

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103254.D
 Acq On : 27 Feb 2018 9:01
 Operator : SJ/JU
 Sample : J1691-17DL 25X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B5DL

Manual Integrations
 APPROVED

Sohil
 2/27/2018 12:23:29 PM

Quant Time: Feb 27 10:02:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	119442	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	476291	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	179677	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	280987	20.00	ng	0.00
75) Chrysene-d12	14.05	240	205272	20.00	ng	0.00
86) Perylene-d12	15.54	264	144604	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	29862	3.78	ng	0.01
7) Phenol-d6	6.52	99	37780	3.91	ng	0.01
23) Nitrobenzene-d5	7.45	82	19795	2.37	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	4689	3.08	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	42597	0.77	ng	0.00
78) Terphenyl-d14	12.98	244	33526	3.93	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.95	154	43439	4.065	ng	97
54) Dibenzofuran	10.12	168	55845	3.807	ng	96
57) Fluorene	10.46	166	86678	6.936	ng	98
70) Phenanthrene	11.43	178	627527	40.581	ng	99
71) Anthracene	11.48	178	230960	14.565	ng	99
74) Fluoranthene	12.62	202	724539	46.627	ng	98
77) Pyrene	12.85	202	607198	37.940	ng	100
80) Benzo(a)anthracene	14.04	228	287991	21.623	ng	99
82) Chrysene	14.07	228	233085	18.024	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	88078	8.603	ng	97
87) Benzo(b)fluoranthene	15.10	252	226941m	23.869	ng	
88) Benzo(k)fluoranthene	15.13	252	86338m	9.644	ng	
89) Benzo(a)pyrene	15.48	252	156725	18.459	ng	# 97
90) Dibenzo(a,h)anthracene	17.06	278	26760m	4.079	ng	
91) Benzo(a,h,i)perylene	17.52	276	83413	13.009	ng	91

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

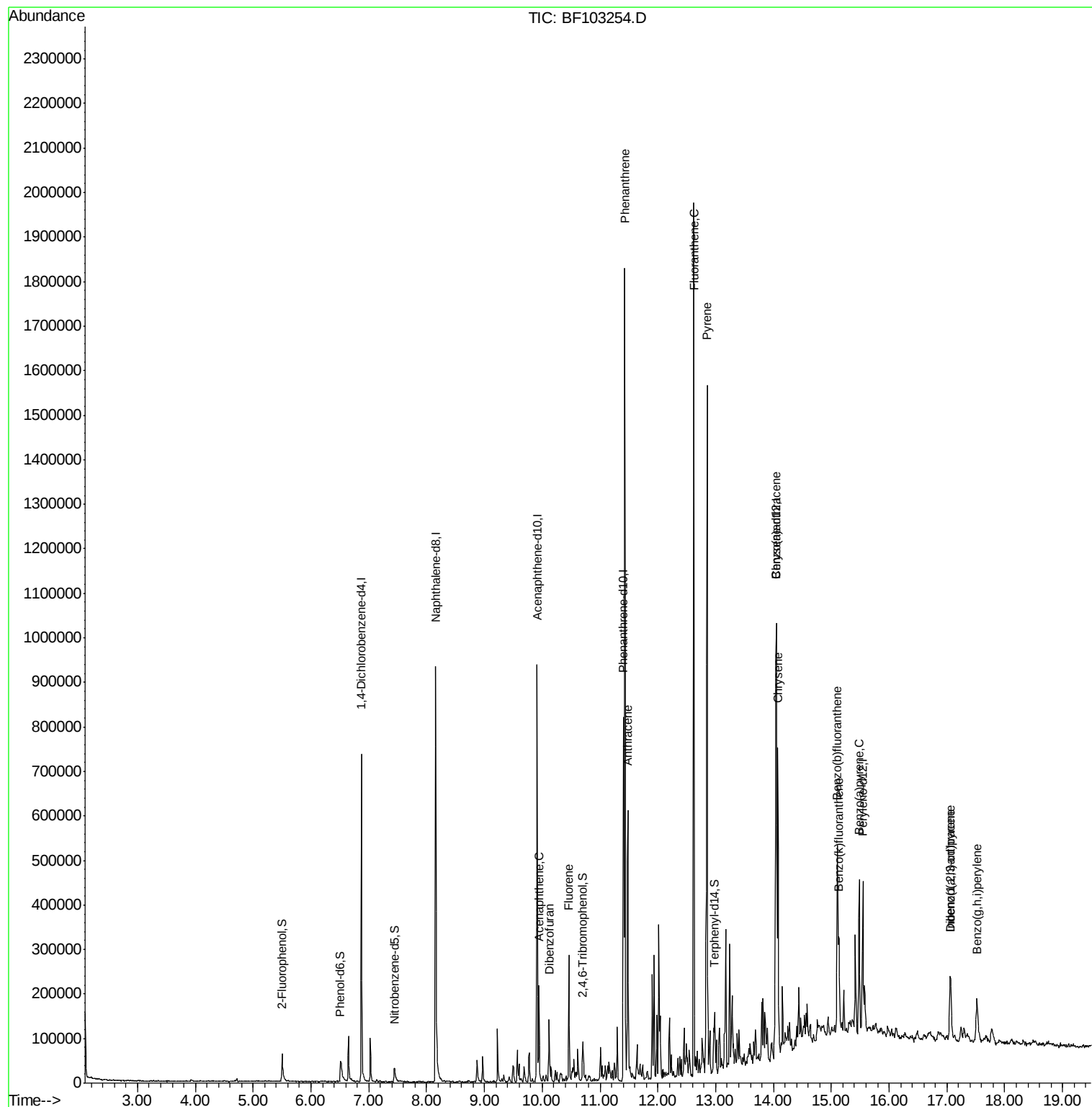
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103254.D
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Sample : J1691-17DL 25X
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#1

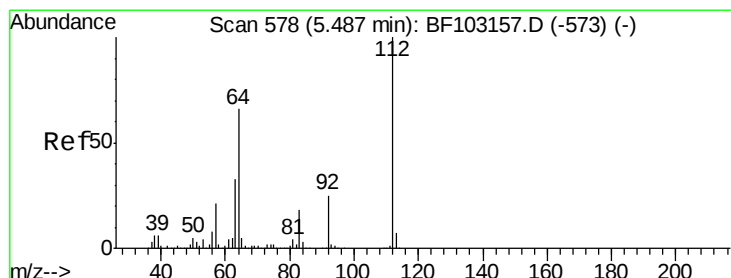
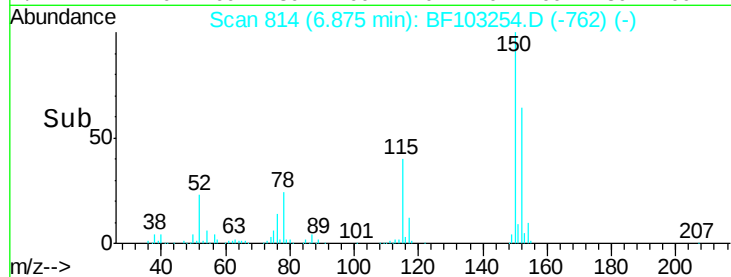
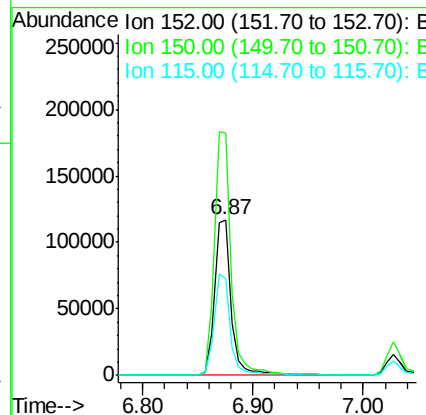
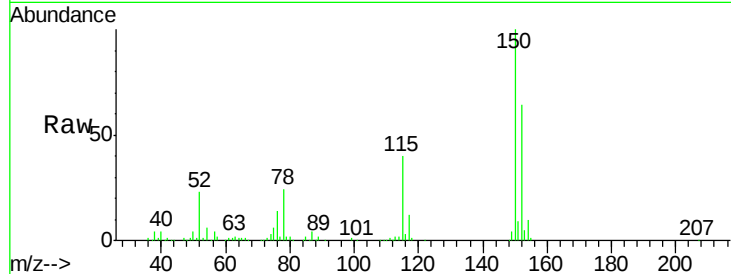
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

Instrument :
BNA_F
ClientSampled :
B5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	62.0	50.1	75.1

