

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101362.D
 Acq On : 13 Dec 2017 6:51
 Operator : SJ/JU
 Sample : I6764-10 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)

Manual Integrations
 APPROVED

Sohil
 12/13/2017 12:08:38 PM

Quant Time: Dec 13 08:37:49 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	42524	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	152847	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	60291	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	107383	20.00	ng	0.00
75) Chrysene-d12	14.02	240	80893	20.00	ng	0.01
86) Perylene-d12	15.50	264	65345	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	129082	50.16	ng	0.00
7) Phenol-d6	6.46	99	150244	48.09	ng	0.00
23) Nitrobenzene-d5	7.39	82	79253	30.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	29567	40.82	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	172382	39.12	ng	0.00
78) Terphenyl-d14	12.94	244	151967	41.09	ng	0.00
Target Compounds						
31) Naphthalene	8.13	128	20167	2.677	ng	Qvalue 100
48) Acenaphthylene	9.73	152	132289	20.520	ng	98
49) Dimethylphthalate	9.57	163	15455	3.179	ng	98
51) Acenaphthene	9.90	154	9521	2.466	ng	97
54) Dibenzofuran	10.07	168	11826	2.126	ng	# 97
57) Fluorene	10.42	166	16926	3.743	ng	97
70) Phenanthrene	11.39	178	337715	57.109	ng	98
71) Anthracene	11.43	178	112871	18.859	ng	99
72) Carbazole	11.59	167	42283	7.732	ng	99
74) Fluoranthene	12.59	202	853443	130.196	ng	93
77) Pyrene	12.82	202	811117	145.313	ng	99
80) Benzo(a)anthracene	14.01	228	387590	75.887	ng	94
82) Chrysene	14.04	228	386917	81.570	ng	97
83) Bis(2-ethylhexyl)phthalate	13.97	149	16371	4.665	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.00	276	206703	49.016	ng	# 86
87) Benzo(b)fluoranthene	15.07	252	434731m	111.071	ng	
88) Benzo(k)fluoranthene	15.10	252	145215m	37.658	ng	
89) Benzo(a)pyrene	15.44	252	298580	83.911	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	54145m	17.260	ng	
91) Benzo(a,h,i)perylene	17.46	276	205651	69.563	ng	# 91

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

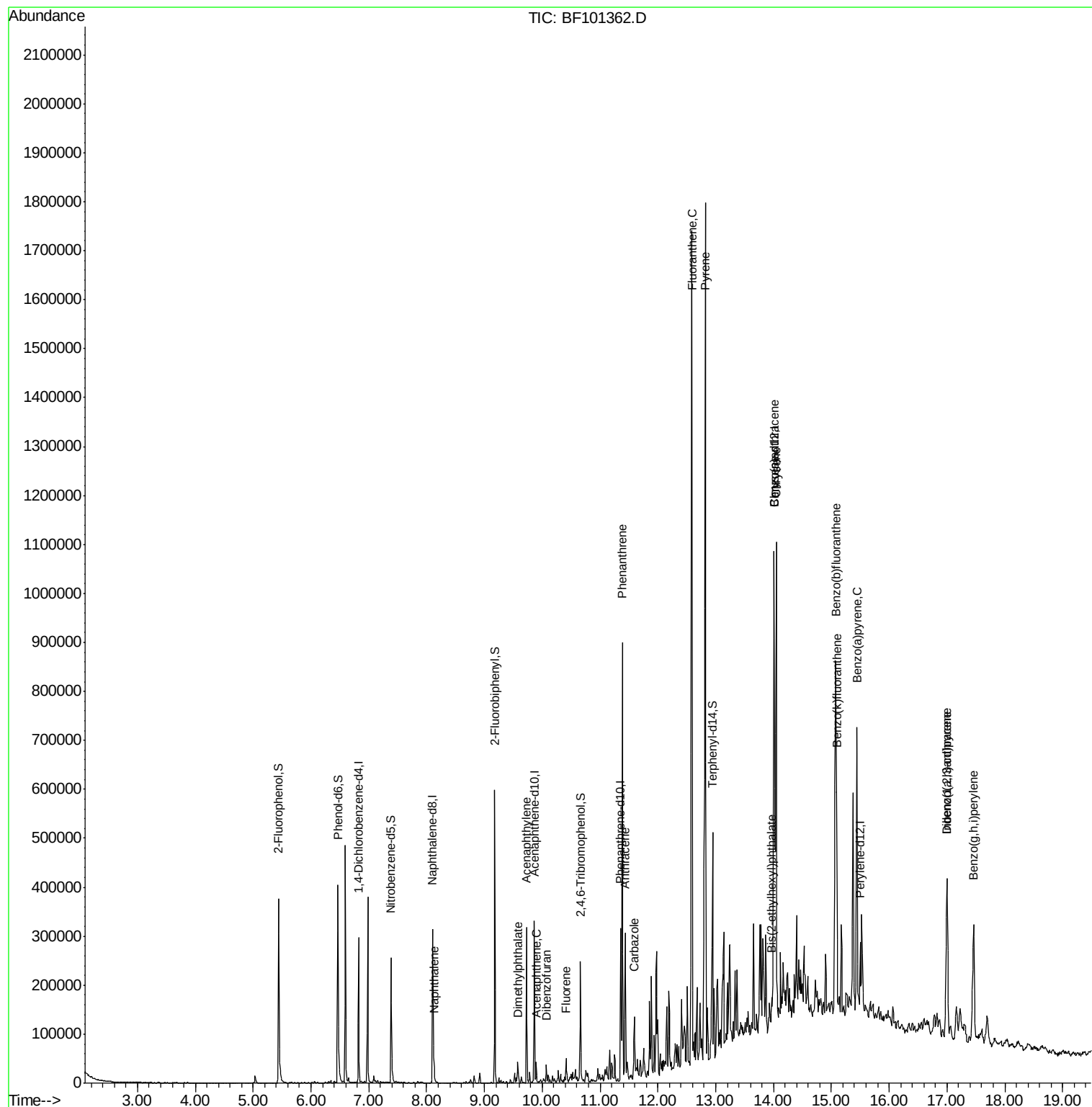
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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Misc :
ALS Vial : 35 Sample Multiplier: 1

