

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103522.D
 Acq On : 8 Mar 2018 17:48
 Operator : SJ/JU
 Sample : J1819-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Manual Integrations
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Sohil
 3/9/2018 11:39:28 AM

Quant Time: Mar 09 00:28:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	141999	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	579353	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	231462	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	317712	20.00	ng	0.00
75) Chrysene-d12	14.07	240	208229	20.00	ng	0.00
86) Perylene-d12	15.58	264	191003	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	783554	83.46	ng	0.01
7) Phenol-d6	6.52	99	1054740	91.81	ng	0.01
23) Nitrobenzene-d5	7.43	82	648997	63.97	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	142365	72.66	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	891642	62.16	ng	0.00
78) Terphenyl-d14	12.99	244	518262	59.83	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.94	154	189801	13.787	ng	98
54) Dibenzofuran	10.12	168	73998	3.916	ng	98
57) Fluorene	10.46	166	43191	2.683	ng	# 94
70) Phenanthrene	11.43	178	244688	13.994	ng	99
71) Anthracene	11.48	178	224987	12.548	ng	98
73) Di-n-butylphthalate	11.95	149	240867	10.781	ng	99
74) Fluoranthene	12.64	202	821303	46.744	ng	99
77) Pyrene	12.86	202	767591	47.281	ng	99
80) Benzo(a)anthracene	14.06	228	320848m	23.748	ng	
82) Chrysene	14.09	228	320234m	24.411	ng	
83) Bis(2-ethylhexyl)phthalate	14.01	149	257350	22.233	ng	100
85) Indeno(1,2,3-cd)pyrene	17.12	276	140763	13.554	ng	92
87) Benzo(b)fluoranthene	15.13	252	350560m	27.915	ng	
88) Benzo(k)fluoranthene	15.16	252	112569m	9.519	ng	
89) Benzo(a)pyrene	15.52	252	241659	21.549	ng	# 90
90) Dibenzo(a,h)anthracene	17.12	278	33714	3.891	ng	# 68
91) Benzo(a,h,i)perylene	17.60	276	130614	15.422	ng	91

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

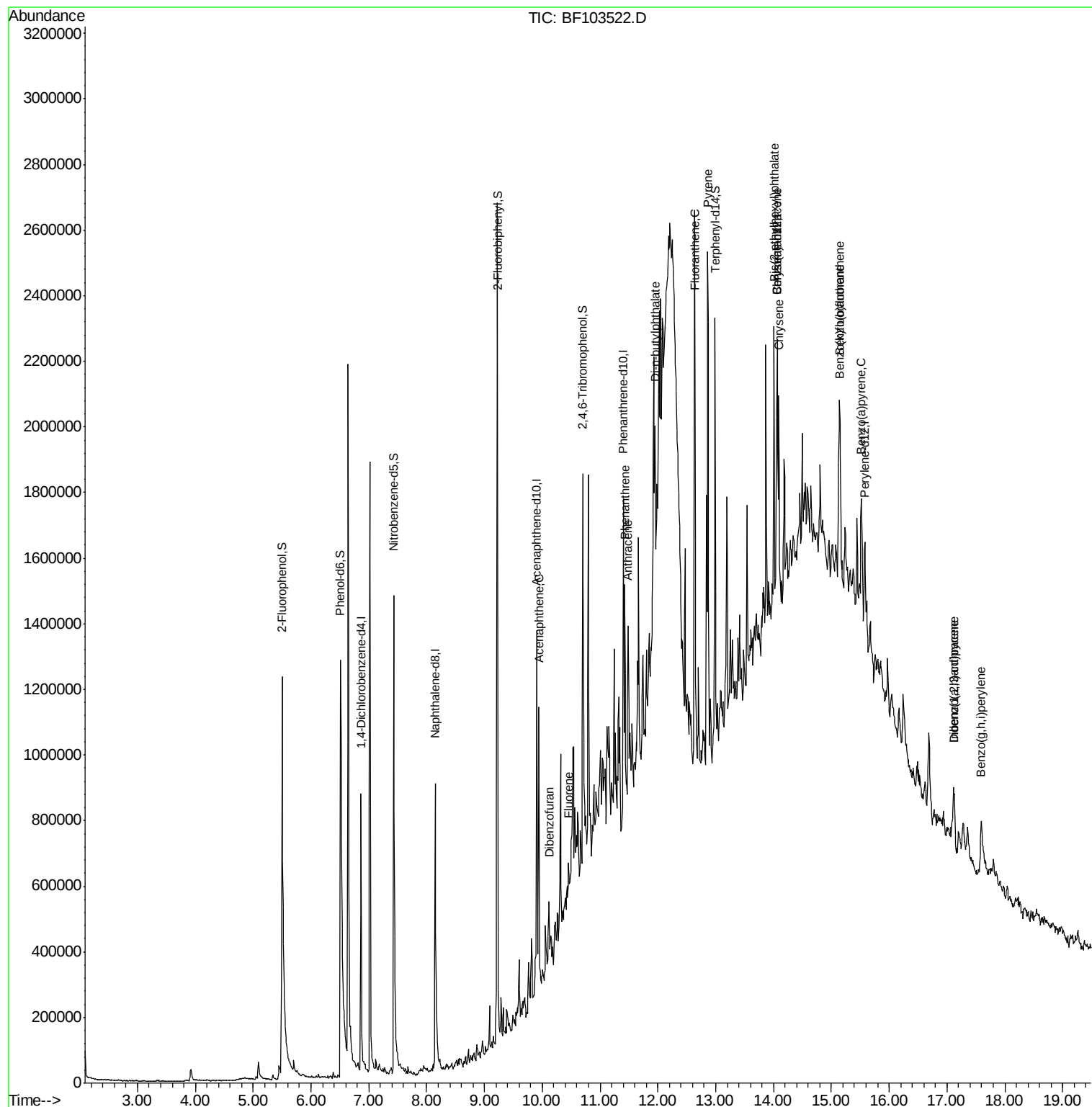
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103522.D
Acq On : 8 Mar 2018 17:48
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TP-9

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#1

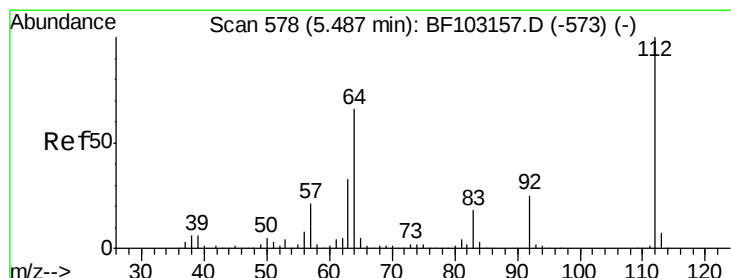
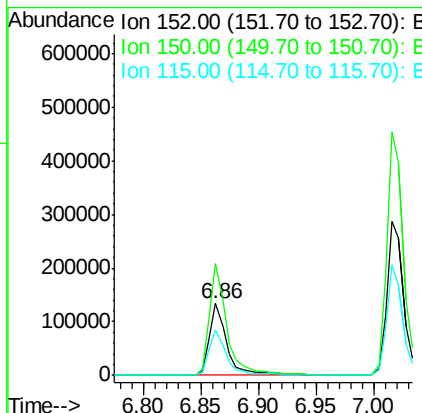
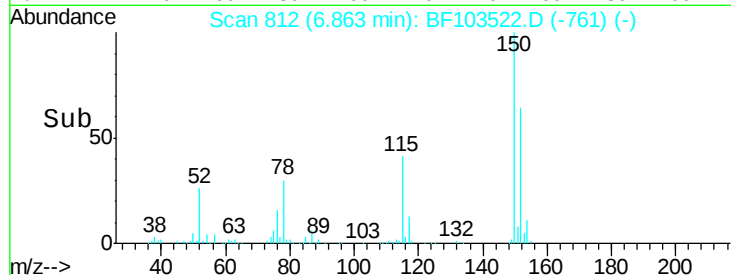
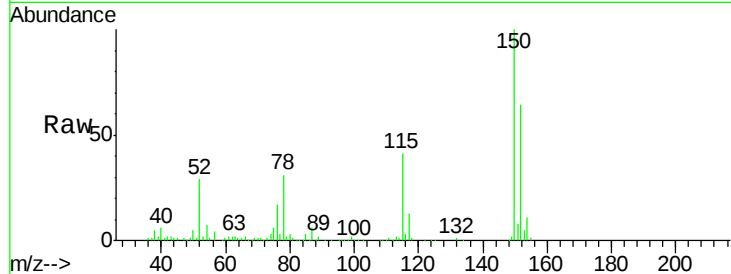
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	63.9	50.1	75.1

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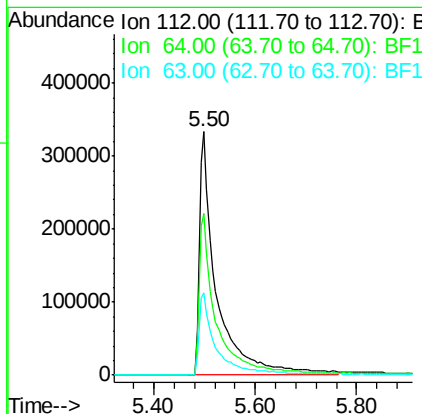
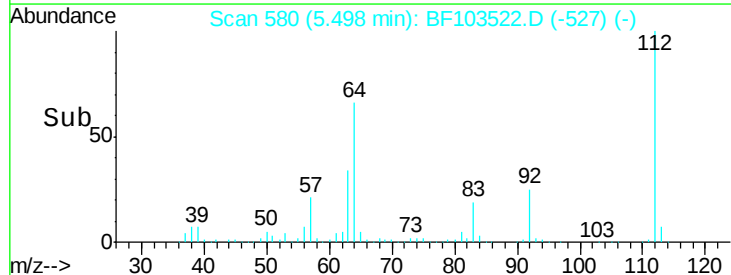
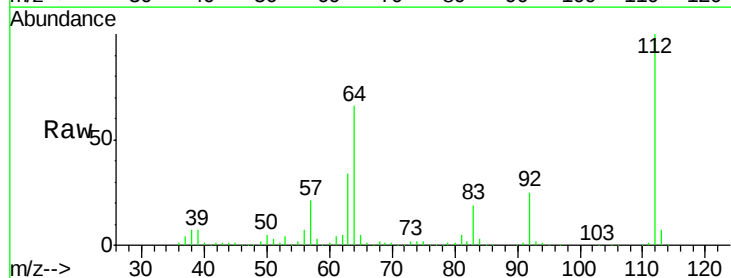
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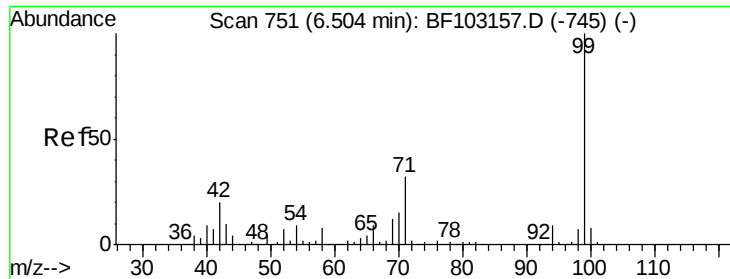