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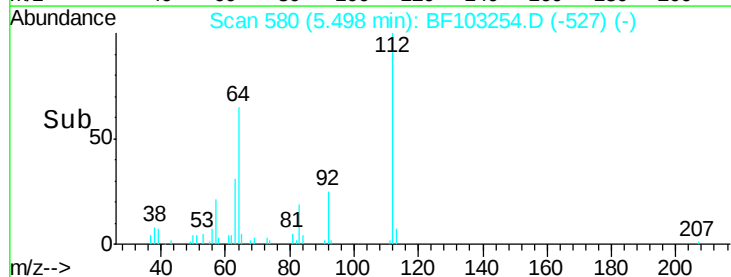
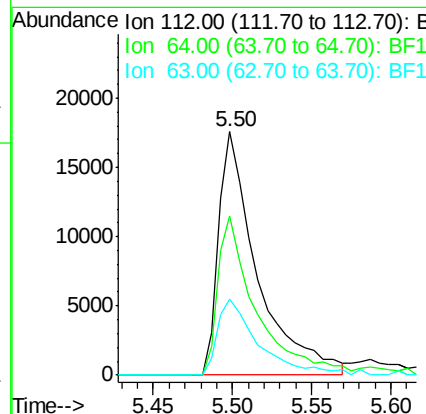
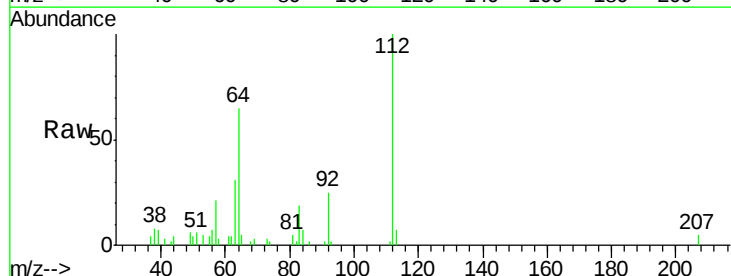
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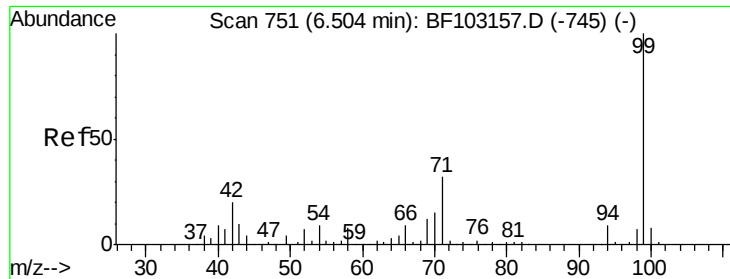


#5

2-Fluorophenol
Concen: 3.781 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 3.910 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Instrument :

BNA_F

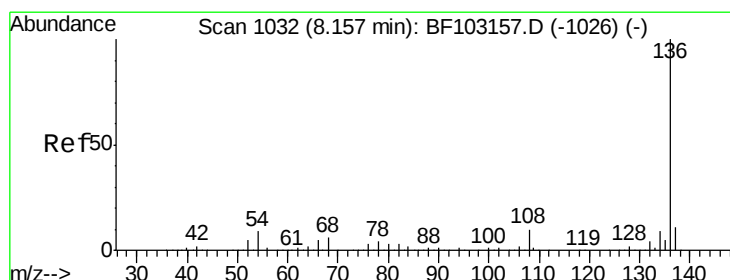
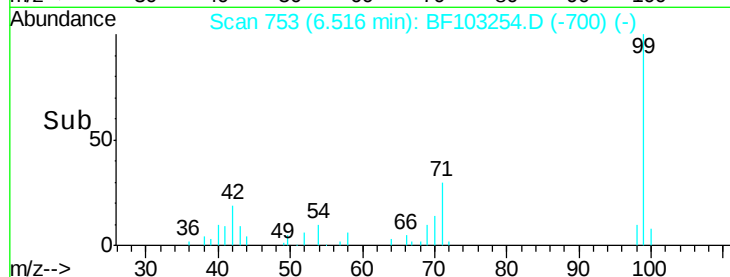
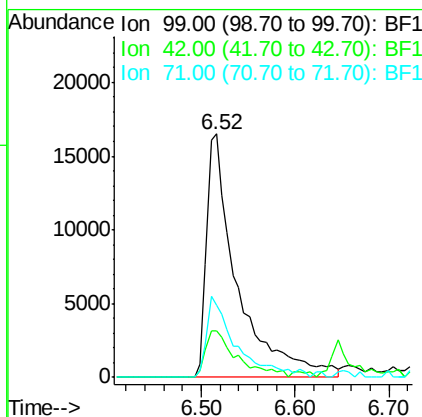
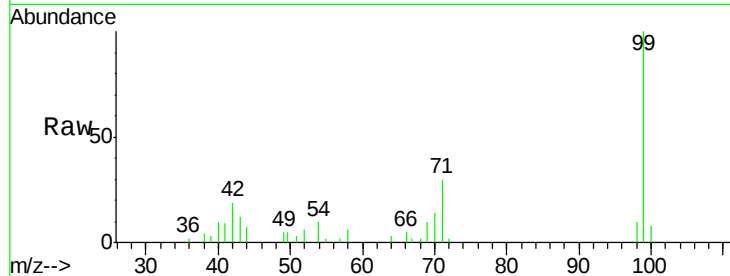
ClientSampled :

B5DL

Tot Ion:	99	Resp:	37780
Ion Ratio	Lower	Upper	
99	100		
42	19.3	14.5	21.7
71	29.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

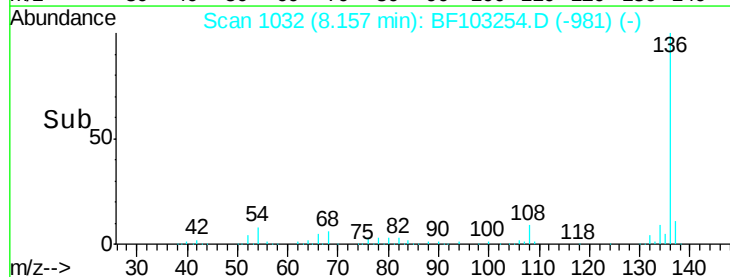
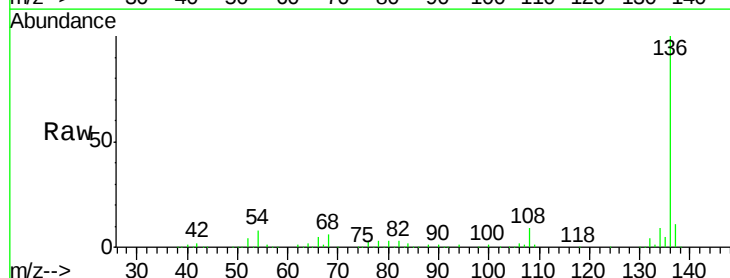
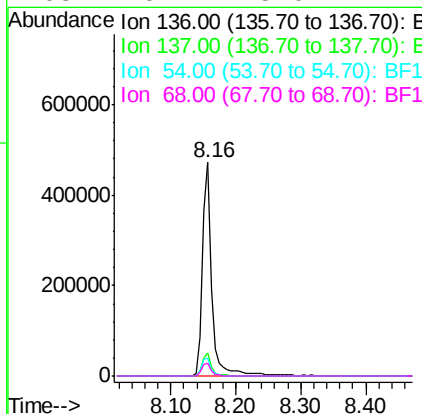
RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Tgt Ion:	136	Resp:	476291
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	8.5	6.6	9.8
68	6.2	5.0	7.4





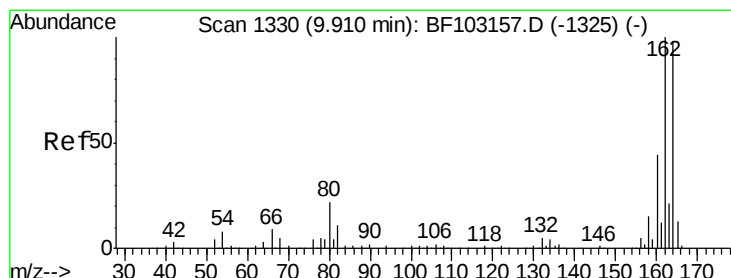
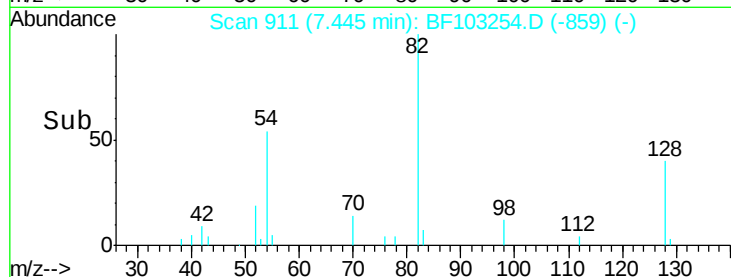
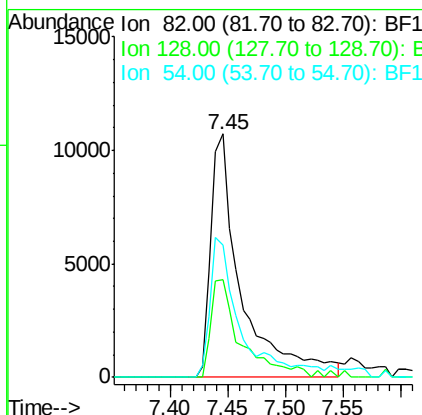
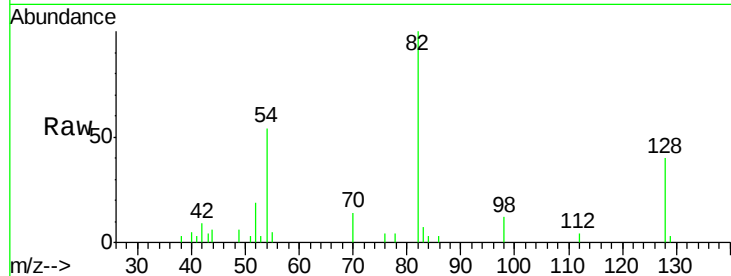
#23
Nitrobenzene-d5
Concen: 2.373 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

Instrument :
BNA_F
ClientSampleID :
B5DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	36.1	54.1
54	54.1	41.4	62.2

