

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030918\
 Data File : BF103559.D
 Acq On : 9 Mar 2018 16:12
 Operator : SJ/JU
 Sample : J1855-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-COMP

Manual Integrations
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Sohil
 3/12/2018 3:50:19 PM

Quant Time: Mar 12 10:03:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	141324	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	590517	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	241744	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	356345	20.00	ng	0.00
75) Chrysene-d12	14.06	240	220811	20.00	ng	0.00
86) Perylene-d12	15.57	264	195123	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1063946	113.86	ng	0.00
7) Phenol-d6	6.50	99	1277446	111.72	ng	0.00
23) Nitrobenzene-d5	7.43	82	852443	82.44	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	173685	84.88	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1133235	79.51	ng	0.00
78) Terphenyl-d14	12.99	244	674057	73.38	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	94795	4.888	ng	99
51) Acenaphthene	9.94	154	31993	2.225	ng	99
70) Phenanthrene	11.43	178	339310	17.302	ng	99
71) Anthracene	11.49	178	82684	4.112	ng	98
72) Carbazole	11.65	167	52117	2.602	ng	96
74) Fluoranthene	12.62	202	410208	20.816	ng	98
77) Pyrene	12.86	202	332233	19.298	ng	99
80) Benzo(a)anthracene	14.04	228	127722	8.915	ng	96
82) Chrysene	14.09	228	135497m	9.740	ng	
85) Indeno(1,2,3-cd)pyrene	17.12	276	54298	4.930	ng	96
87) Benzo(b)fluoranthene	15.13	252	143962m	11.221	ng	
88) Benzo(k)fluoranthene	15.15	252	49809m	4.123	ng	
89) Benzo(a)pyrene	15.51	252	100595	8.781	ng	# 92
91) Benzo(a,h,i)perylene	17.60	276	50048	5.785	ng	# 87

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

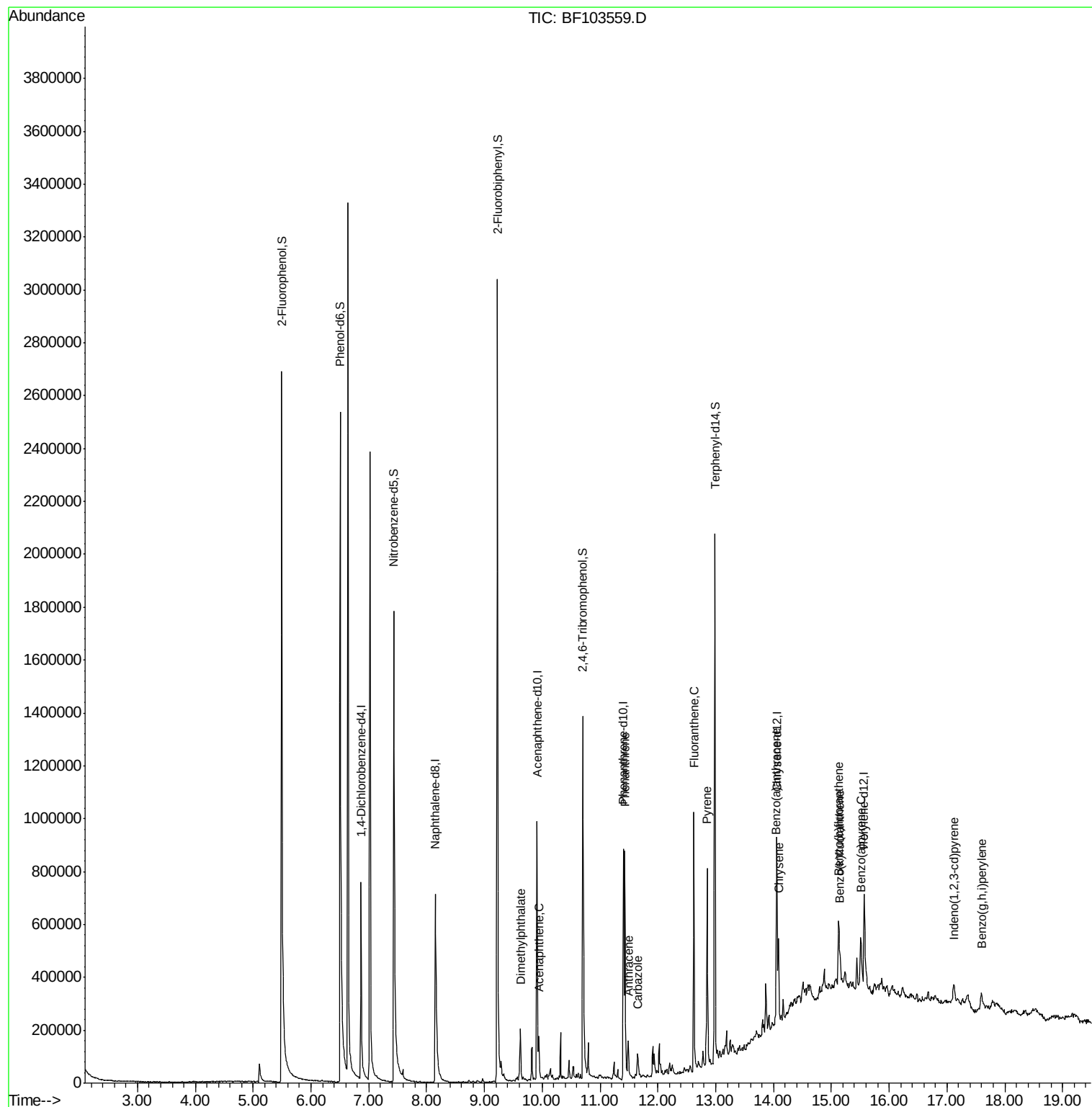
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030918\
Data File : BF103559.D
Acq On : 9 Mar 2018 16:12
Operator : SJ/JU
Sample : J1855-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

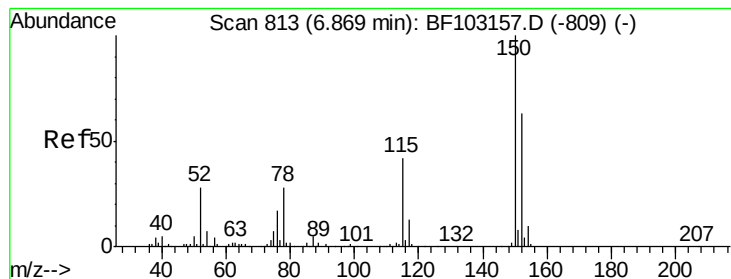
Instrument :
BNA_F
ClientSampled :
TP-4-COMP

Manual Integrations
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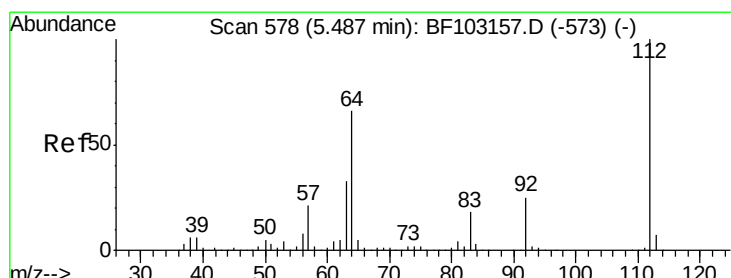
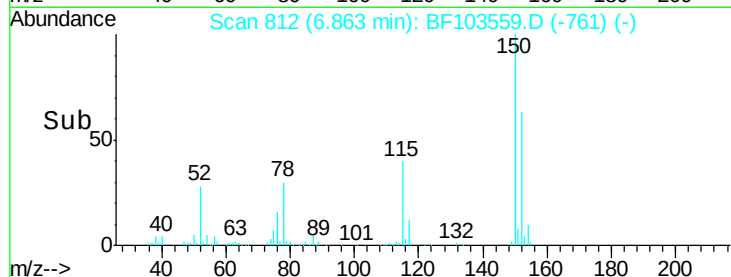
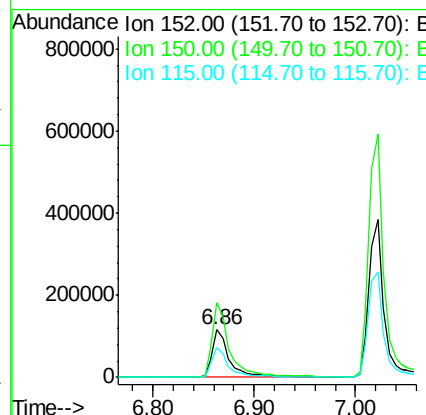
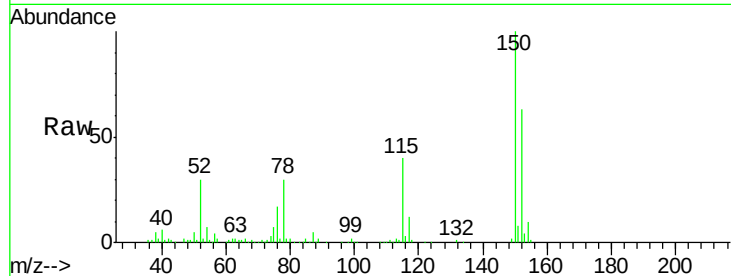
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF103559.D
 Acq: 9 Mar 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	63.5	50.1	75.1