#5

2-Fluorophenol
Concen: 83.456 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	33.9	23.7	35.5





#7

Phenol-d6

Concen: 91.807 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

Instrument :

BNA_F

ClientSampled :

TP-9

Tot Ion: 99 Resp: 1054740

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

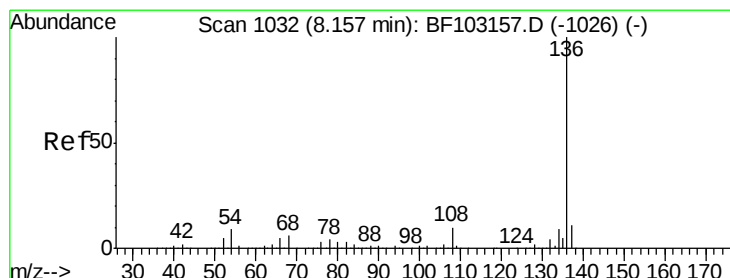
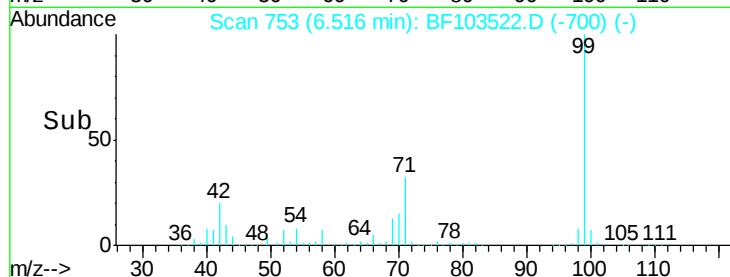
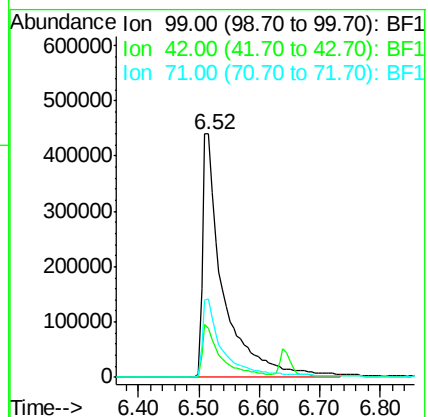
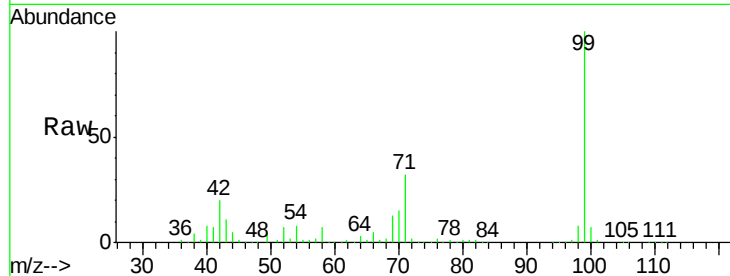
71 32.3 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

Tgt Ion: 136 Resp: 579353

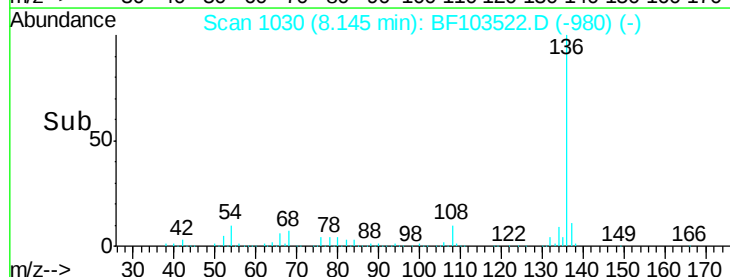
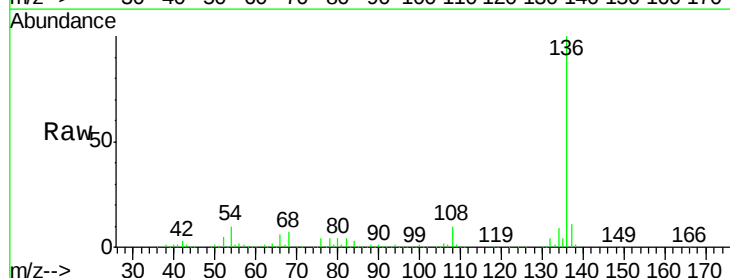
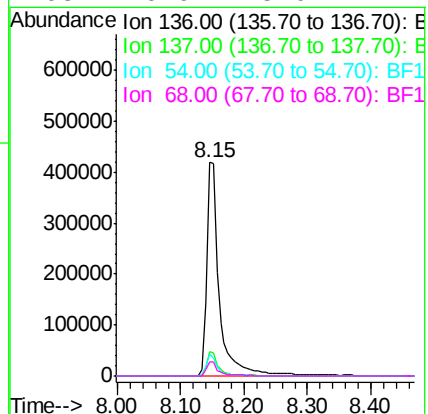
Ion Ratio Lower Upper

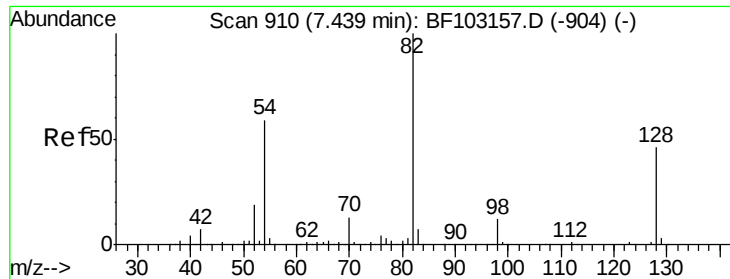
136 100

137 11.3 8.9 13.3

54 10.2 6.6 9.8#

68 6.9 5.0 7.4





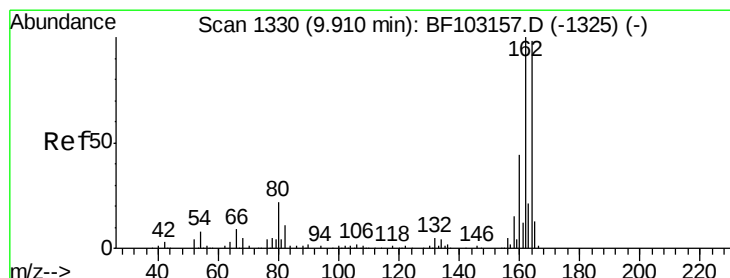
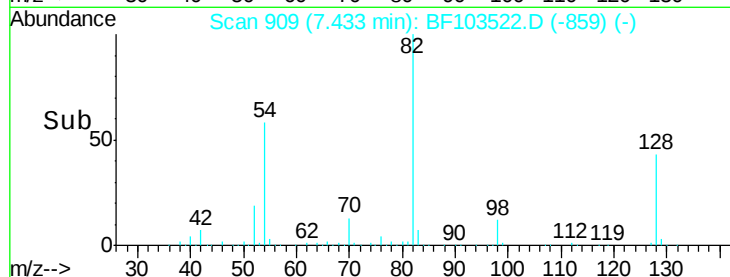
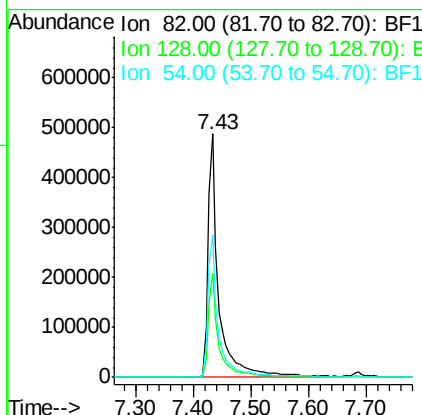
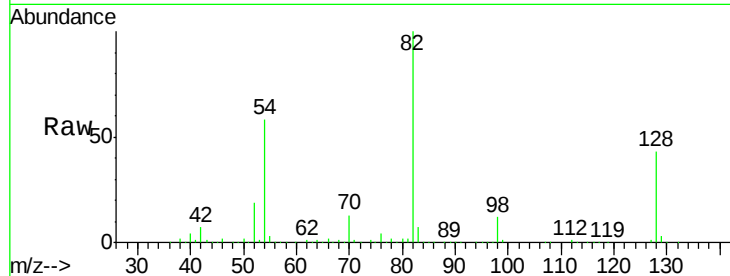
#23
Nitrobenzene-d5
Concen: 63.973 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	82	Resp	648997
Ion Ratio	100	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	58.4	41.4	62.2