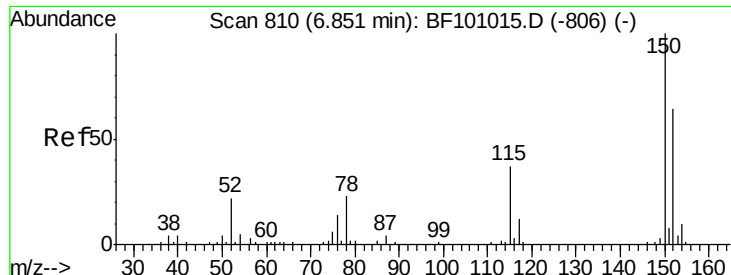
Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

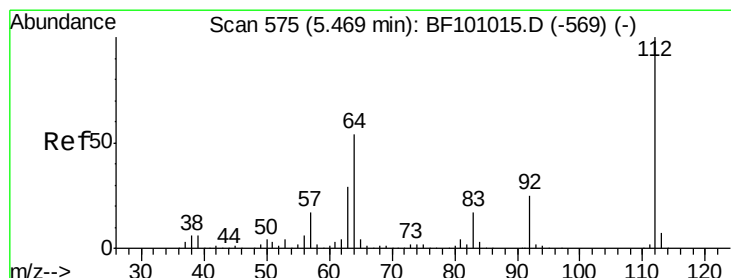
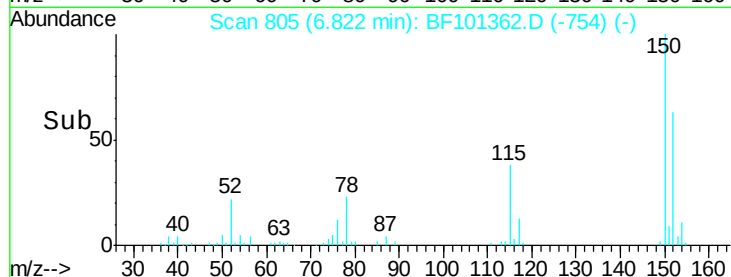
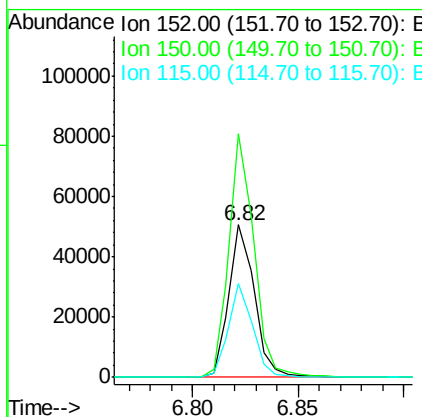
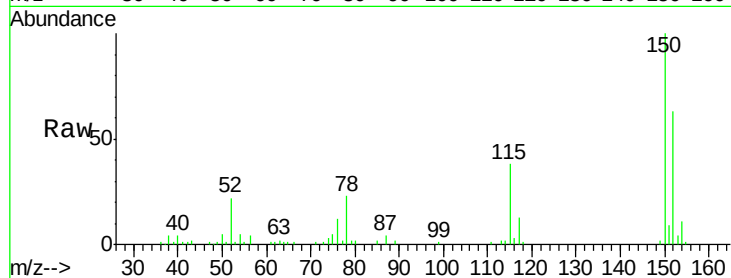
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Instrument :
BNA_F
ClientSampled :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	61.3	50.1	75.1

