

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101342.D
 Acq On : 12 Dec 2017 20:53
 Operator : SJ/JU
 Sample : I6822-13 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Manual Integrations
 APPROVED

Sohil
 12/13/2017 2:07:51 PM

Quant Time: Dec 13 11:24:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	41625	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	154093	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	60296	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	104299	20.00	ng	0.00
75) Chrysene-d12	14.01	240	99869	20.00	ng	0.00
86) Perylene-d12	15.49	264	80768	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	134329	53.33	ng	0.00
7) Phenol-d6	6.46	99	159185	52.05	ng	0.00
23) Nitrobenzene-d5	7.39	82	93292	36.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	29391	40.58	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	193739	43.96	ng	-0.01
78) Terphenyl-d14	12.94	244	164801	36.09	ng	0.00
Target Compounds						
6) Aniline	6.52	93	8981	2.258	ng	Qvalue # 53
10) Phenol	6.47	94	8375	2.463	ng	83
31) Naphthalene	8.13	128	18699	2.462	ng	97
49) Dimethylphthalate	9.57	163	24327	5.003	ng	# 98
51) Acenaphthene	9.89	154	9811	2.541	ng	97
57) Fluorene	10.41	166	10746	2.376	ng	99
70) Phenanthrene	11.38	178	166455	28.980	ng	97
71) Anthracene	11.43	178	49586	8.530	ng	99
72) Carbazole	11.59	167	16587	3.123	ng	99
74) Fluoranthene	12.57	202	314394	49.380	ng	94
77) Pyrene	12.80	202	297212	43.129	ng	98
80) Benzo(a)anthracene	14.00	228	175553m	27.841	ng	
82) Chrysene	14.03	228	162768m	27.795	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	14135	3.263	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	73035	14.028	ng	# 87
87) Benzo(b)fluoranthene	15.06	252	194124m	40.127	ng	
88) Benzo(k)fluoranthene	15.08	252	49941m	10.478	ng	
89) Benzo(a)pyrene	15.43	252	126615	28.788	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	19464	5.020	ng	97
91) Benzo(a,h,i)perylene	17.43	276	72190	19.756	ng	93

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

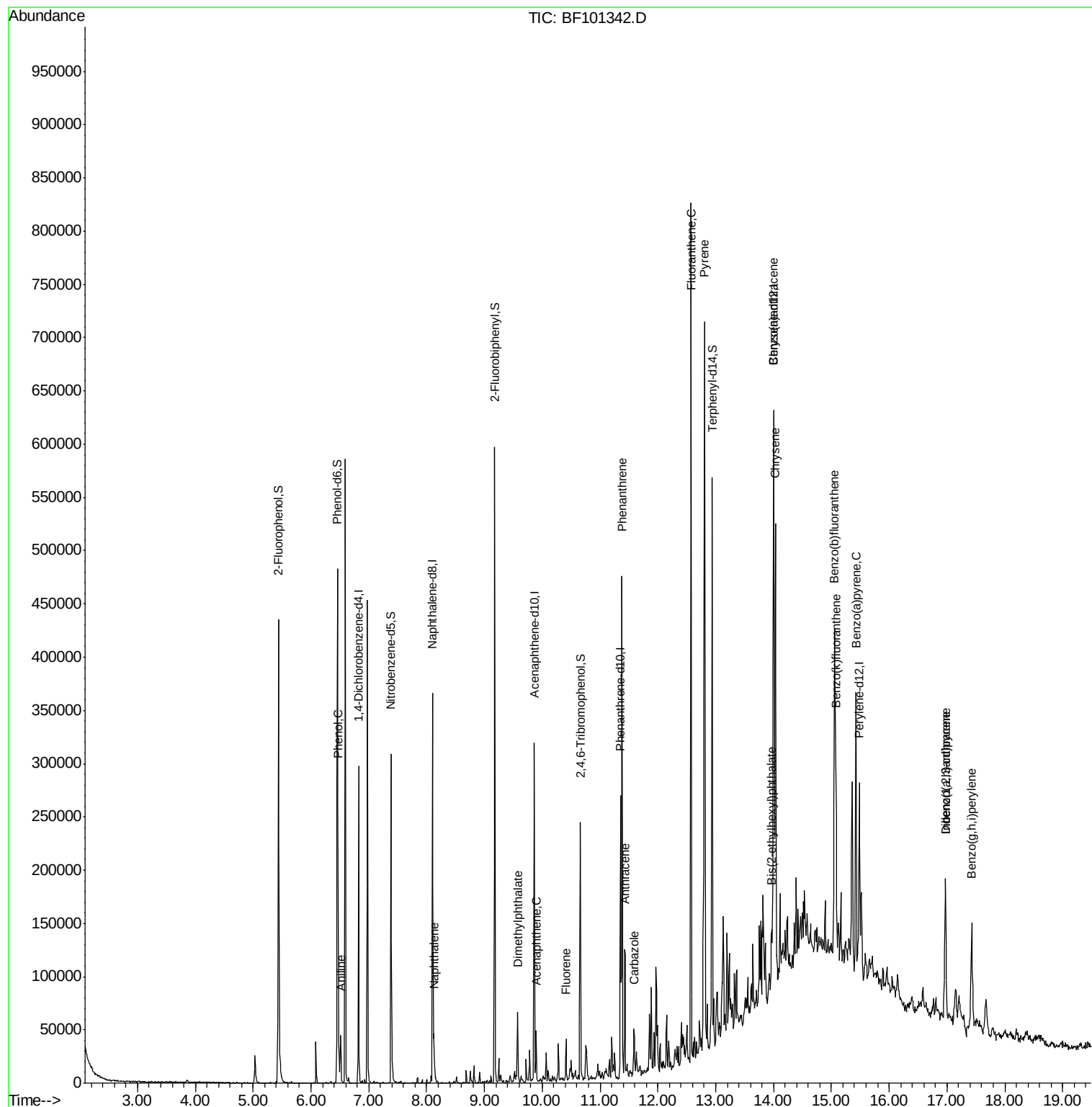
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

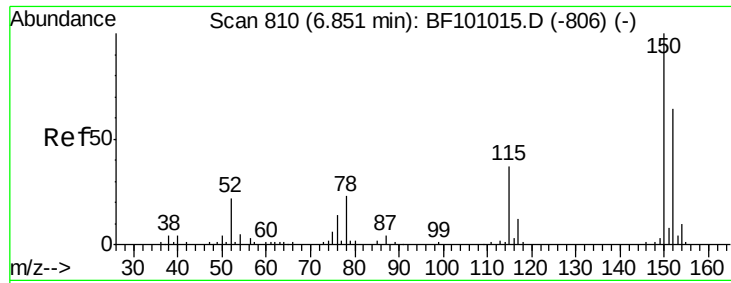
Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

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#1

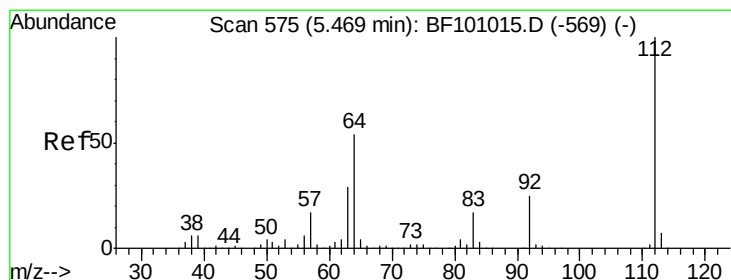
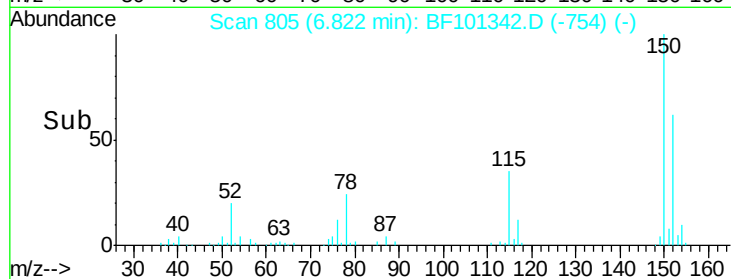
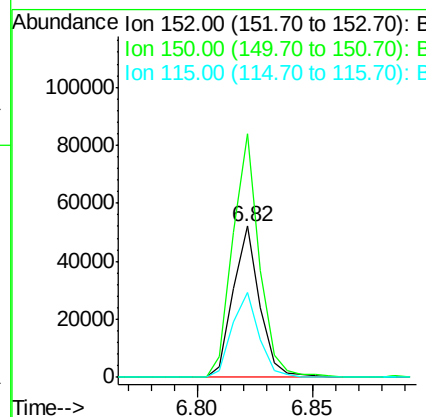
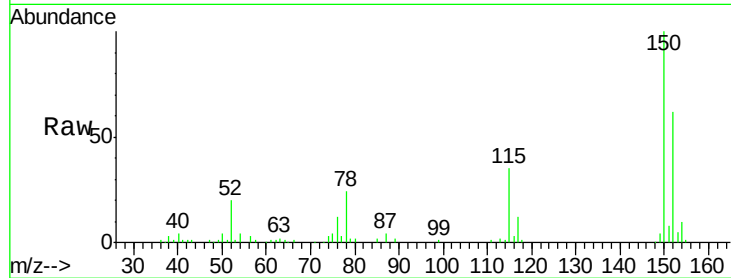
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampled :
SB-6(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.6	186.8
115	56.6	50.1	75.1

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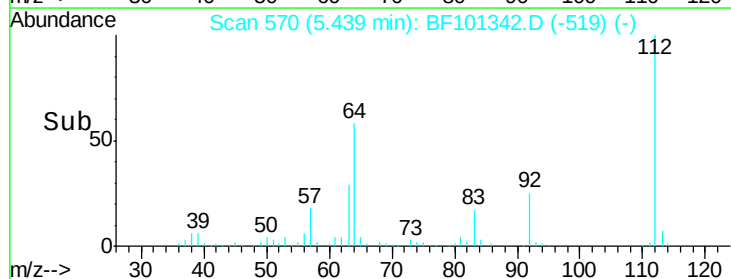
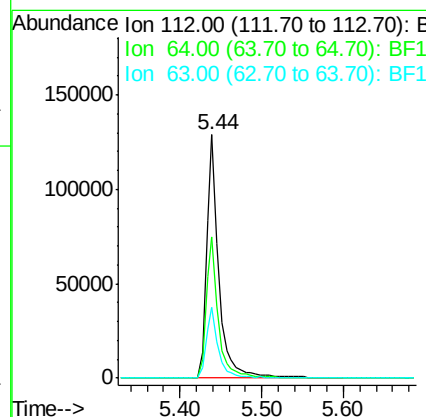
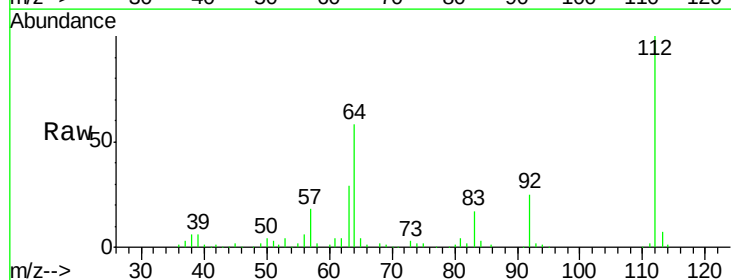
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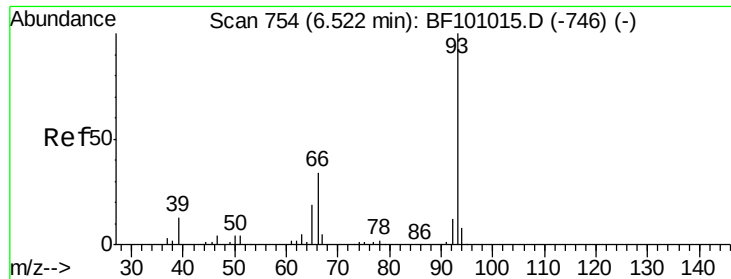