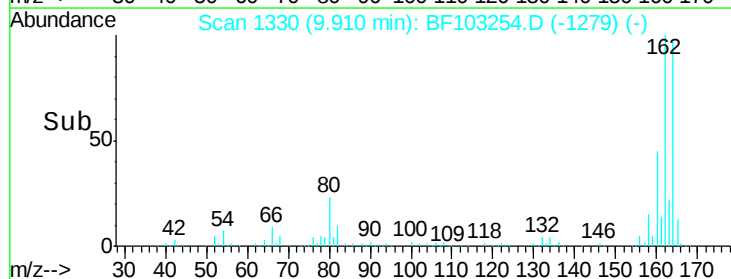
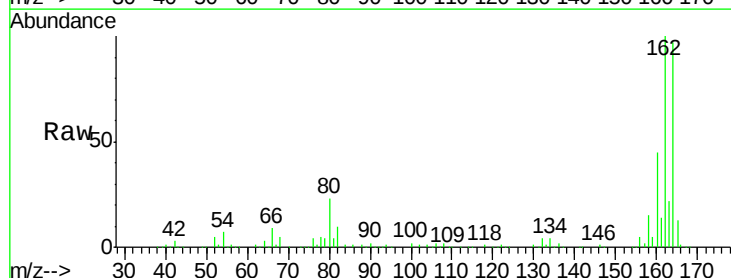
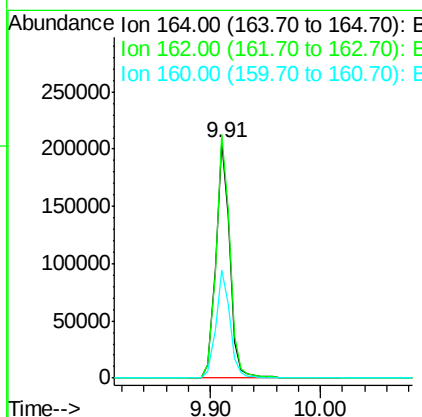
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	46.0	38.3	57.5





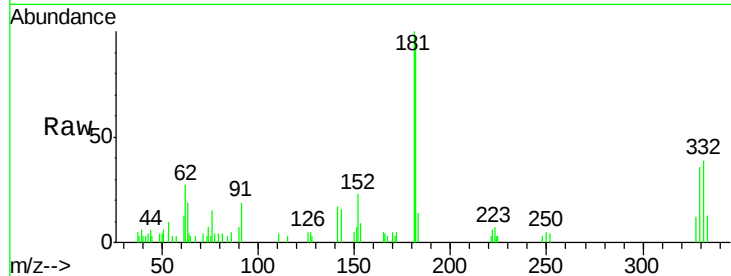
#41
 2,4,6-Tribromophenol
 Concen: 3.083 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103254.D
 Acq: 27 Feb 2018 9:01

Instrument :
 BNA_F
 ClientSampled :
 B5DL

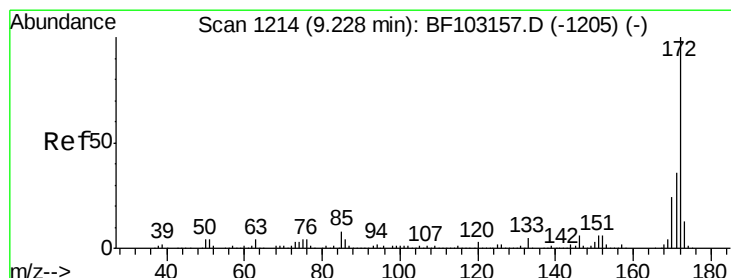
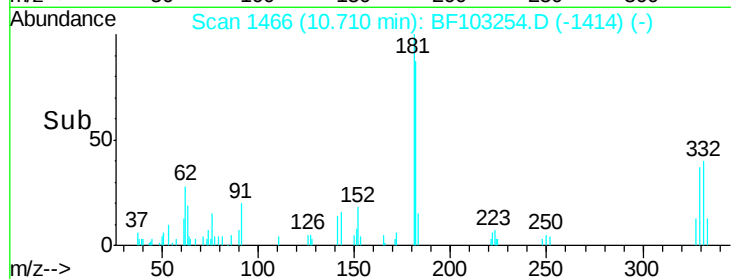
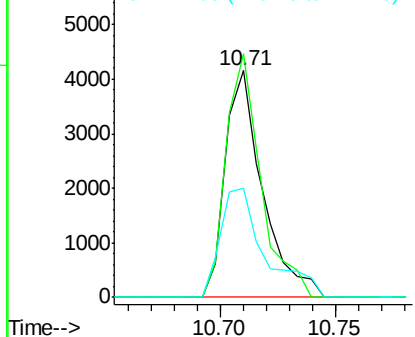
Tot Ion	Ratio	Lower	Upper
330	100		
332	100.1	77.0	115.6
141	57.0	29.9	44.9

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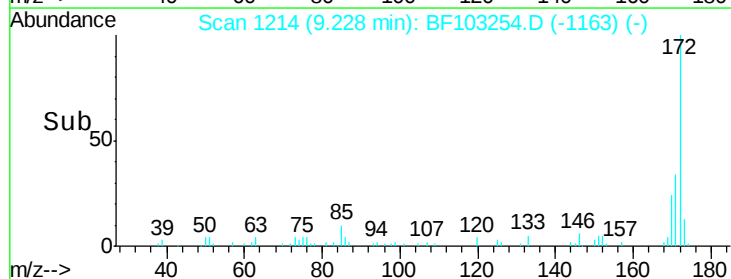
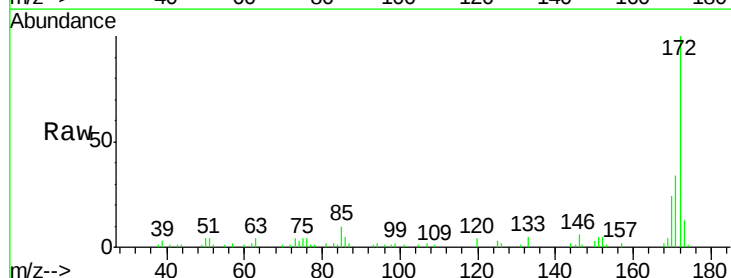
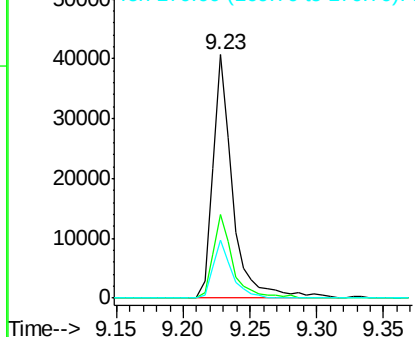
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

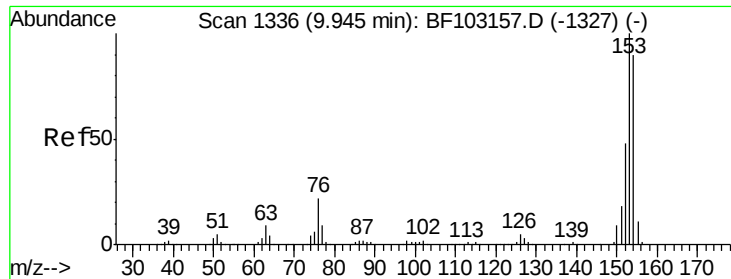


#44
 2-Fluorobiphenyl
 Concen: 0.775 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103254.D
 Acq: 27 Feb 2018 9:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.7	44.5
170	24.0	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





#51

Acenaphthene

Concen: 4.065 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Instrument :

BNA_F

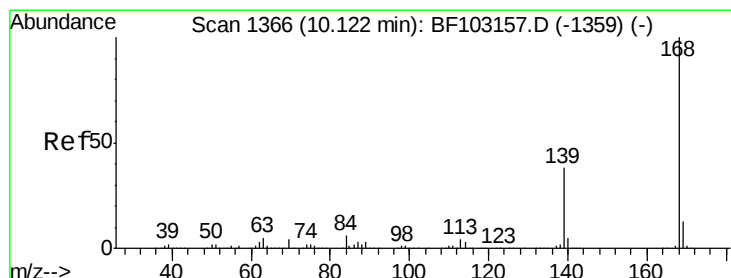
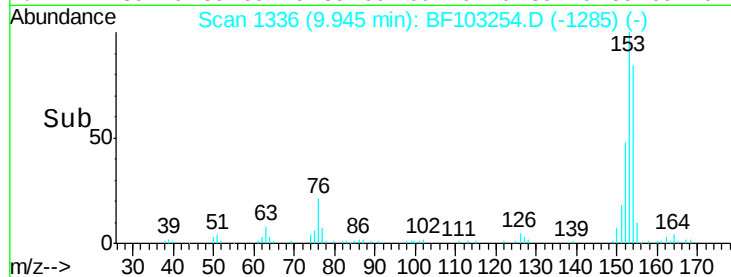
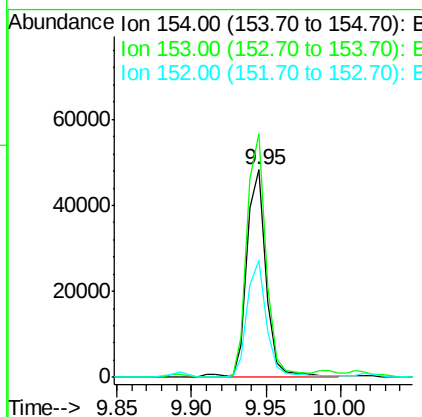
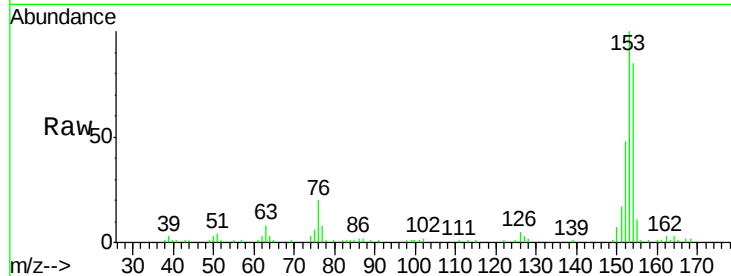
ClientSampled :