Manual Integrations
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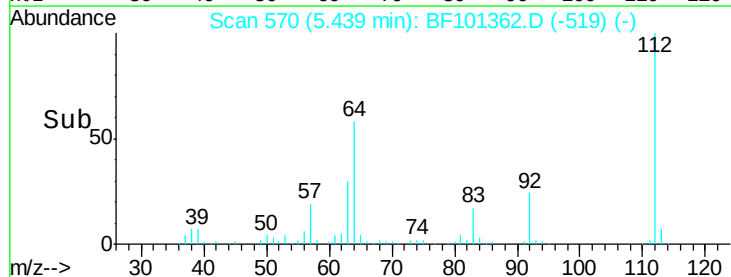
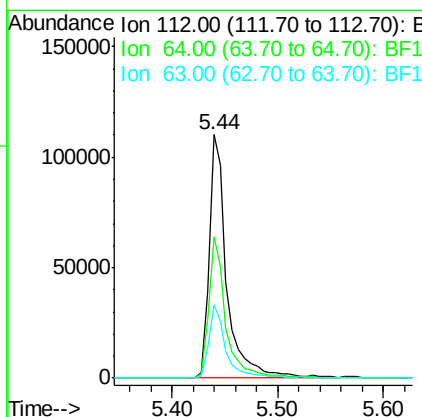
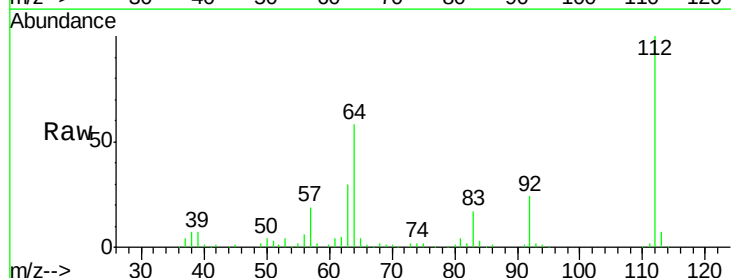
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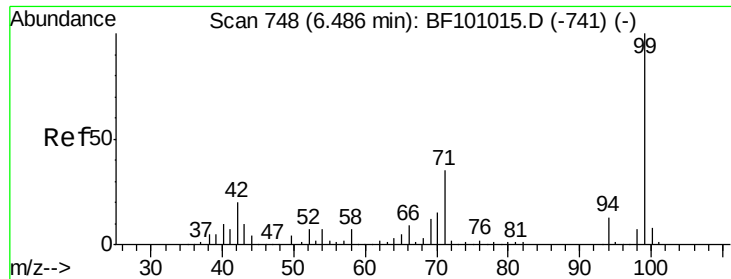


#5

2-Fluorophenol
Concen: 50.160 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 48.088 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101362.D

Acq: 13 Dec 2017 6:51

Instrument :

BNA_F

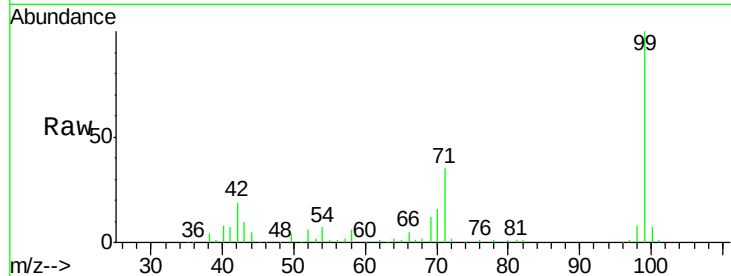
ClientSampleId :