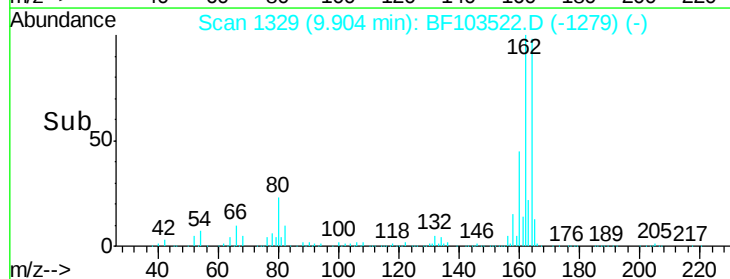
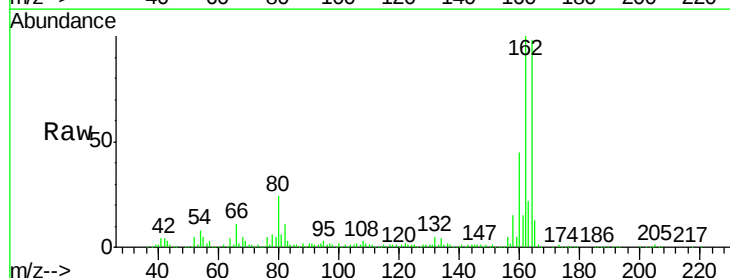
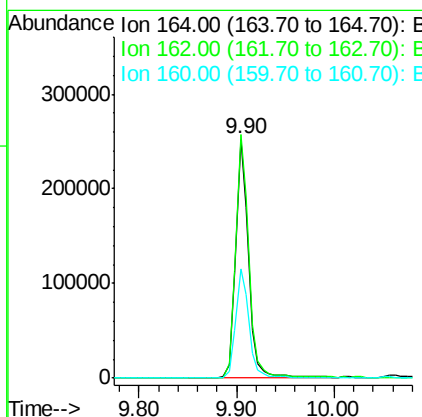
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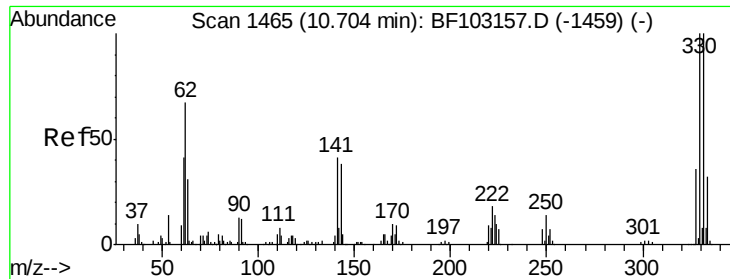
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Tgt Ion	164	Resp	231462
Ion Ratio	100	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	45.7	38.3	57.5





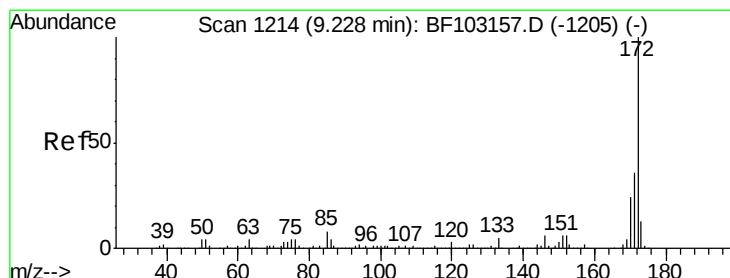
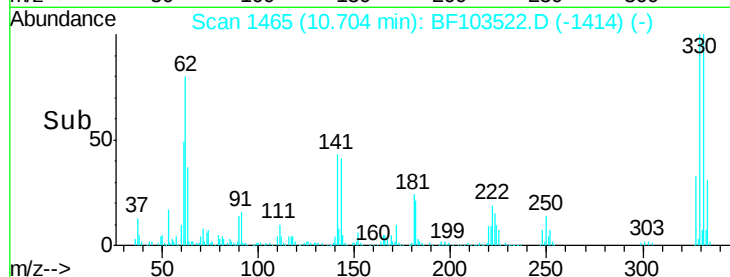
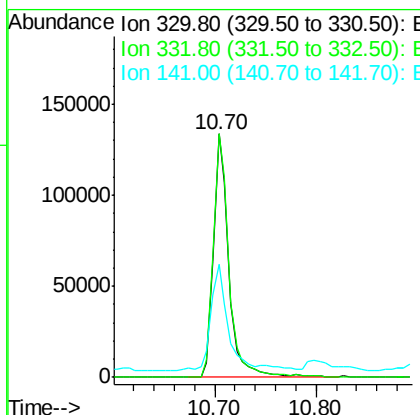
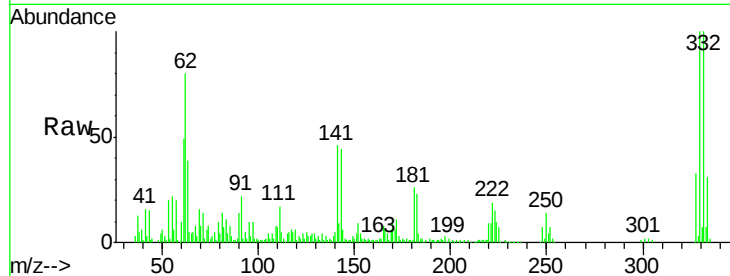
#41
 2,4,6-Tribromophenol
 Concen: 72.665 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103522.D
 Acq: 8 Mar 2018 17:48

Instrument :
 BNA_F
 ClientSampled :
 TP-9

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.8	77.0	115.6
141	50.7	29.9	44.9

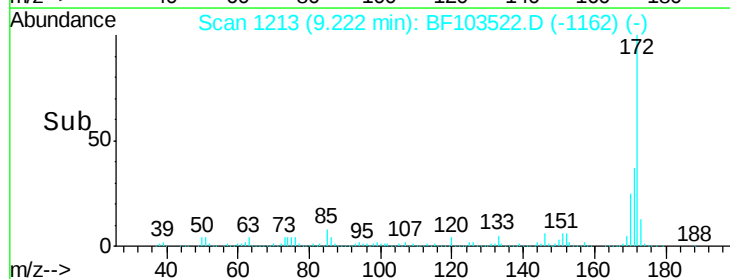
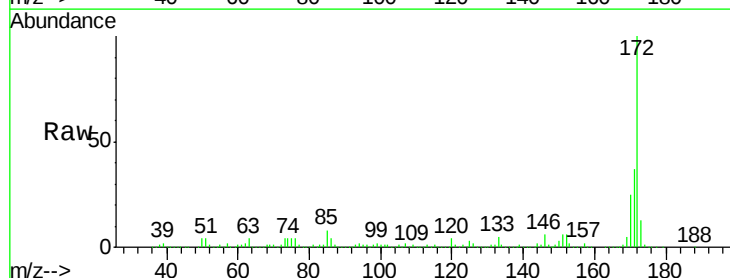
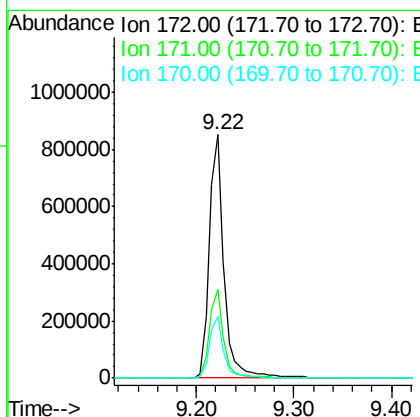
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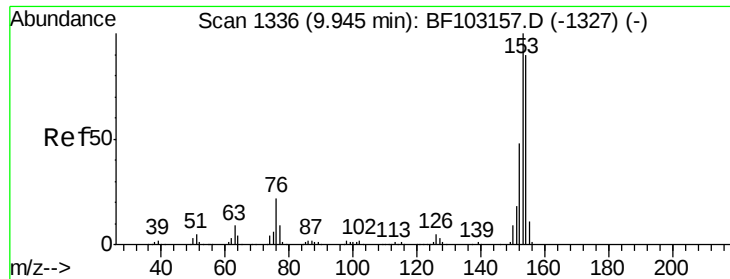
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#44
 2-Fluorobiphenyl
 Concen: 62.161 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103522.D
 Acq: 8 Mar 2018 17:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	25.3	19.6	29.4





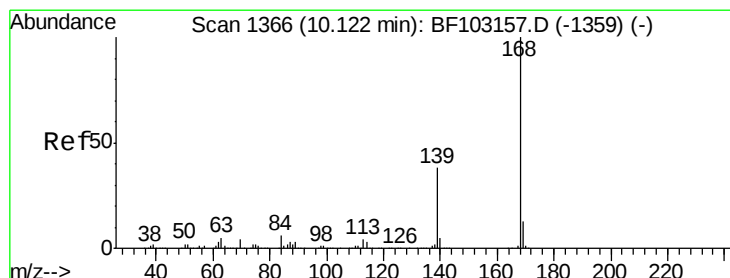
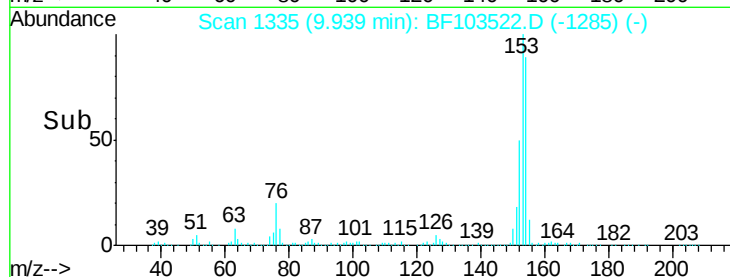
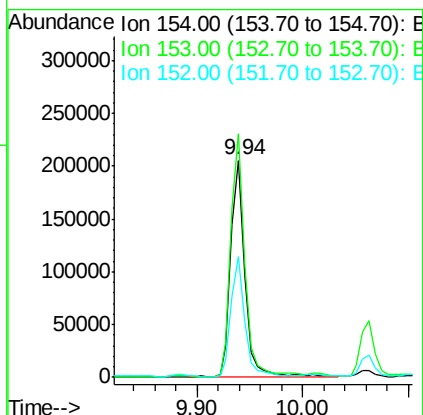
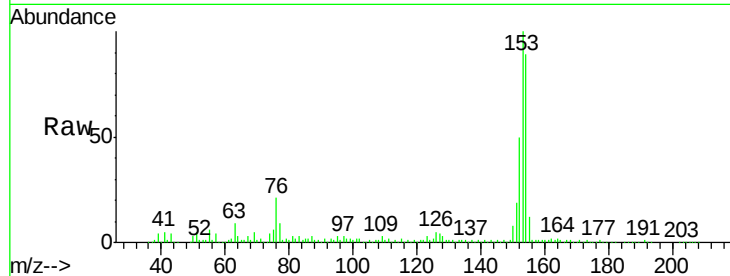
#51
Acenaphthene
Concen: 13.787 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.0	91.2	136.8
152	55.7	43.8	65.8