B5DL

Tot Ion:	154	Resp:	43439
Ion Ratio	Lower	Upper	
154	100		
153	117.4	91.2	136.8
152	56.6	43.8	65.8

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#54

Dibenzofuran

Concen: 3.807 ng

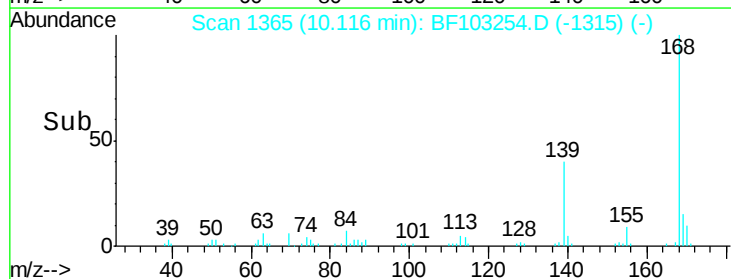
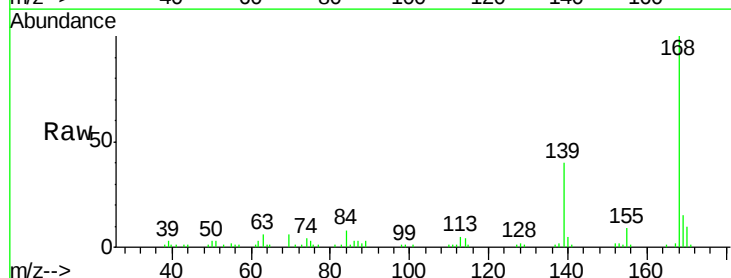
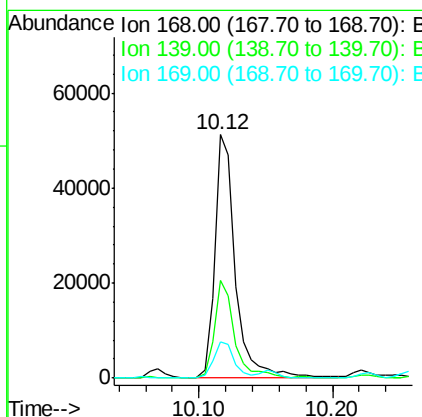
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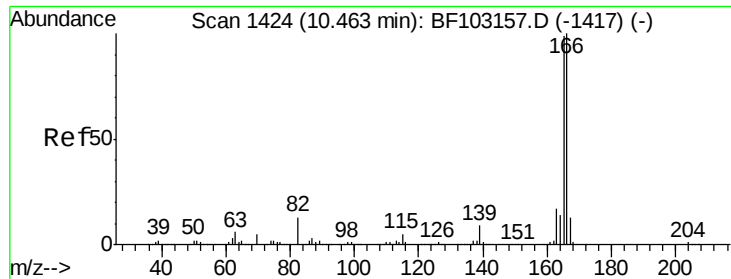
Delta R.T. -0.01 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Tgt Ion:	168	Resp:	55845
Ion Ratio	Lower	Upper	
168	100		
139	40.1	30.1	45.1
169	14.9	10.9	16.3





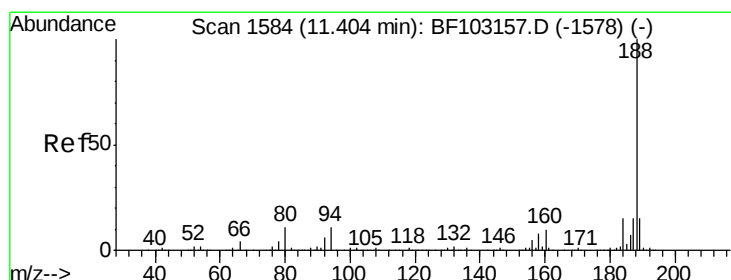
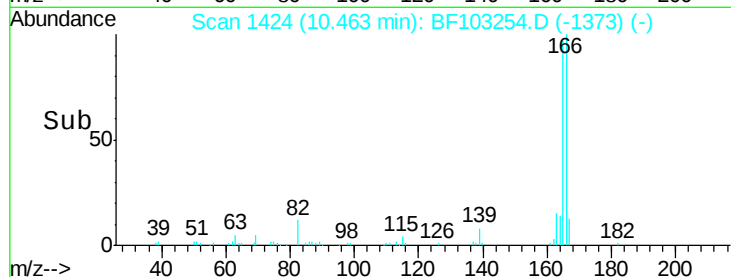
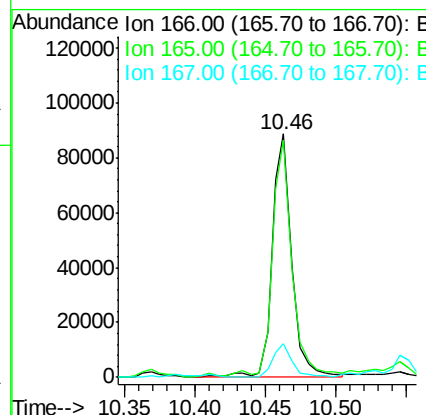
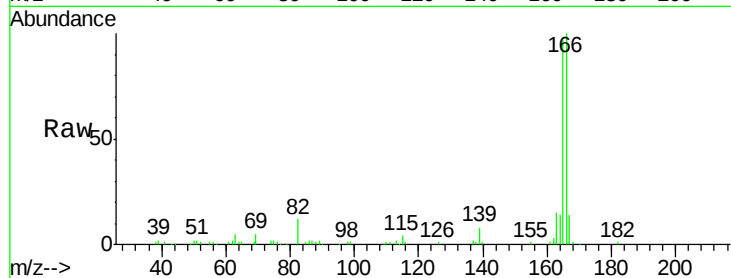
#57
Fluorene
 Concen: 6.936 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF103254.D
 Acq: 27 Feb 2018 9:01

Instrument :
 BNA_F
 ClientSampleId :
 B5DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.8	119.8
167	13.9	10.6	16.0

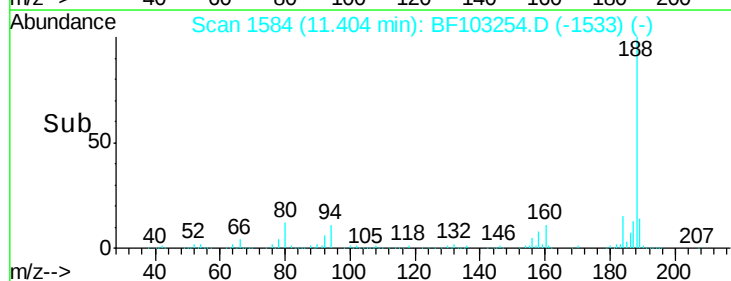
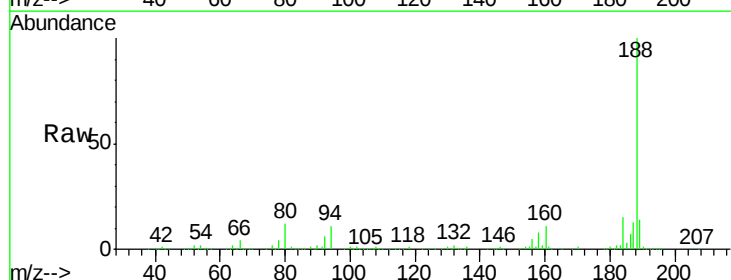
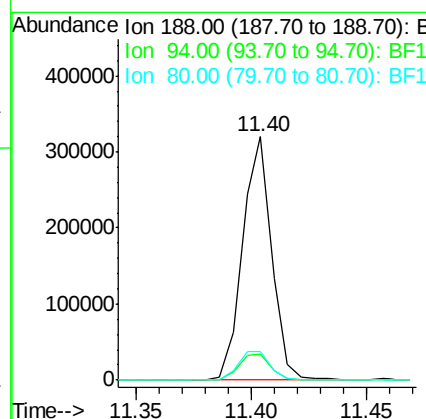
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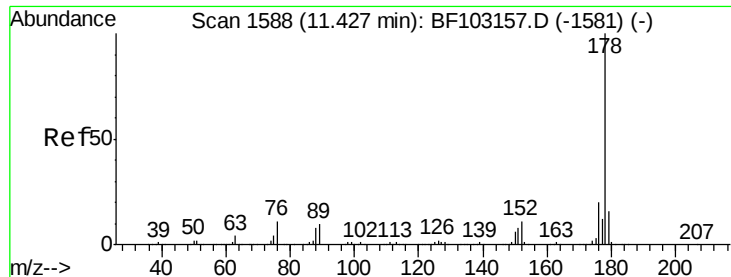
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103254.D
 Acq: 27 Feb 2018 9:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.5	9.2	13.8





#70

Phenanthrene

Concen: 40.581 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Instrument :