MAP-3-E(4-5)

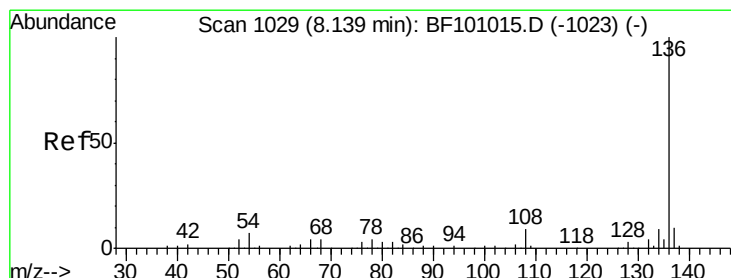
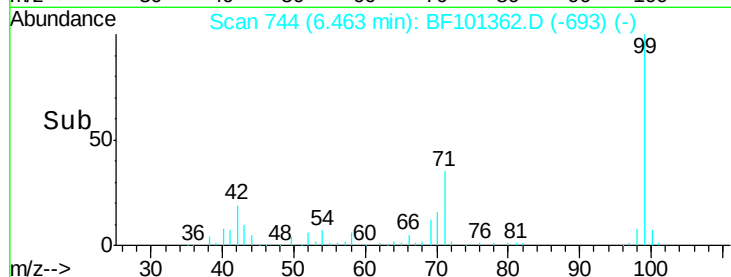
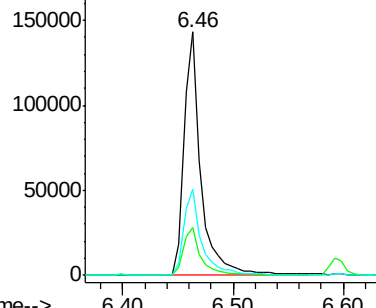
Tot Ion:	99	Resp:	150244
Ion Ratio	Lower	Upper	
99	100		
42	19.4	14.5	21.7
71	35.3	25.4	38.0

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: 8.10 min Scan# 1023

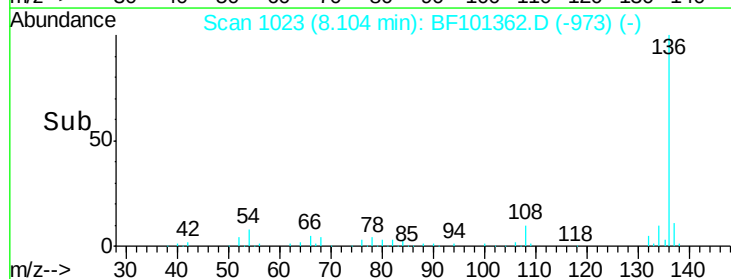
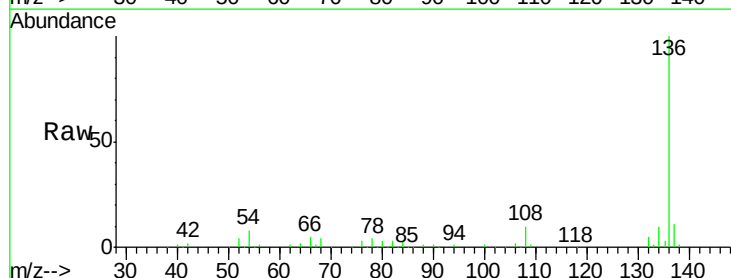
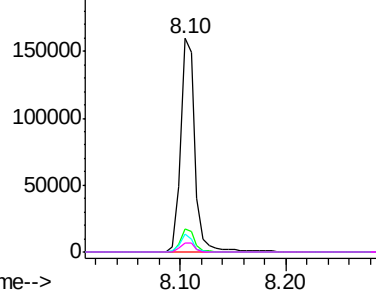
Delta R.T. -0.01 min