#5

2-Fluorophenol
Concen: 53.326 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	28.9	23.7	35.5





#6

Aniline

Concen: 2.258 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.02 min

Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

Instrument :

BNA_F

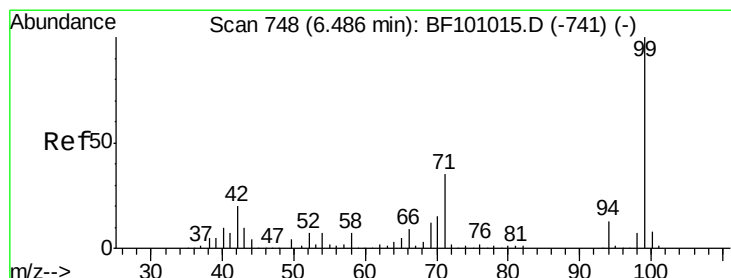
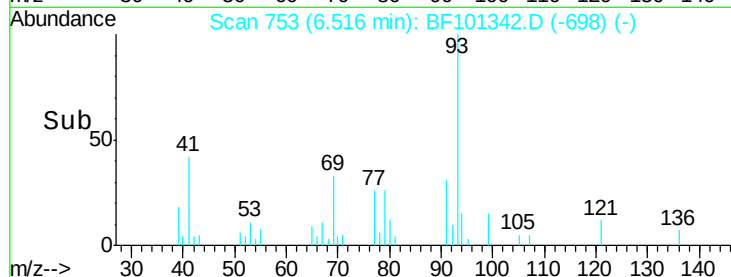
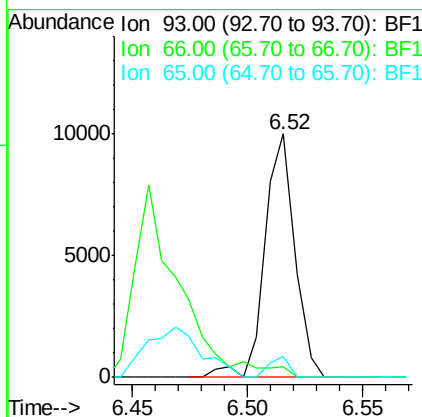
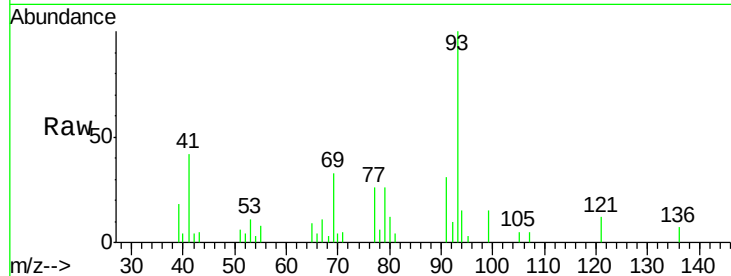
ClientSampleId :

SB-6(0-2)

Tot Ion:	93	Resp:	8981
Ion Ratio	Lower	Upper	
93	100		
66	4.2	32.2	48.2#
65	8.8	16.4	24.6#

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#7

Phenol-d6

Concen: 52.050 ng

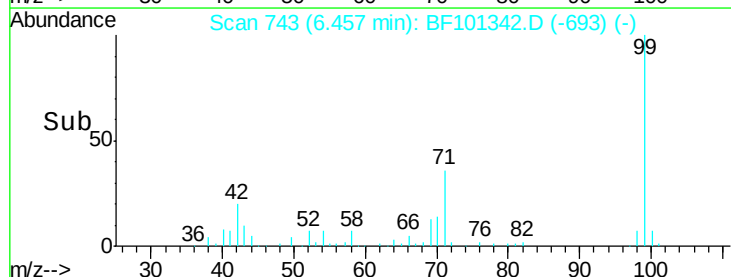
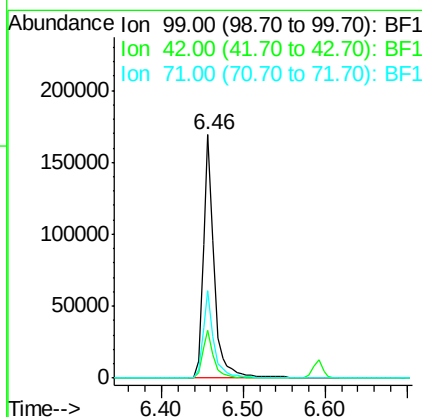
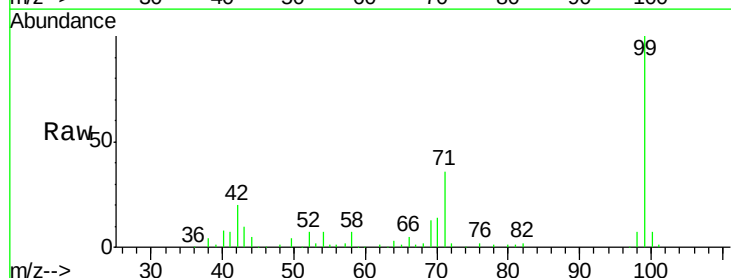
RT: 6.46 min Scan# 743

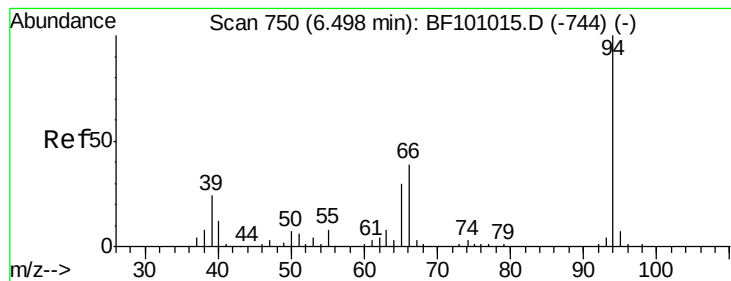
Delta R.T. -0.01 min

Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

Tgt Ion:	99	Resp:	159185
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	36.2	25.4	38.0





#10

Phenol

Concen: 2.463 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

Instrument :

BNA_F

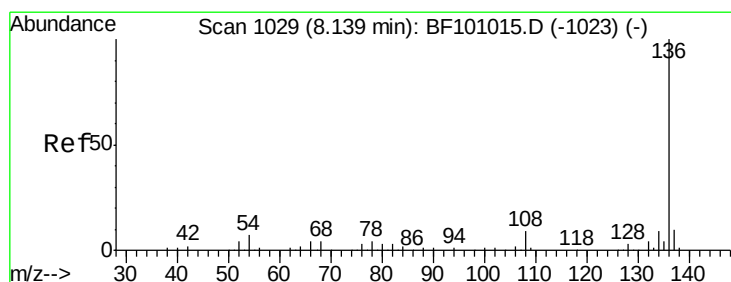
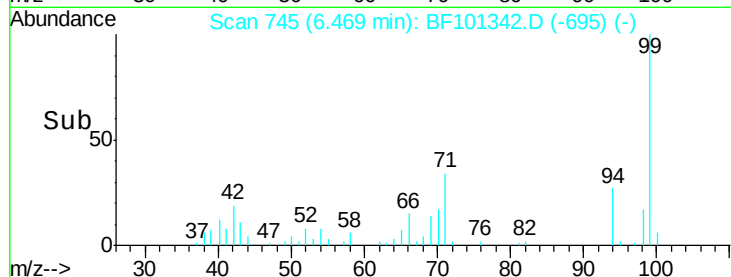
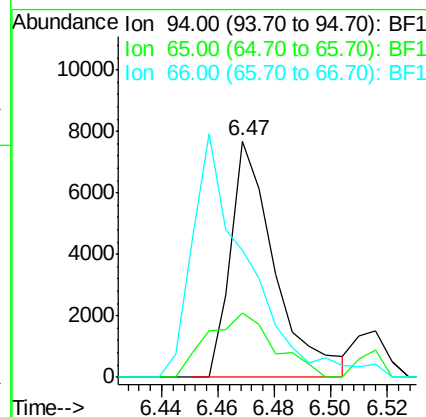
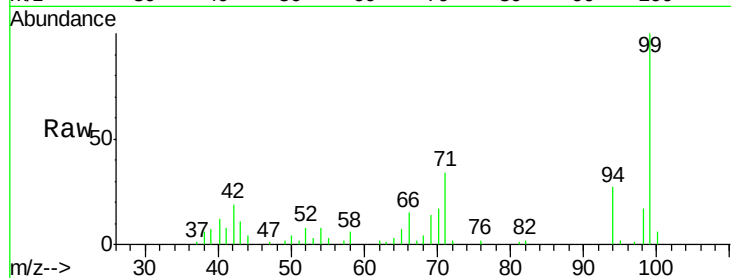
ClientSampled :

SB-6(0-2)

Tot Ion:	94	Resp:	8375
Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.9	47.9
66	53.8	16.2	56.2

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#21

Naphthalene-d8

Concen: 20.000 ng

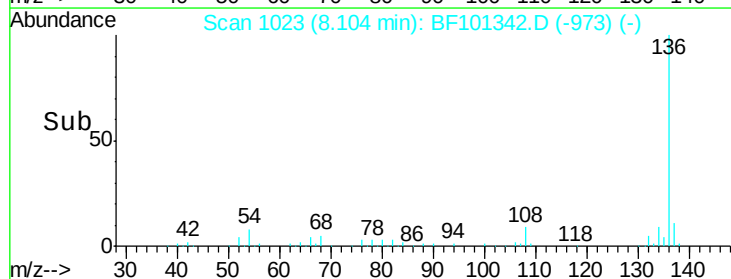
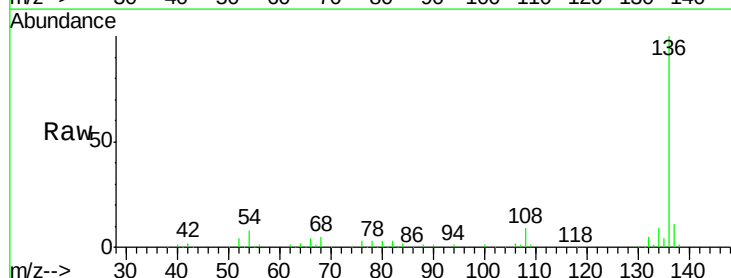
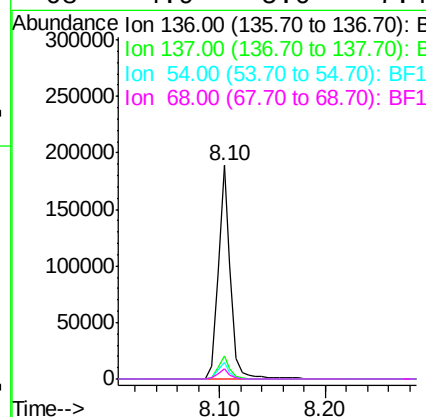
RT: 8.10 min Scan# 1023