BNA_F

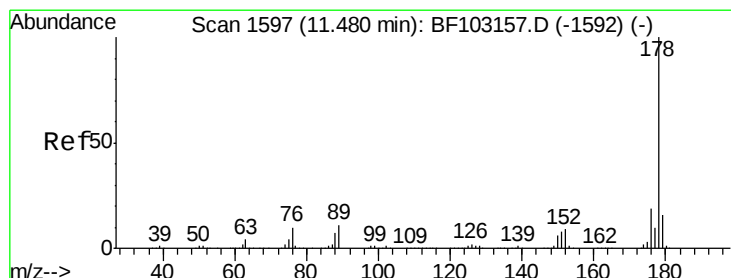
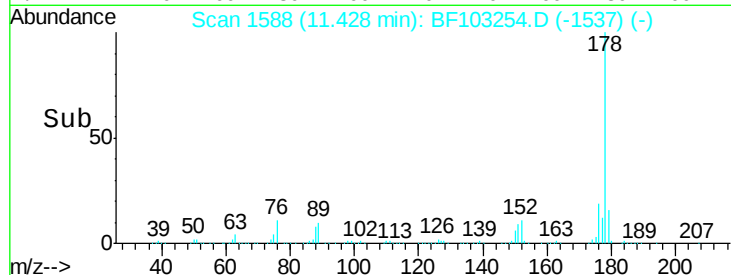
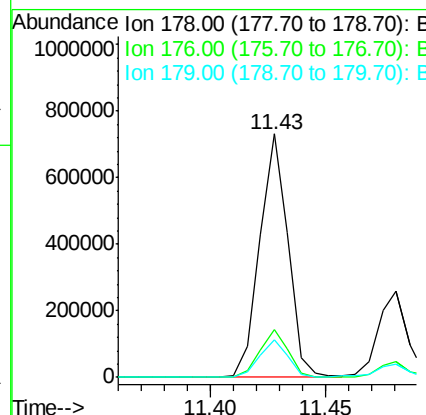
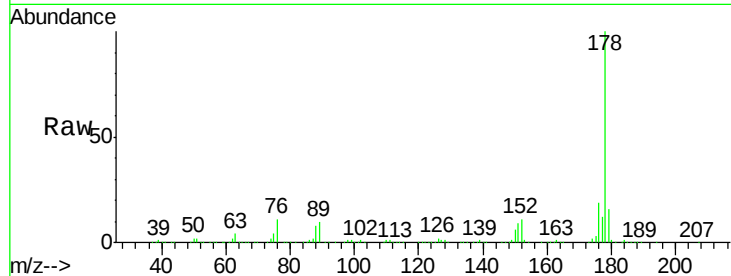
ClientSampled :

B5DL

Tot Ion:	178	Resp:	627527
Ion Ratio		Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.5	13.0	19.6

Manual Integrations
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#71

Anthracene

Concen: 14.565 ng

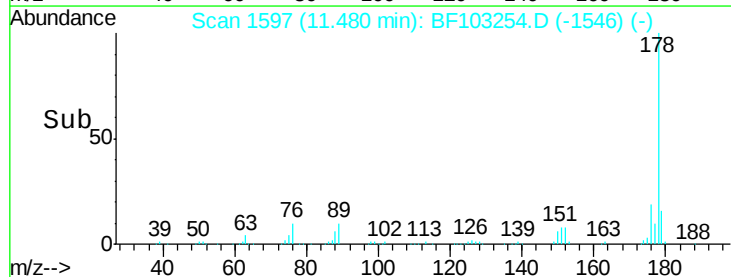
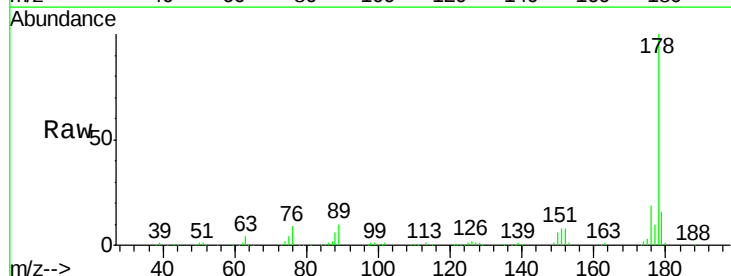
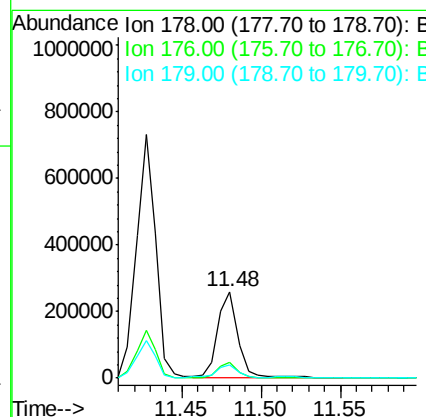
RT: 11.48 min Scan# 1597

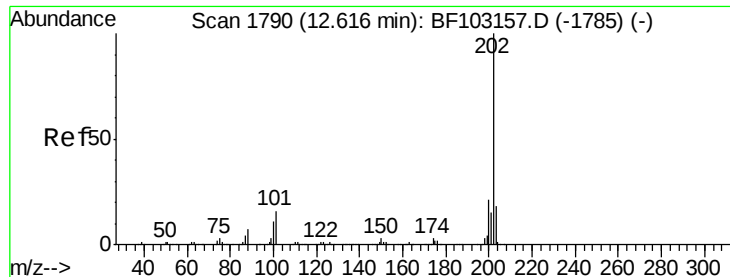
Delta R.T. 0.00 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Tgt Ion:	178	Resp:	230960
Ion Ratio		Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.7	12.6	19.0





#74

Fluoranthene

Concen: 46.627 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Instrument :

BNA_F

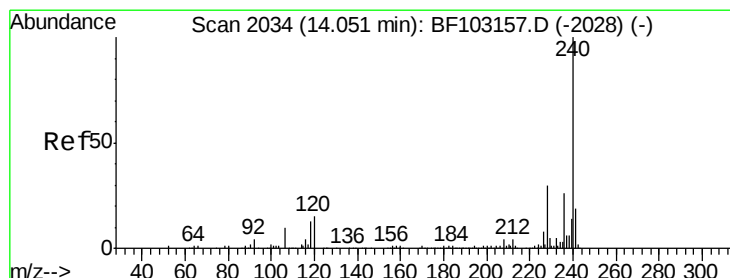
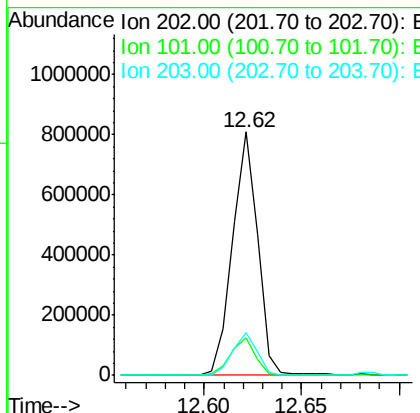
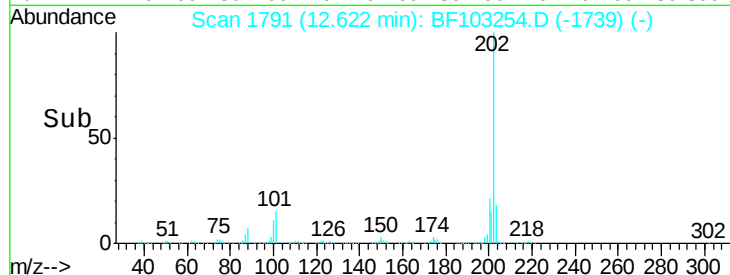
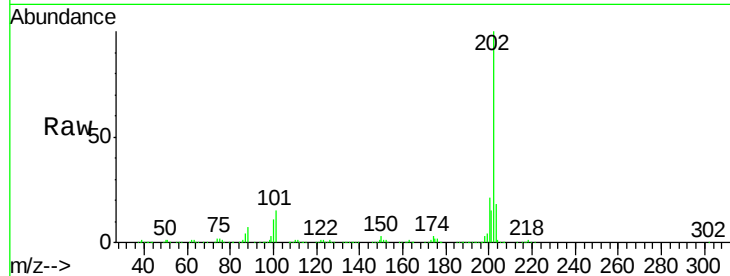
ClientSampleId :

B5DL

Tot Ion:	202	Resp:	724539
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

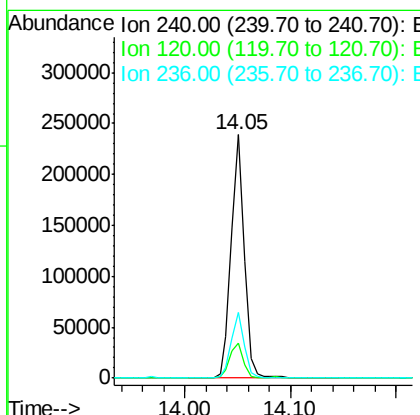
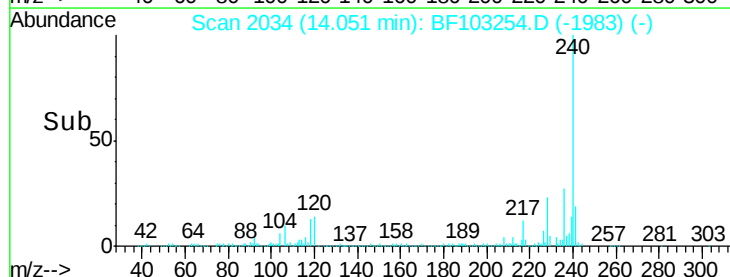
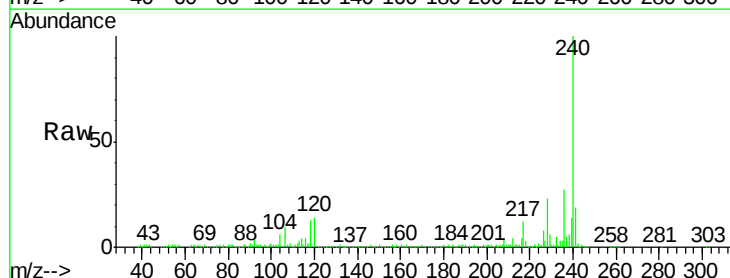
RT: 14.05 min Scan# 2034