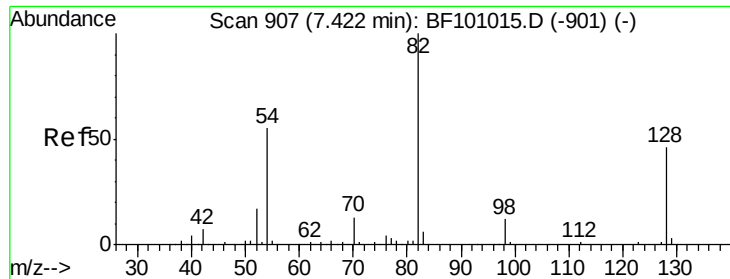
Lab File: BF101362.D

Acq: 13 Dec 2017 6:51

Tgt Ion:	136	Resp:	152847
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	8.1	6.6	9.8
68	4.5	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





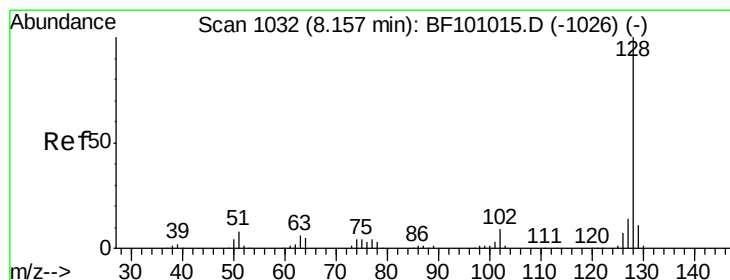
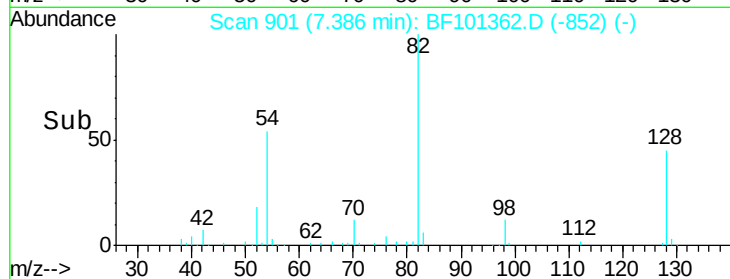
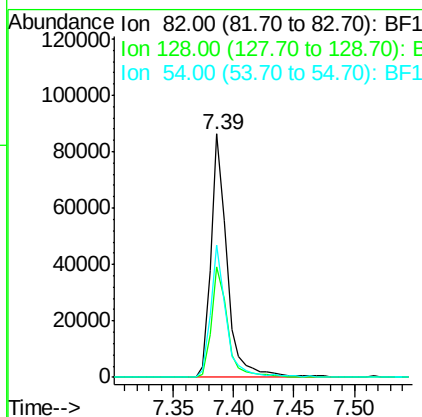
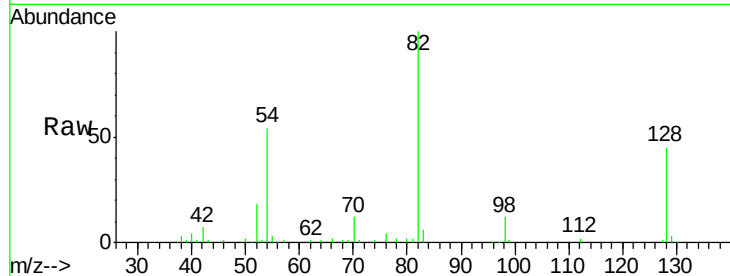
#23
Nitrobenzene-d5
Concen: 30.931 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	54.1	41.4	62.2