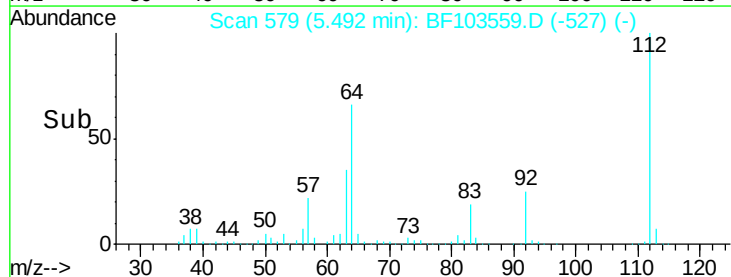
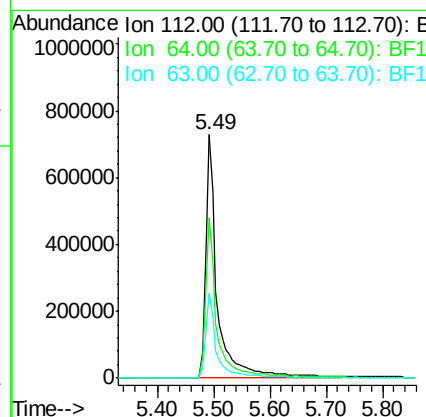
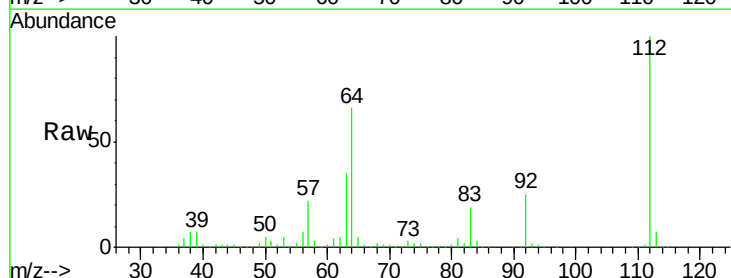
Manual Integrations
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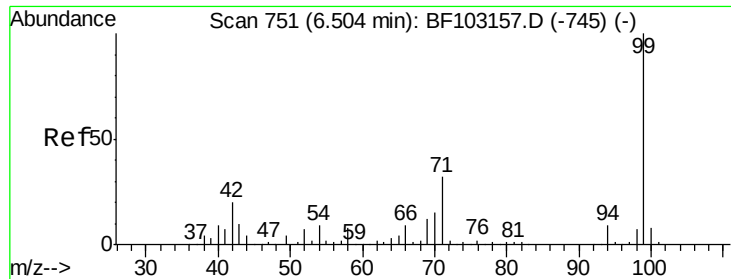
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#5
 2-Fluorophenol
 Concen: 113.862 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF103559.D
 Acq: 9 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	47.9	71.9
63	35.0	23.7	35.5





#7

Phenol-d6

Concen: 111.723 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103559.D

Acq: 9 Mar 2018 16:12

Instrument :

BNA_F

ClientSampleId :

TP-4-COMP

Tot Ion: 99 Resp: 1277446

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

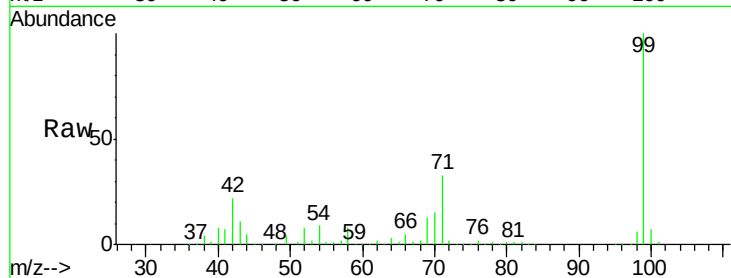
71 33.1 25.4 38.0

Manual Integrations

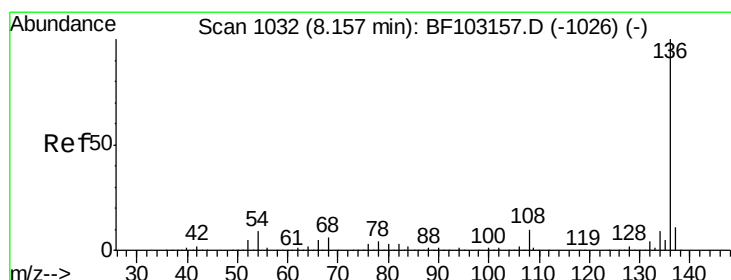
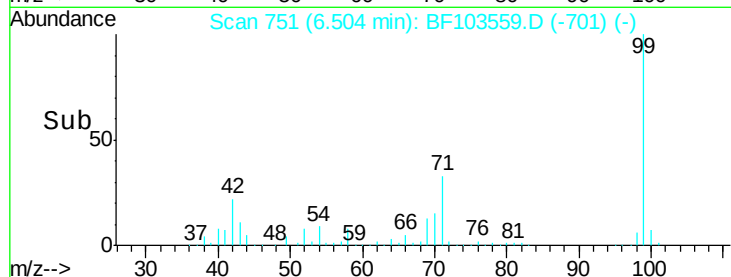
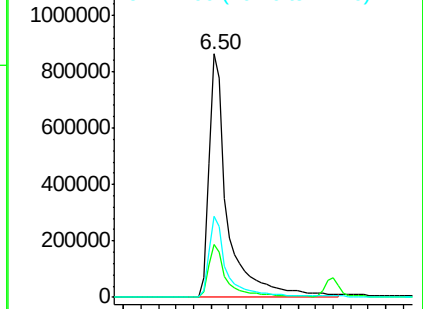
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF103559.D

Acq: 9 Mar 2018 16:12

Tgt Ion:136 Resp: 590517

Ion Ratio Lower Upper

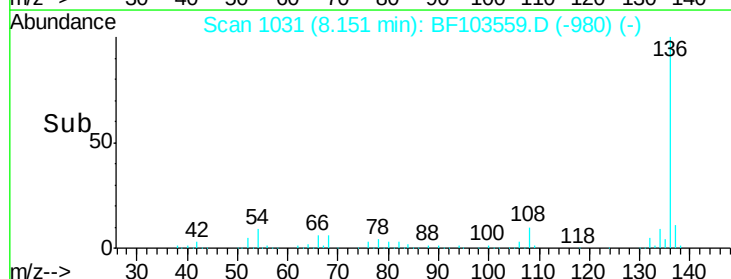
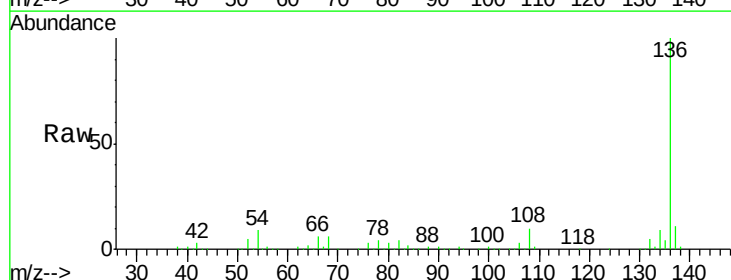
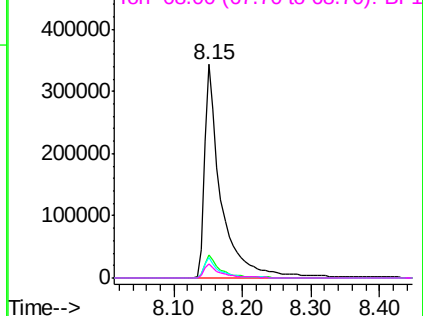
136 100