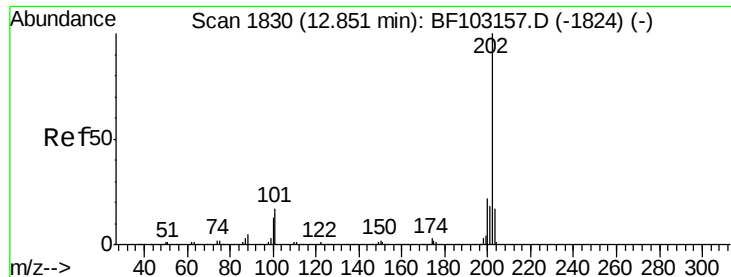
Delta R.T. 0.00 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Tgt Ion:	240	Resp:	205272
Ion Ratio	Lower	Upper	
240	100		
120	14.3	9.5	14.3
236	26.8	20.7	31.1





#77

Pvrene

Concen: 37.940 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Instrument :

BNA_F

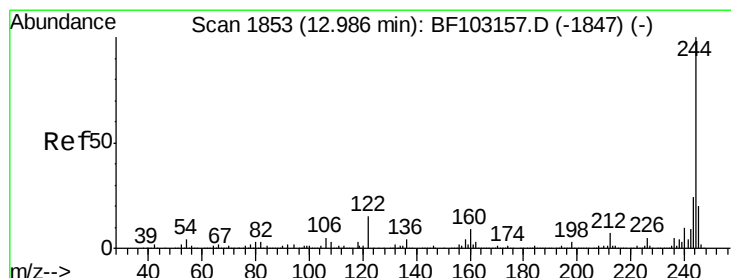
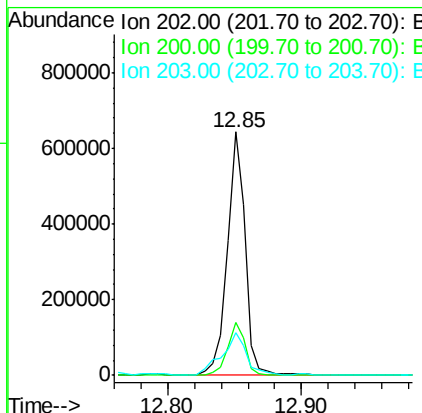
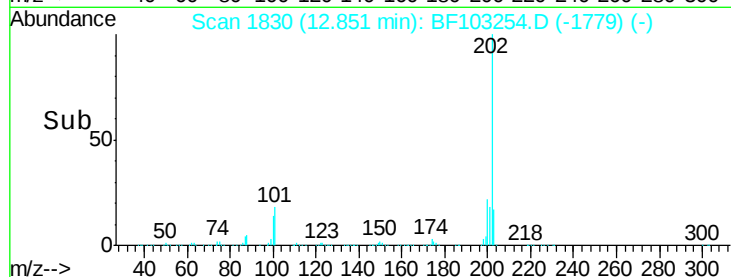
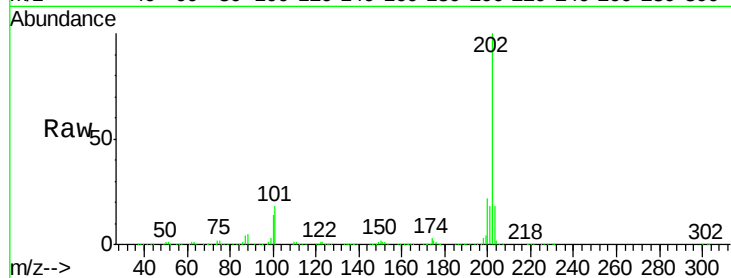
ClientSampleId :

B5DL

Tot Ion:	202	Resp:	607198
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.6	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 3.926 ng

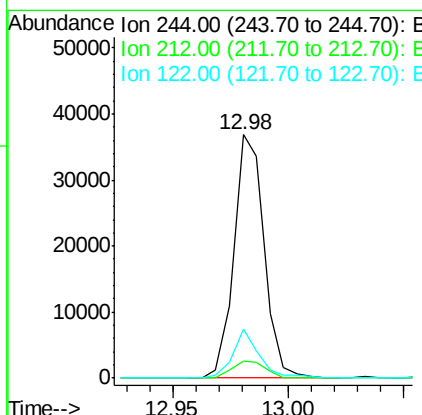
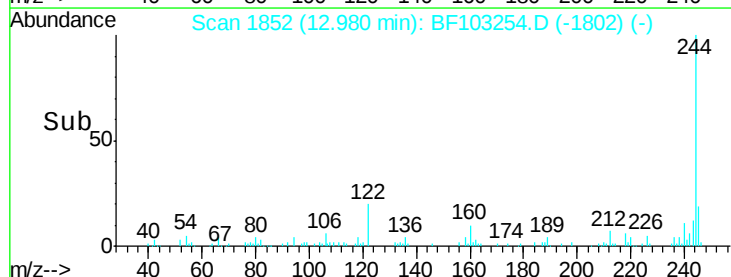
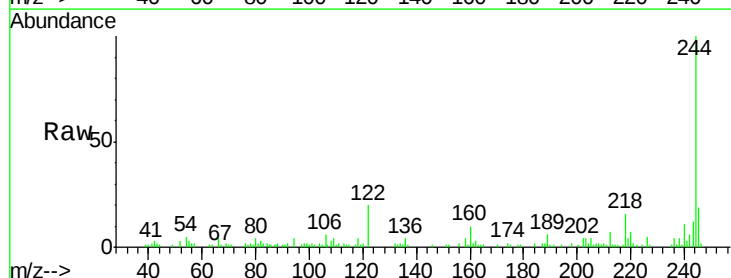
RT: 12.98 min Scan# 1852

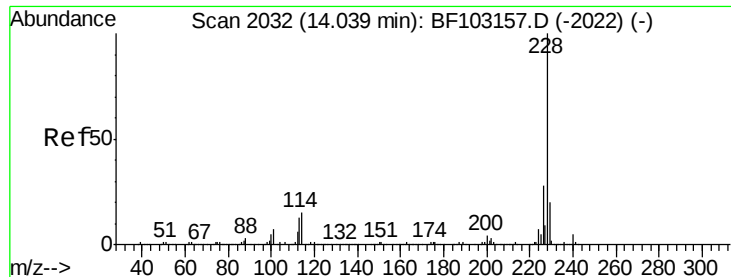
Delta R.T. -0.01 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Tgt Ion:	244	Resp:	33526
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	20.0	11.0	16.4#





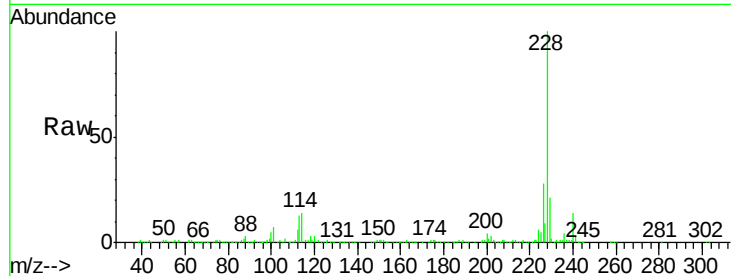
#80
Benzo(a)anthracene
Concen: 21.623 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

Instrument :
BNA_F
ClientSampleId :
B5DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	21.0	15.8	23.6

Manual Integrations
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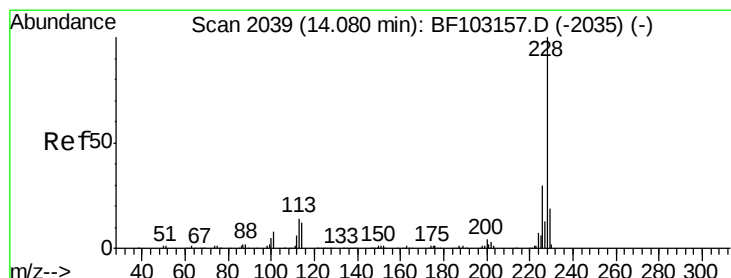
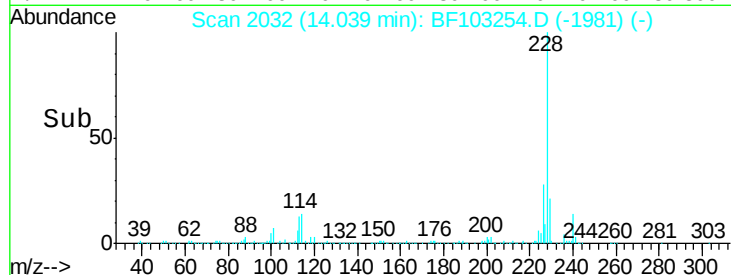
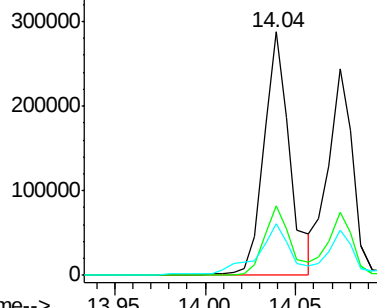


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 18.024 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

