

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103483.D
 Acq On : 7 Mar 2018 3:39
 Operator : SJ/JU
 Sample : J1792-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Manual Integrations
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Sohil
 3/7/2018 12:17:48 PM

Quant Time: Mar 07 07:14:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	138190	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	578000	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	228170	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	339714	20.00	ng	0.00
75) Chrysene-d12	14.06	240	216960	20.00	ng	0.00
86) Perylene-d12	15.57	264	183918	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	888862	97.28	ng	0.00
7) Phenol-d6	6.51	99	1131758	101.23	ng	0.00
23) Nitrobenzene-d5	7.44	82	698793	69.04	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	150586	77.97	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	962115	69.52	ng	0.00
78) Terphenyl-d14	12.99	244	670336	74.27	ng	0.00
Target Compounds						
48) Acenaphthylene	9.77	152	67464	2.899	ng	98
70) Phenanthrene	11.43	178	240290	12.853	ng	98
71) Anthracene	11.49	178	106778	5.570	ng	99
72) Carbazole	11.65	167	40944	2.145	ng	97
73) Di-n-butylphthalate	11.95	149	426029	17.834	ng	99
74) Fluoranthene	12.63	202	528814	28.148	ng	98
77) Pyrene	12.86	202	466595	27.584	ng	100
80) Benzo(a)anthracene	14.05	228	218566	15.526	ng	99
82) Chrysene	14.09	228	198737	14.540	ng	98
83) Bis(2-ethylhexyl)phthalate	14.01	149	61607	5.108	ng	99
85) Indeno(1,2,3-cd)pyrene	17.12	276	171156	15.817	ng	93
87) Benzo(b)fluoranthene	15.13	252	265865m	21.986	ng	
88) Benzo(k)fluoranthene	15.15	252	98439m	8.645	ng	
89) Benzo(a)pyrene	15.51	252	198389	18.372	ng	# 93
90) Dibenzo(a,h)anthracene	17.12	278	30511	3.657	ng	# 74
91) Benzo(g,h,i)perylene	17.59	276	183051	22.446	ng	95

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

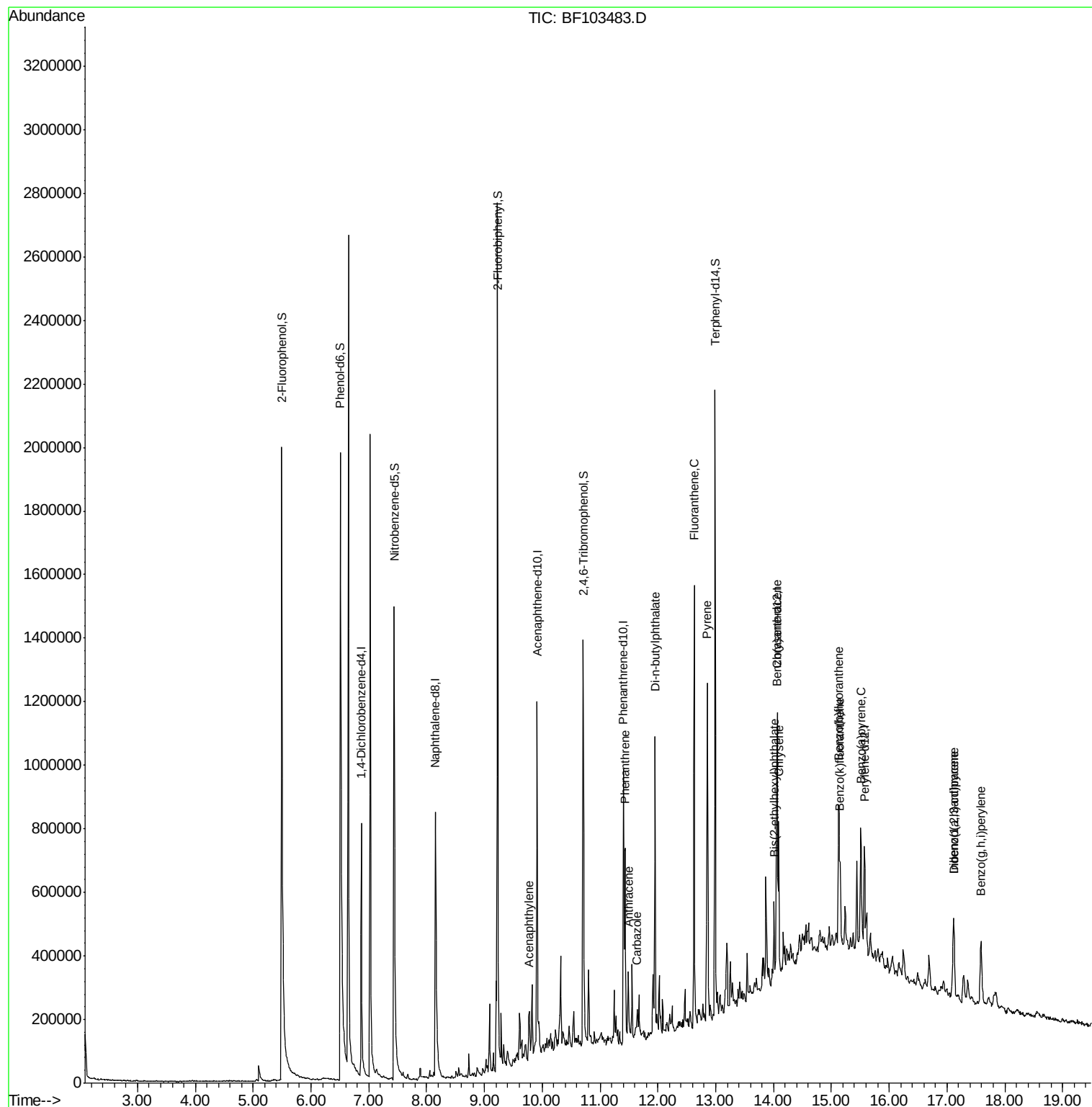
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103483.D
Acq On : 7 Mar 2018 3:39
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Misc :
ALS Vial : 25 Sample Multiplier: 1

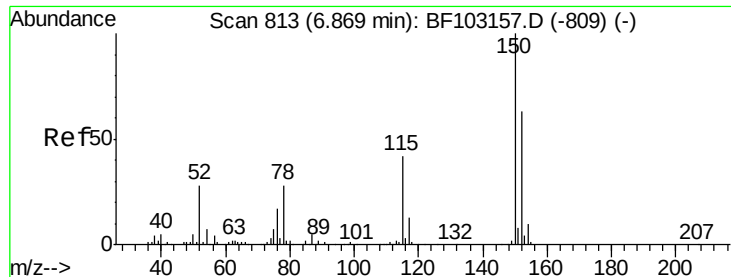
Instrument :
BNA_F
ClientSampleId :
TP-8

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#1

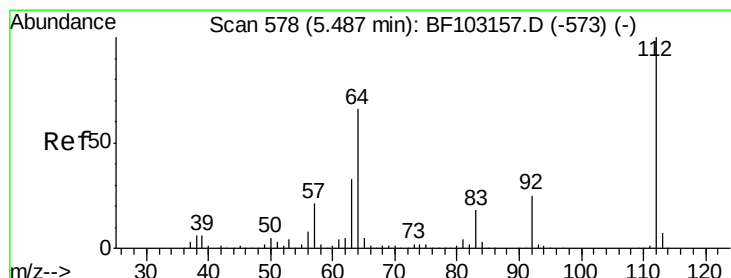
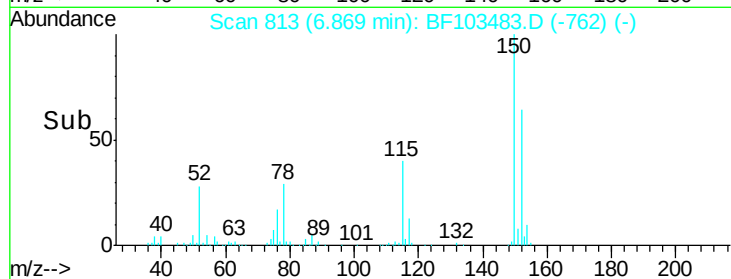
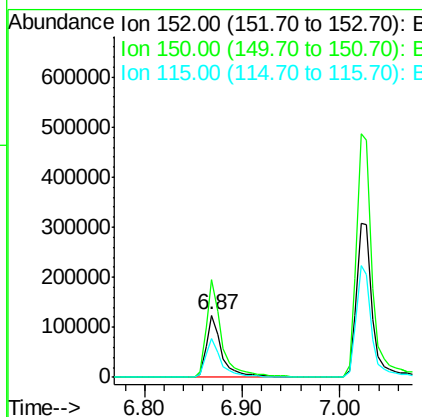
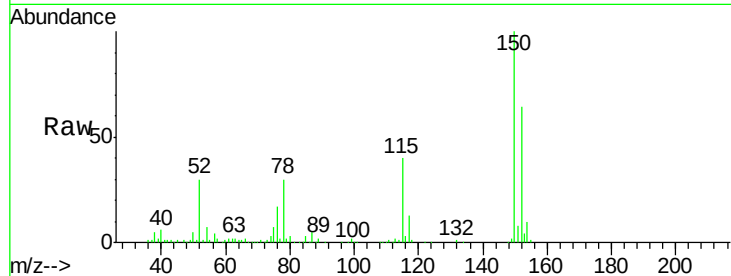
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	63.1	50.1	75.1