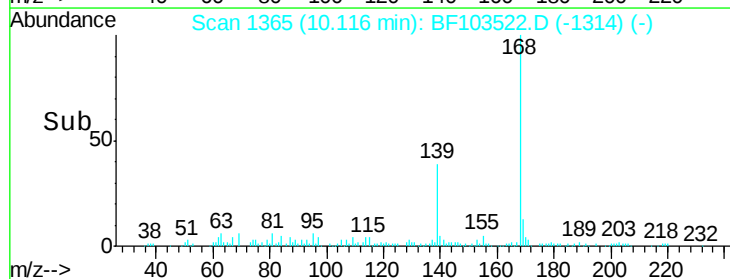
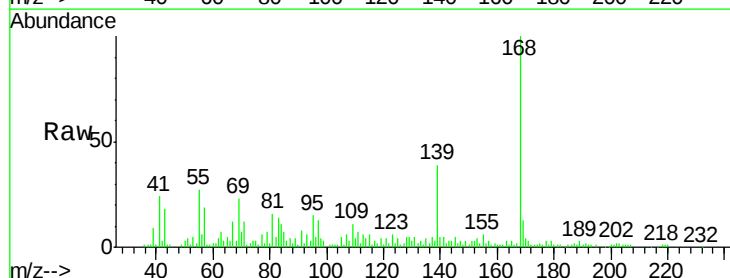
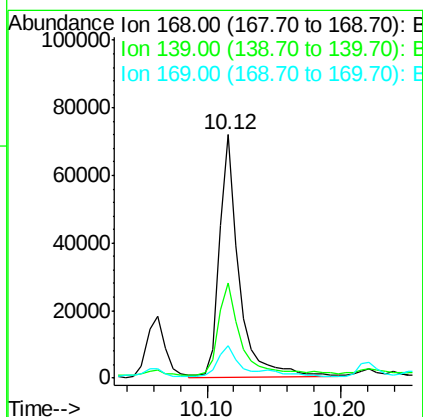
Manual Integrations
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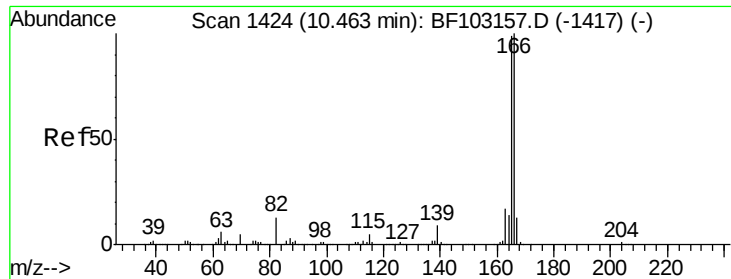
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#54
Dibenzofuran
Concen: 3.916 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.1	45.1
169	13.2	10.9	16.3





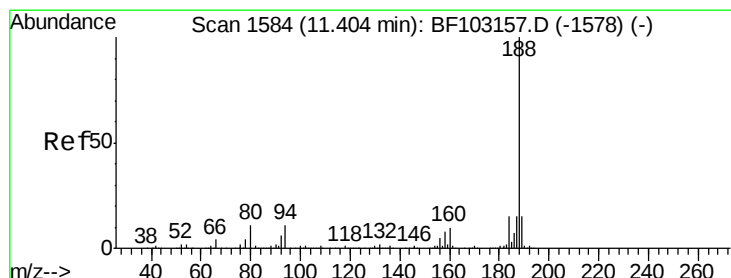
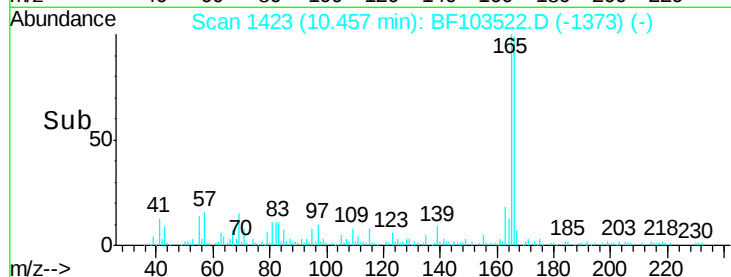
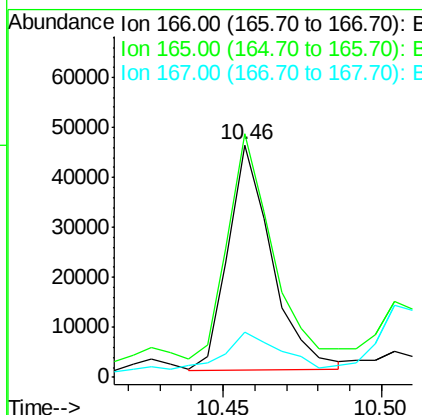
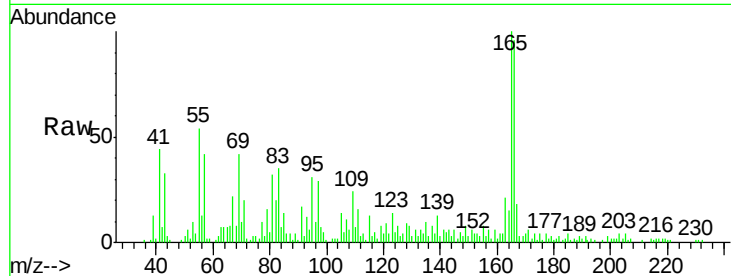
#57
Fluorene
 Concen: 2.683 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF103522.D
 Acq: 8 Mar 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	104.7	79.8	119.8	
167	19.3	10.6	16.0	

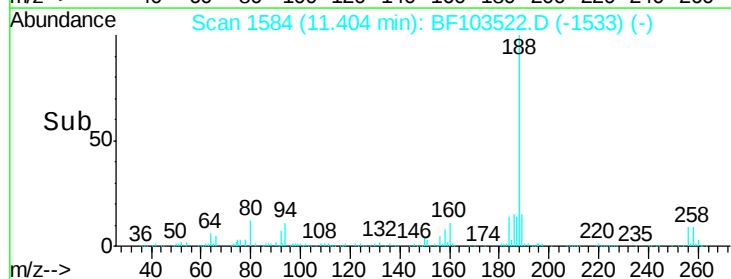
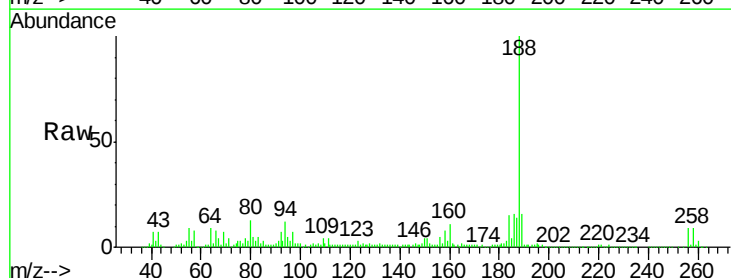
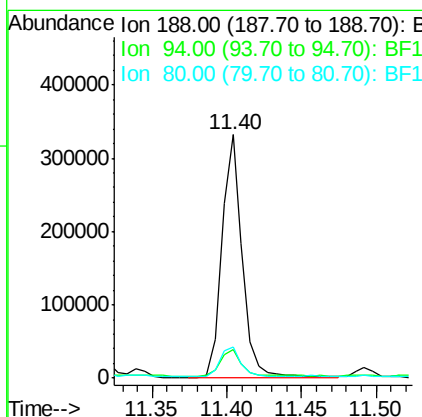
Manual Integrations
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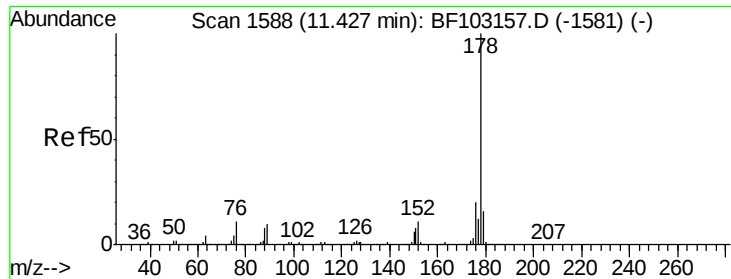
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103522.D
 Acq: 8 Mar 2018 17:48

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	12.0	8.5	12.7	
80	12.6	9.2	13.8	





#70

Phenanthrene

Concen: 13.994 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

Instrument :

BNA_F

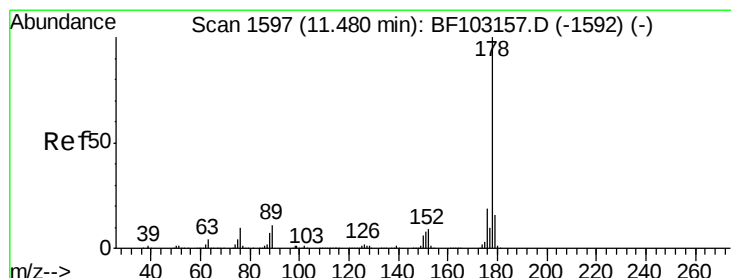
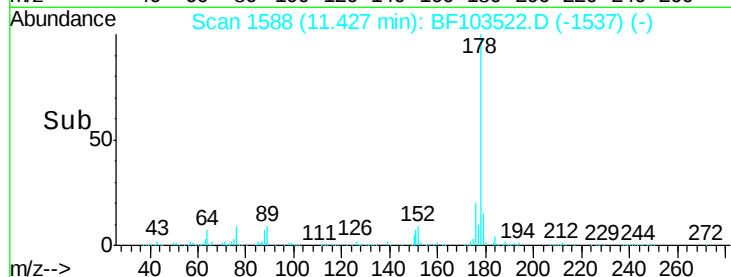
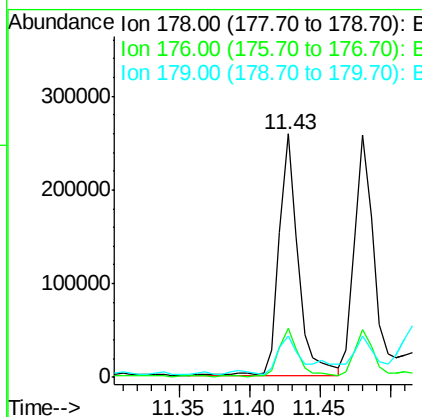
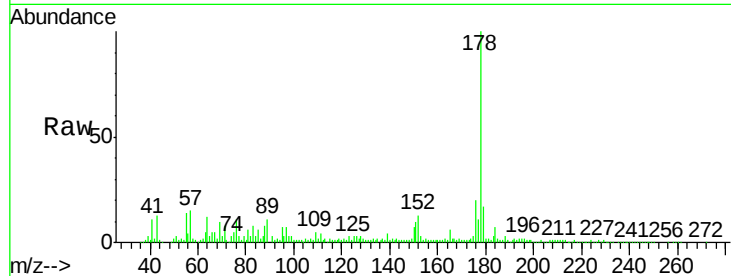
ClientSampled :

TP-9

Tot Ion:178	Resp:	244688
Ion Ratio	Lower	Upper
178	100	
176	20.1	15.8 23.8
179	17.1	13.0 19.6