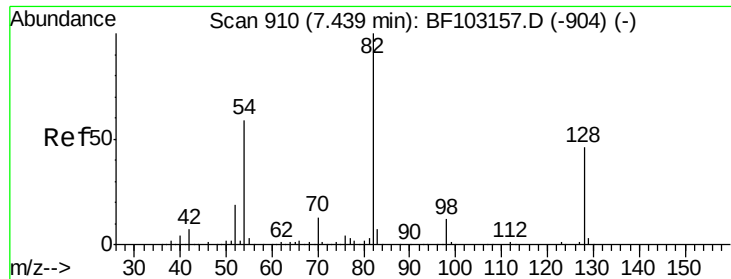
137 11.1 8.9 13.3

54 9.3 6.6 9.8

68 6.5 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





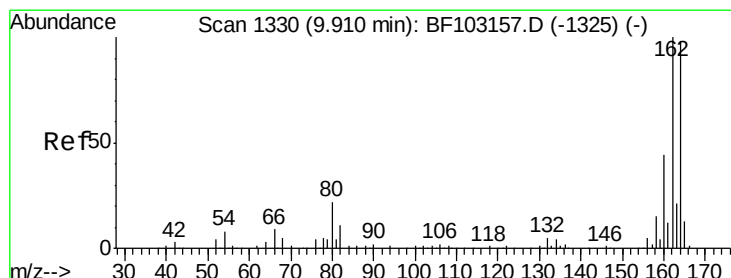
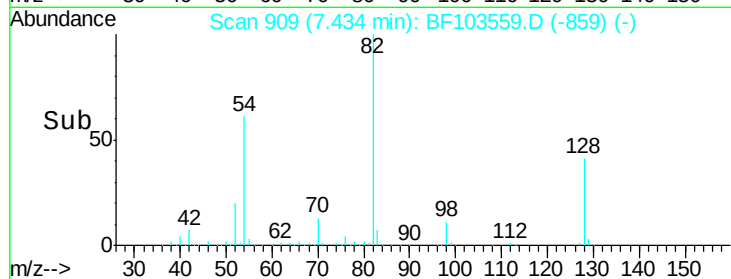
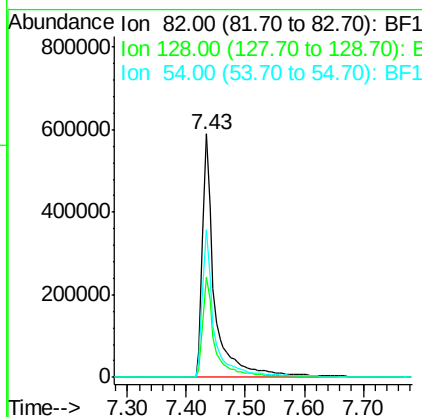
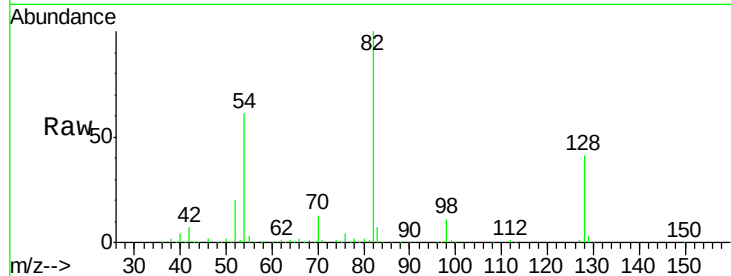
#23
 Nitrobenzene-d5
 Concen: 82.439 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103559.D
 Acq: 9 Mar 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.3	36.1	54.1
54	60.8	41.4	62.2

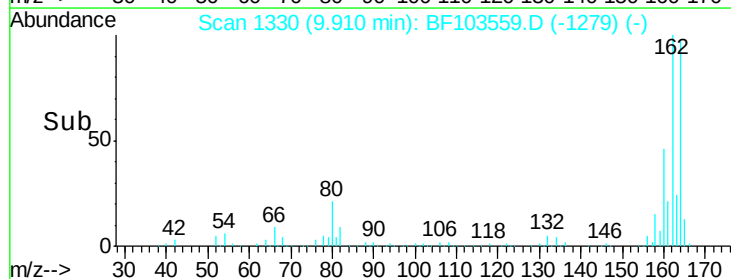
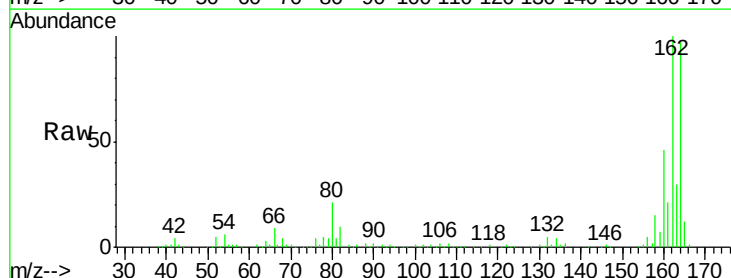
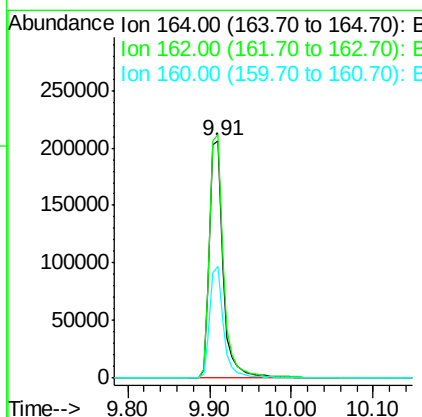
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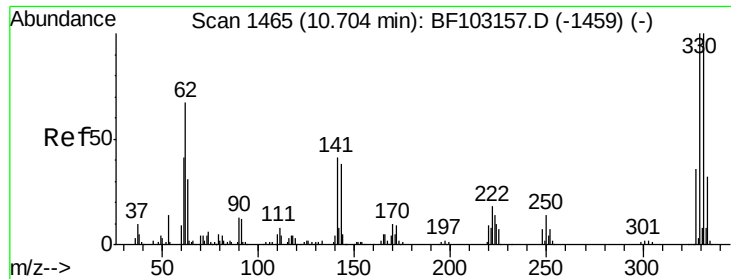
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BF103559.D
 Acq: 9 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	47.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 84.880 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF103559.D

Acq: 9 Mar 2018 16:12

Instrument :

BNA_F

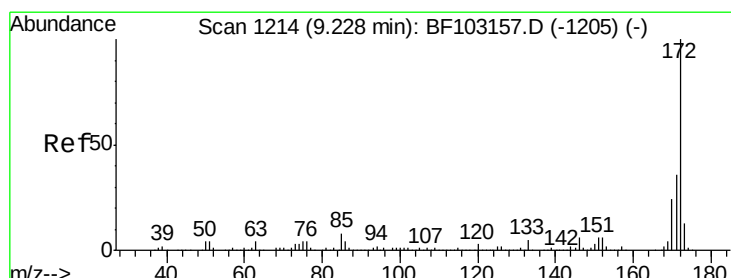
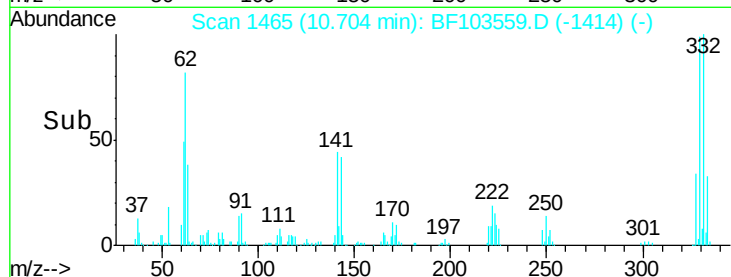
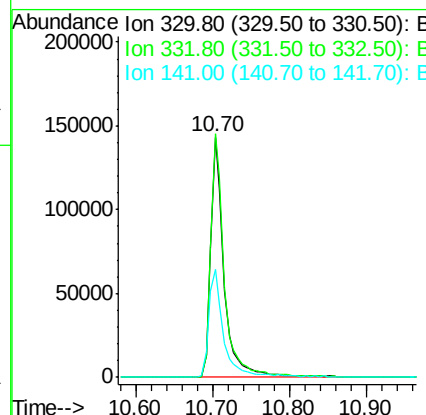
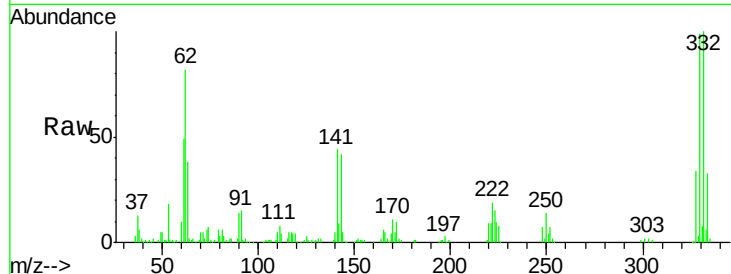
ClientSampleId :

TP-4-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	173685		
332	103.3	77.0	115.6	
141	50.0	29.9	44.9	

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 79.510 ng

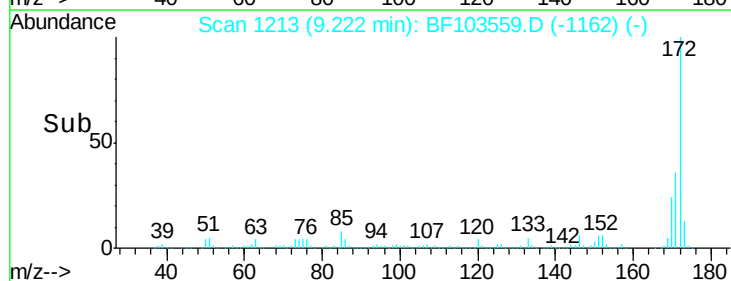
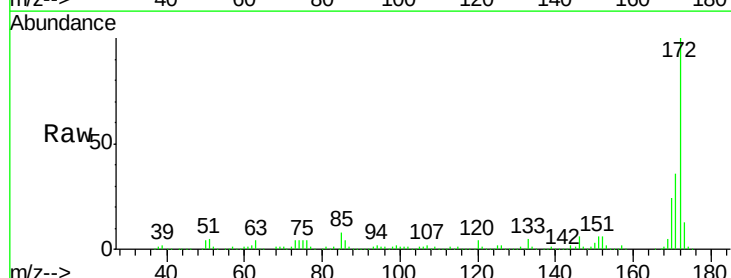
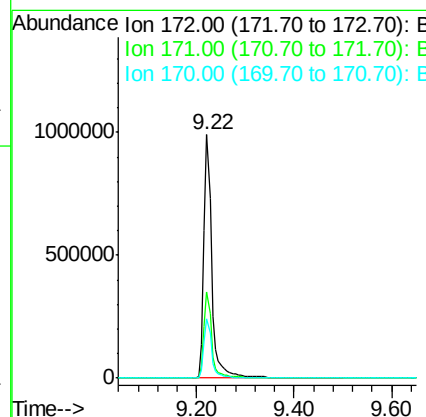
RT: 9.22 min Scan# 1213