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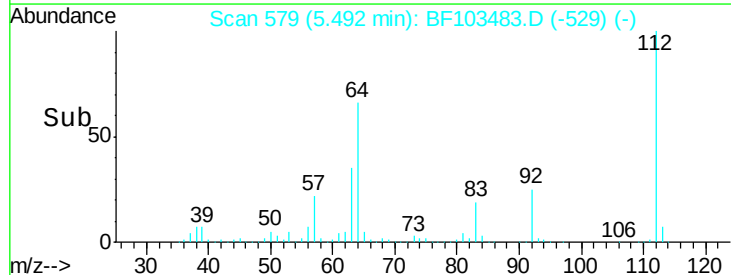
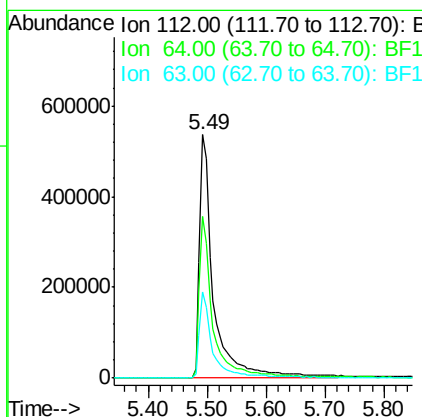
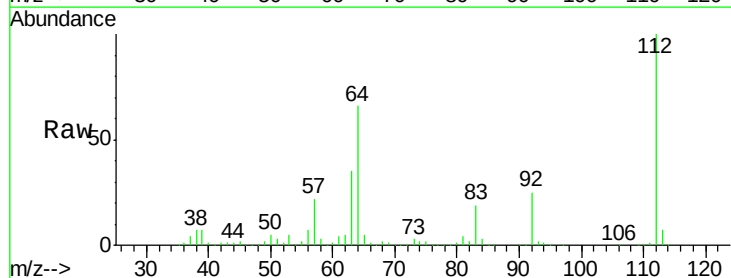
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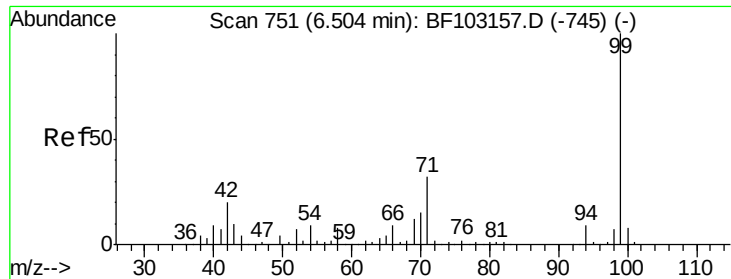


#5

2-Fluorophenol
Concen: 97.282 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	35.1	23.7	35.5





#7

Phenol-d6

Concen: 101.227 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103483.D

Acq: 7 Mar 2018 3:39

Instrument :

BNA_F

ClientSampled :

TP-8

Tot Ion: 99 Resp: 1131758

Ion Ratio Lower Upper

99 100

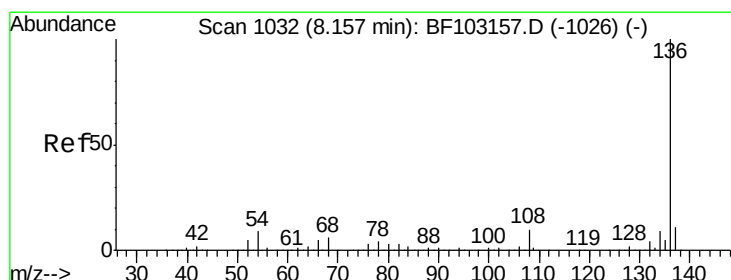
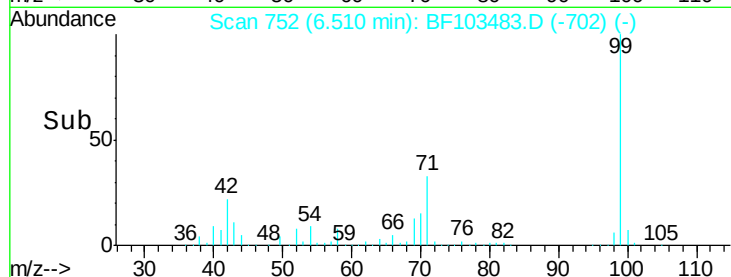
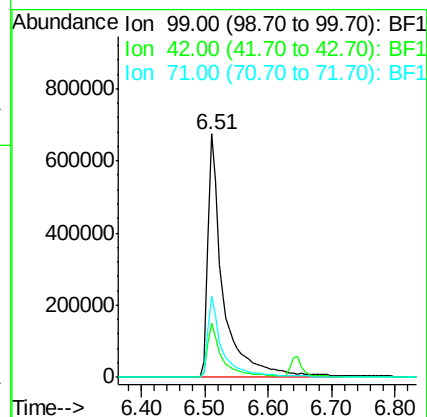
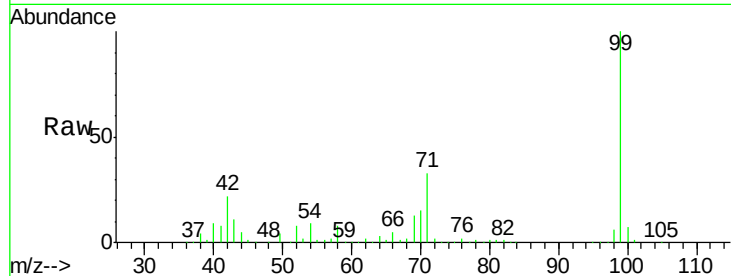
42 22.0 14.5 21.7#

71 33.2 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103483.D

Acq: 7 Mar 2018 3:39

Tgt Ion: 136 Resp: 578000

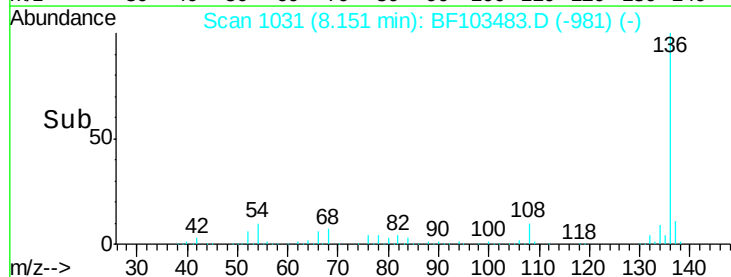
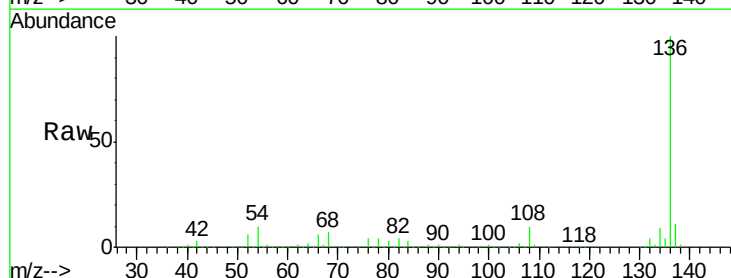
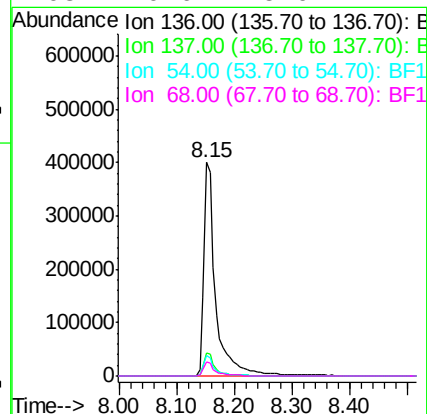
Ion Ratio Lower Upper

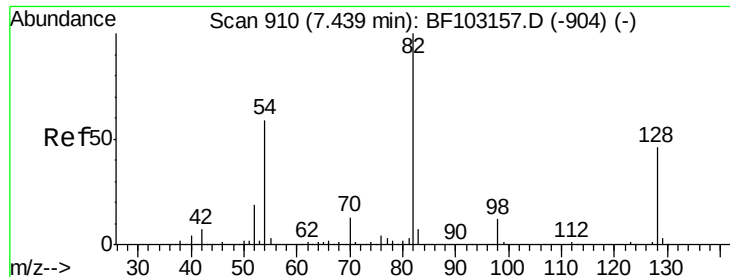
136 100

137 10.8 8.9 13.3

54 9.9 6.6 9.8#

68 6.6 5.0 7.4





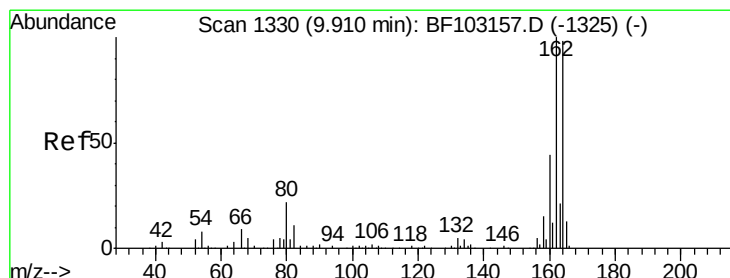
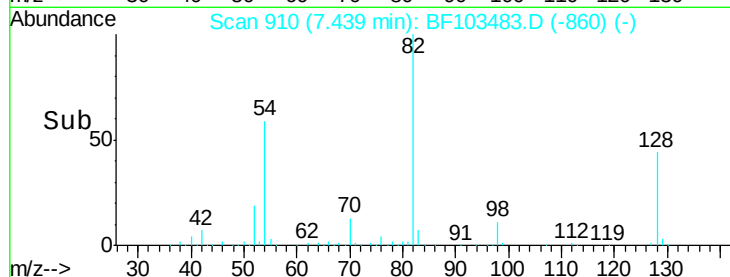
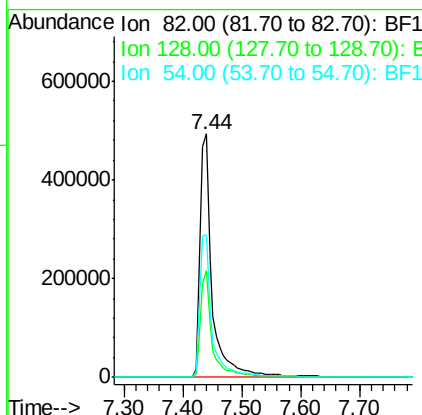
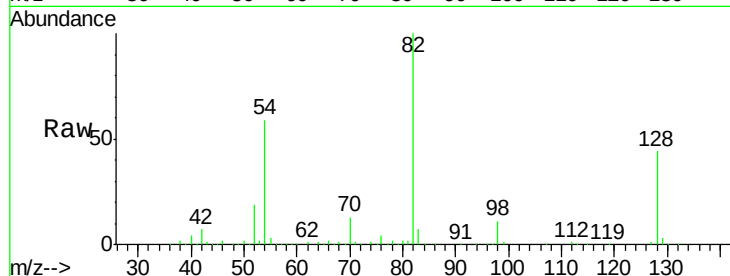
#23
Nitrobenzene-d5
Concen: 69.043 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	82	Resp	698793
Ion Ratio	100	Lower	Upper
128	44.0	36.1	54.1
54	58.6	41.4	62.2