Manual Integrations
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#71

Anthracene

Concen: 12.548 ng

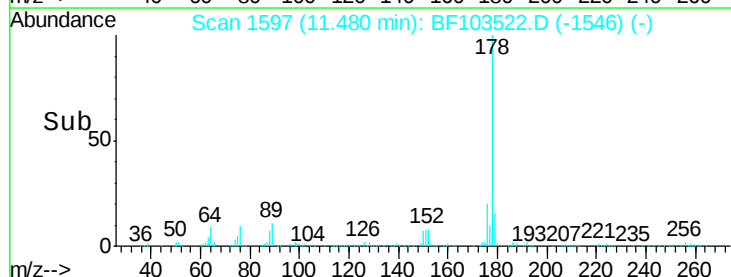
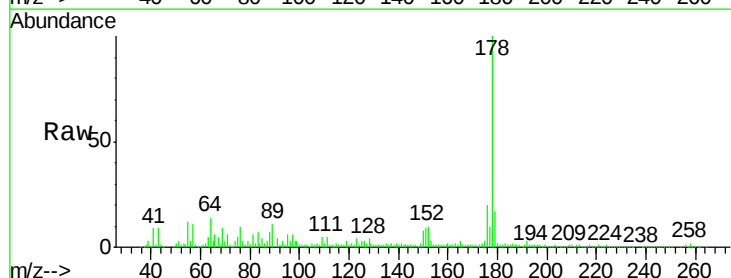
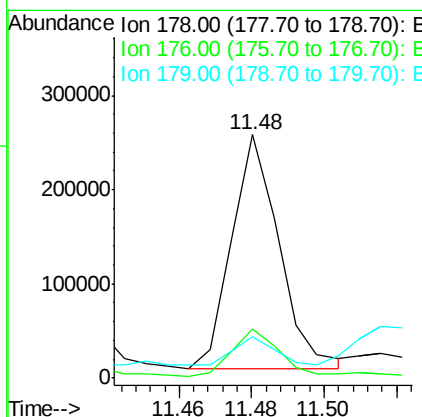
RT: 11.48 min Scan# 1597

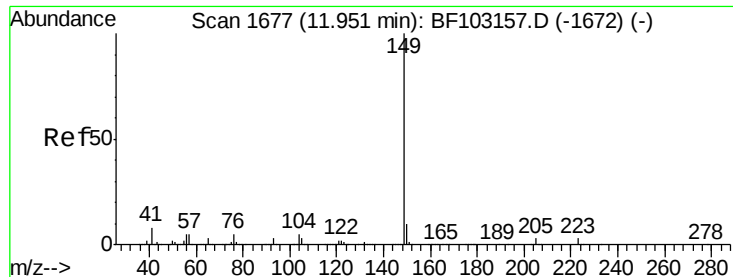
Delta R.T. 0.00 min

Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

Tgt Ion:178	Resp:	224987
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.4 23.2
179	16.9	12.6 19.0





#73

Di-n-butylphthalate

Concen: 10.781 ng

RT: 11.95 min Scan# 1677

Delta R.T. 0.00 min

Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

Instrument :

BNA_F

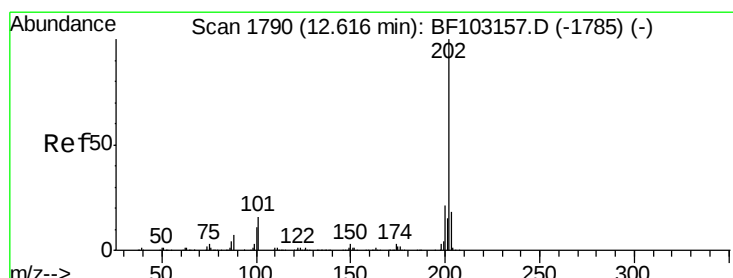
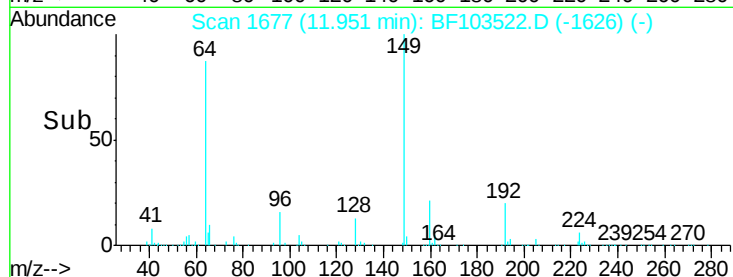
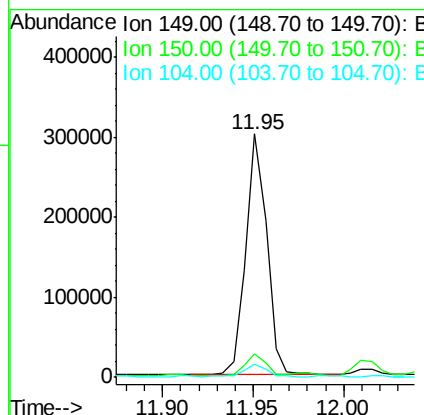
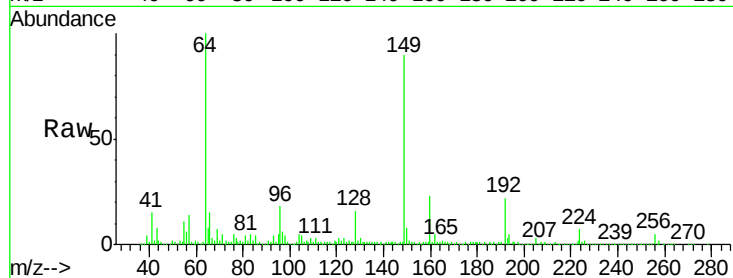
ClientSampleId :

TP-9

Tot Ion:	149	Resp:	240867
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.8	11.6
104	5.3	3.8	5.8

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#74

Fluoranthene

Concen: 46.744 ng

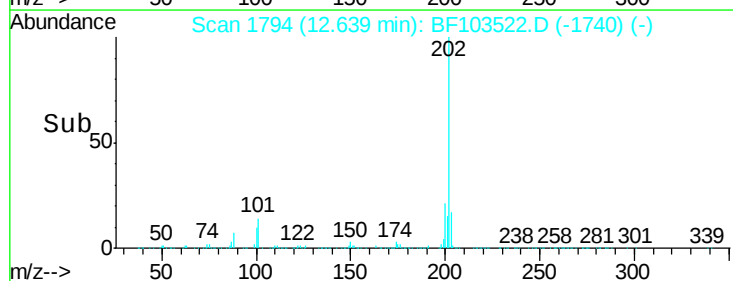
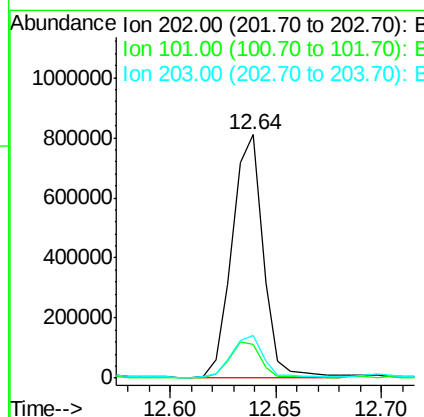
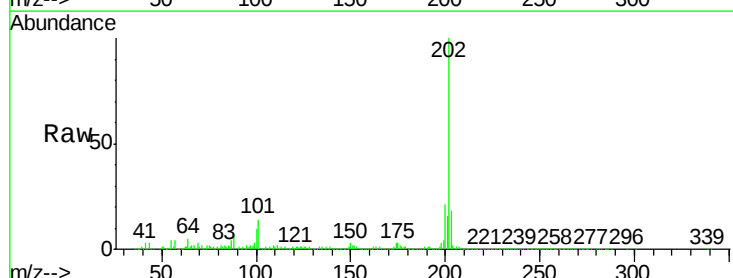
RT: 12.64 min Scan# 1794

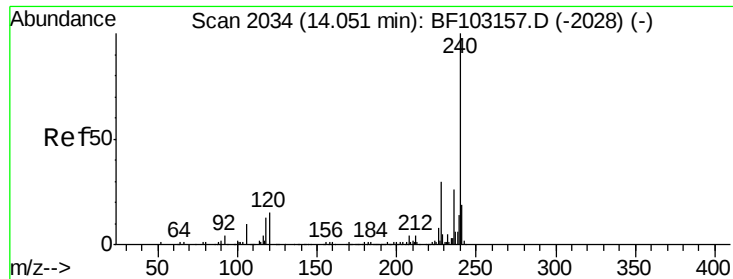
Delta R.T. 0.02 min

Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

Tgt Ion:	202	Resp:	821303
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	34.1
203	17.5	0.0	38.1





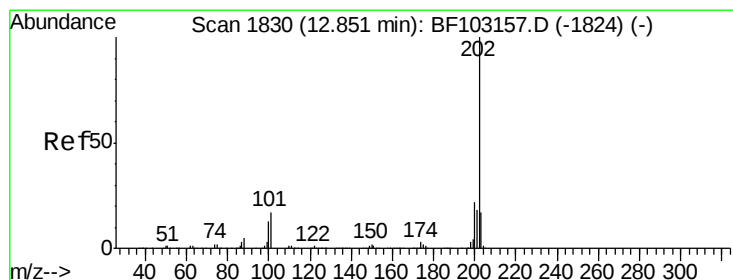
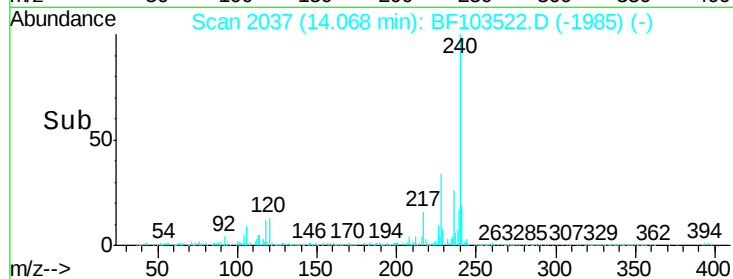
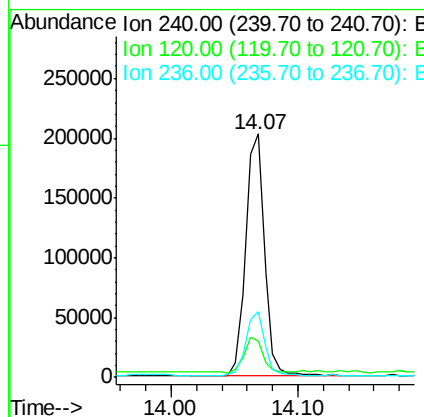
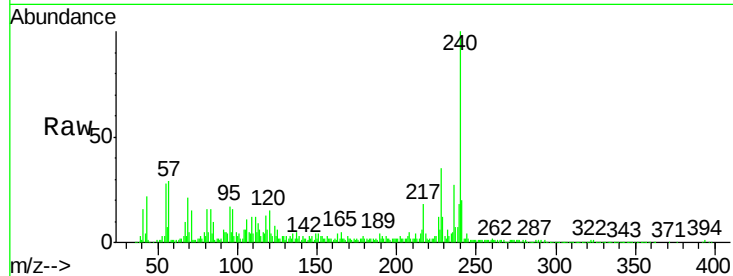
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	26.8	20.7	31.1