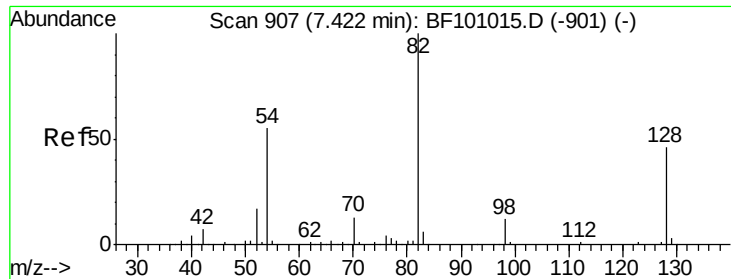
Delta R.T. -0.01 min

Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

Tgt Ion:	136	Resp:	154093
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.7	6.6	9.8
68	4.9	5.0	7.4#





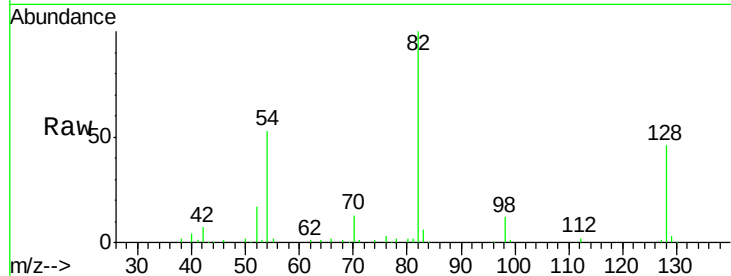
#23
Nitrobenzene-d5
Concen: 36.116 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

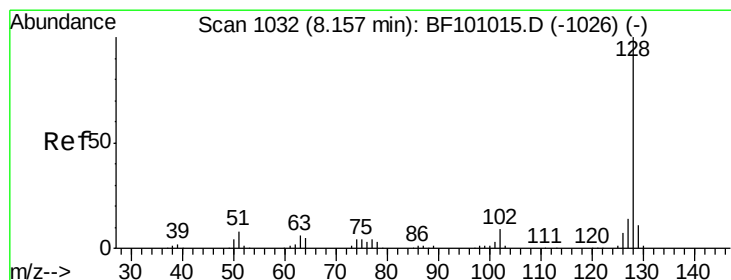
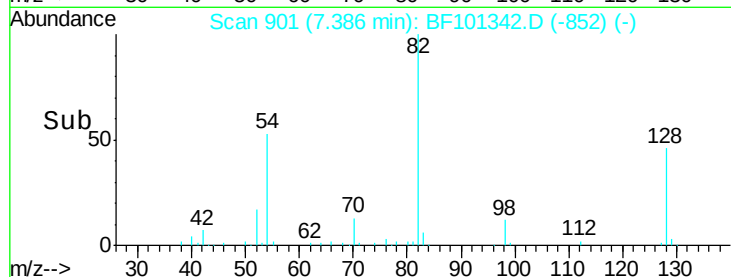
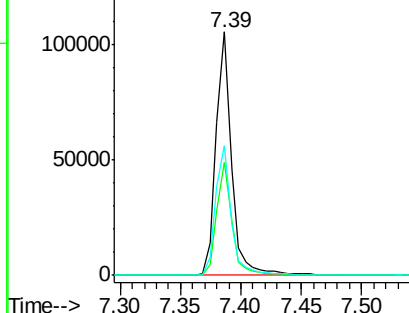
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	53.4	41.4	62.2

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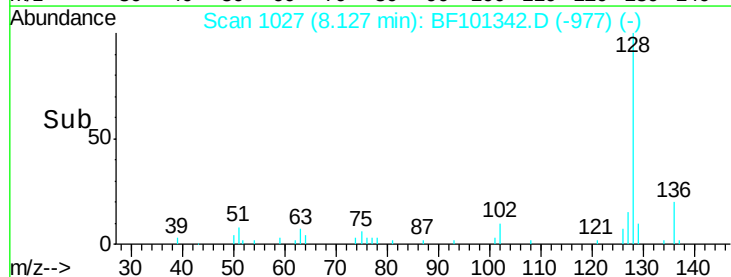
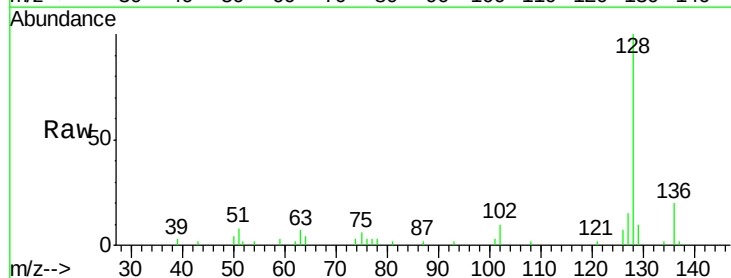
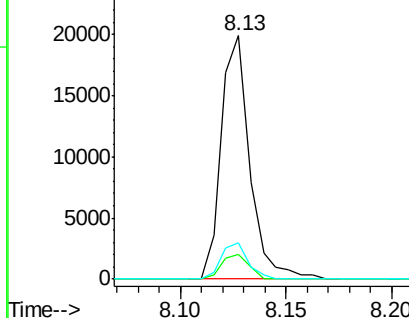
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

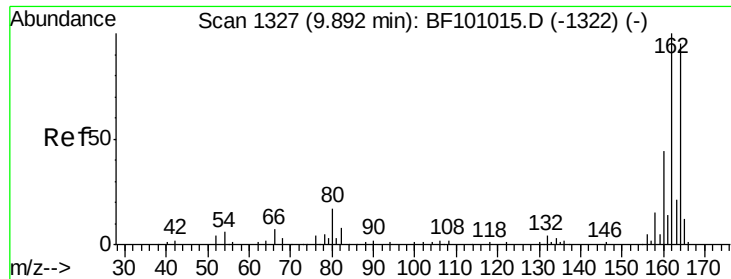


#31
Naphthalene
Concen: 2.462 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	15.1	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





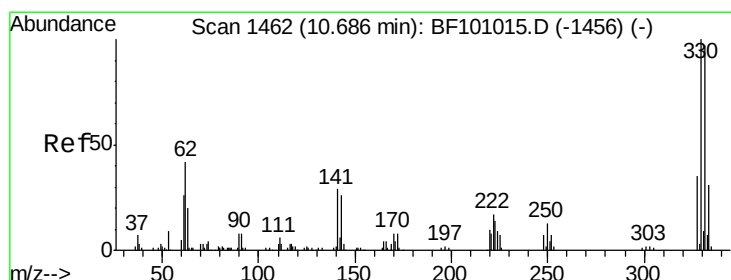
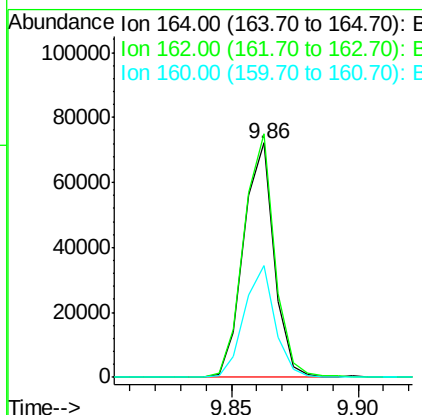
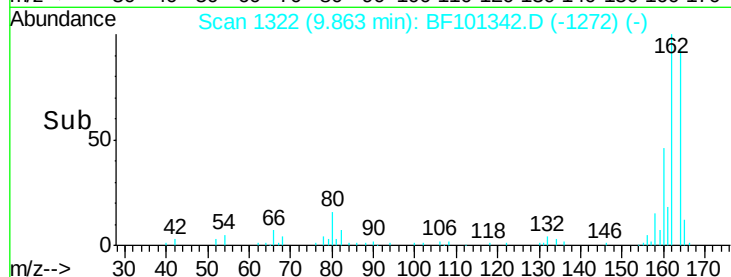
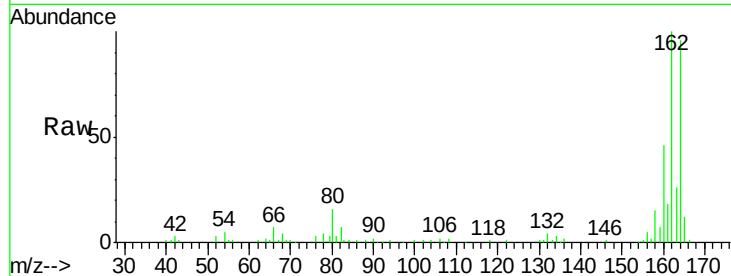
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampled :
SB-6(0-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	47.7	38.3	57.5

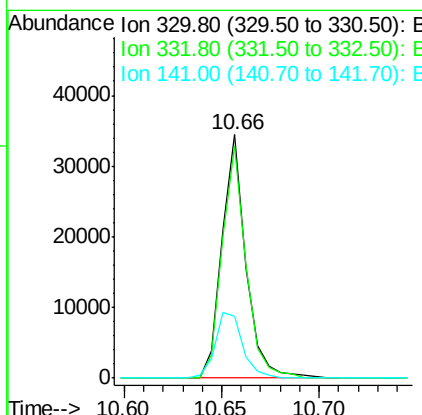
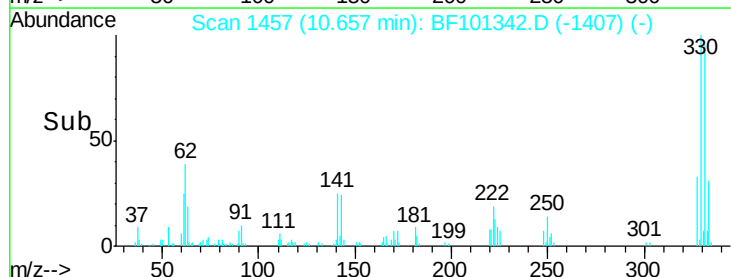
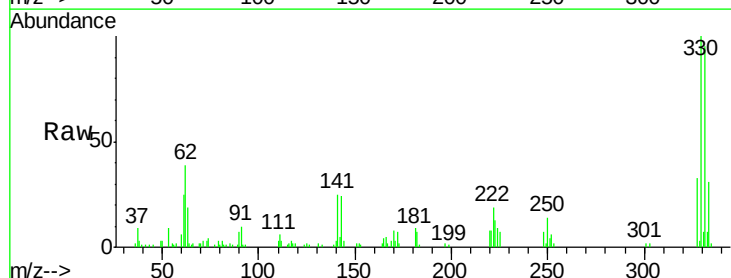
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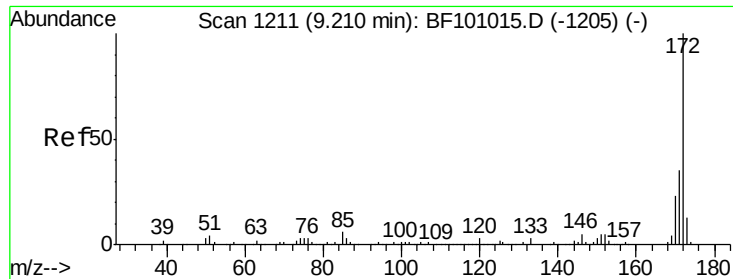
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#41
2,4,6-Tribromophenol
Concen: 40.577 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	31.0	29.9	44.9