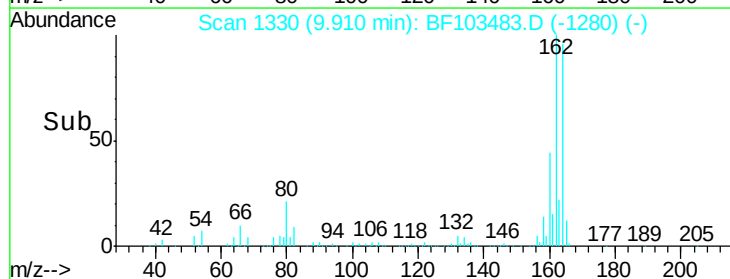
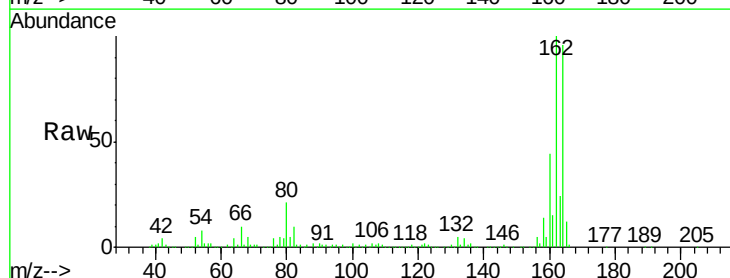
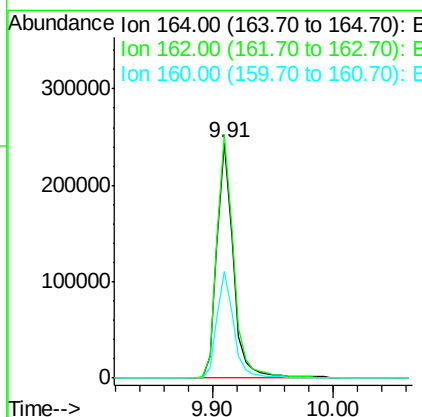
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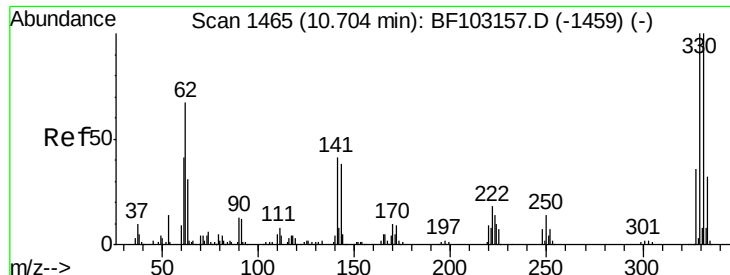
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Tgt Ion	164	Resp	228170
Ion Ratio	100	Lower	Upper
162	103.7	86.1	129.1
160	45.5	38.3	57.5





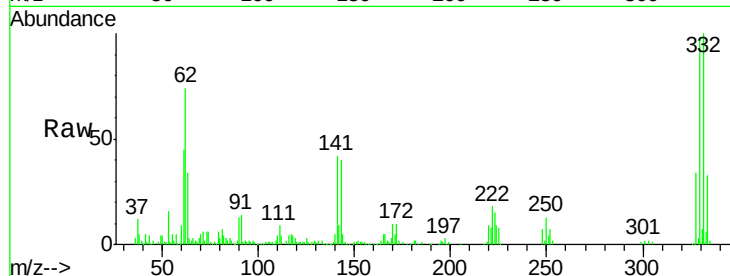
#41
 2,4,6-Tribromophenol
 Concen: 77.970 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103483.D
 Acq: 7 Mar 2018 3:39

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.2	77.0	115.6	
141	47.9	29.9	44.9	

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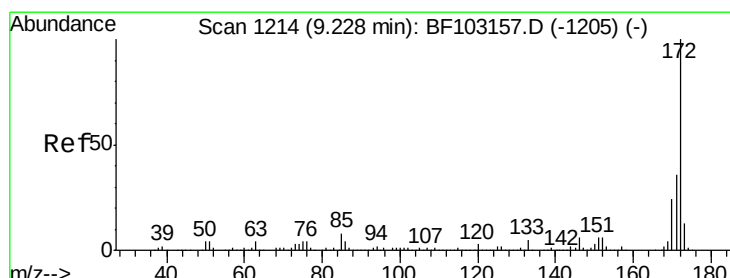
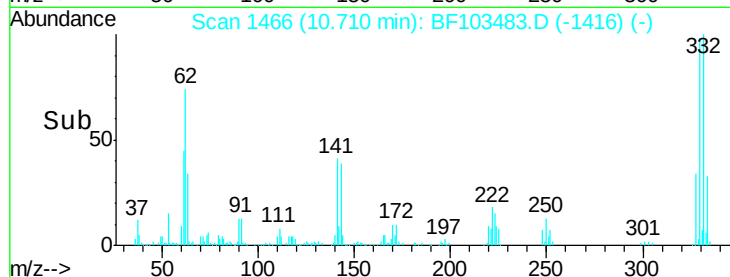
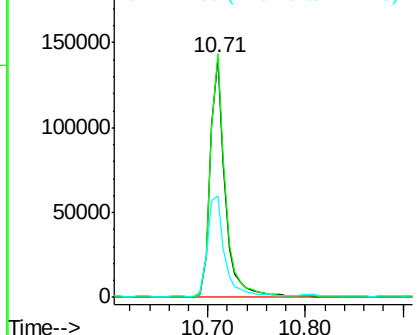


Abundance

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: 69.520 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103483.D
 Acq: 7 Mar 2018 3:39

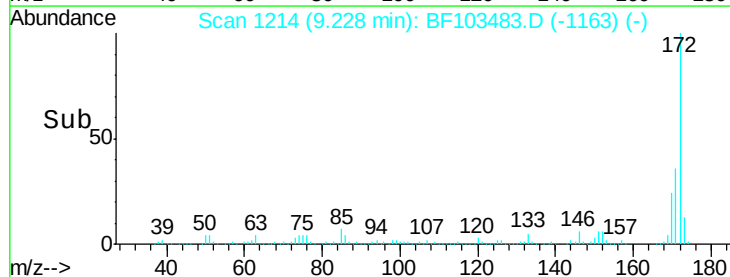
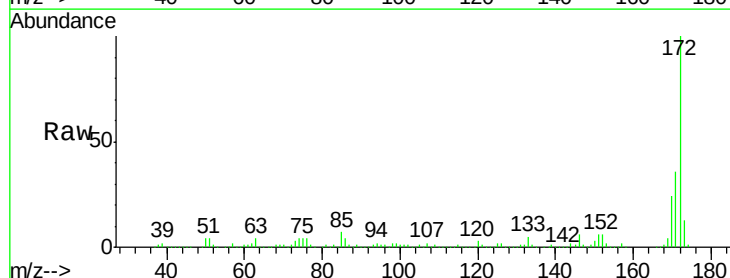
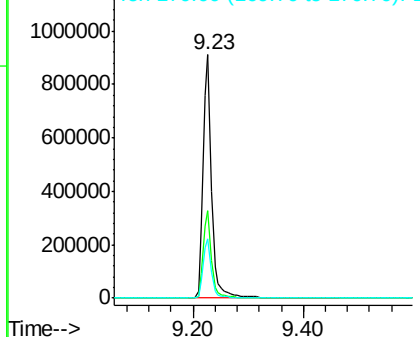
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	24.4	19.6	29.4	

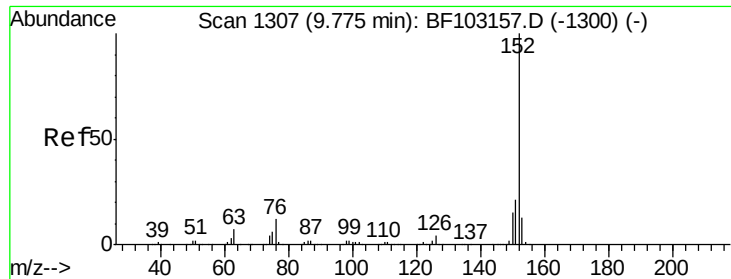
Abundance

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





#48

Acenaphthylene

Concen: 2.899 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103483.D

Acq: 7 Mar 2018 3:39

Instrument :

BNA_F

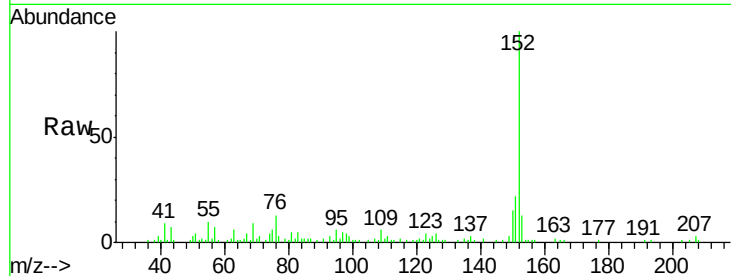
ClientSampled :