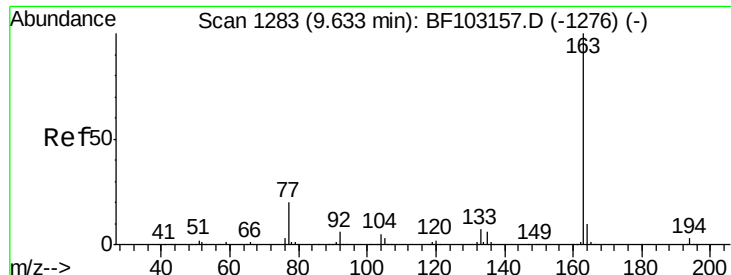
Delta R.T. 0.00 min

Lab File: BF103559.D

Acq: 9 Mar 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1133235		
171	35.5	29.7	44.5	
170	24.4	19.6	29.4	





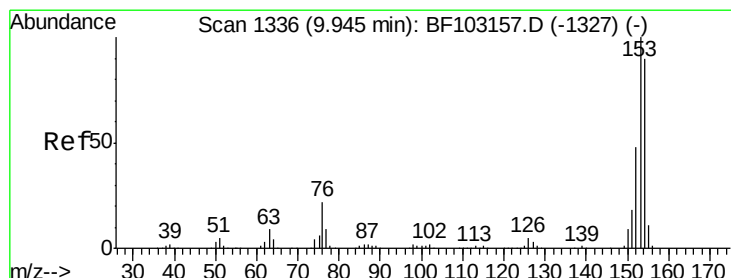
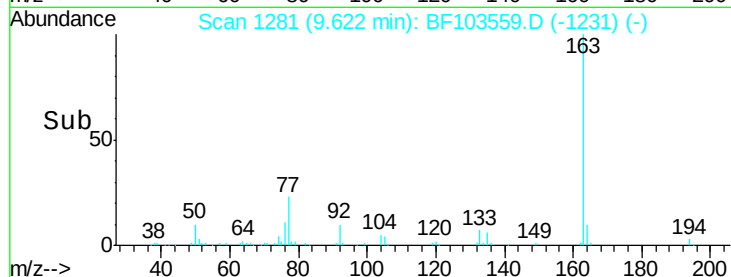
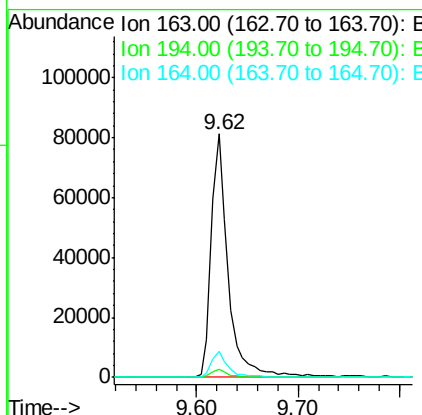
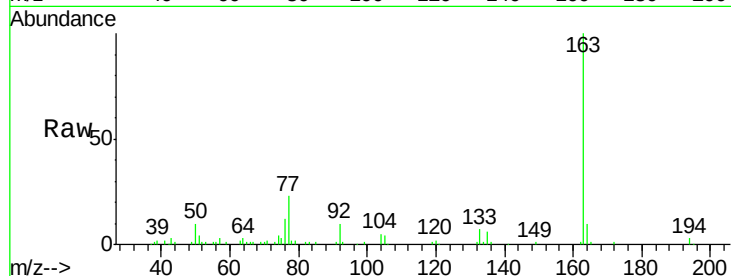
#49
Dimethylphthalate
Concen: 4.888 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Instrument :
BNA_F
ClientSampled :
TP-4-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.5	8.2	12.2

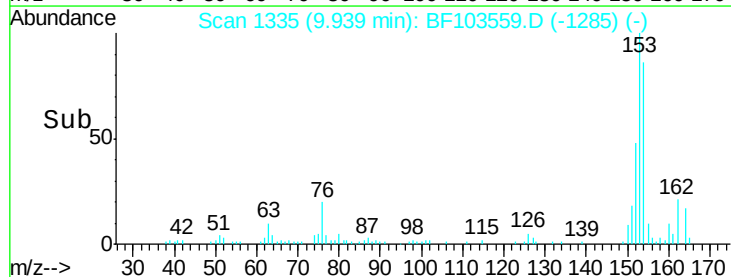
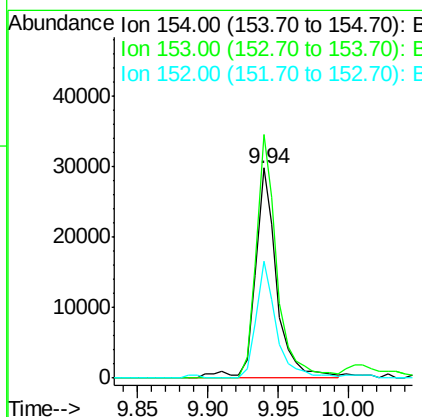
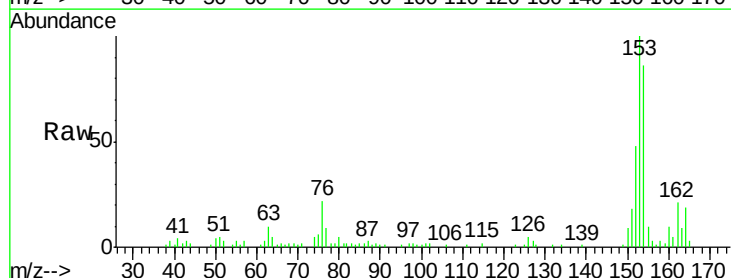
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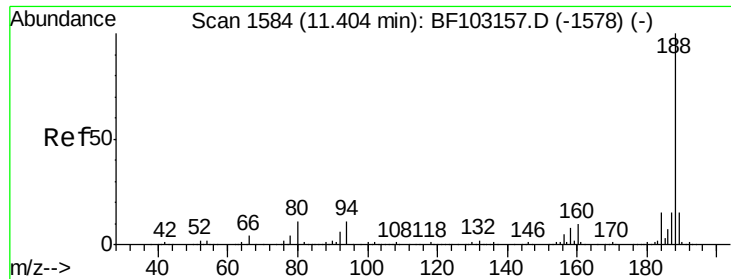
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#51
Acenaphthene
Concen: 2.225 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.8	91.2	136.8
152	55.6	43.8	65.8





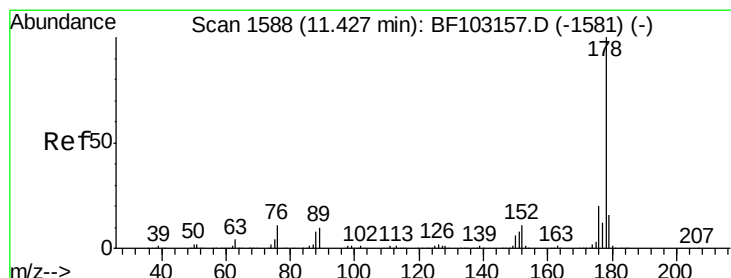
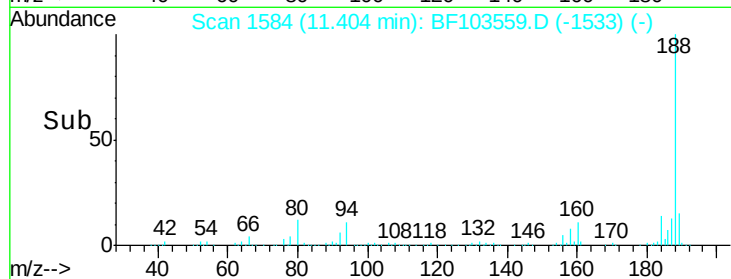
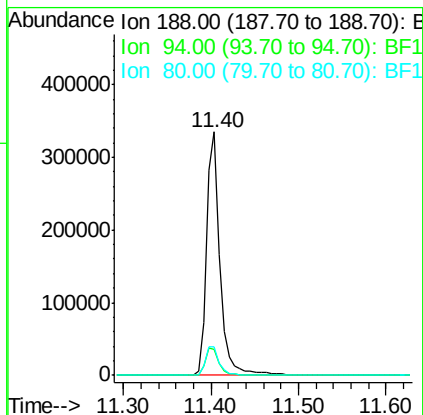
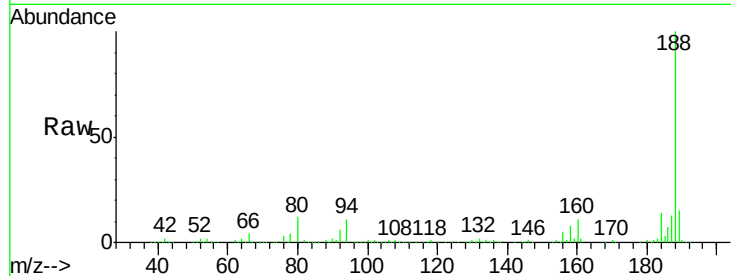
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
TP-4-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	356345		
94	10.7		8.5	12.7
80	11.6		9.2	13.8