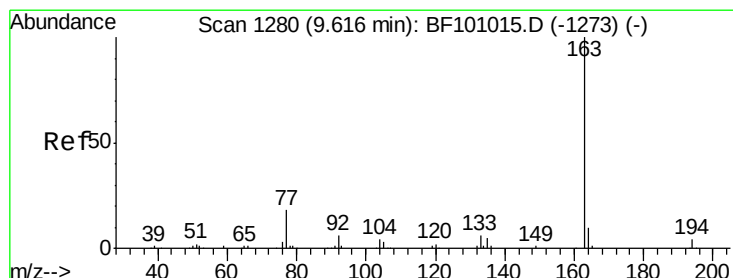
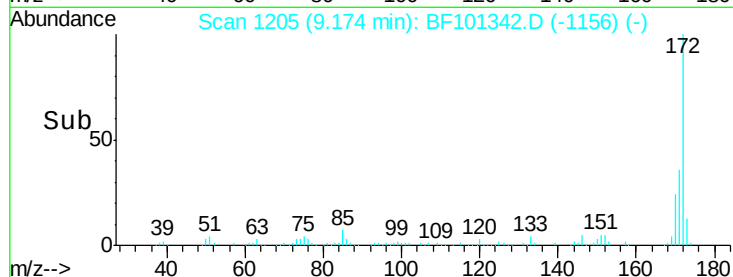
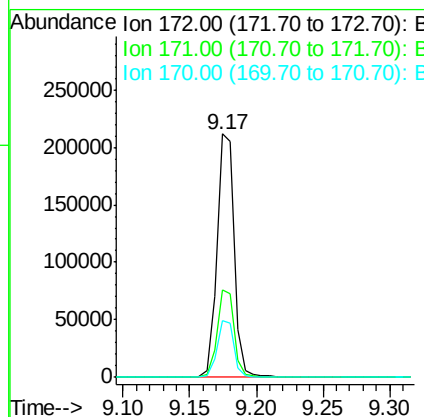
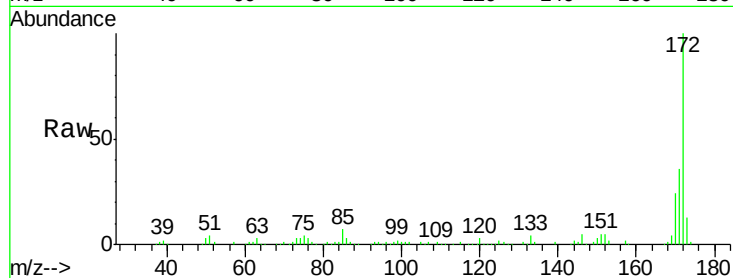
#44
2-Fluorobiphenyl
Concen: 43.962 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	193739		
171	36.1	29.7	44.5	
170	23.5	19.6	29.4	

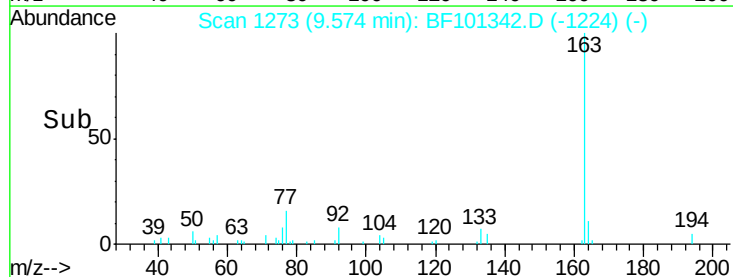
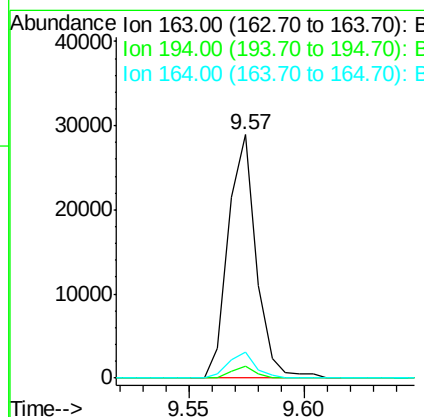
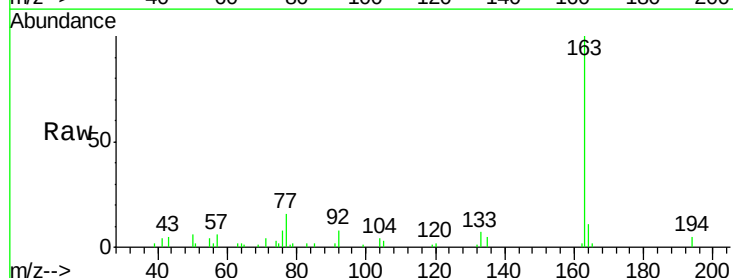
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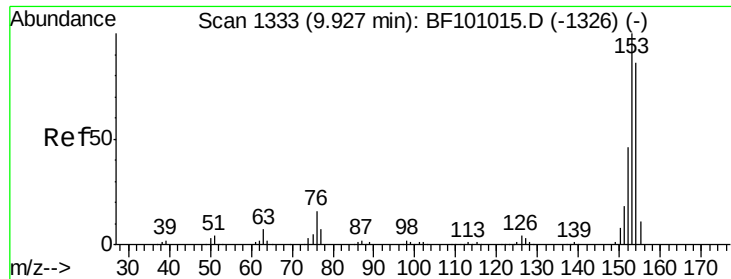
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#49
Dimethylphthalate
Concen: 5.003 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	24327		
194	4.8	2.7	4.1#	
164	10.7	8.2	12.2	





#51

Acenaphthene

Concen: 2.541 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

Instrument :

BNA_F

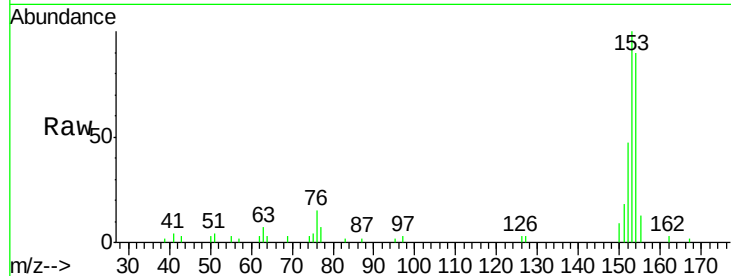
ClientSampled :

SB-6(0-2)

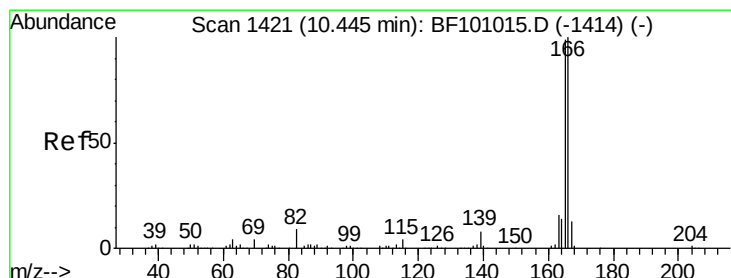
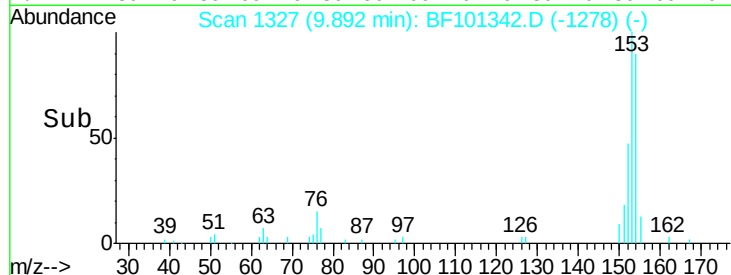
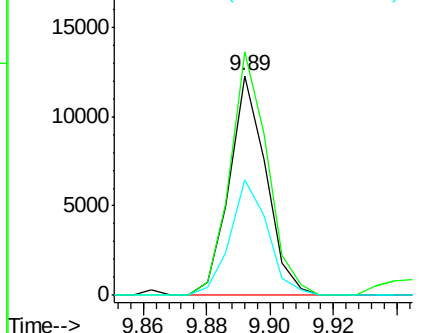
Tot Ion:	154	Resp:	9811
Ion Ratio	Lower	Upper	
154	100		
153	111.0	91.2	136.8
152	52.6	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.376 ng

RT: 10.41 min Scan# 1415

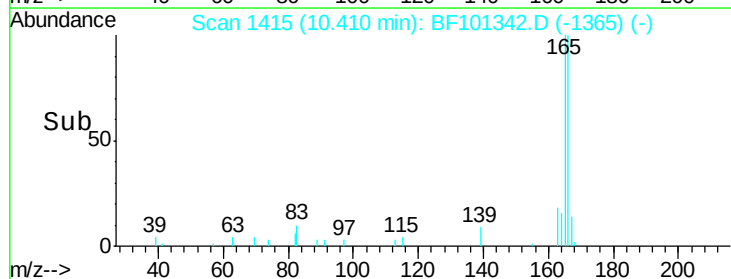
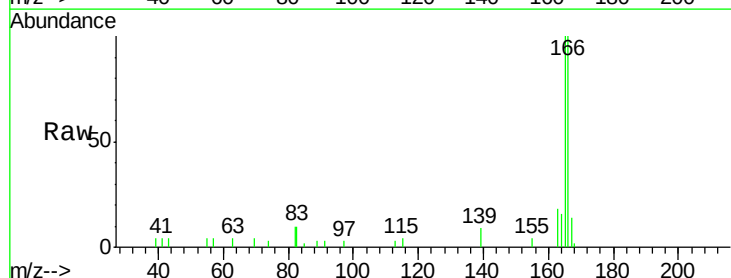
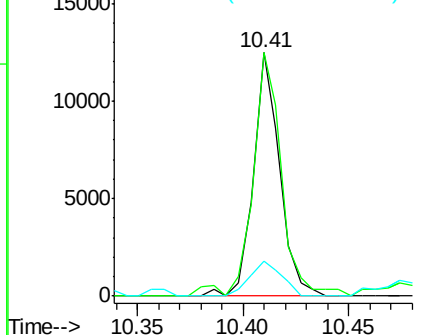
Delta R.T. -0.01 min

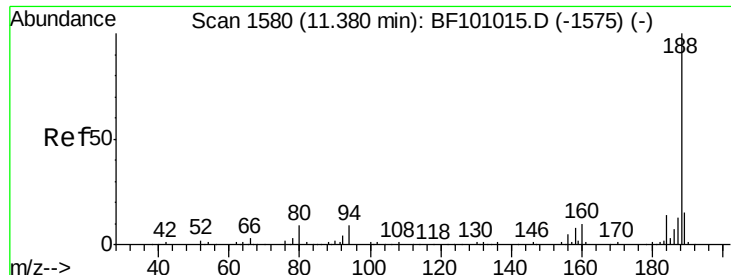
Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

Tgt Ion:	166	Resp:	10746
Ion Ratio	Lower	Upper	
166	100		
165	100.2	79.8	119.8
167	14.4	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





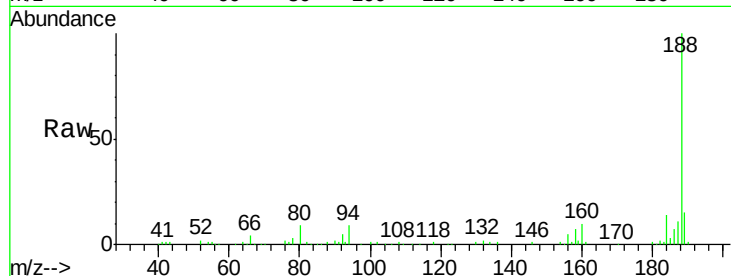
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampled :
SB-6(0-2)