TP-8

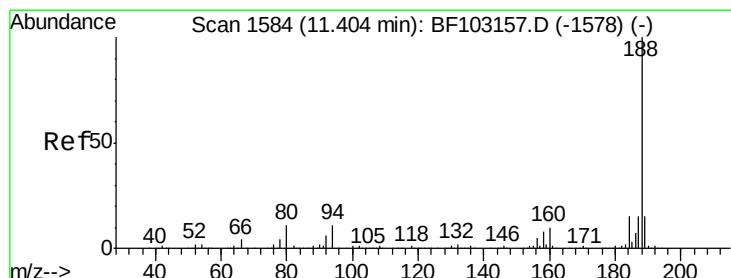
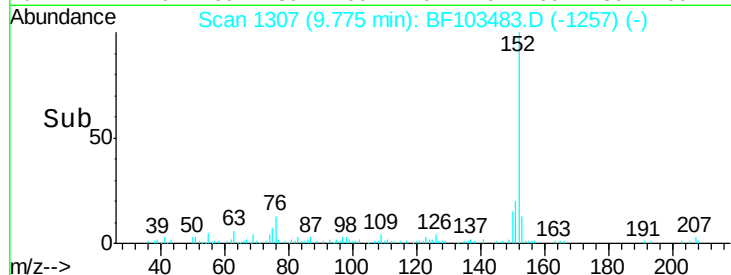
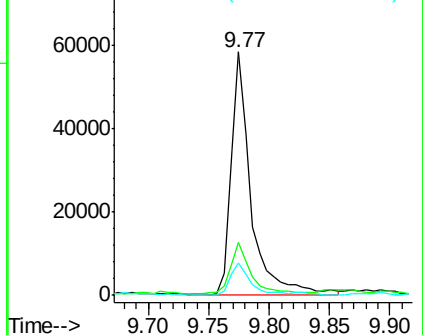
Tot Ion:	152	Resp:	67464
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.3	24.5
153	13.3	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

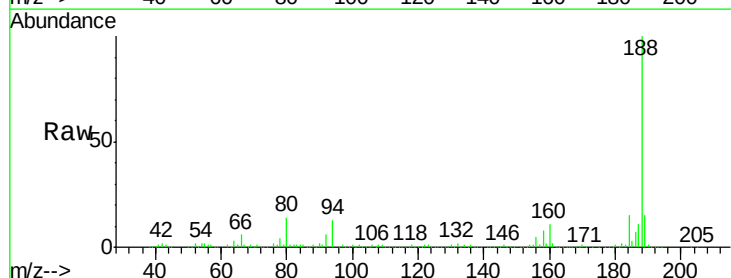
RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

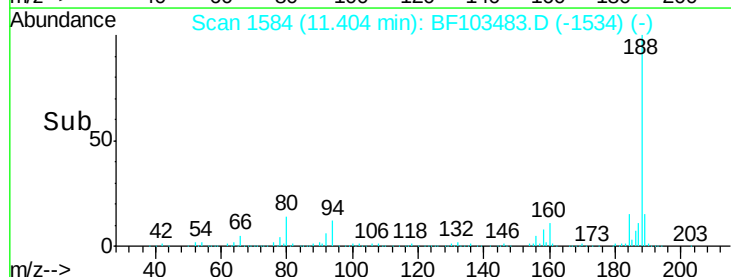
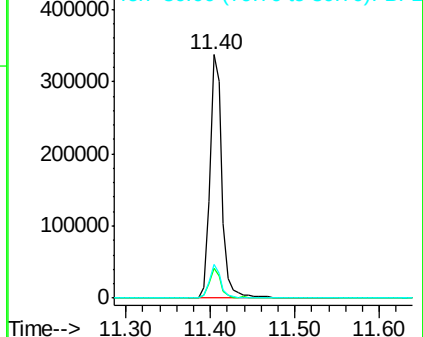
Lab File: BF103483.D

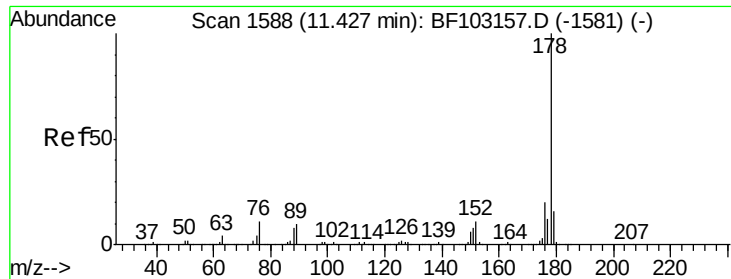
Acq: 7 Mar 2018 3:39

Tgt Ion:	188	Resp:	339714
Ion Ratio	Lower	Upper	
188	100		
94	12.5	8.5	12.7
80	13.8	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





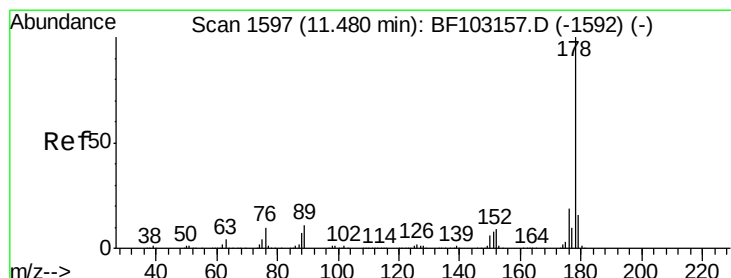
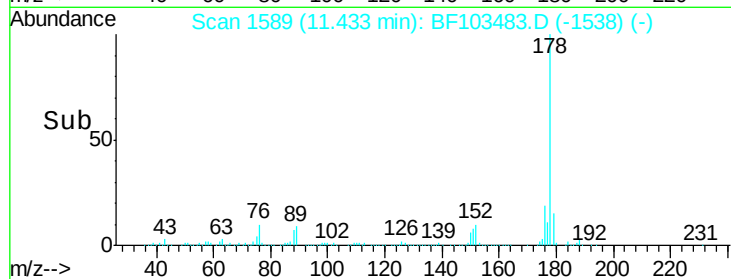
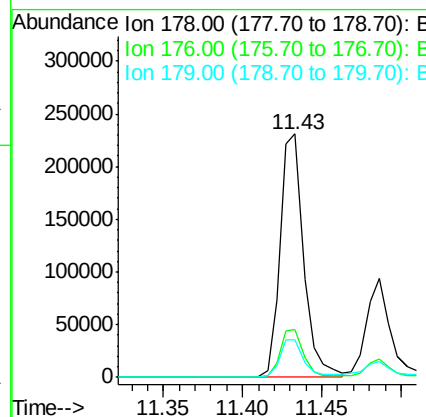
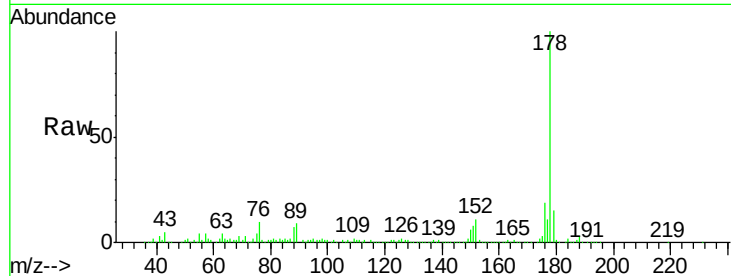
#70
Phenanthrene
Concen: 12.853 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	13.0	19.6

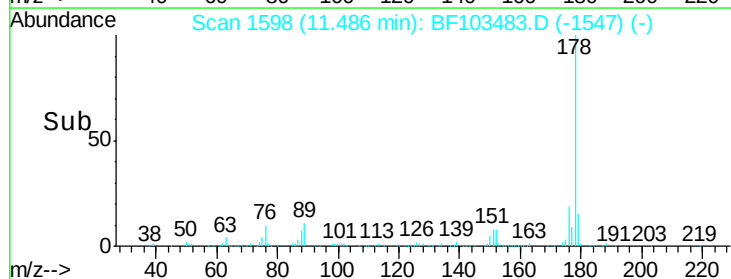
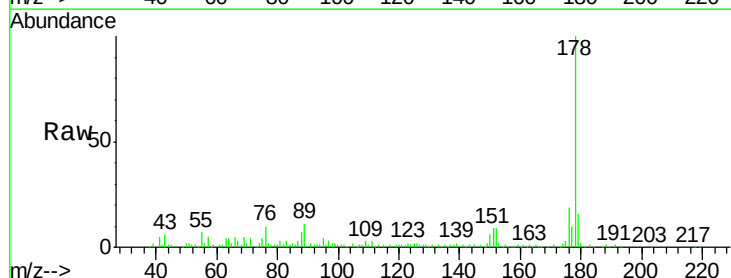
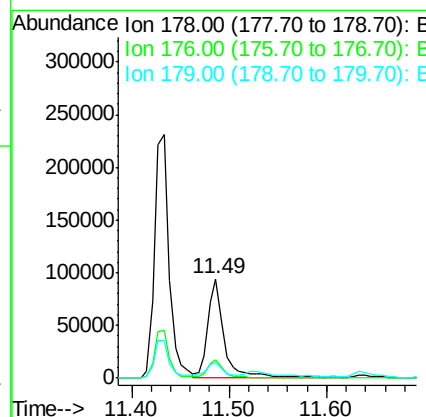
Manual Integrations
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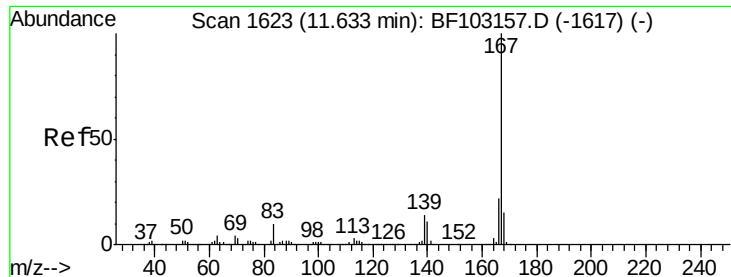
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#71
Anthracene
Concen: 5.570 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.6	12.6	19.0