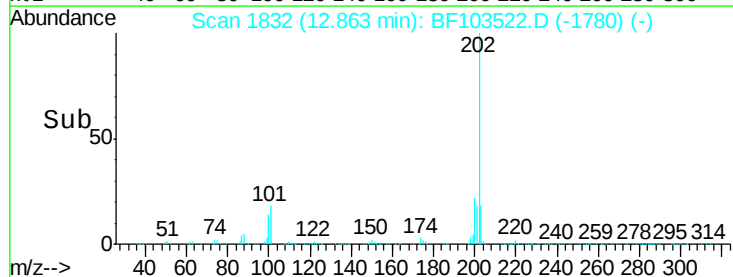
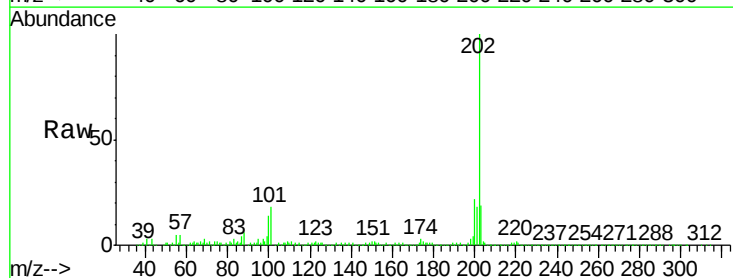
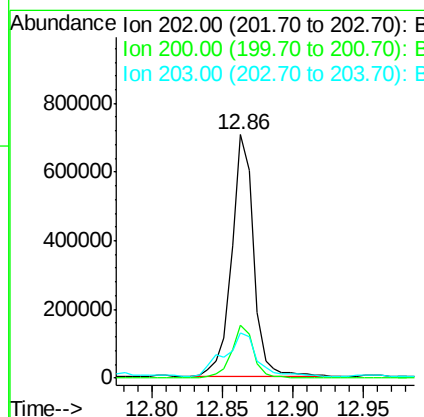
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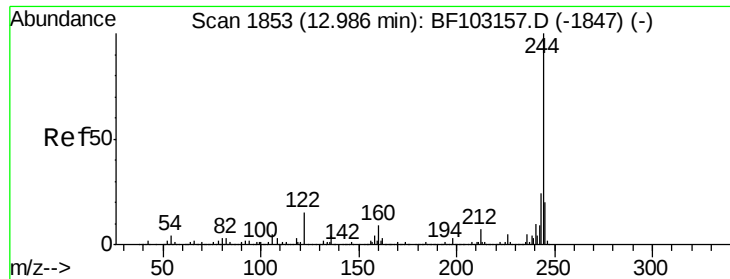
Sohil
3/9/2018 11:39:28 AM



#77
Pyrene
Concen: 47.281 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.7	14.3	21.5





#78

Terphenyl-d14

Concen: 59.830 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

Instrument :

BNA_F

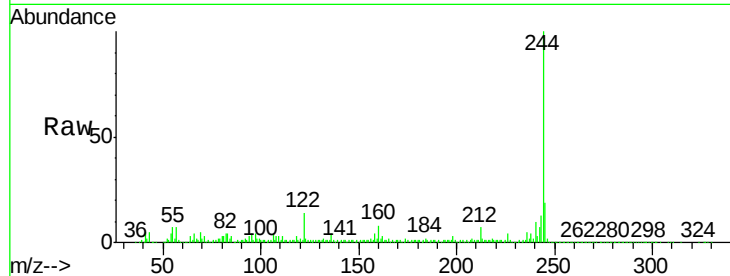
ClientSampleId :

TP-9

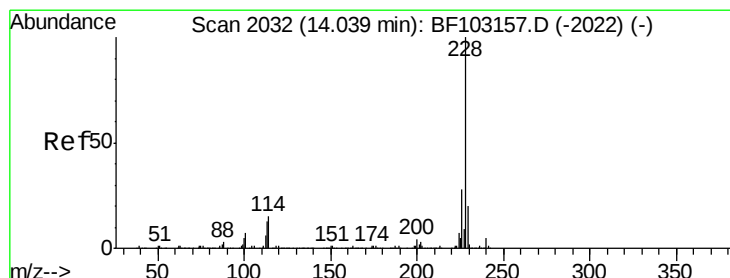
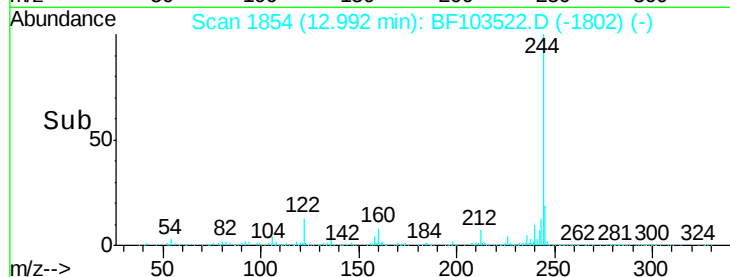
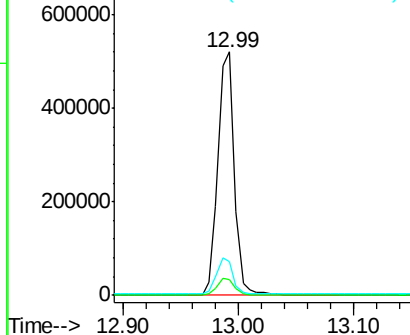
Tot Ion:	244	Resp:	518262
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	13.6	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 23.748 ng m

RT: 14.06 min Scan# 2035

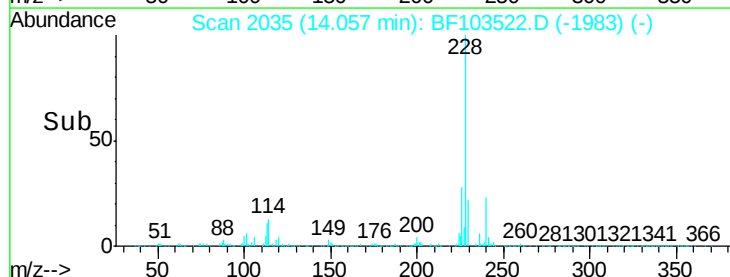
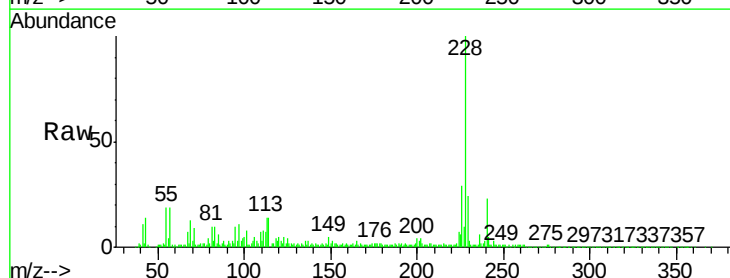
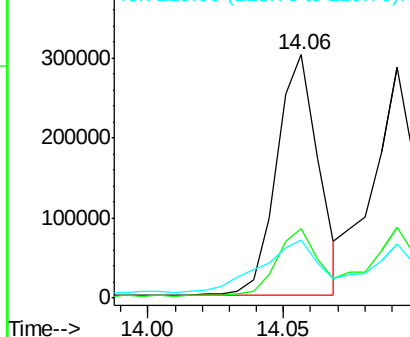
Delta R.T. 0.01 min

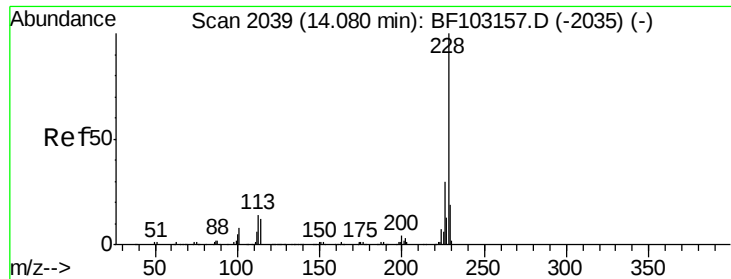
Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

Tgt Ion:	228	Resp:	320848
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.6	33.8
229	23.9	15.8	23.6#

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





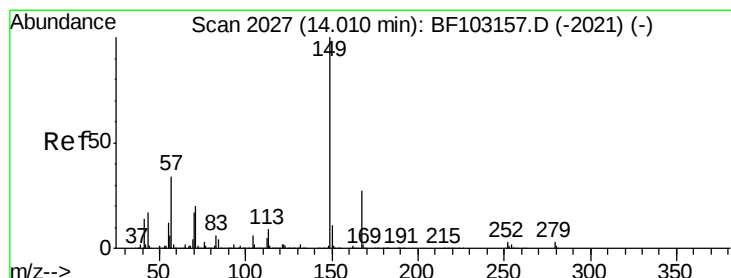
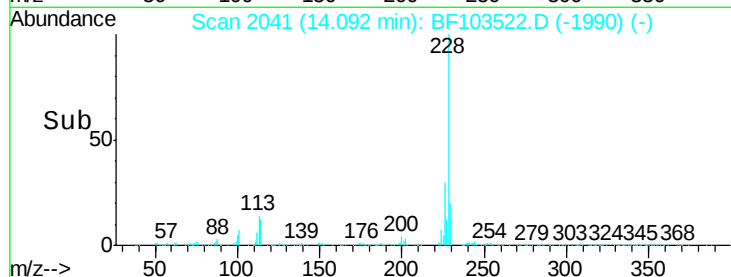
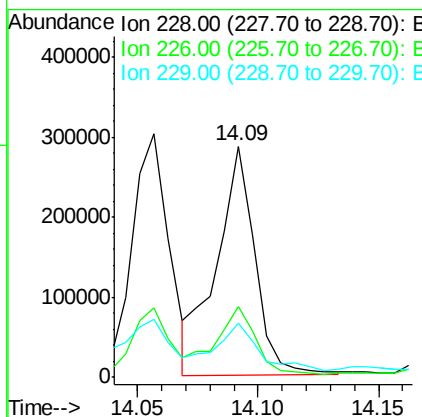
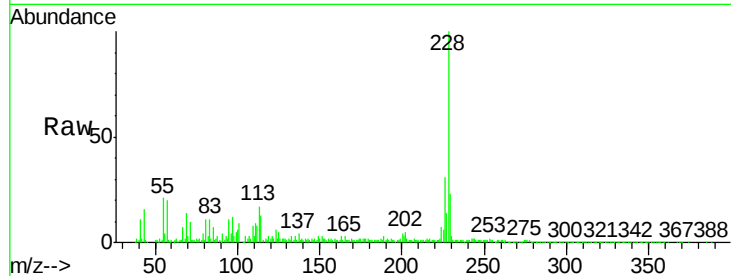
#82
Chrysene
Concen: 24.411 ng/ml
RT: 14.09 min Scan# 2041
Delta R.T. 0.00 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion:	228	Resp:	320234
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	23.4	16.2	24.4