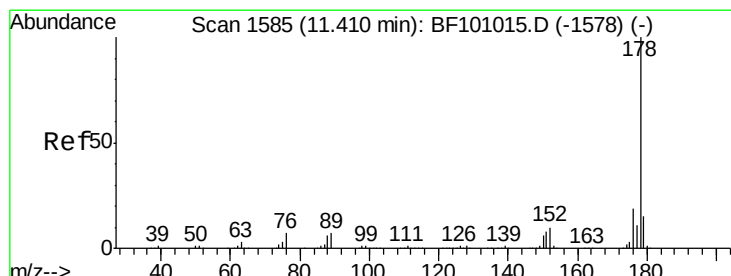
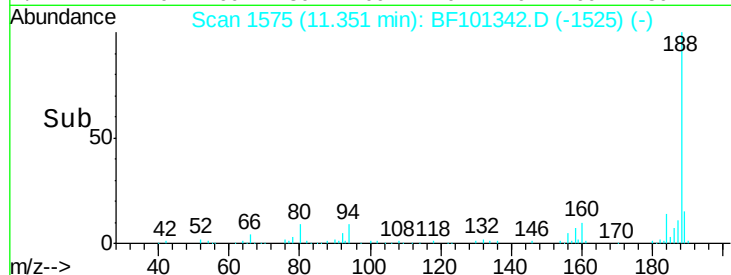
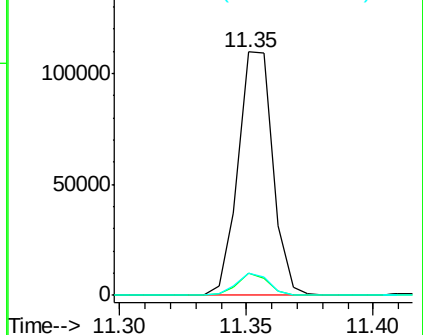
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.2	9.2	13.8#

Manual Integrations
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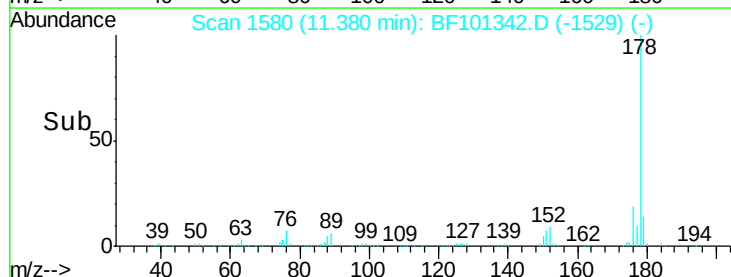
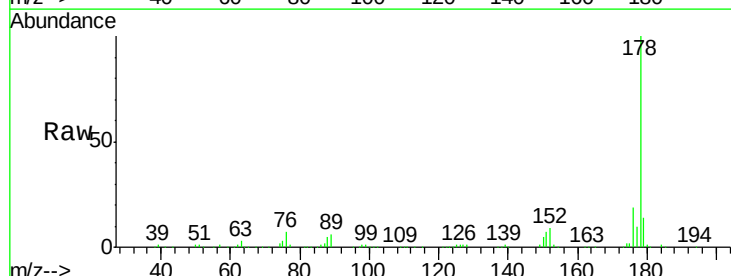
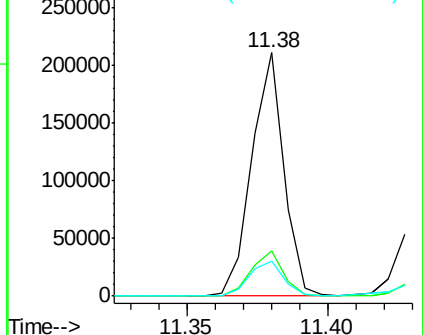
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

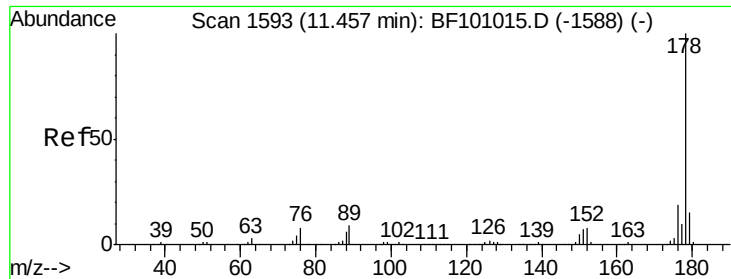


#70
Phenanthrene
Concen: 28.980 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.8	23.8
179	14.3	13.0	19.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 8.530 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

Instrument :

BNA_F

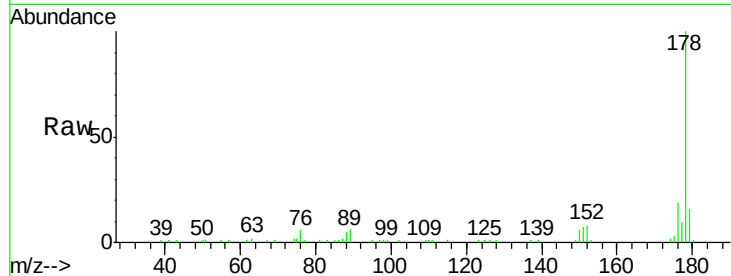
ClientSampled :

SB-6(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.9	12.6	19.0

Manual Integrations
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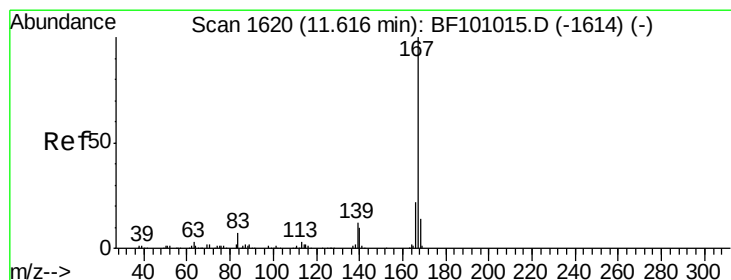
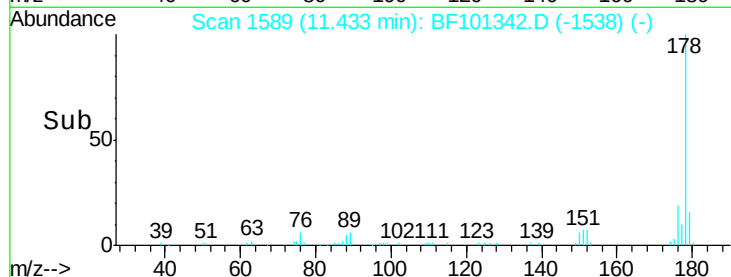
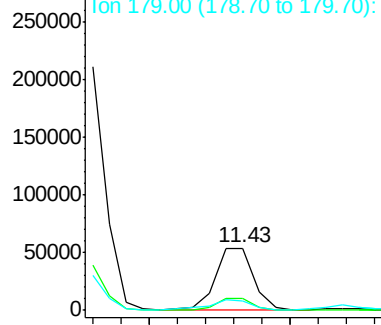
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.123 ng

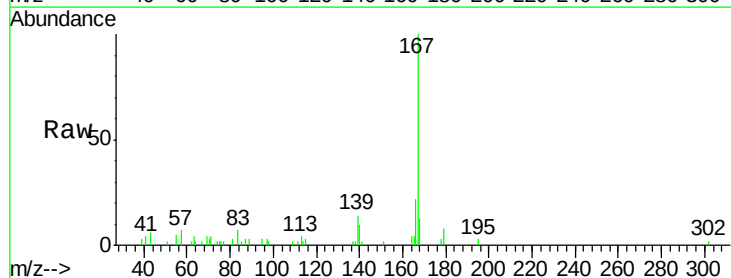
RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

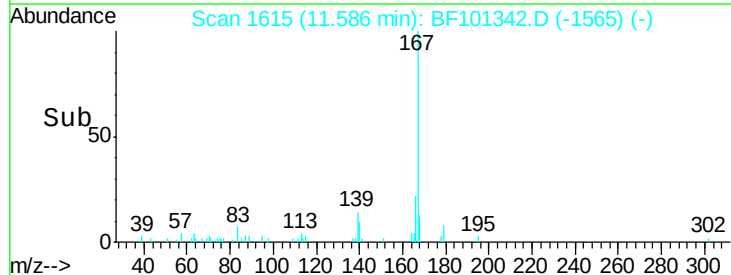
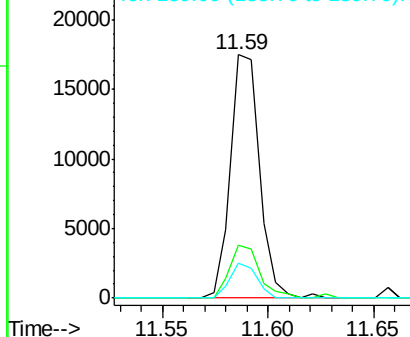
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	14.3	10.9	16.3

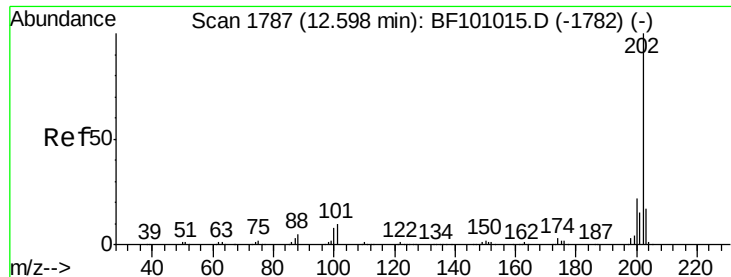


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 49.380 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

Instrument :

BNA_F

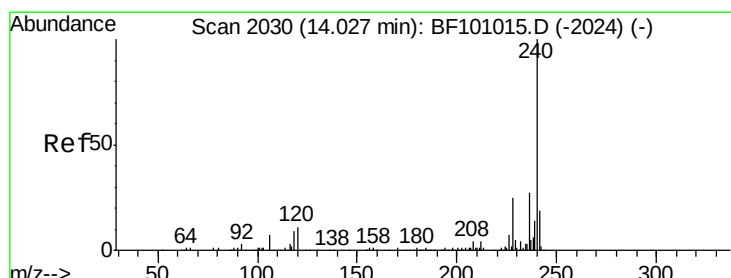
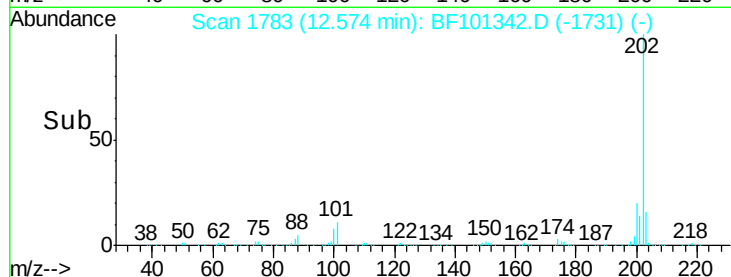
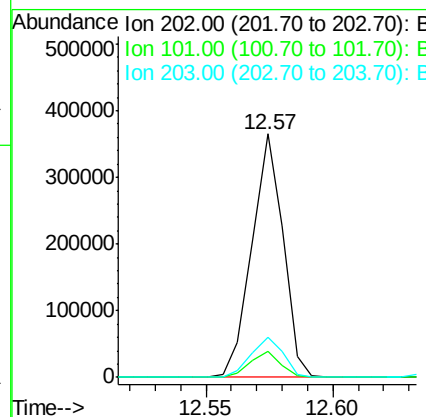
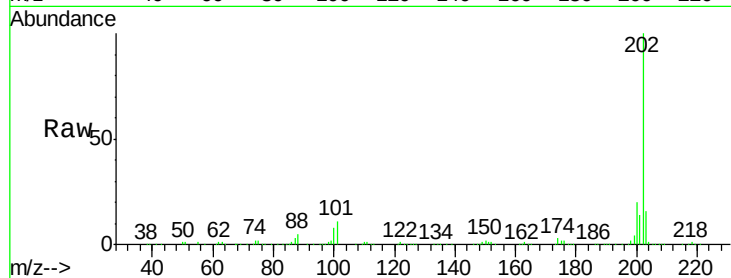
ClientSampleId :