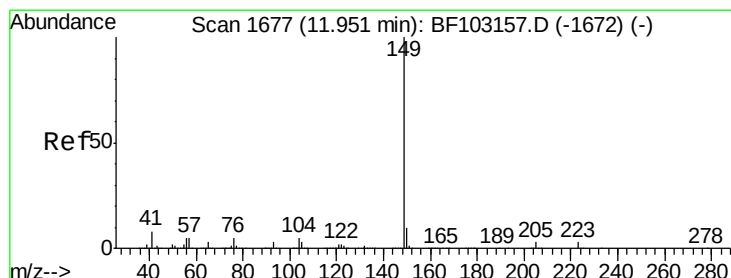
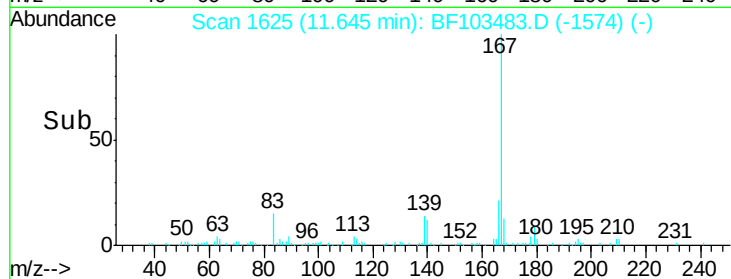
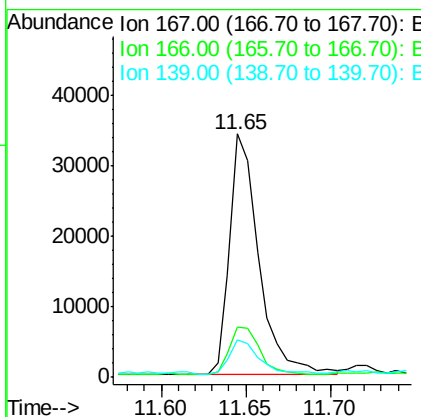
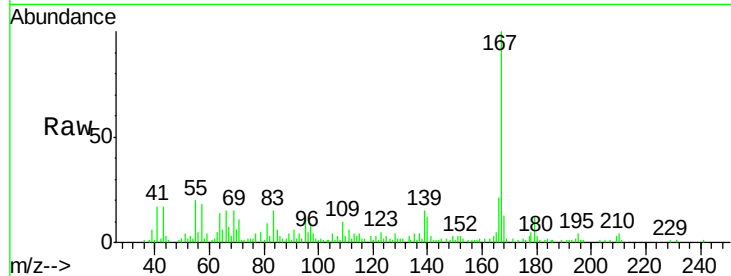
#72
 Carbazole
 Concen: 2.145 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BF103483.D
 Acq: 7 Mar 2018 3:39

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.6	26.4
139	15.3	10.9	16.3

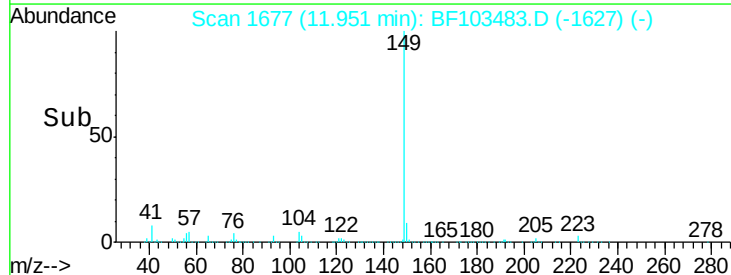
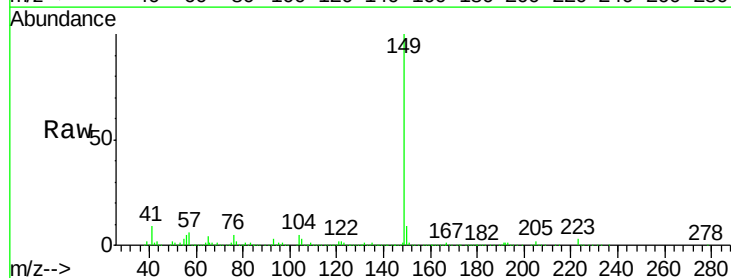
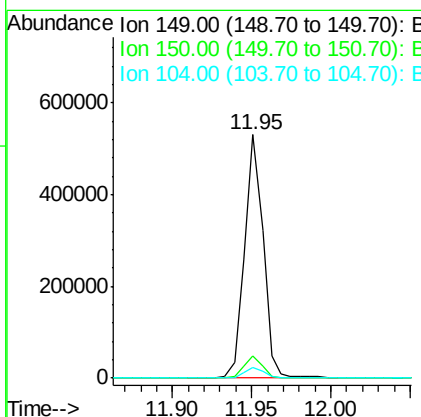
Manual Integrations
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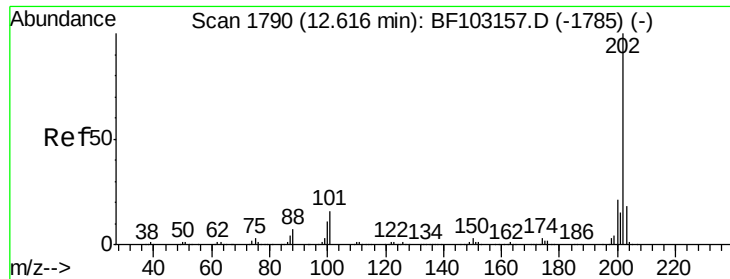
Sohil
 3/7/2018 12:17:48 PM



#73
 Di-n-butylphthalate
 Concen: 17.834 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BF103483.D
 Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.8	11.6
104	4.6	3.8	5.8





#74

Fluoranthene

Concen: 28.148 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103483.D

Acq: 7 Mar 2018 3:39

Instrument :

BNA_F

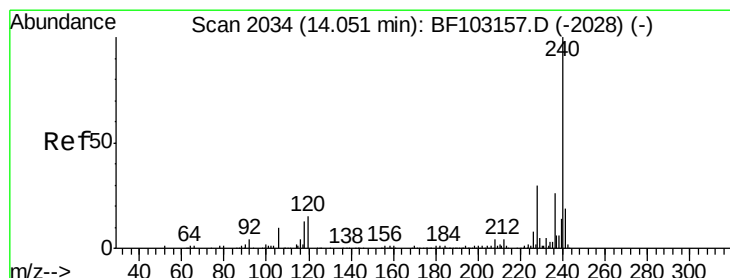
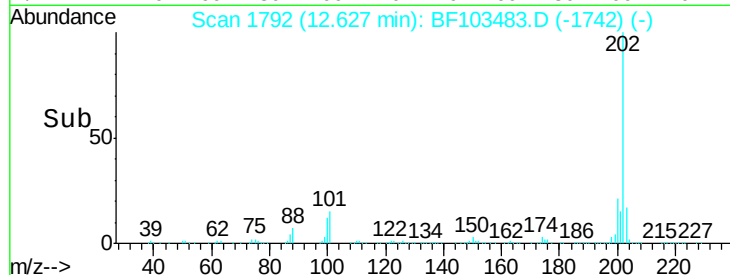
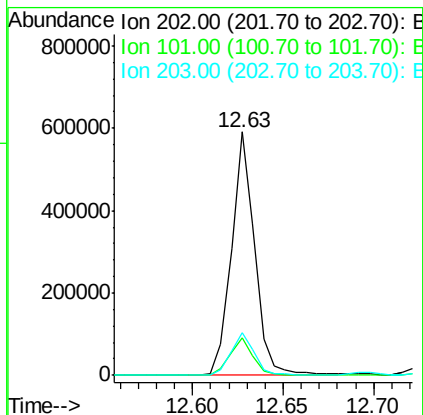
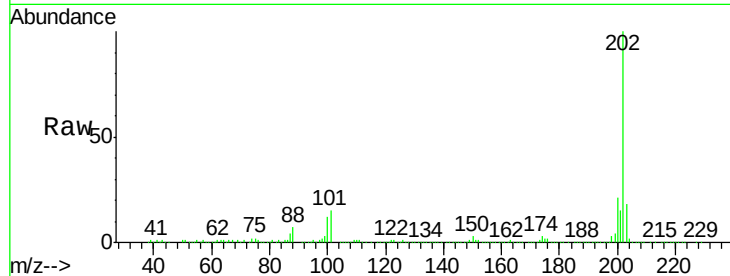
ClientSampled :

TP-8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.2	0.0	34.1
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

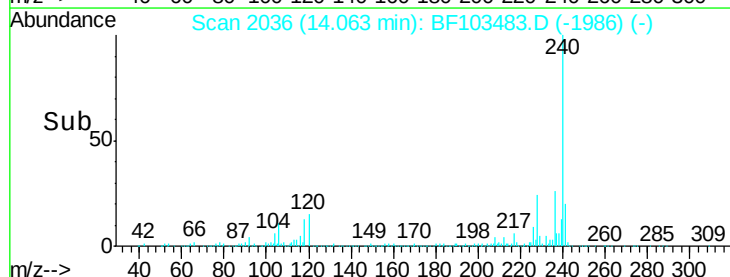
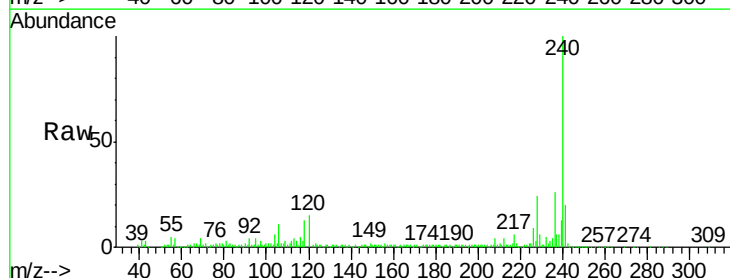
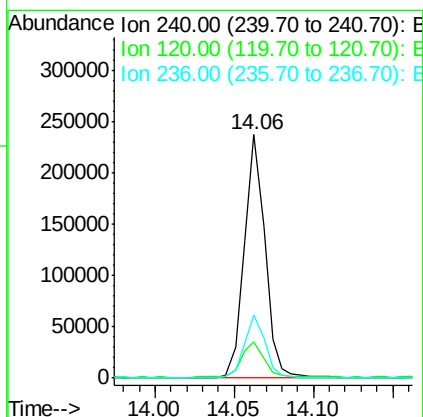
RT: 14.06 min Scan# 2036