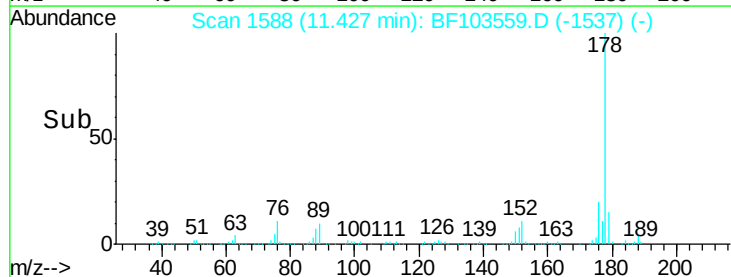
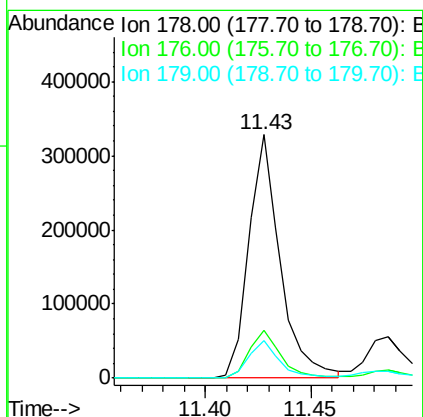
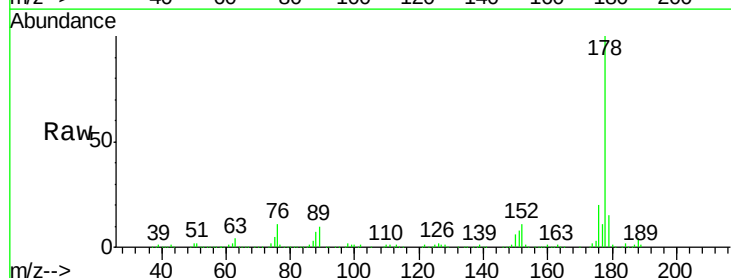
Manual Integrations
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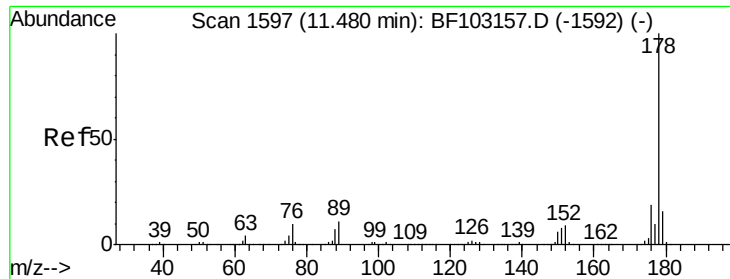
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#70
Phenanthrene
Concen: 17.302 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	339310		
176	19.7		15.8	23.8
179	15.5		13.0	19.6





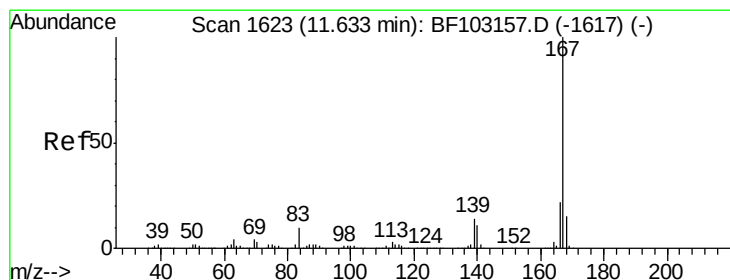
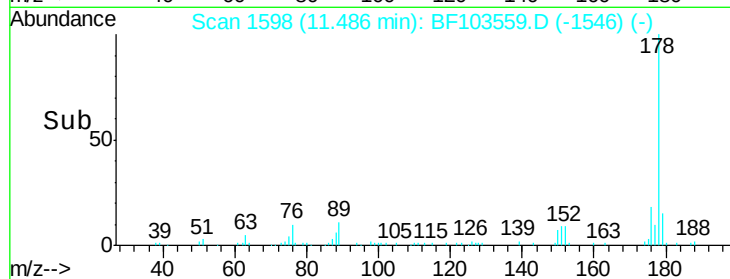
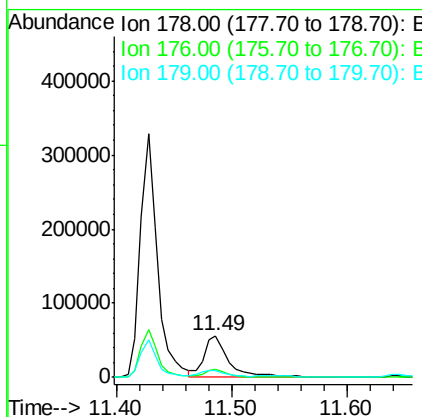
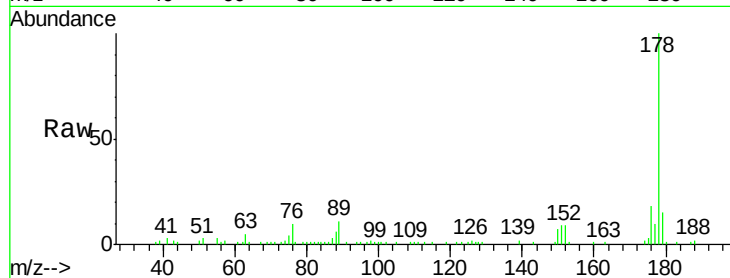
#71
 Anthracene
 Concen: 4.112 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF103559.D
 Acq: 9 Mar 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.3	12.6	19.0

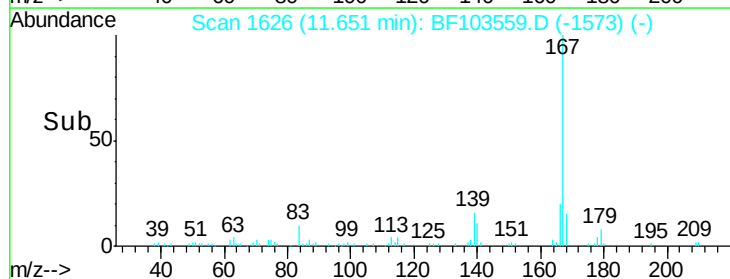
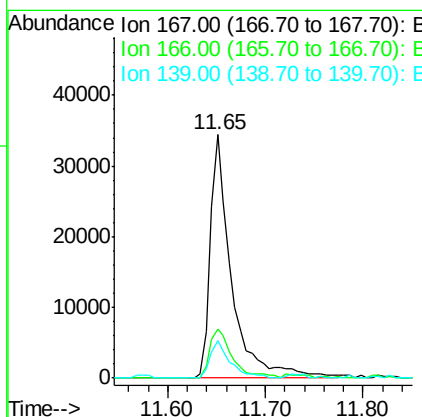
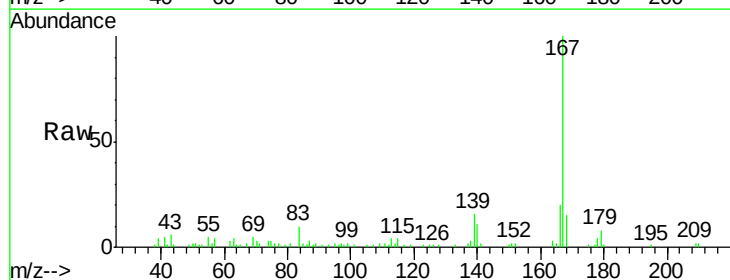
Manual Integrations
 APPROVED

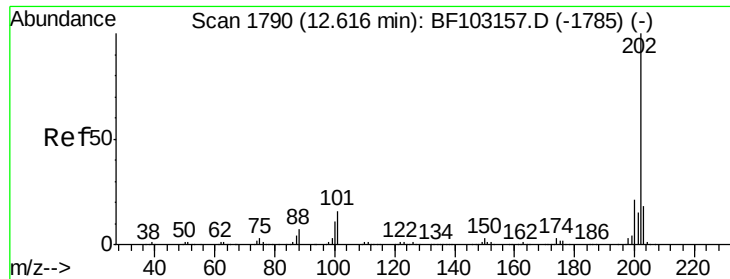
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#72
 Carbazole
 Concen: 2.602 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. 0.01 min
 Lab File: BF103559.D
 Acq: 9 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.2	17.6	26.4
139	15.6	10.9	16.3





#74

Fluoranthene

Concen: 20.816 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103559.D

Acq: 9 Mar 2018 16:12

Instrument :

BNA_F

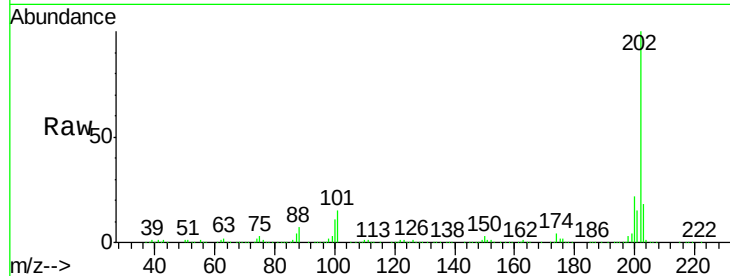
ClientSampleId :

TP-4-COMP

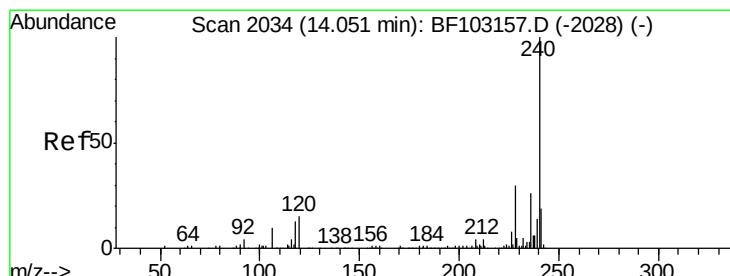
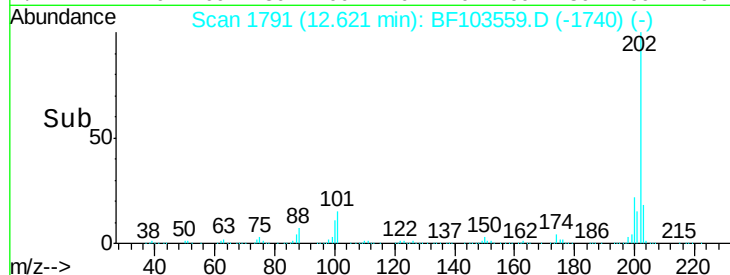
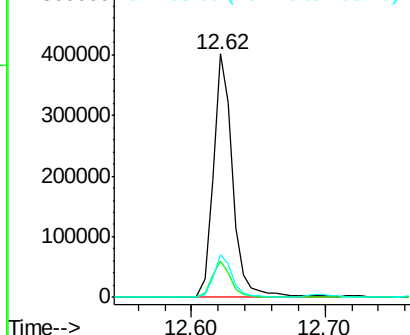
Tot Ion:	202	Resp:	410208
Ion Ratio		Lower	Upper
202	100		
101	14.8	0.0	34.1
203	17.5	0.0	38.1