SB-6(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	34.1
203	16.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

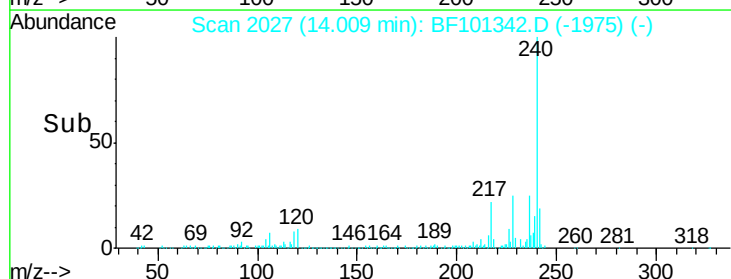
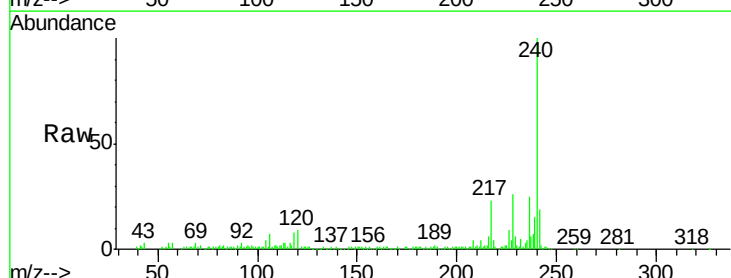
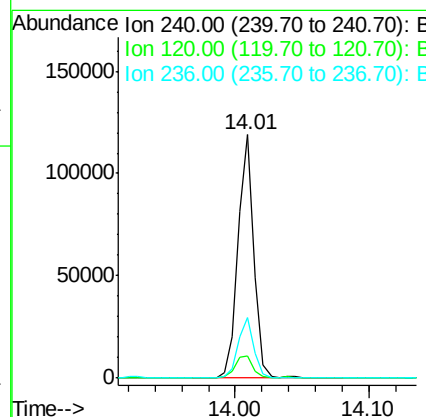
RT: 14.01 min Scan# 2027

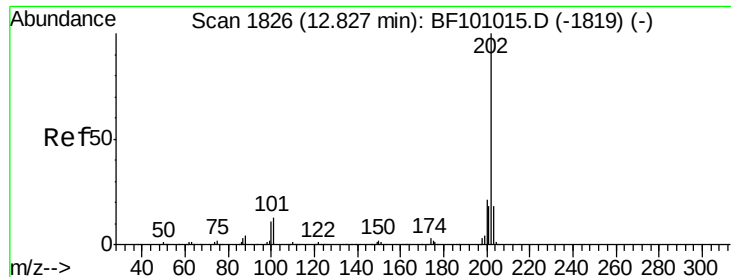
Delta R.T. 0.01 min

Lab File: BF101342.D

Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	25.0	20.7	31.1





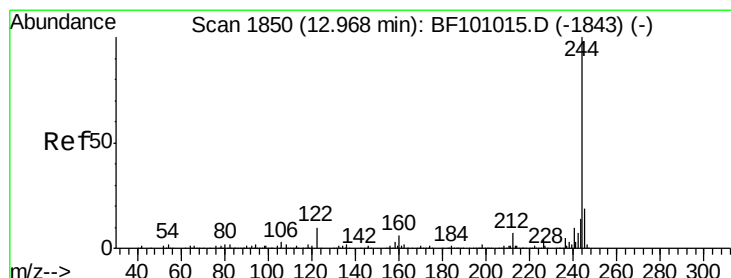
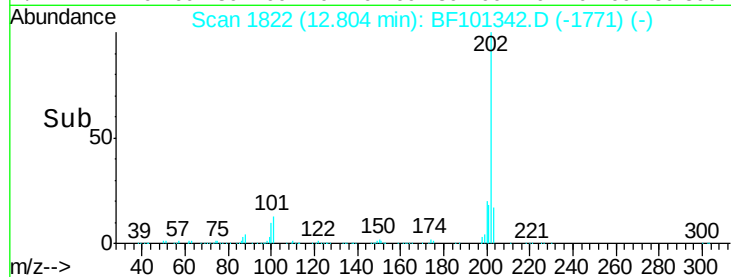
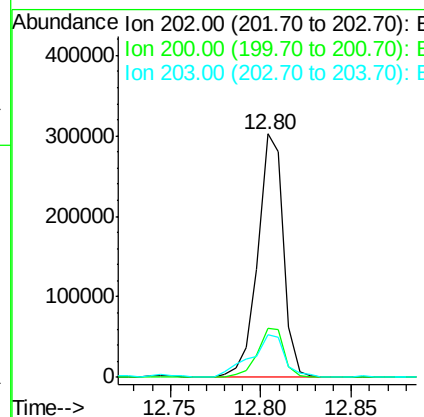
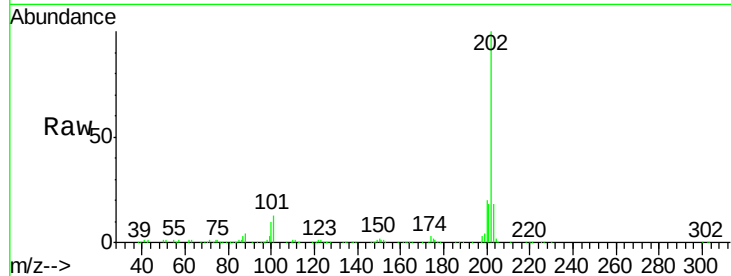
#77
Pvrene
Concen: 43.129 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	17.4	26.2
203	17.6	14.3	21.5

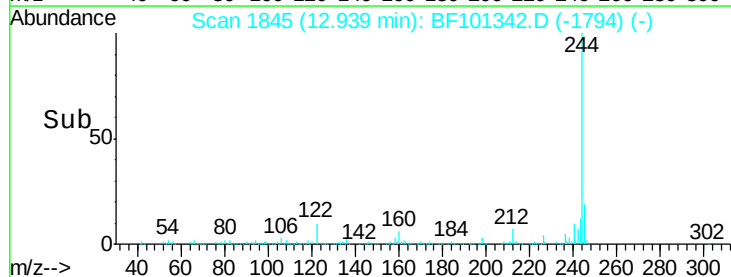
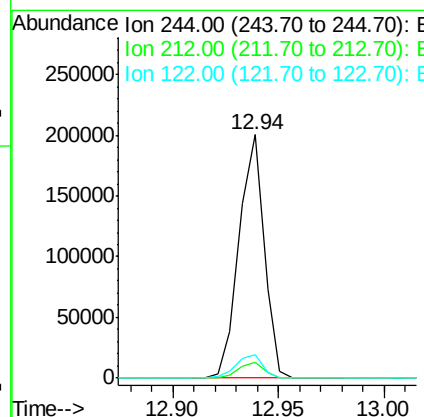
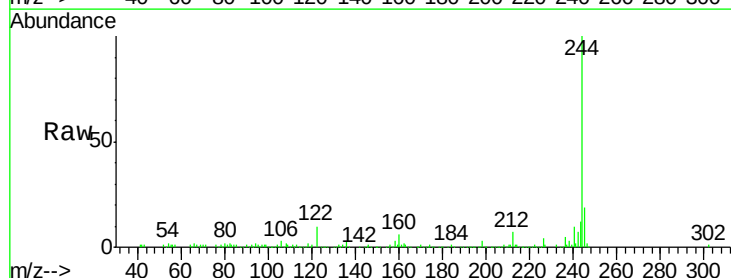
Manual Integrations
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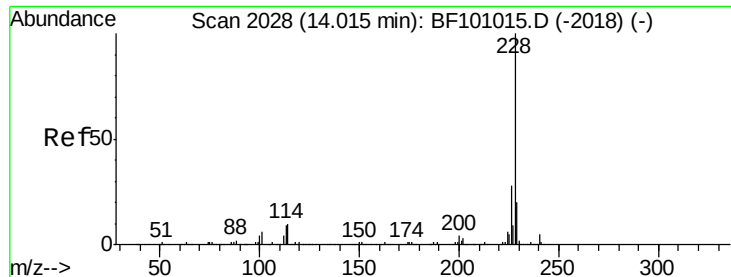
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#78
Terphenyl-d14
Concen: 36.094 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.7	11.0	16.4#





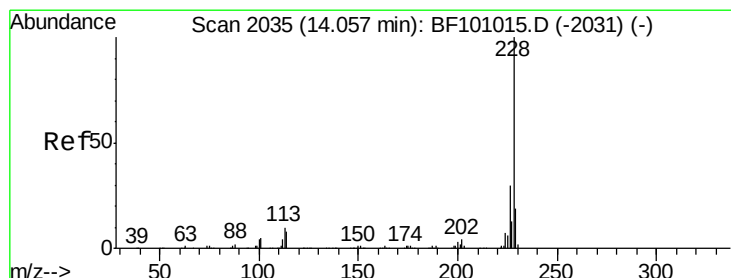
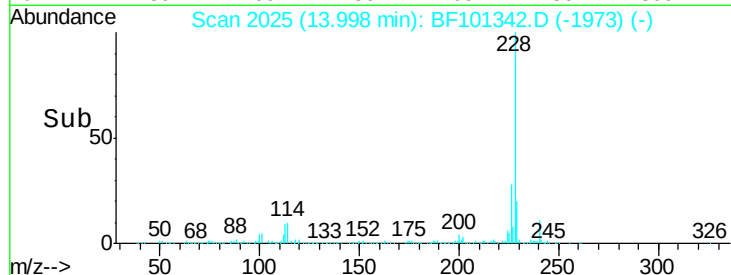
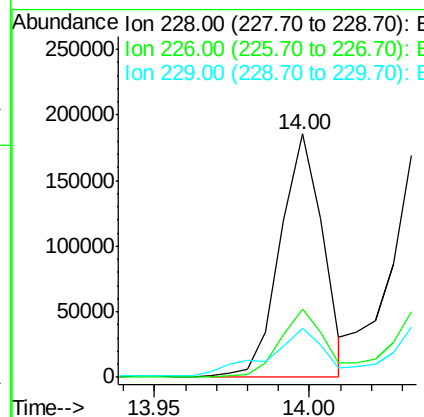
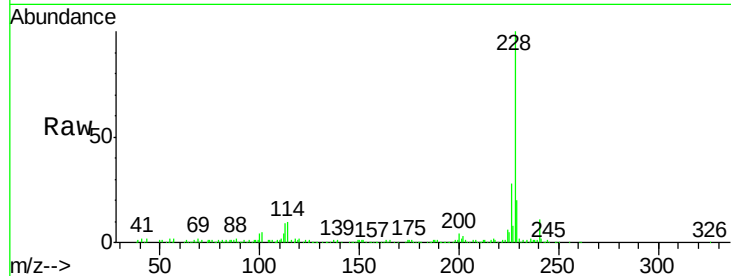
#80
Benzo(a)anthracene
Concen: 27.841 ng m
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampled :
SB-6(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.2	15.8	23.6