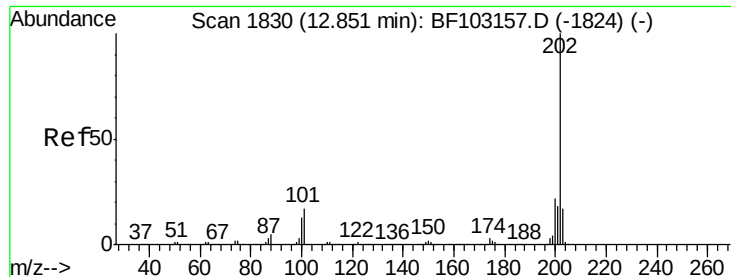
Delta R.T. -0.01 min

Lab File: BF103483.D

Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	25.9	20.7	31.1





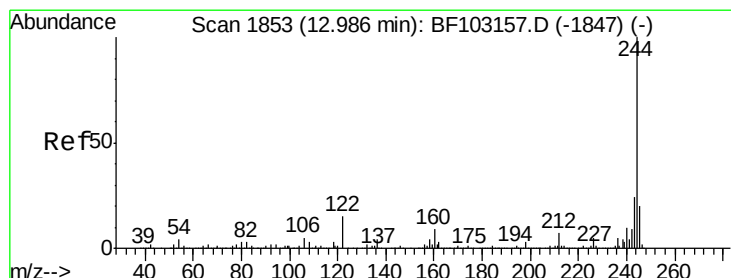
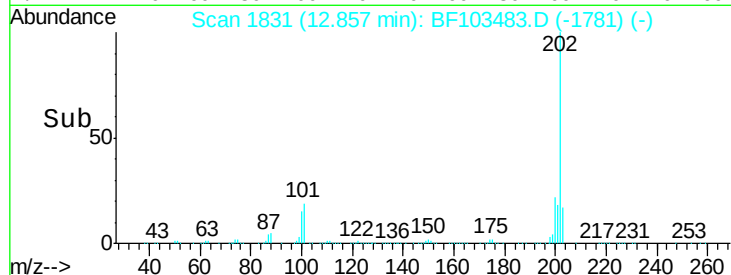
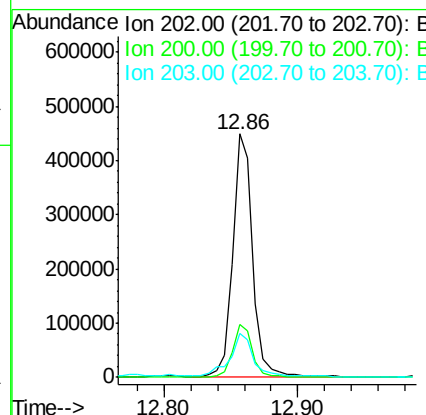
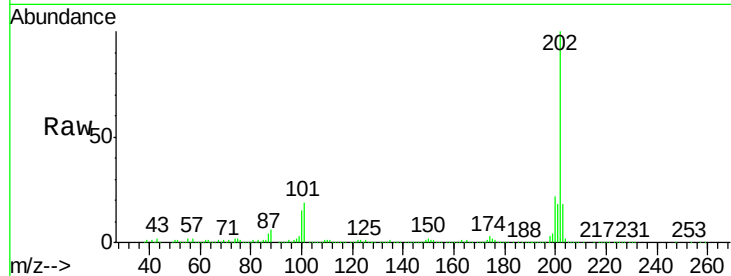
#77
Pvrene
Concen: 27.584 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.8	14.3	21.5

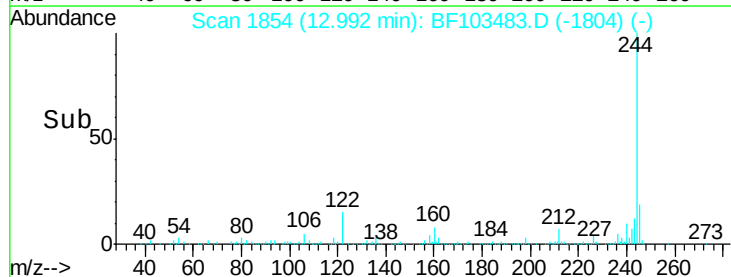
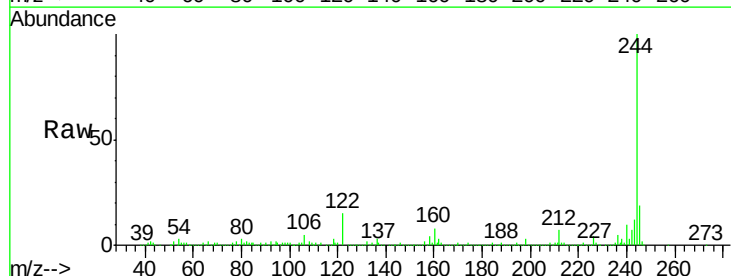
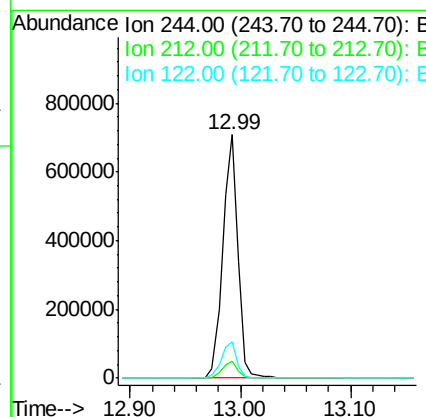
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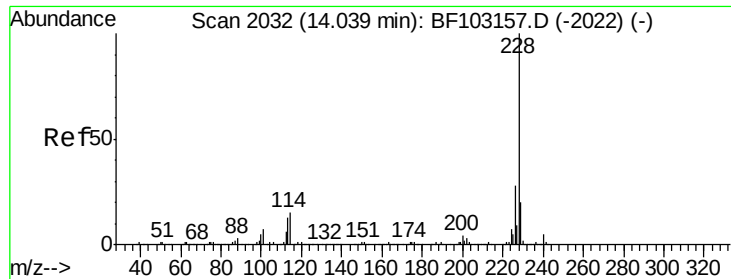
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#78
Terphenyl-d14
Concen: 74.272 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.8	11.0	16.4





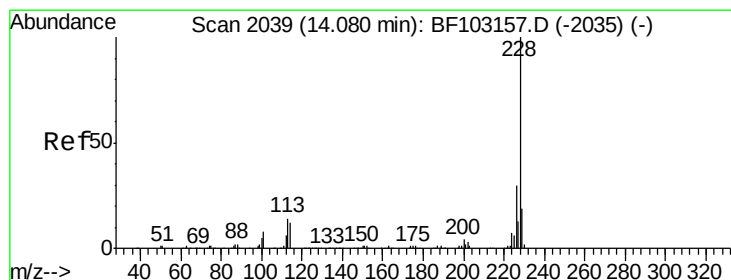
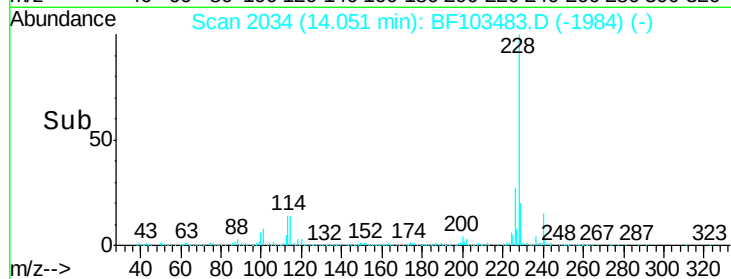
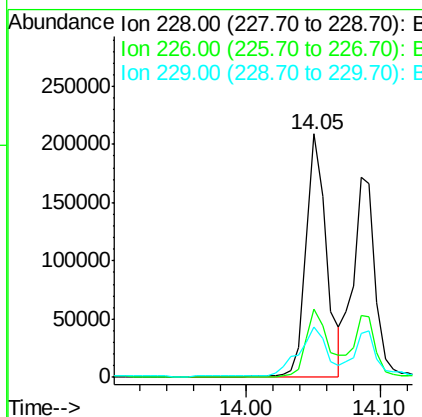
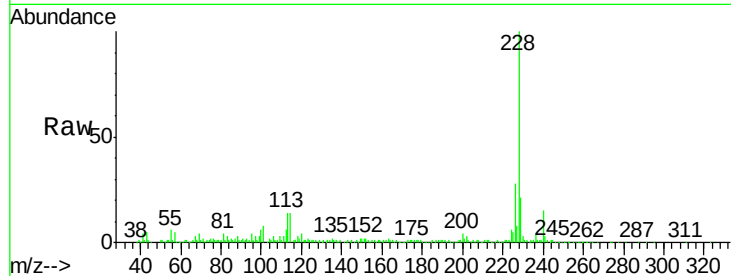
#80
Benzo(a)anthracene
Concen: 15.526 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.9	15.8	23.6

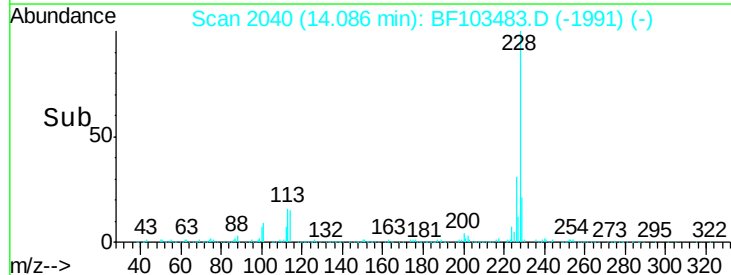
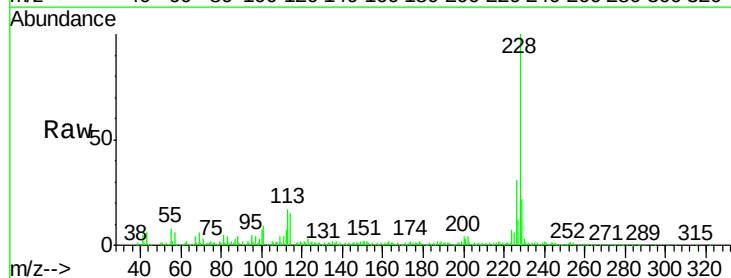
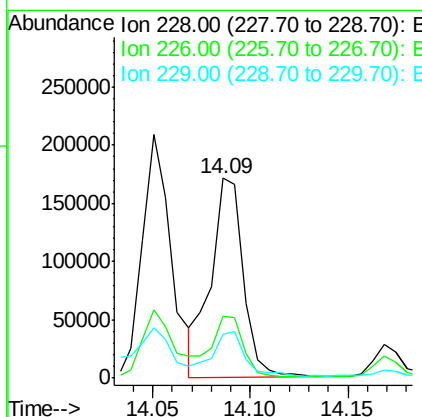
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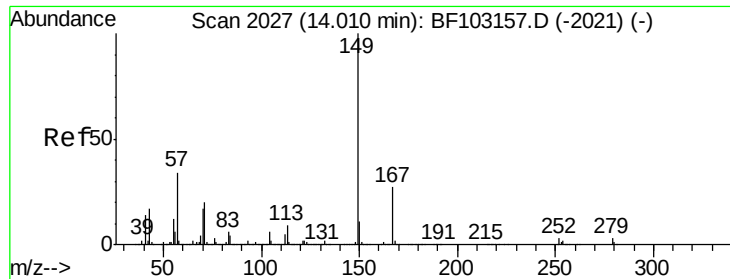
Sohil
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#82
Chrysene
Concen: 14.540 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.8	16.2	24.4