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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: 20.000 ng

RT: 14.06 min Scan# 2035

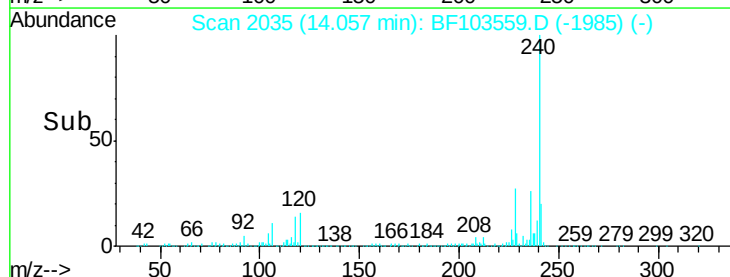
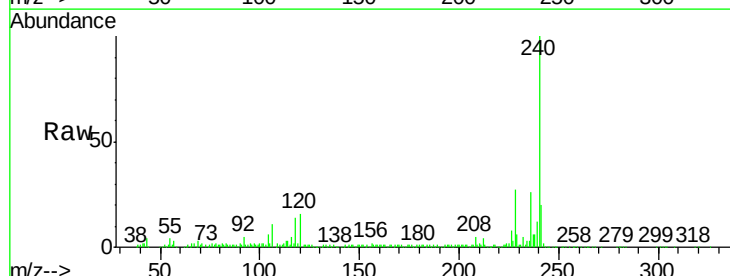
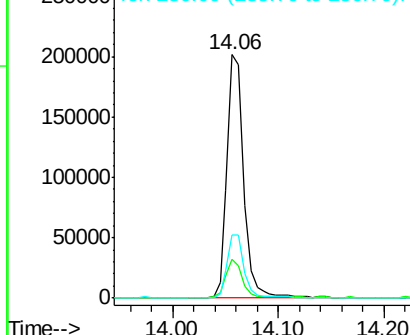
Delta R.T. -0.01 min

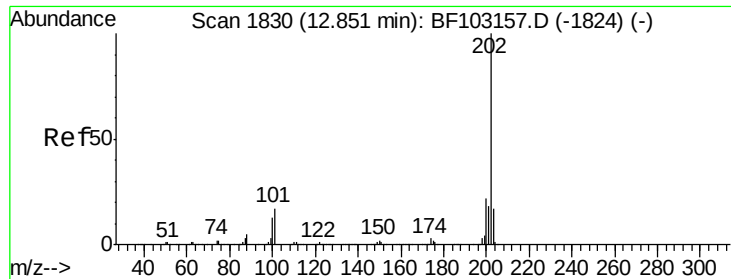
Lab File: BF103559.D

Acq: 9 Mar 2018 16:12

Tgt Ion:	240	Resp:	220811
Ion Ratio		Lower	Upper
240	100		
120	16.1	9.5	14.3#
236	26.1	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: 19.298 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103559.D

Acq: 9 Mar 2018 16:12

Instrument :

BNA_F

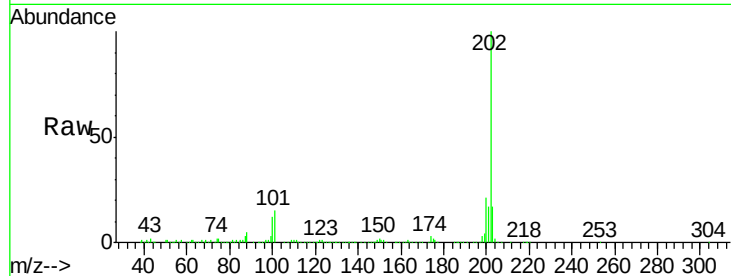
ClientSampleId :

TP-4-COMP

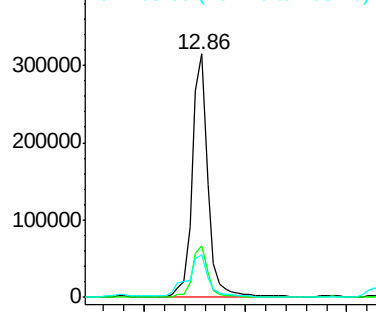
Tot Ion:	202	Resp:	332233
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.3	14.3	21.5

Manual Integrations
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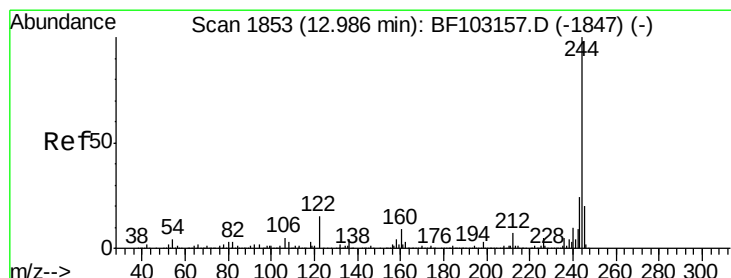
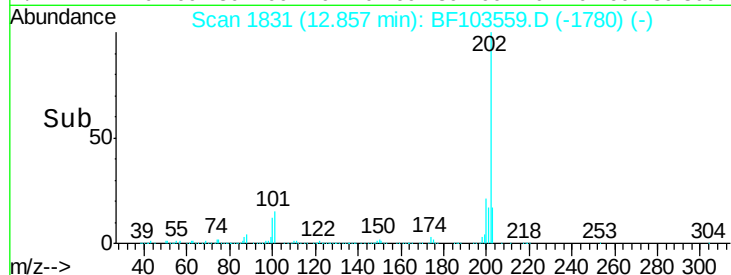
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 73.381 ng

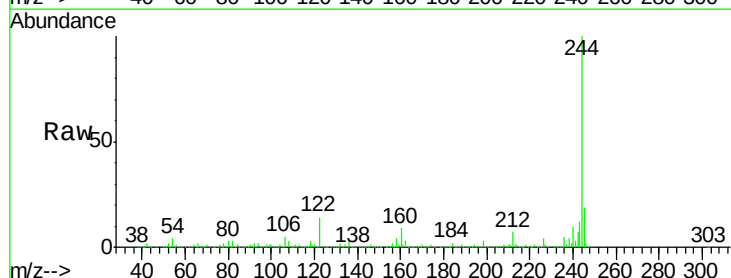
RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

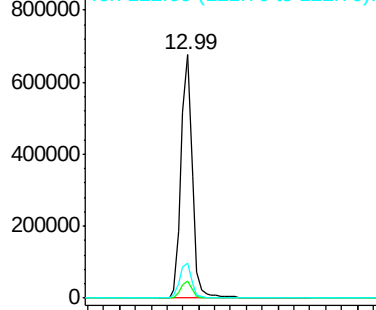
Lab File: BF103559.D

Acq: 9 Mar 2018 16:12

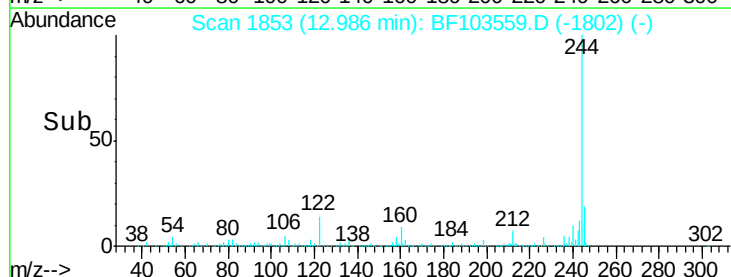
Tgt Ion:	244	Resp:	674057
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.5	11.0	16.4

