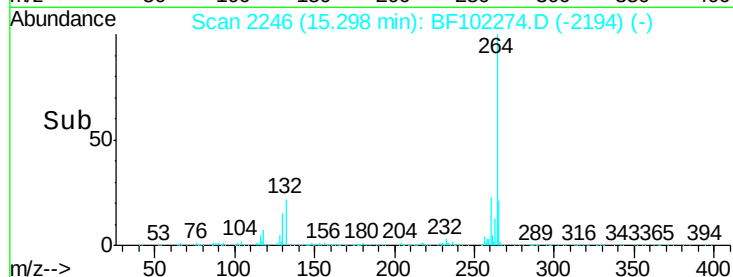
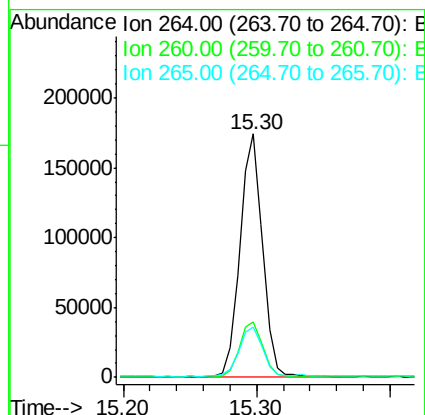
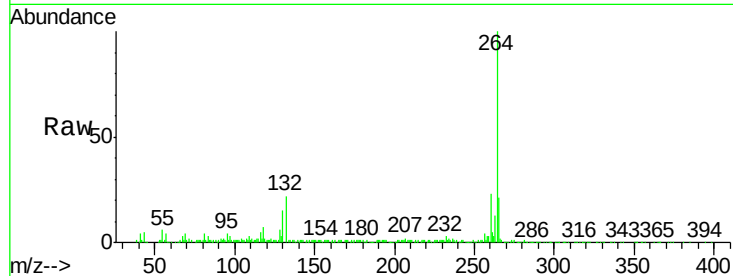
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :
R-4220

Tot Ion:	264	Resp:	204906
Ion Ratio		Lower	Upper
264	100		
260	23.0	19.2	28.8
265	20.9	17.5	26.3

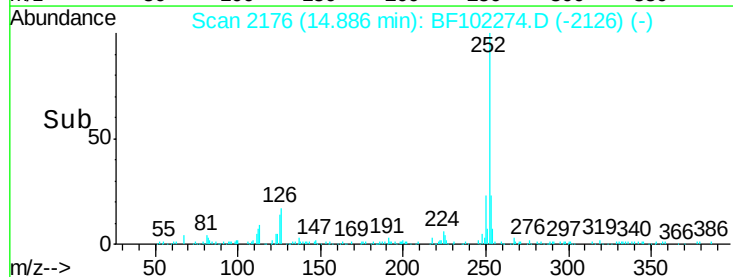
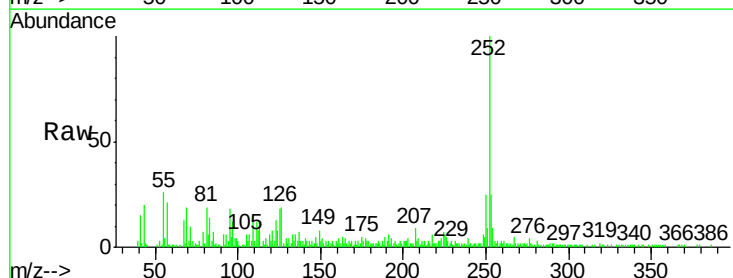
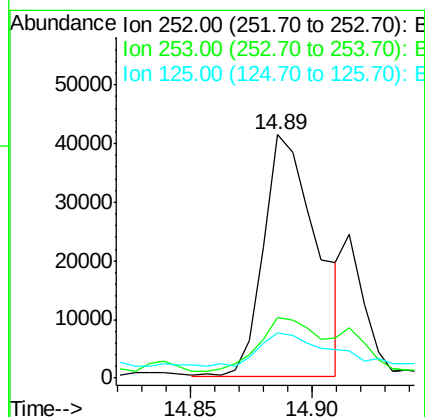
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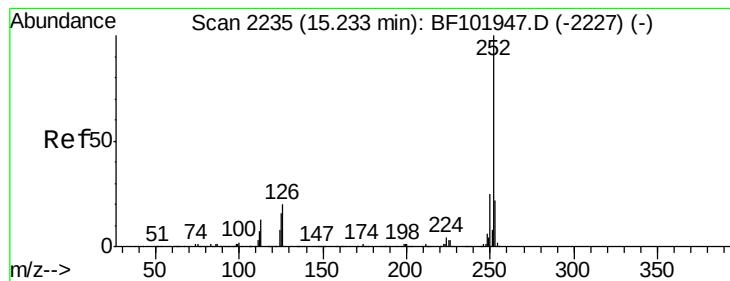
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#87
Benzo(b)fluoranthene
Concen: 4.68 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF102274.D
Acq: 20 Jan 2018 19:02

Tgt Ion:	252	Resp:	62524
Ion Ratio		Lower	Upper
252	100		
253	25.1	17.0	25.6
125	18.4	9.0	13.6#





#89
 Benzo(a)pyrene
 Concen: 2.66 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: BF102274.D
 Acq: 20 Jan 2018 19:02

Instrument :
 BNA_F
 ClientSampleId :
 R-4220

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	19.5	9.8	14.6

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