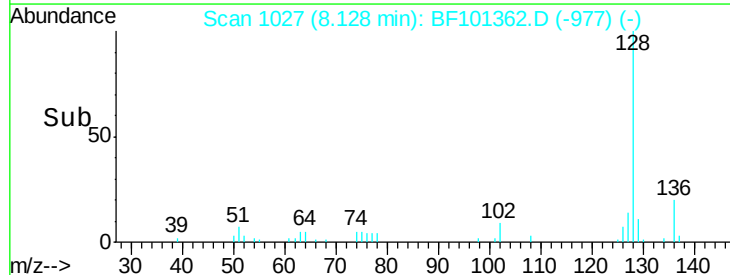
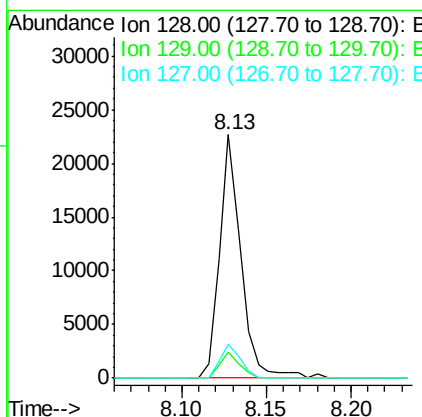
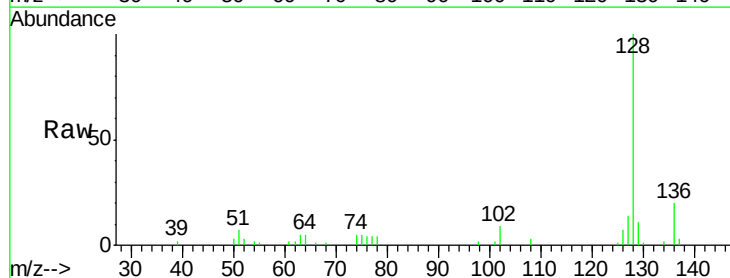
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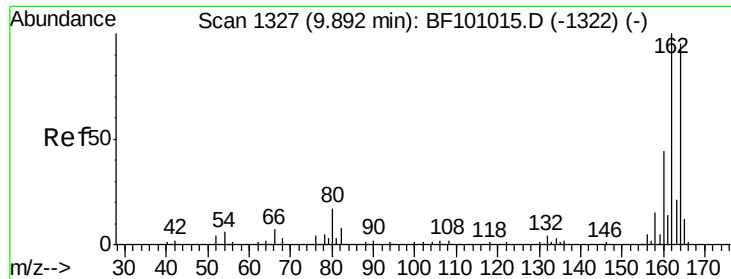
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#31
Naphthalene
Concen: 2.677 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.6	10.9	16.3





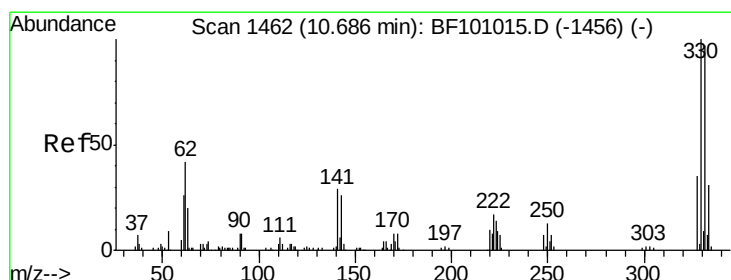
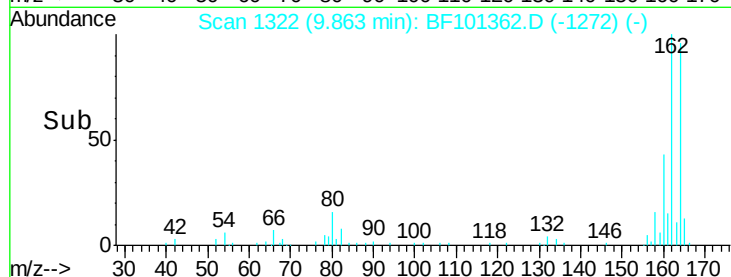
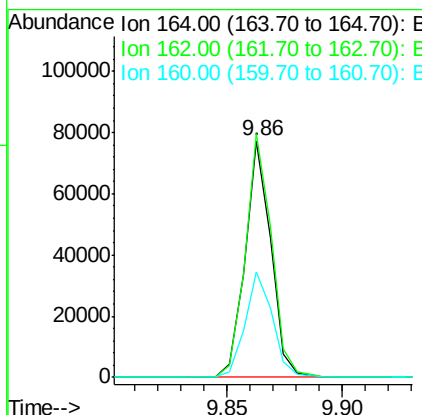
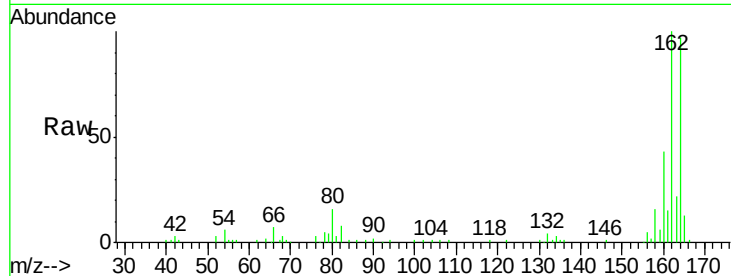
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Instrument :
BNA_F
ClientSampled :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	44.8	38.3	57.5