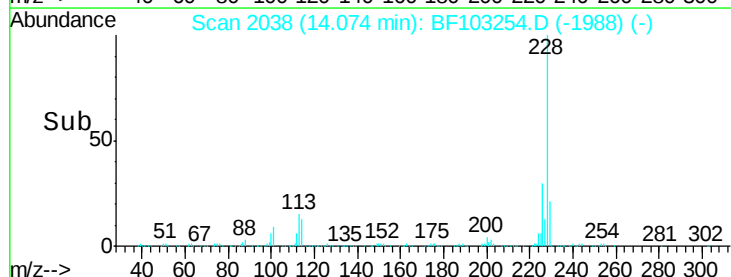
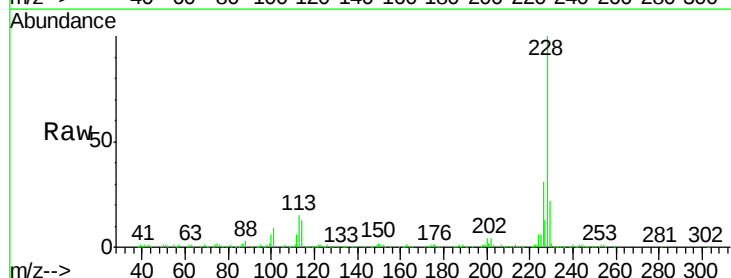
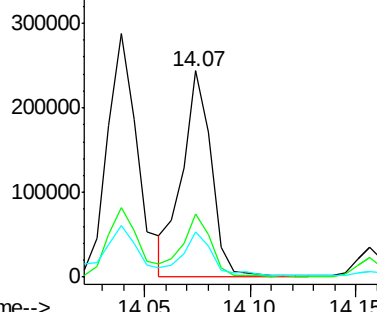
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.0	16.2	24.4

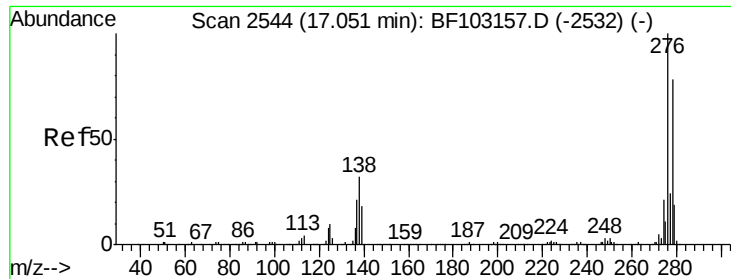
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





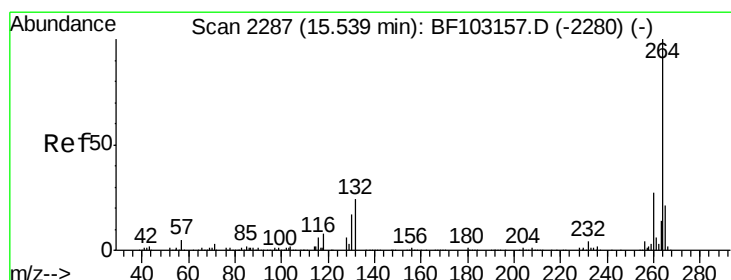
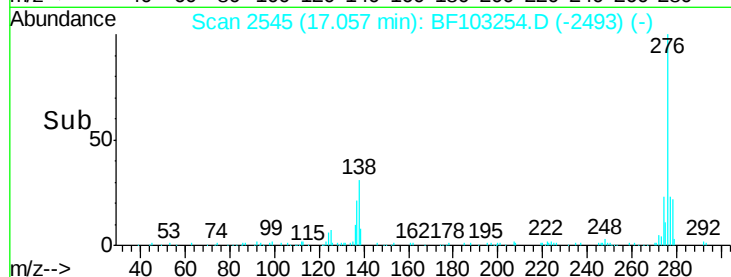
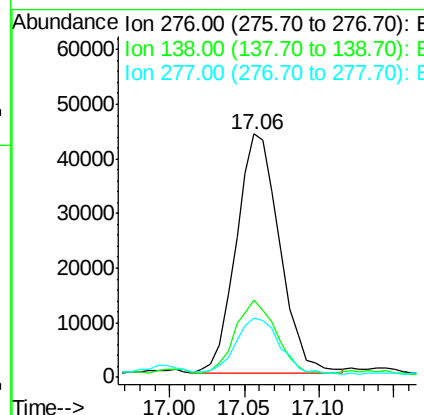
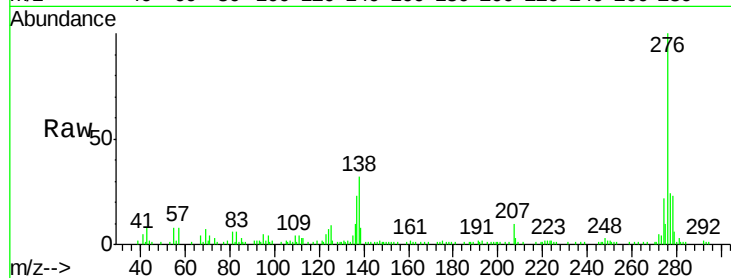
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.603 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

Instrument :
BNA_F
ClientSampleId :
B5DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.0	37.6
277	24.3	20.1	30.1

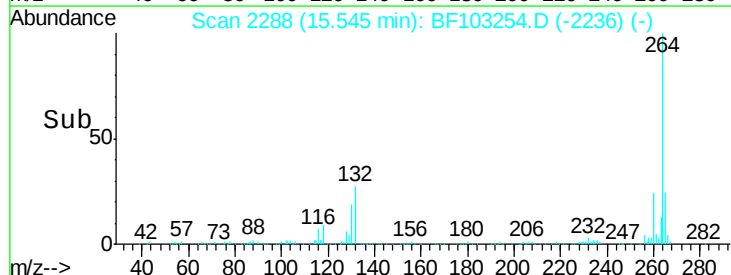
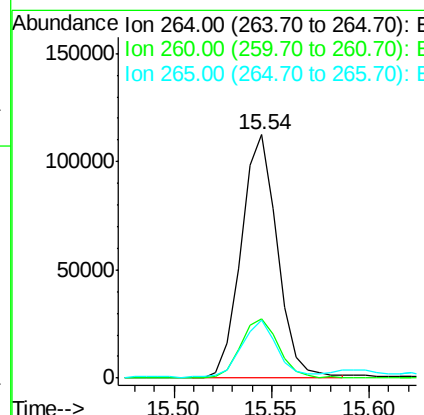
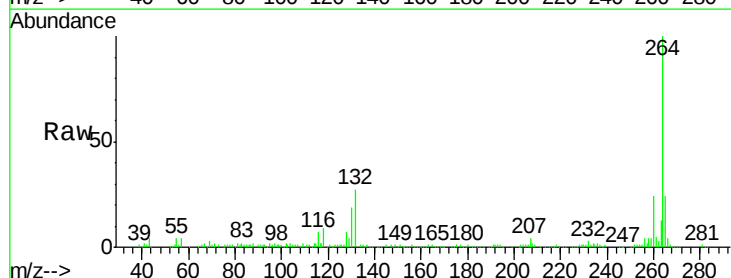
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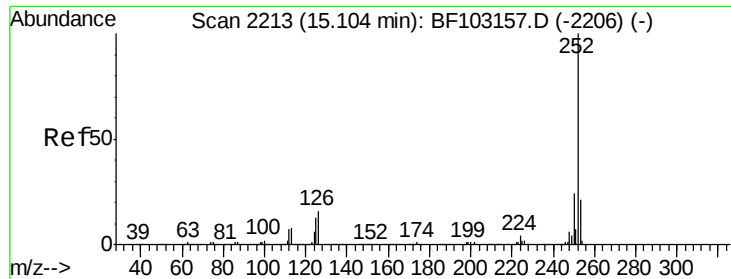
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	24.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 23.869 ng m

RT: 15.10 min Scan# 2213

Delta R.T. 0.00 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Instrument :

BNA_F

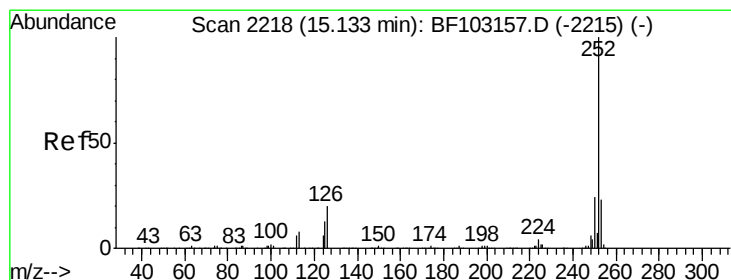
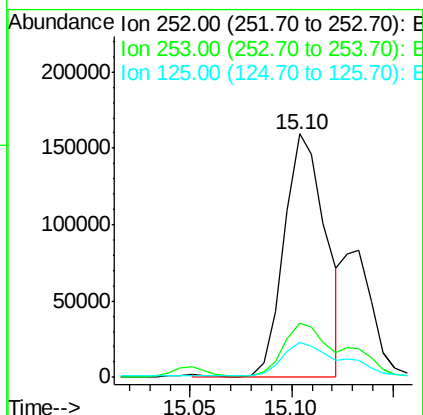
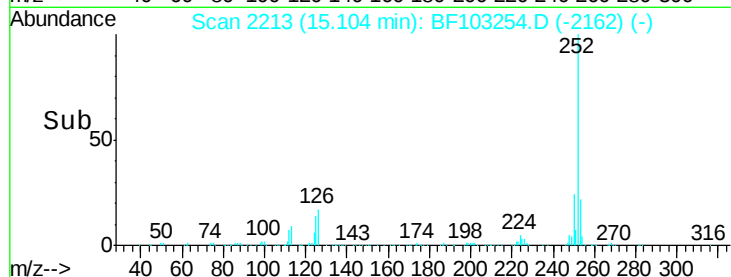
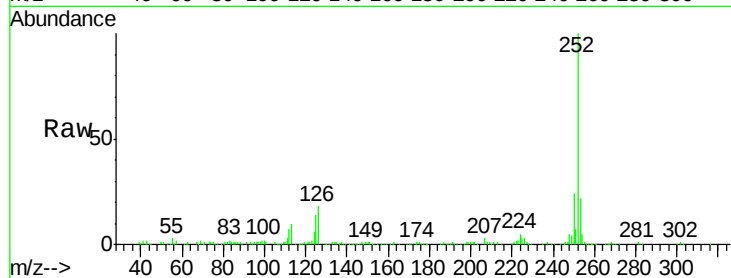
ClientSampled :