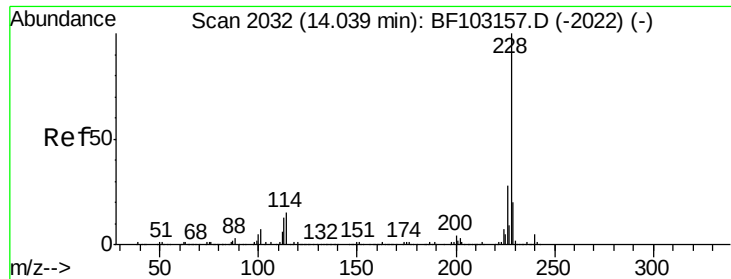


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





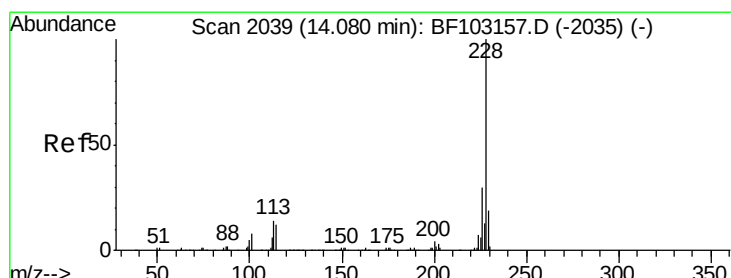
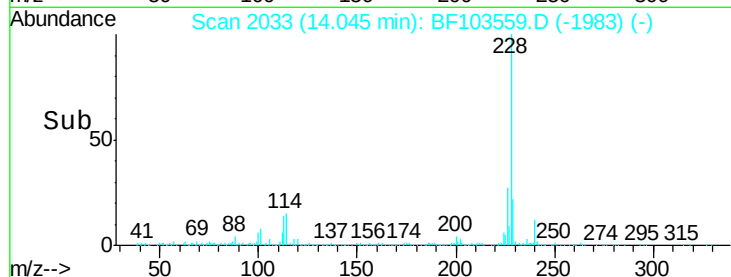
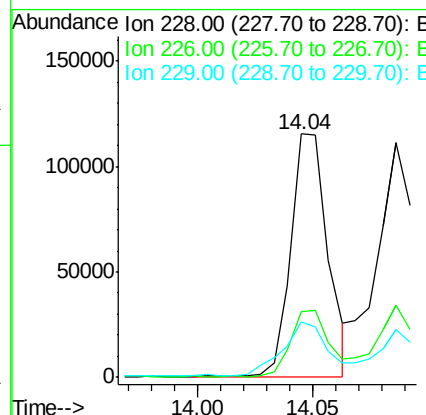
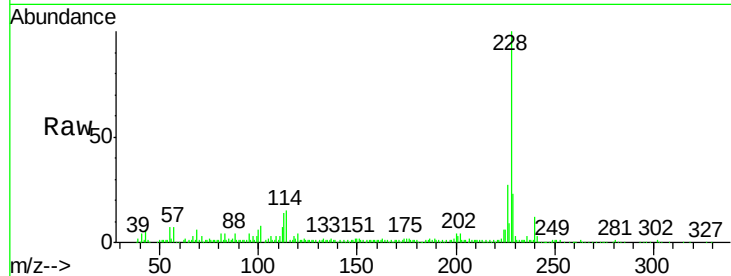
#80
Benzo(a)anthracene
Concen: 8.915 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
TP-4-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	22.7	15.8	23.6

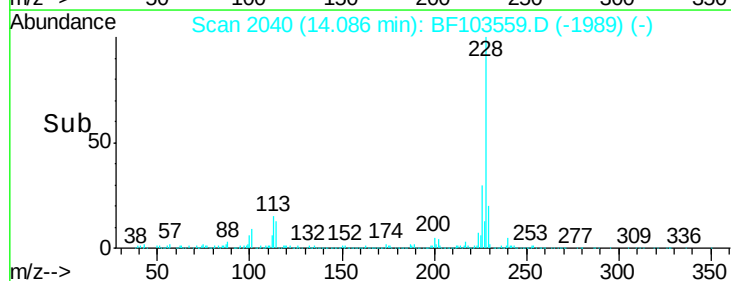
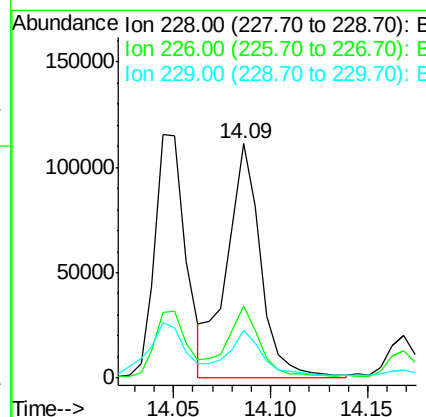
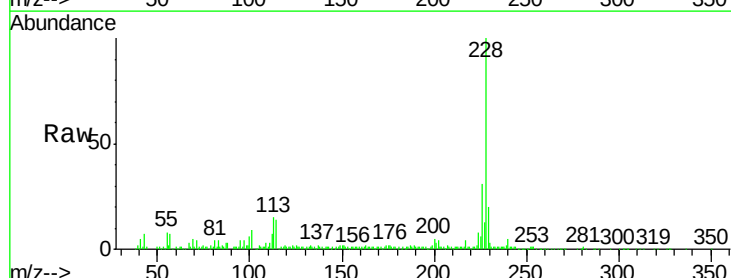
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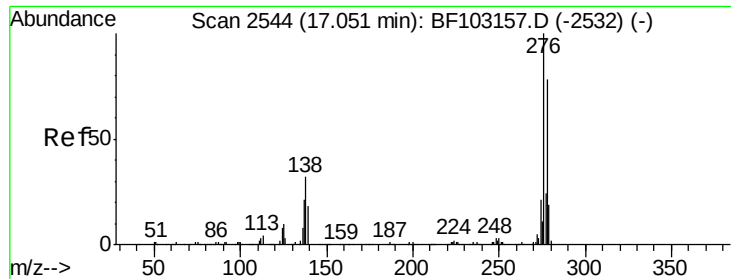
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#82
Chrysene
Concen: 9.740 ng m
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	20.3	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.930 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BF103559.D

Acq: 9 Mar 2018 16:12

Instrument :

BNA_F

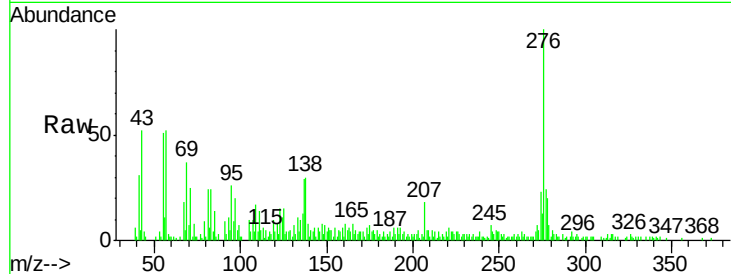
ClientSampleId :

TP-4-COMP

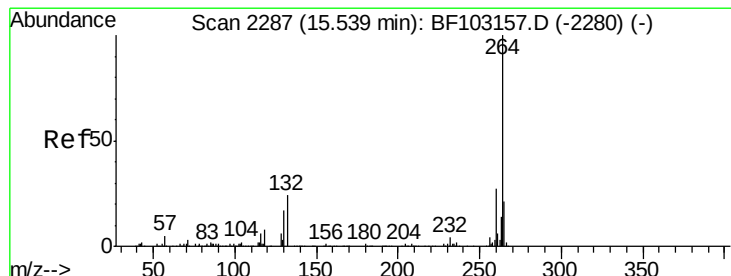
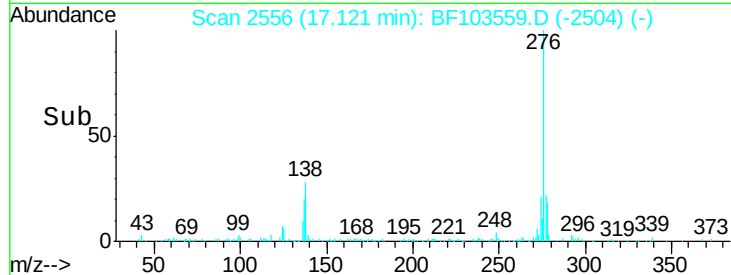
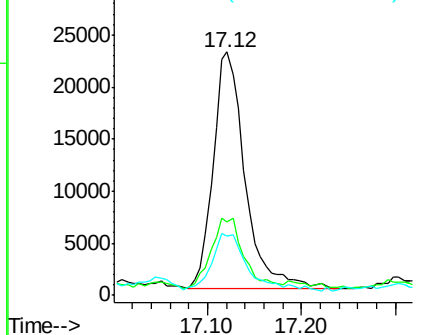
Tot Ion:	276	Resp:	54298
Ion Ratio	Lower	Upper	
276	100		
138	29.8	25.0	37.6
277	27.7	20.1	30.1

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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

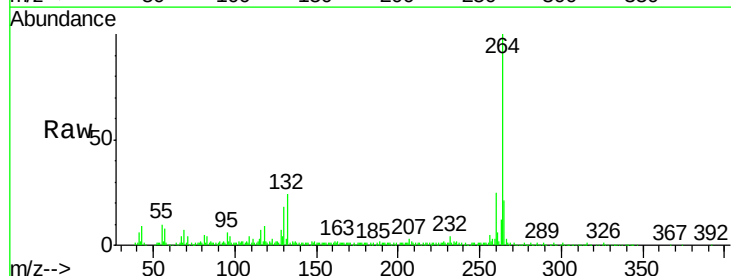
RT: 15.57 min Scan# 2292

Delta R.T. 0.00 min

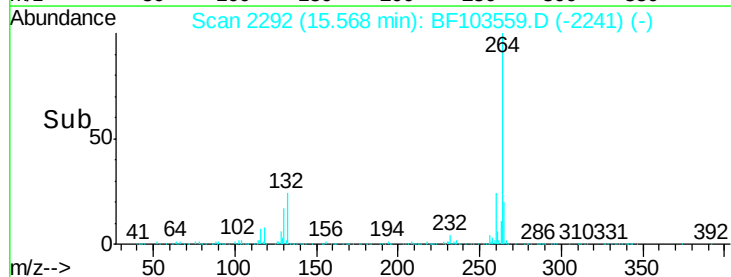
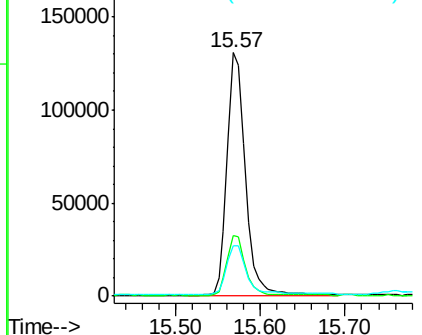
Lab File: BF103559.D