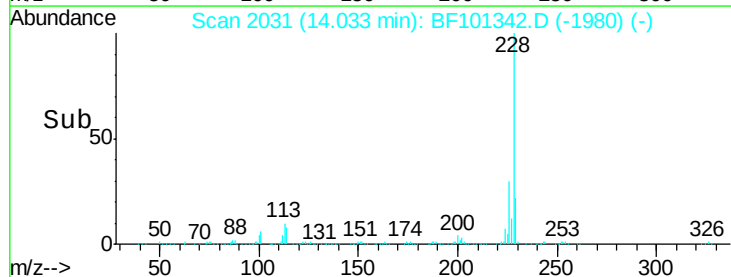
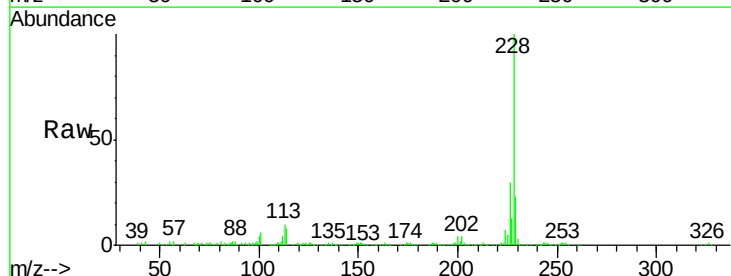
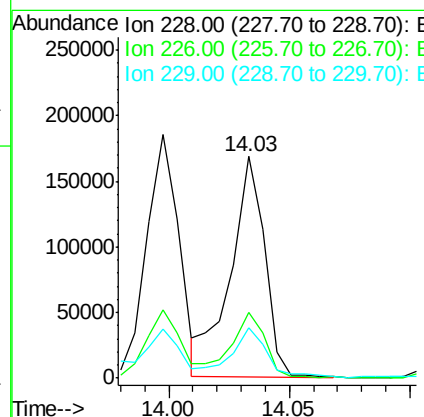
Manual Integrations
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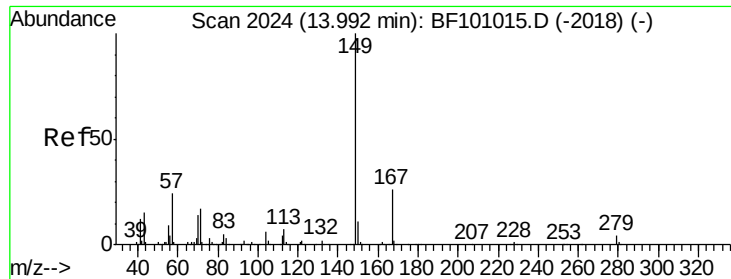
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#82
Chrysene
Concen: 27.795 ng m
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.7	16.2	24.4





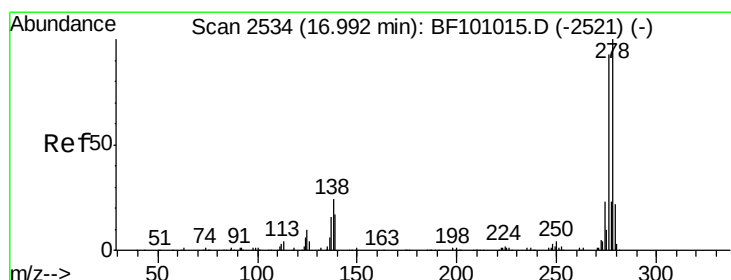
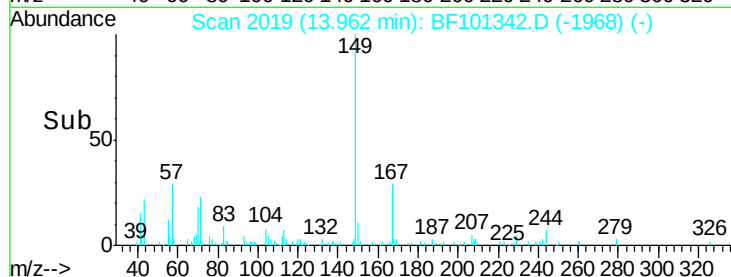
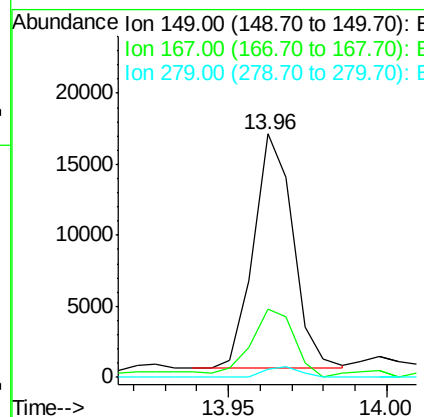
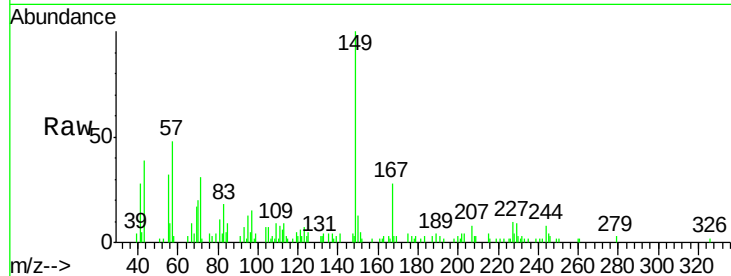
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.263 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.3	31.9
279	3.1	3.0	4.4

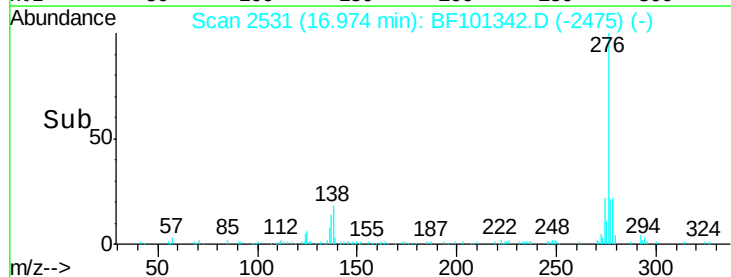
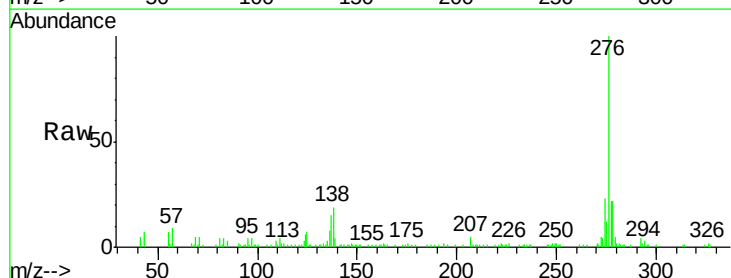
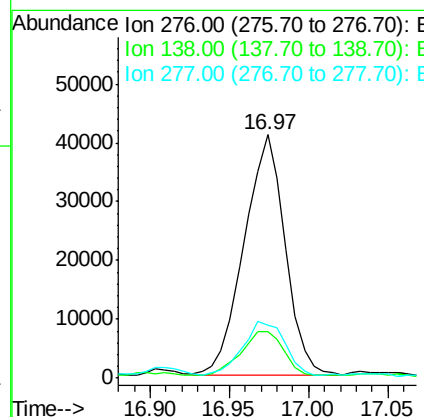
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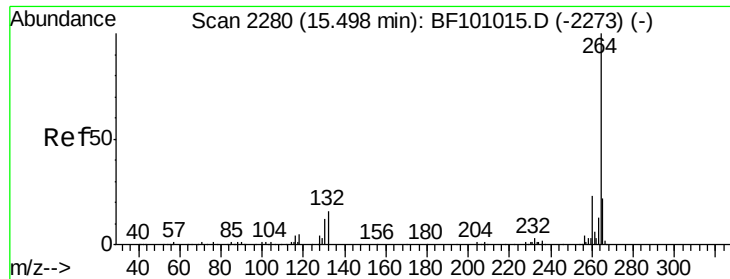
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#85
Indeno(1,2,3-cd)pyrene
Concen: 14.028 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.03 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6#
277	23.5	20.1	30.1





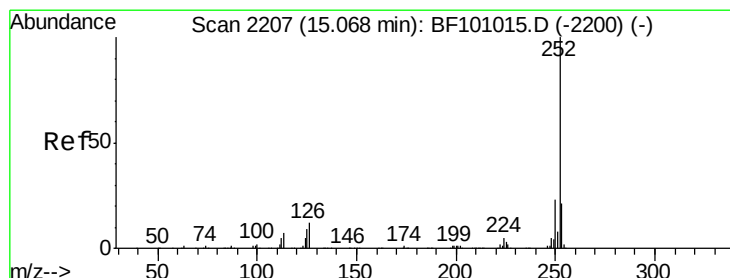
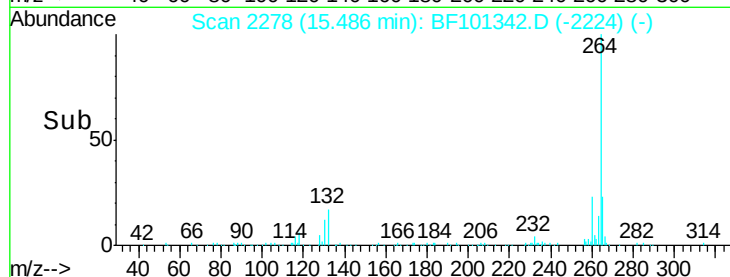
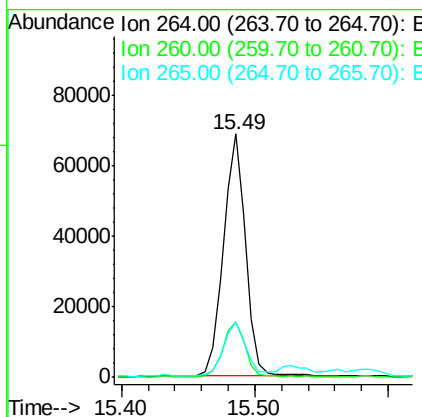
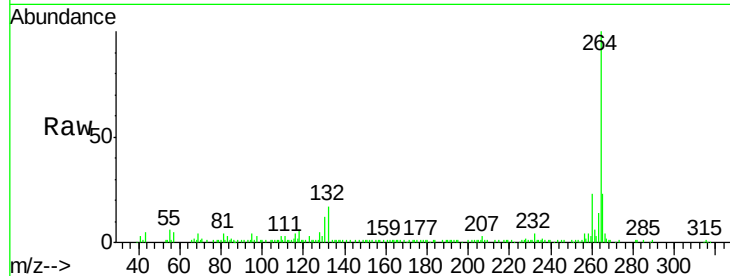
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