B5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	14.3	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 9.644 ng m

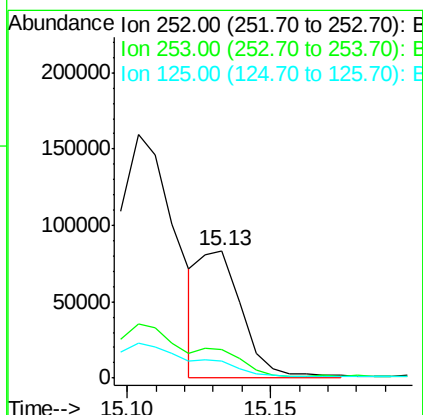
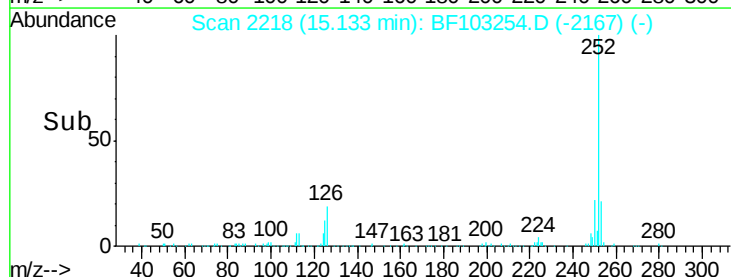
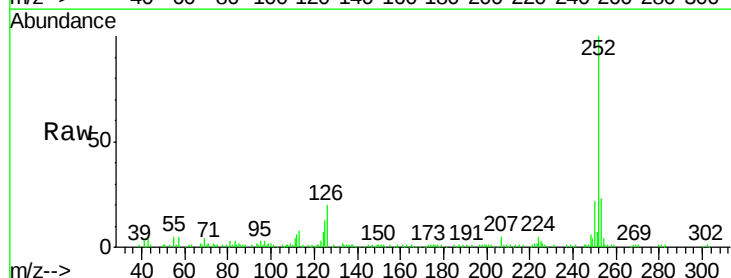
RT: 15.13 min Scan# 2218

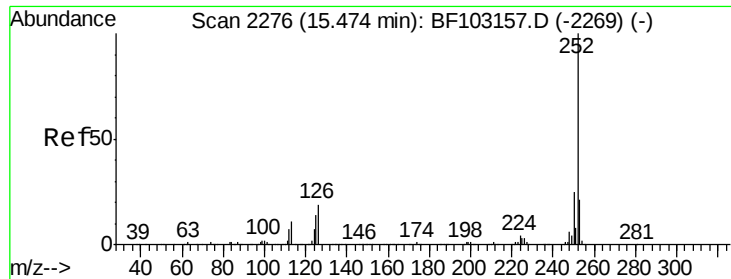
Delta R.T. 0.00 min

Lab File: BF103254.D

Acq: 27 Feb 2018 9:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.2	10.2	15.2





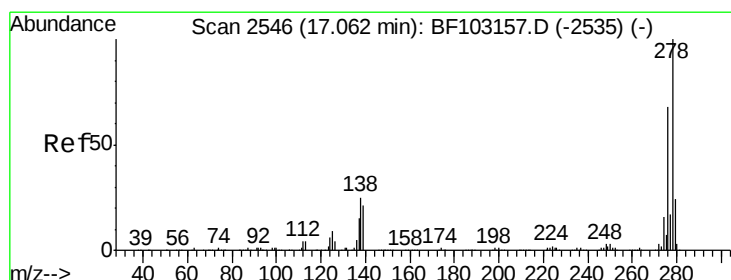
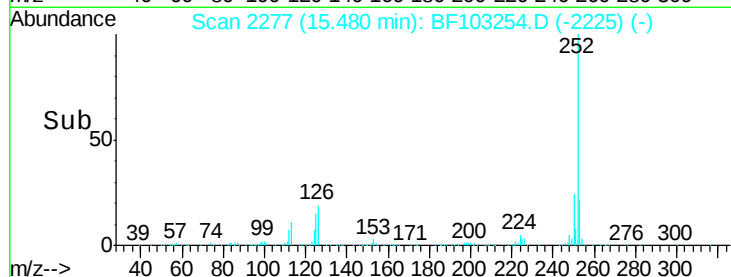
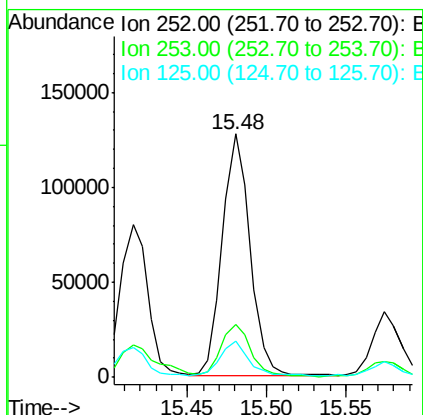
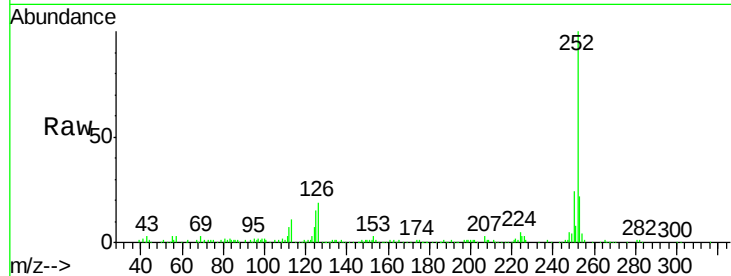
#89
Benzo(a)pyrene
Concen: 18.459 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

Instrument :
BNA_F
ClientSampleId :
B5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	15.1	9.8	14.6

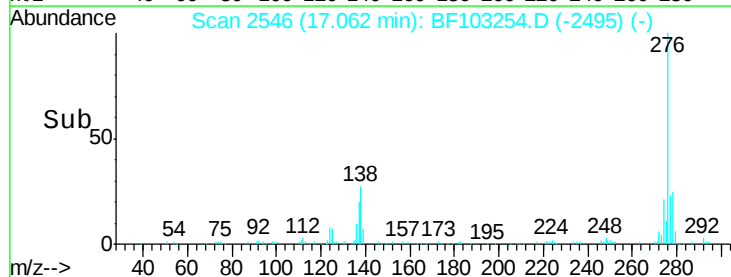
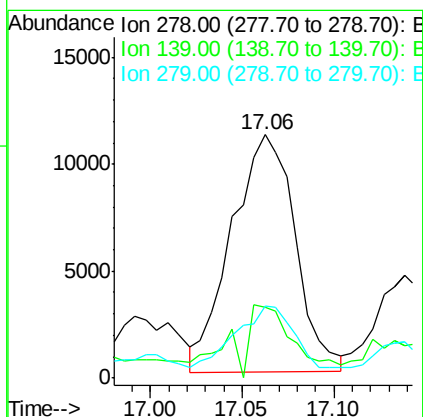
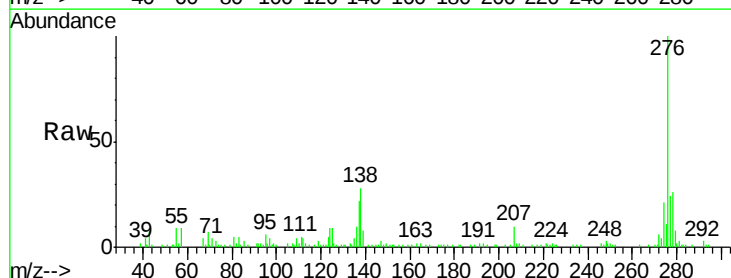
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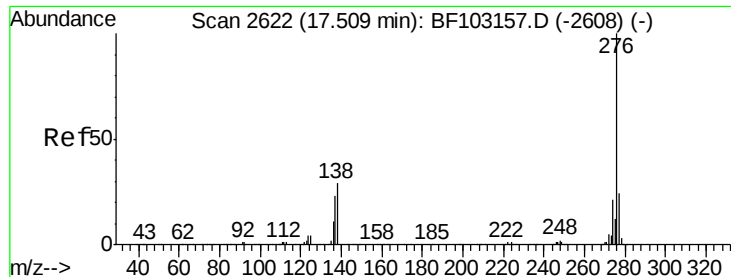
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#90
Dibenzo(a,h)anthracene
Concen: 4.079 ng m
RT: 17.06 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BF103254.D
Acq: 27 Feb 2018 9:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.2	15.9	23.9
279	29.5	19.0	28.4





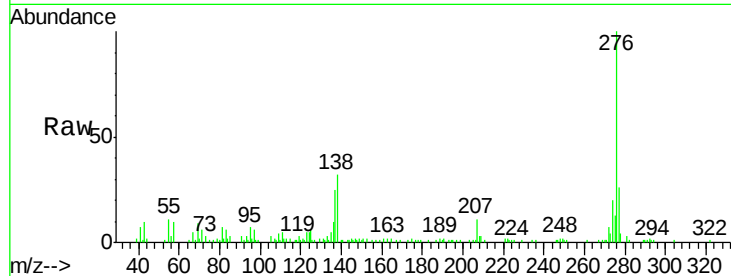
#91
 Benzo(a,h,i)perylene
 Concen: 13.009 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: BF103254.D
 Acq: 27 Feb 2018 9:01

Instrument :
 BNA_F
 ClientSampleId :
 B5DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	32.1	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