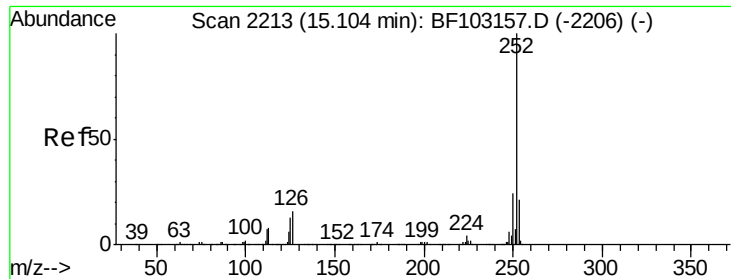
Acq: 9 Mar 2018 16:12

Tgt Ion:	264	Resp:	195123
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.2	28.8
265	20.9	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





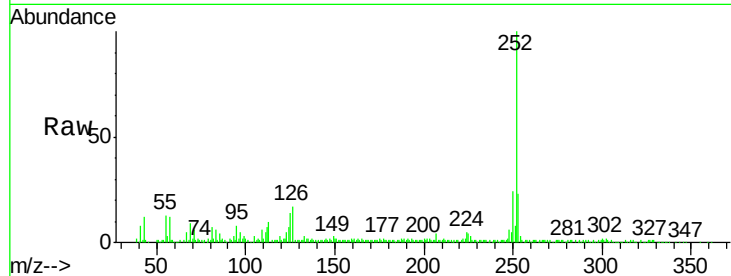
#87
Benzo(b)fluoranthene
Concen: 11.221 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Instrument :
BNA_F
ClientSampled :
TP-4-COMP

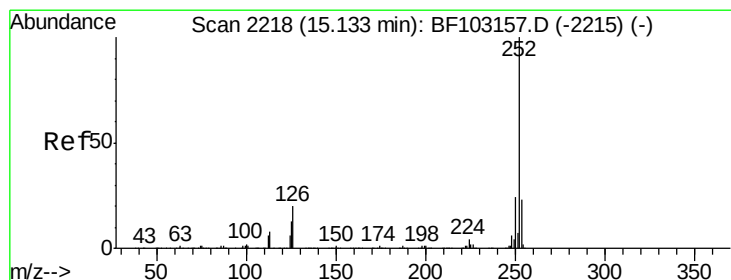
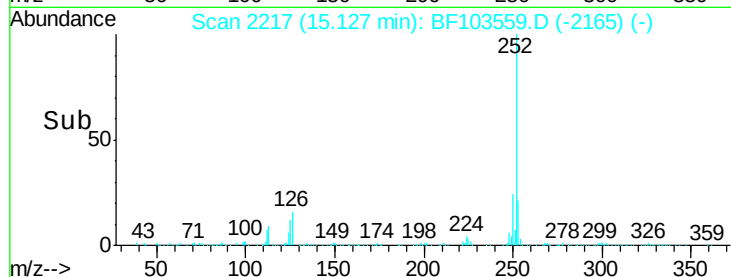
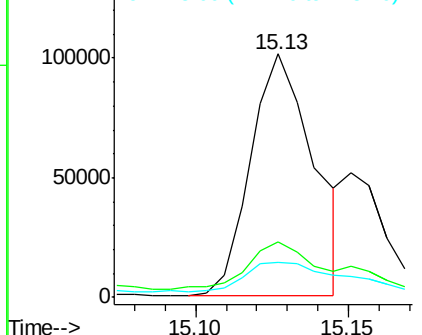
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	14.4	9.0	13.6

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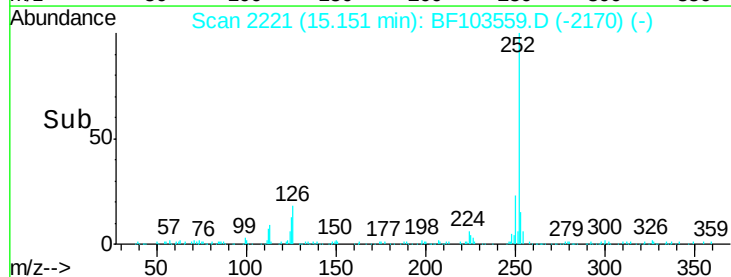
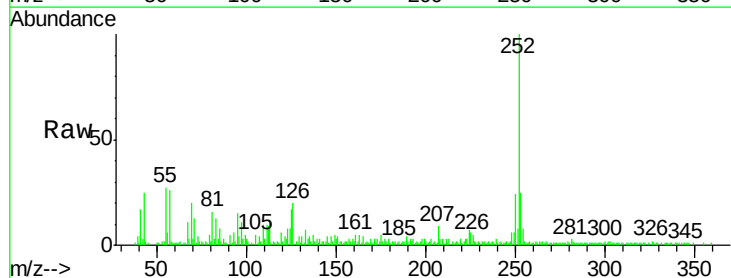
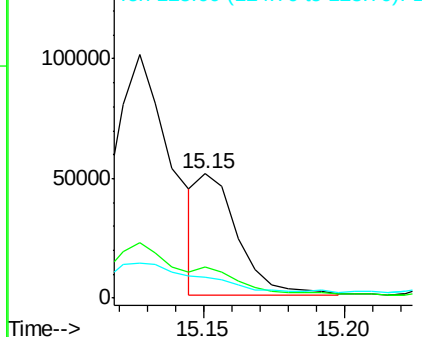
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

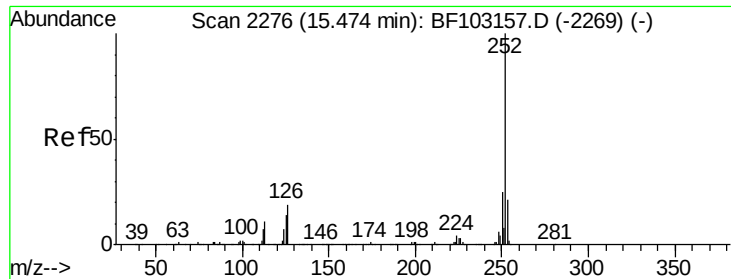


#88
Benzo(k)fluoranthene
Concen: 4.123 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	17.2	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





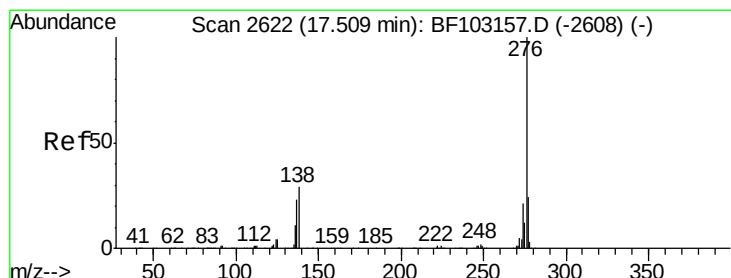
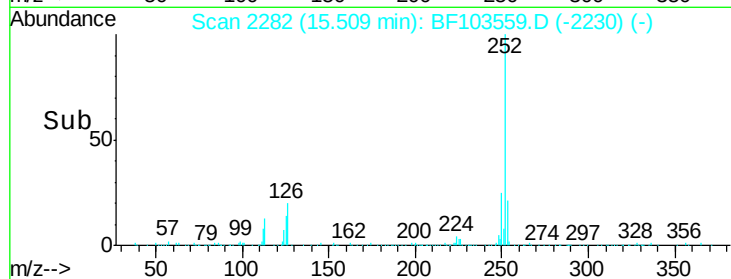
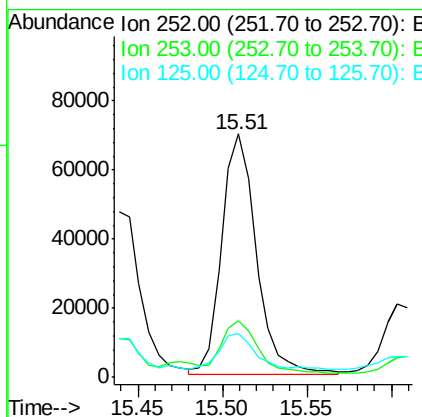
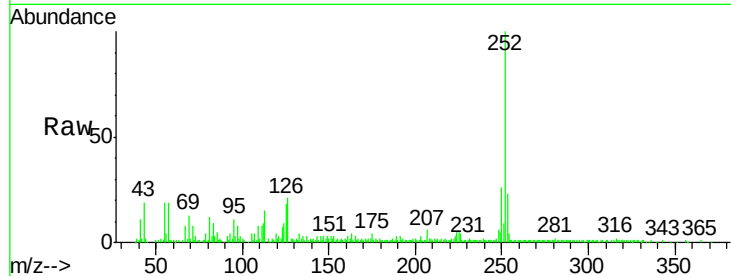
#89
Benzo(a)pyrene
Concen: 8.781 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
TP-4-COMP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	17.1	25.7
125	18.0	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 5.785 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.01 min
Lab File: BF103559.D
Acq: 9 Mar 2018 16:12

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	29.4	17.9	26.9
138	33.1	21.8	32.8