Tot Ion:	264	Resp:	80768
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.2	28.8
265	22.7	17.5	26.3

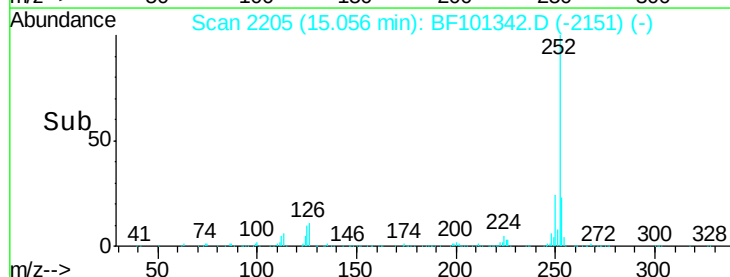
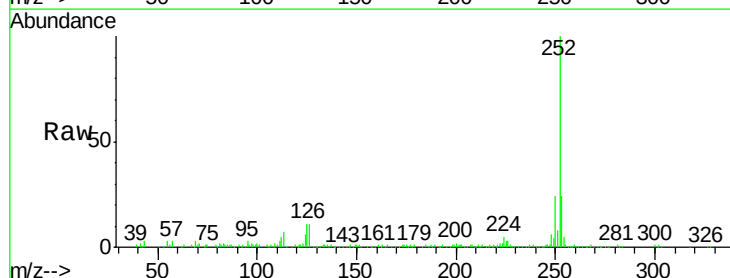
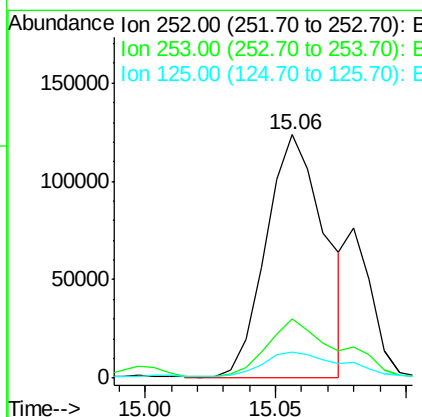
Manual Integrations
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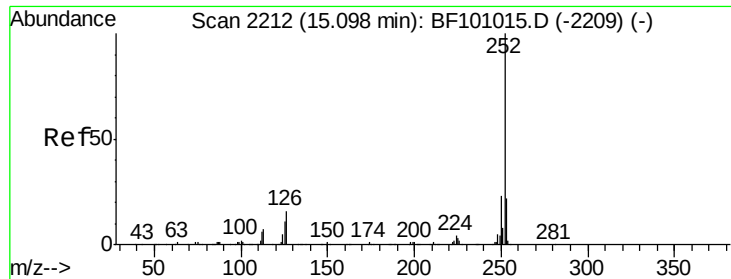
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#87
Benzo(b)fluoranthene
Concen: 40.127 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion:	252	Resp:	194124
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.0	25.6
125	10.5	9.0	13.6





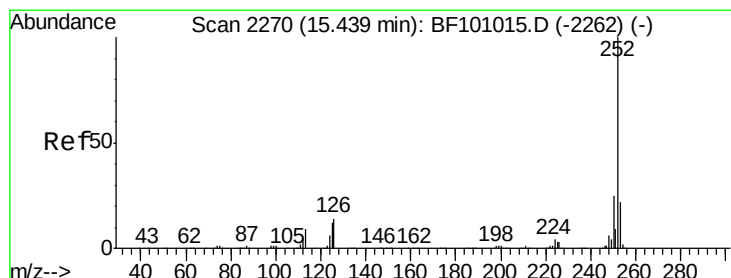
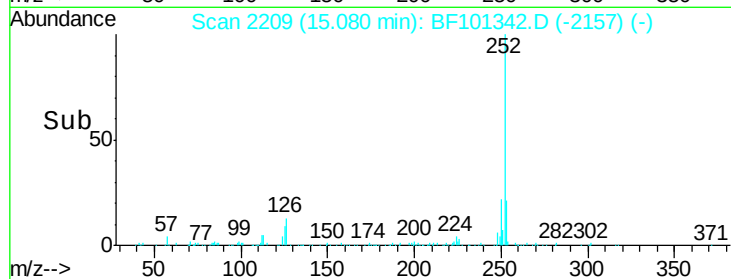
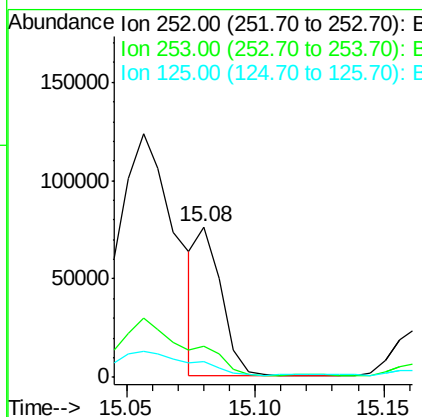
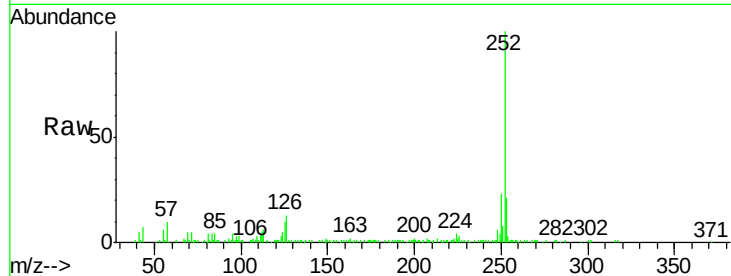
#88
Benzo(k)fluoranthene
Concen: 10.478 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.9	26.9
125	10.5	10.2	15.2

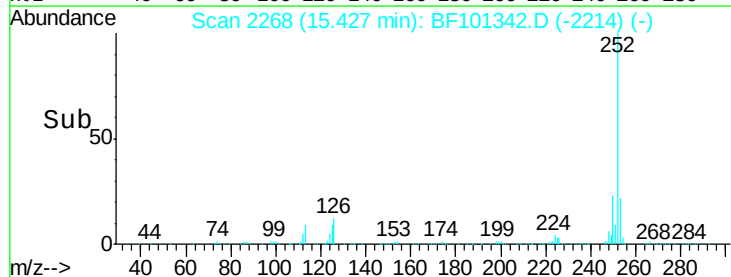
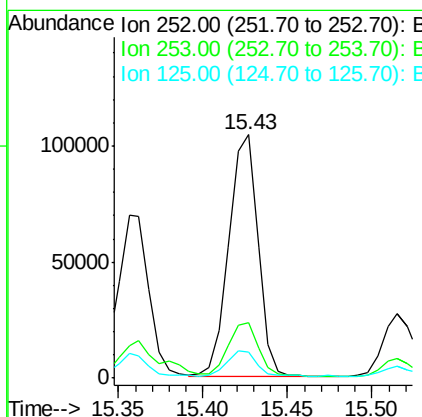
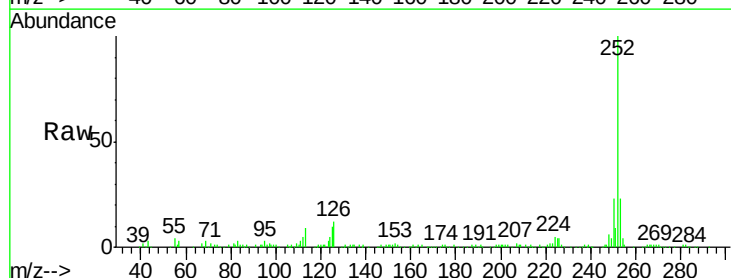
Manual Integrations
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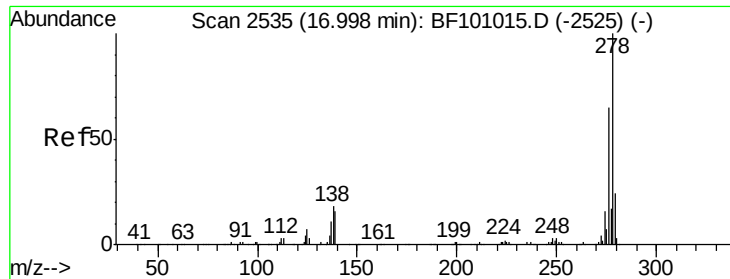
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#89
Benzo(a)pyrene
Concen: 28.788 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.4	9.8	14.6





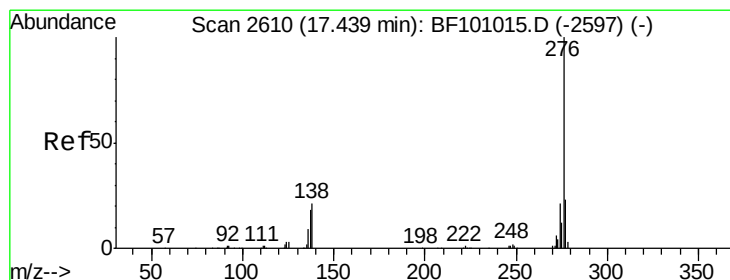
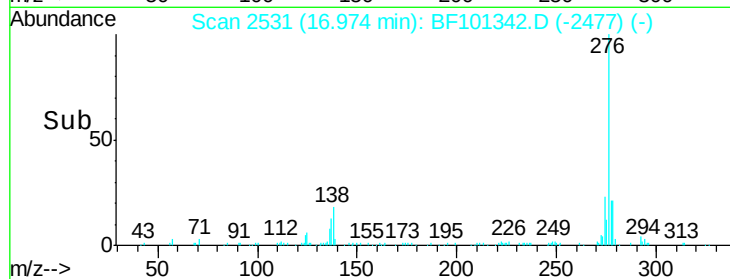
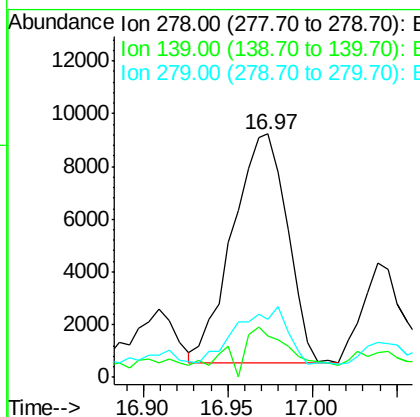
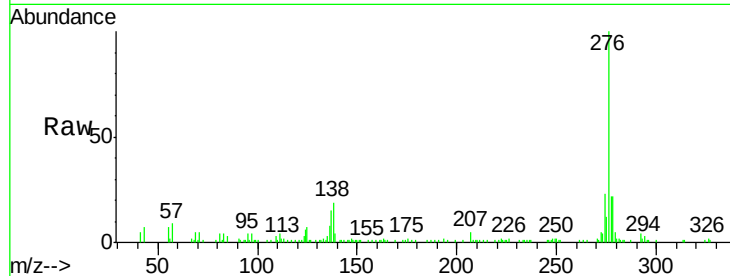
#90
Dibenzo(a,h)anthracene
Concen: 5.020 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	15.9	23.9
279	23.9	19.0	28.4

Manual Integrations
APPROVED

Sohil
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#91
Benzo(g,h,i)perylene
Concen: 19.756 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.04 min
Lab File: BF101342.D
Acq: 12 Dec 2017 20:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	23.2	21.8	32.8