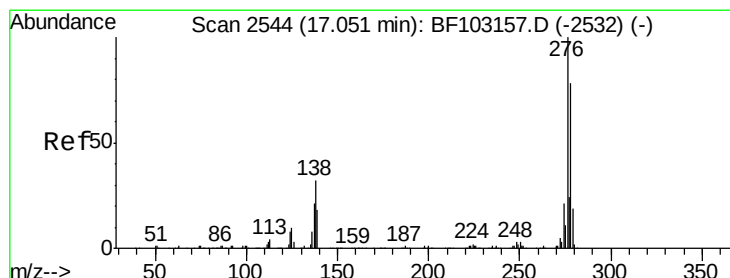
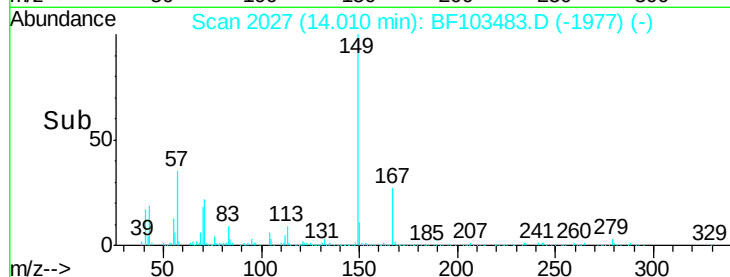
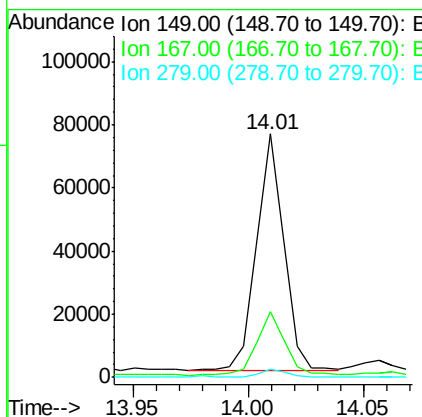
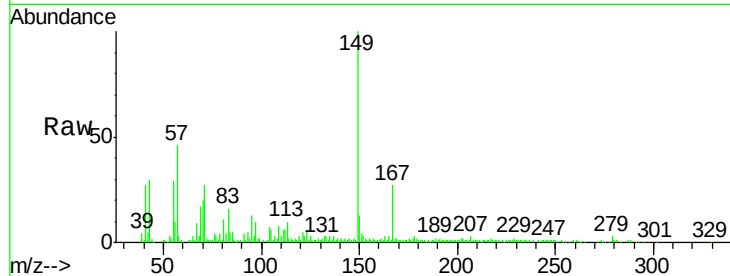
#83
Bis(2-ethylhexyl)phthalate
Concen: 5.108 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.3	31.9
279	3.1	3.0	4.4

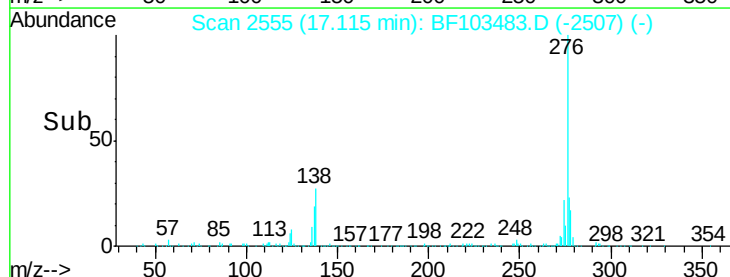
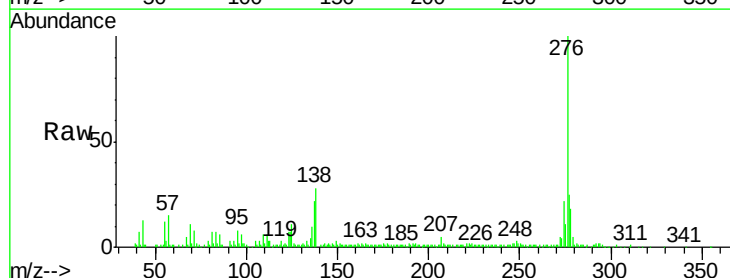
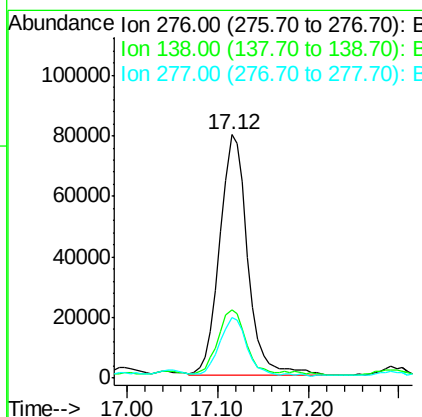
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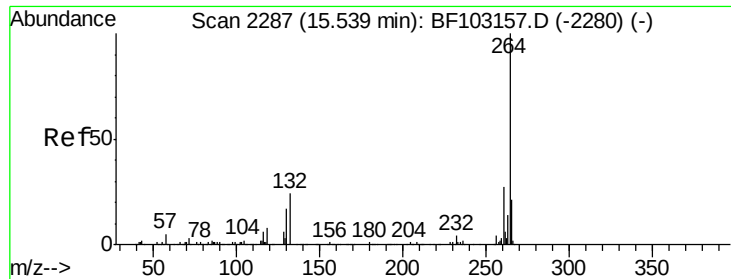
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#85
Indeno(1,2,3-cd)pyrene
Concen: 15.817 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	25.0	37.6
277	22.8	20.1	30.1





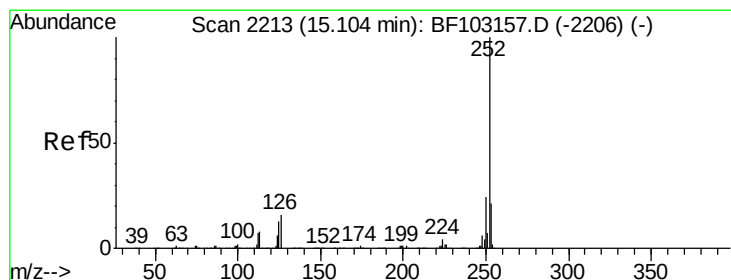
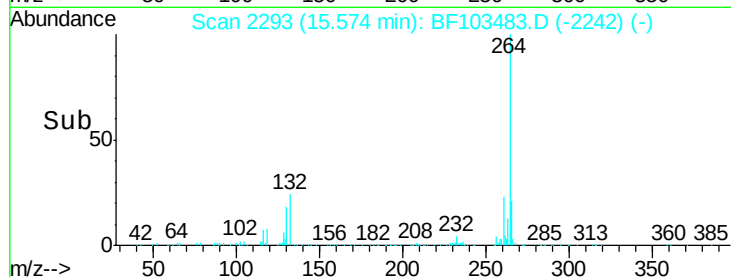
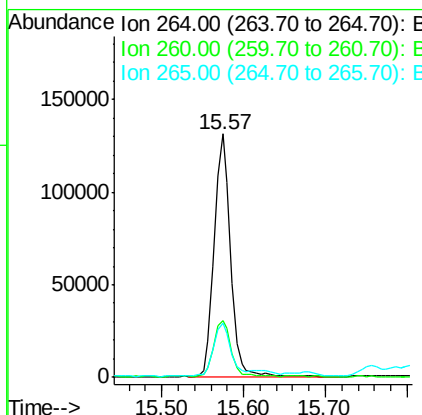
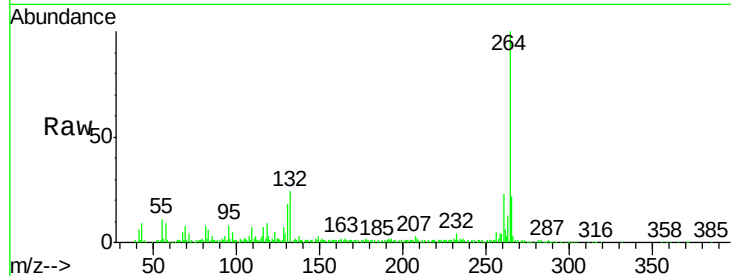
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	17.5	26.3