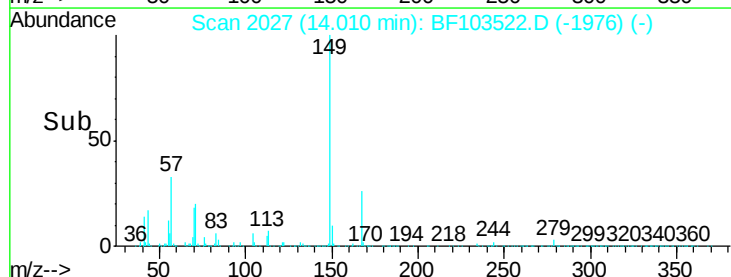
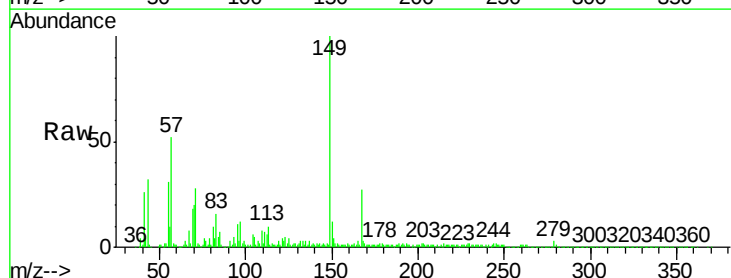
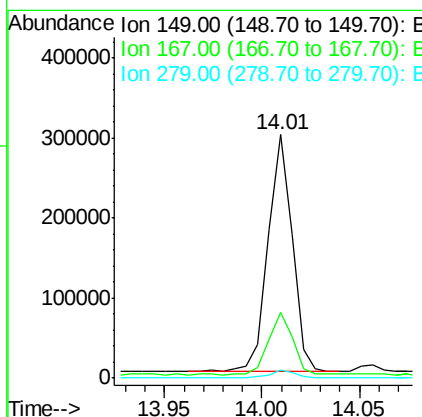
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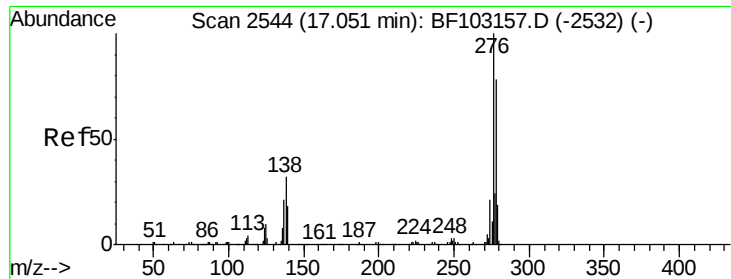
Sohil
3/9/2018 11:39:28 AM



#83
Bis(2-ethylhexyl)phthalate
Concen: 22.233 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Tgt Ion:	149	Resp:	257350
Ion Ratio	Lower	Upper	
149	100		
167	26.7	21.3	31.9
279	3.1	3.0	4.4





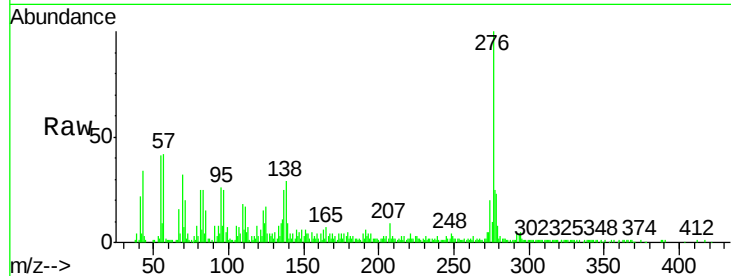
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.554 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	22.4	20.1	30.1

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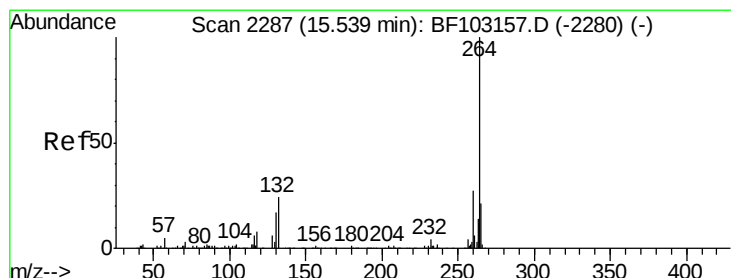
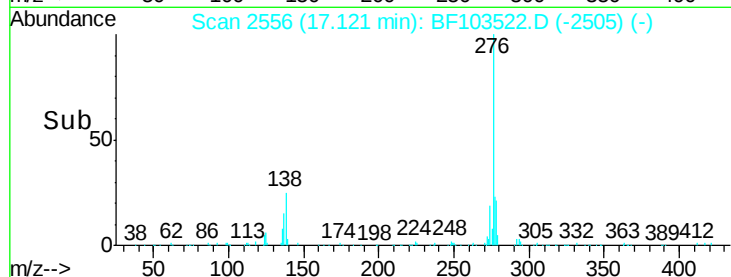
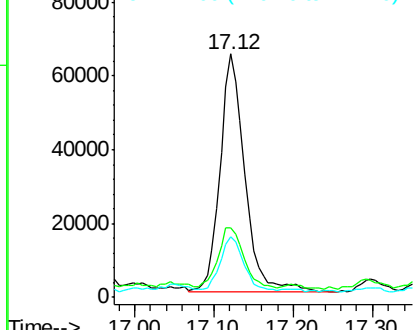


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

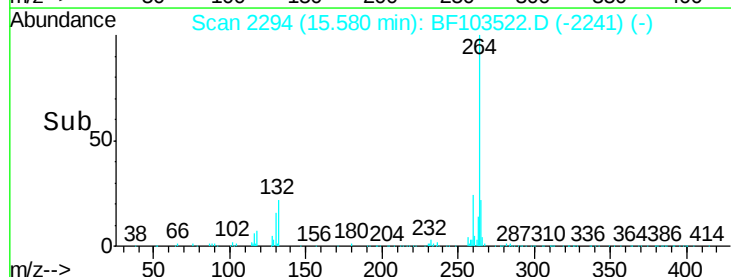
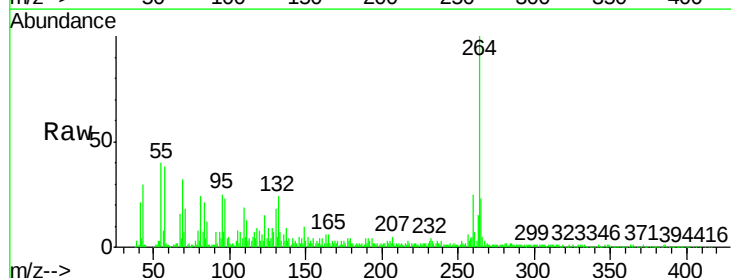
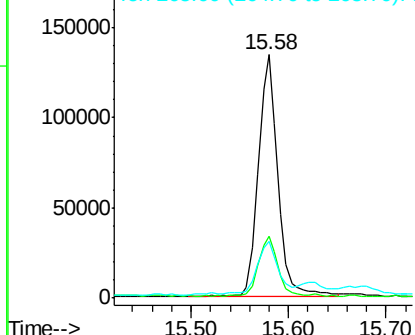
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	23.1	17.5	26.3

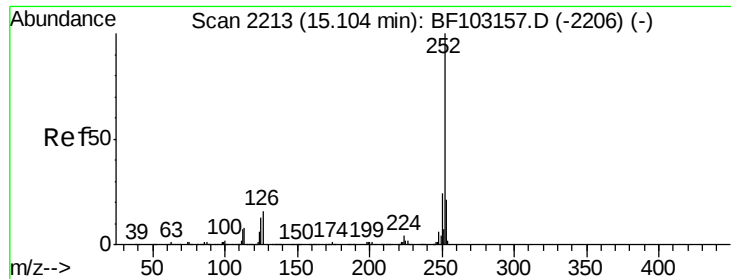
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 27.915 ng m

RT: 15.13 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

Instrument :

BNA_F

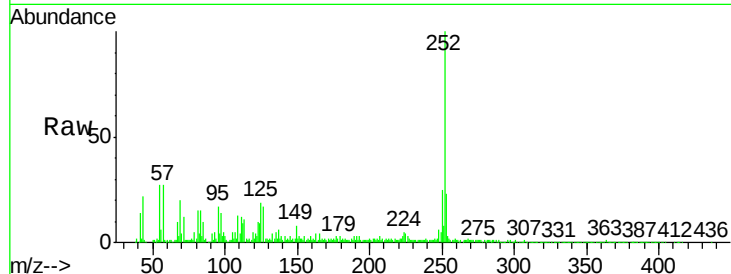
ClientSampled :

TP-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	19.1	9.0	13.6

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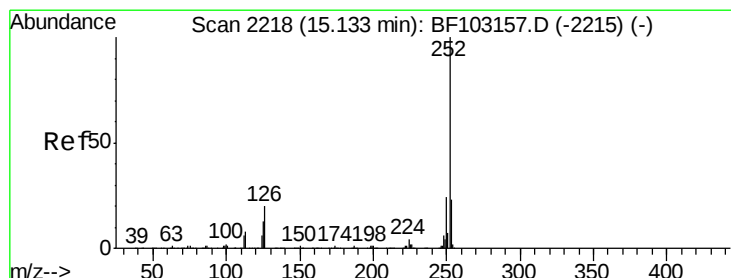
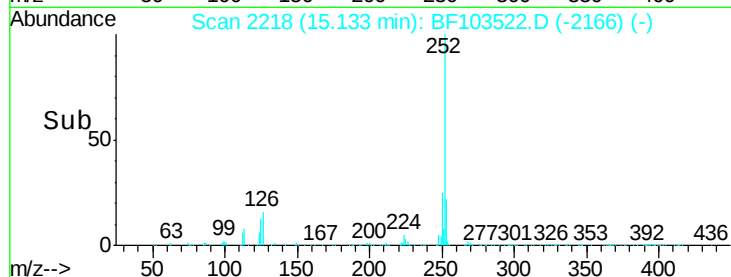
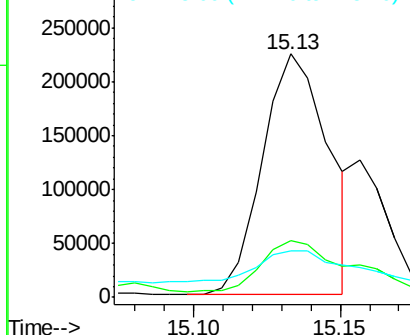


Abundance

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: 9.519 ng m

RT: 15.16 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BF103522.D

Acq: 8 Mar 2018 17:48

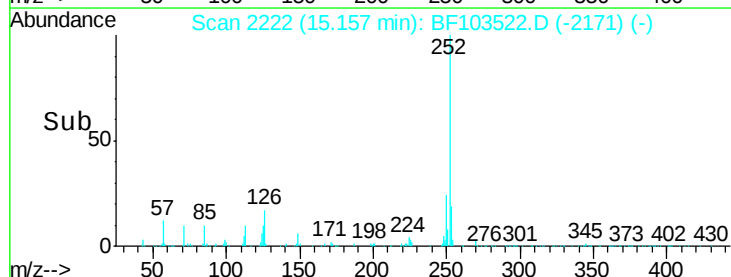
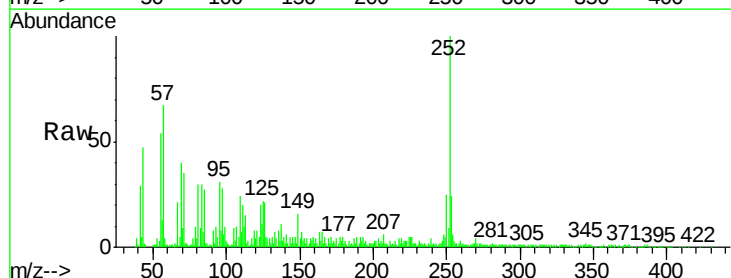
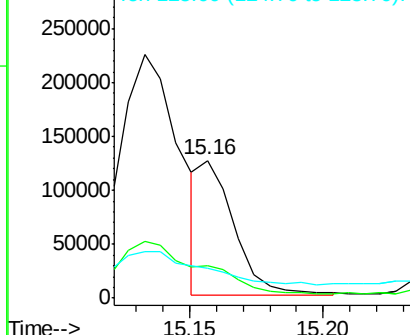
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	21.6	10.2	15.2

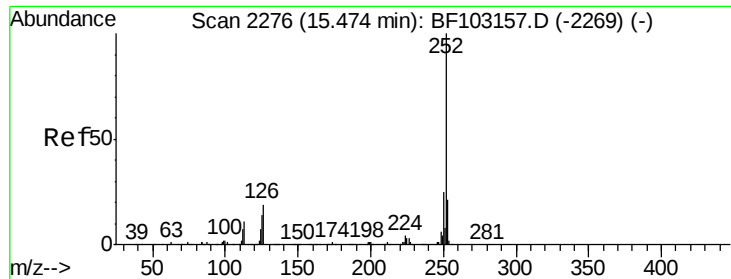
Abundance

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





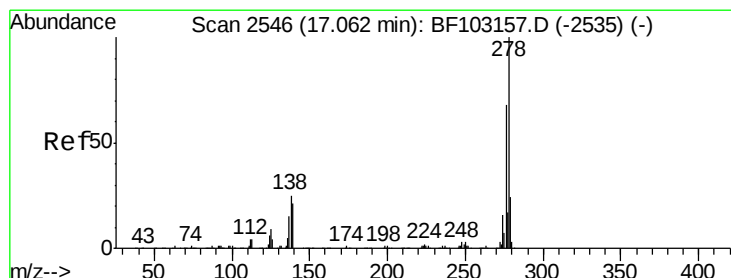
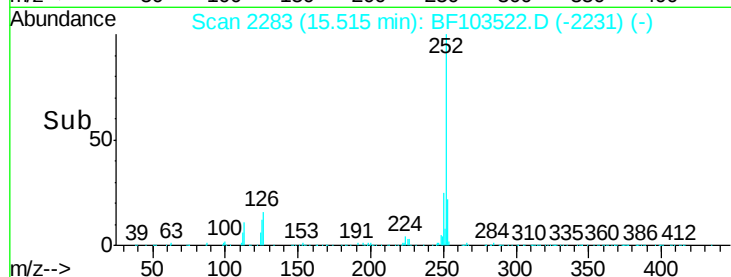
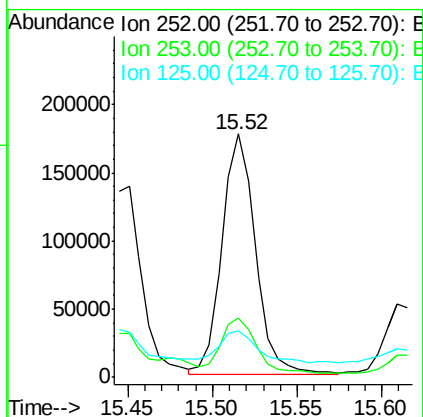
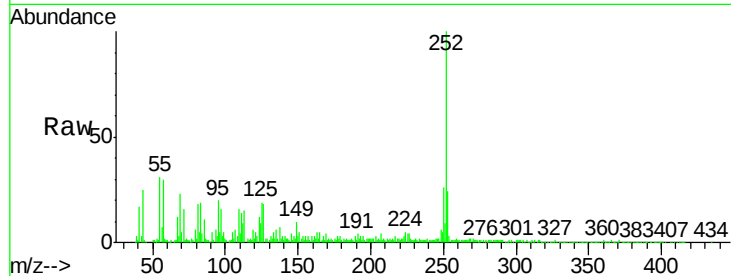
#89
Benzo(a)pyrene
Concen: 21.549 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	19.3	9.8	14.6

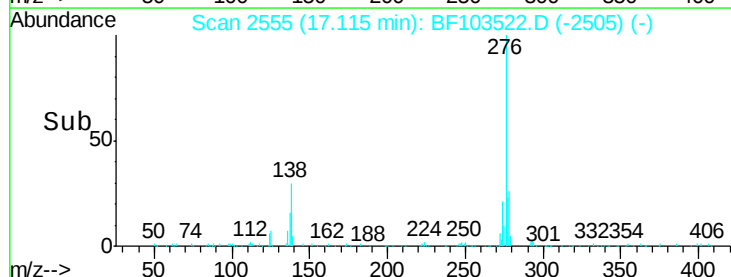
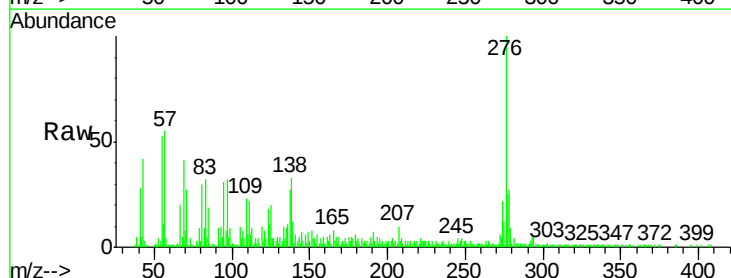
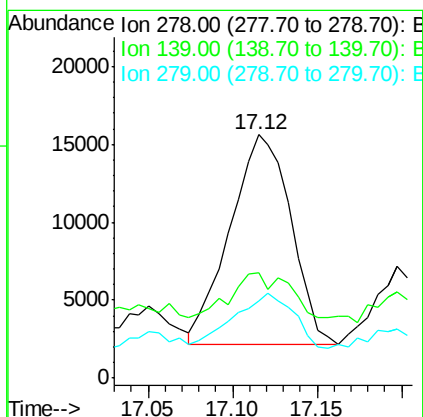
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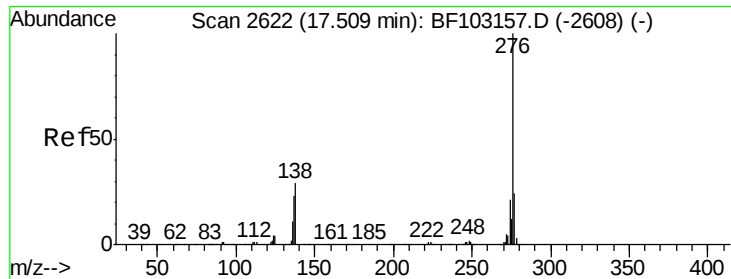
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#90
Dibenzo(a,h)anthracene
Concen: 3.891 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103522.D
Acq: 8 Mar 2018 17:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	43.0	15.9	23.9
279	32.0	19.0	28.4





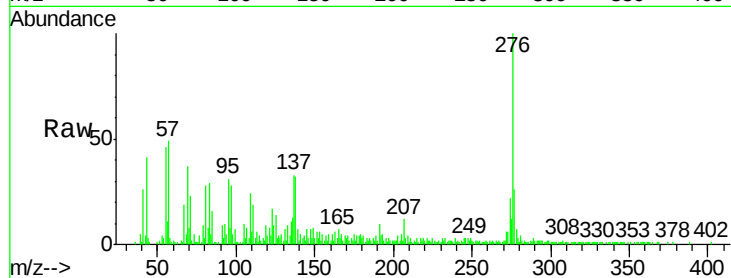
#91
 Benzo(a,h,i)perylene
 Concen: 15.422 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. 0.02 min
 Lab File: BF103522.D
 Acq: 8 Mar 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	32.0	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