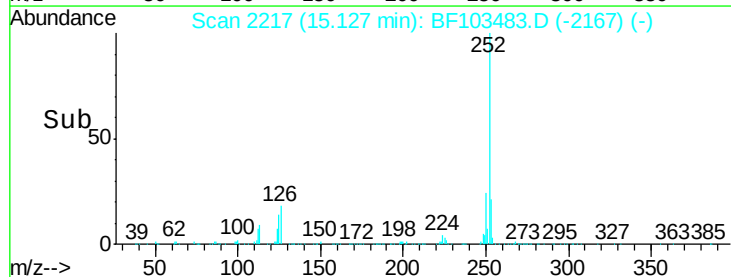
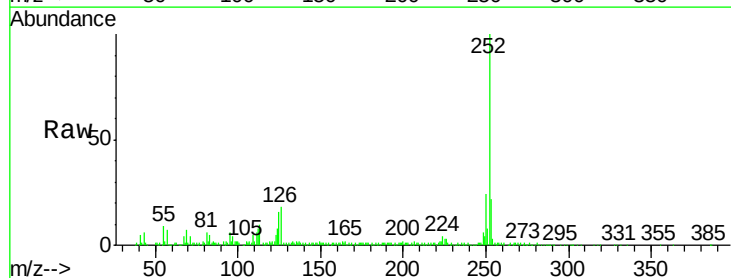
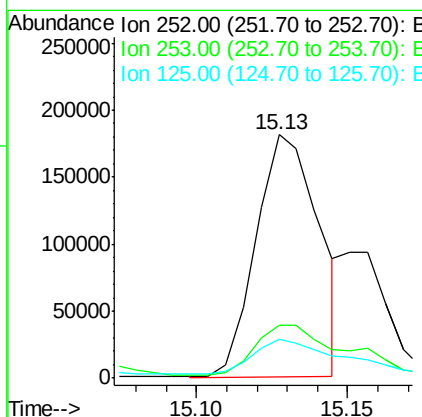
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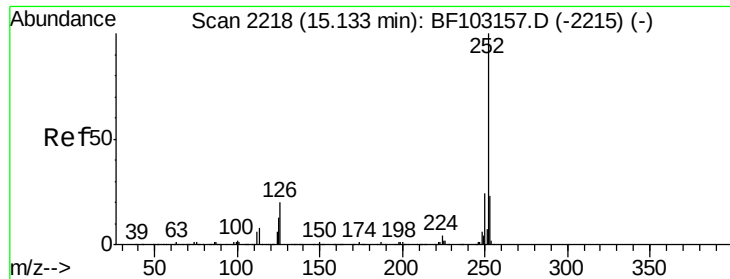
Sohil
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#87
Benzo(b)fluoranthene
Concen: 21.986 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	15.7	9.0	13.6#





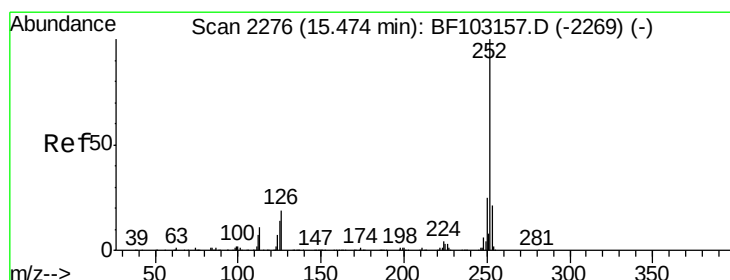
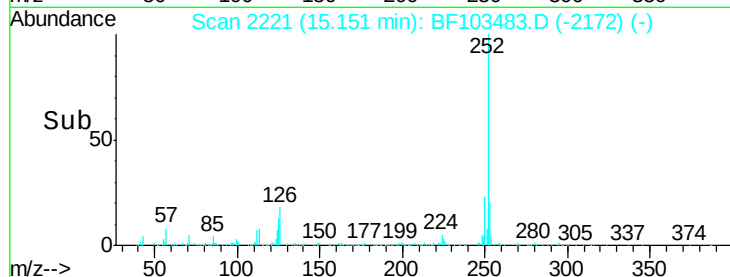
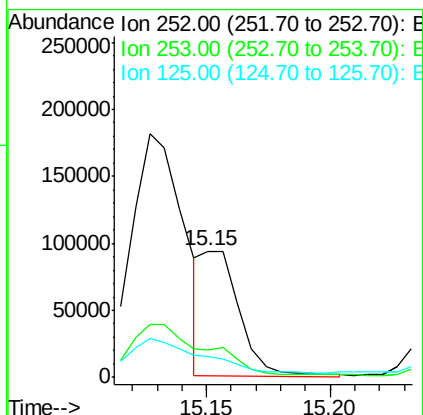
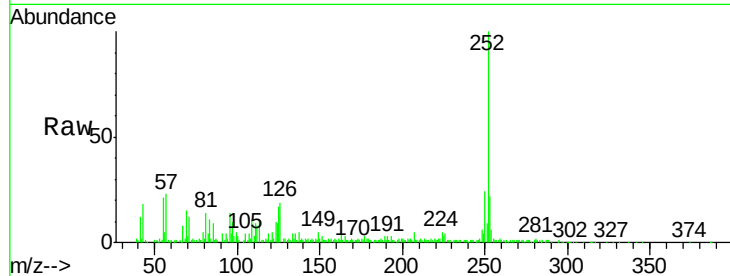
#88
Benzo(k)fluoranthene
Concen: 8.645 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	16.6	10.2	15.2

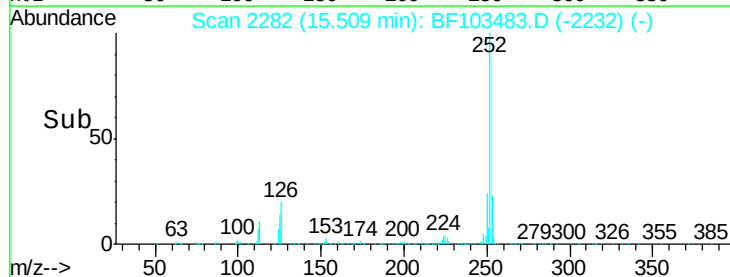
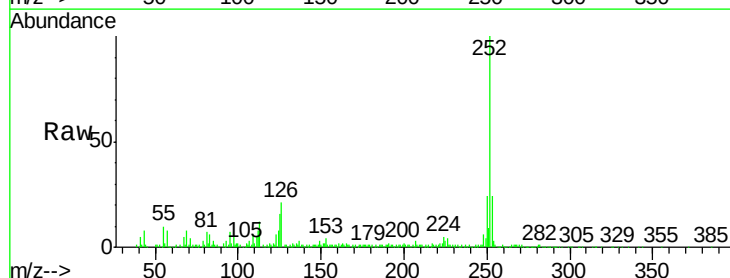
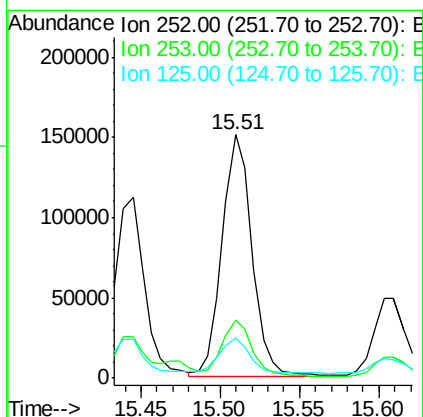
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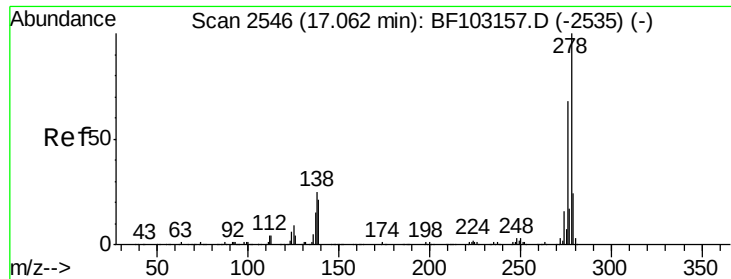
Sohil
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#89
Benzo(a)pyrene
Concen: 18.372 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	16.4	9.8	14.6





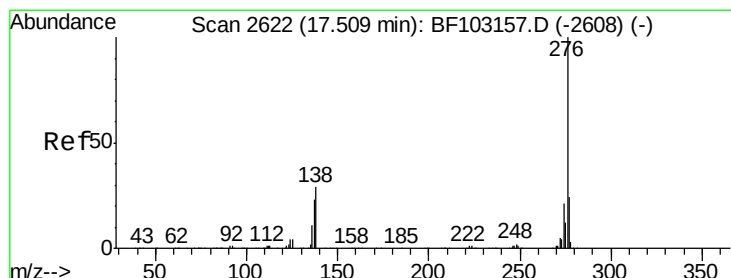
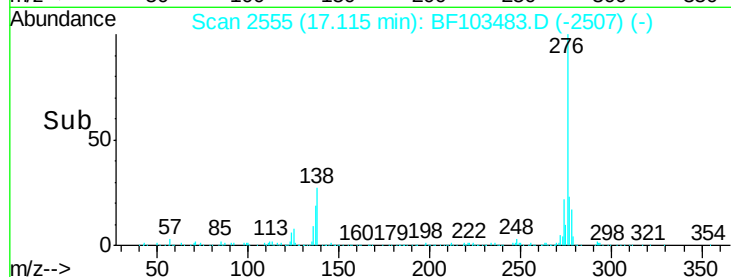
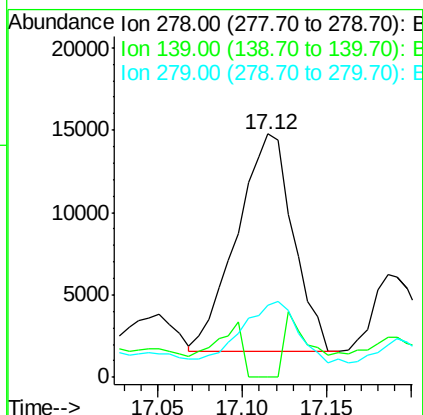
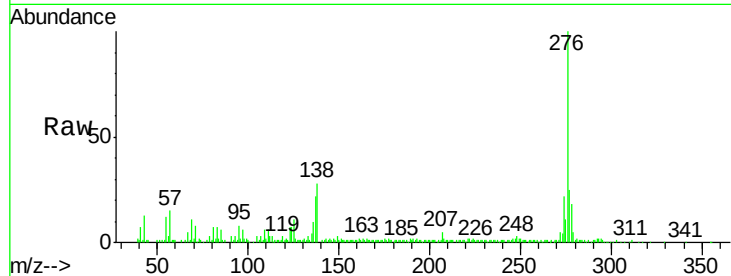
#90
Dibenzo(a,h)anthracene
Concen: 3.657 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.6	19.0	28.4#

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3/7/2018 12:17:48 PM



#91
Benzo(g,h,i)perylene
Concen: 22.446 ng
RT: 17.59 min Scan# 2635
Delta R.T. -0.01 min
Lab File: BF103483.D
Acq: 7 Mar 2018 3:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	30.5	21.8	32.8