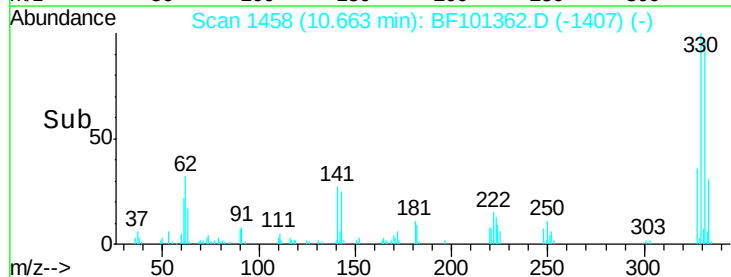
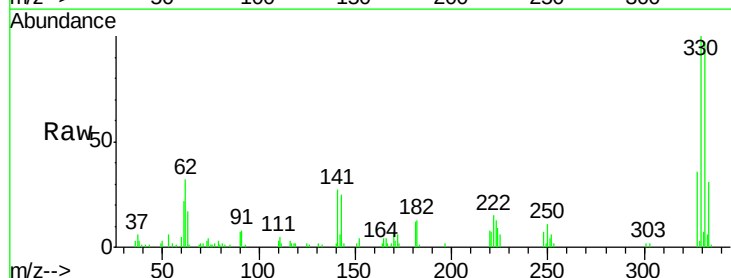
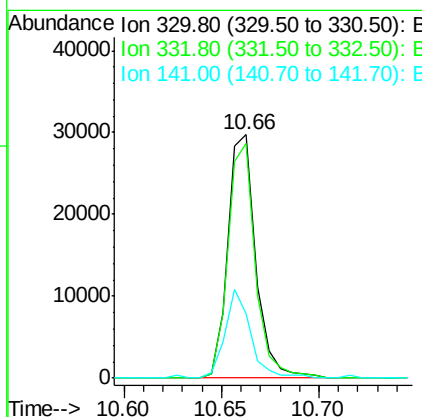
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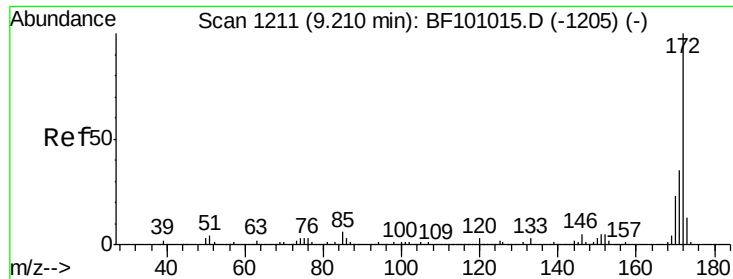
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#41
2,4,6-Tribromophenol
Concen: 40.823 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.00 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	33.6	29.9	44.9





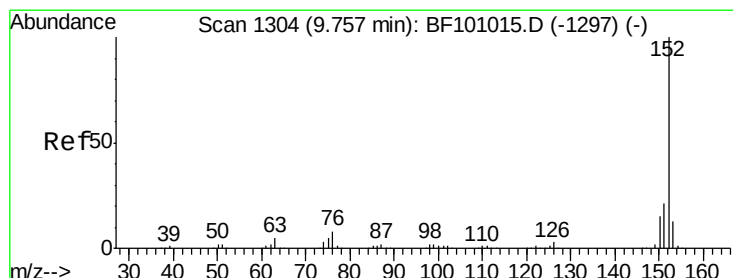
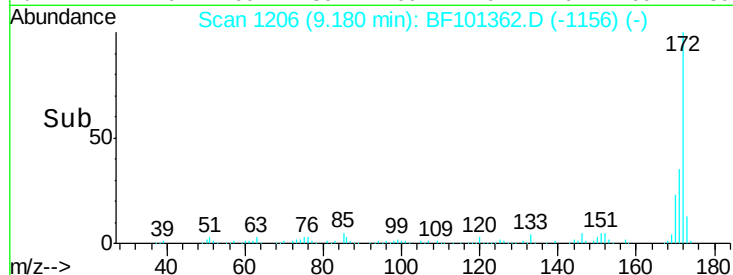
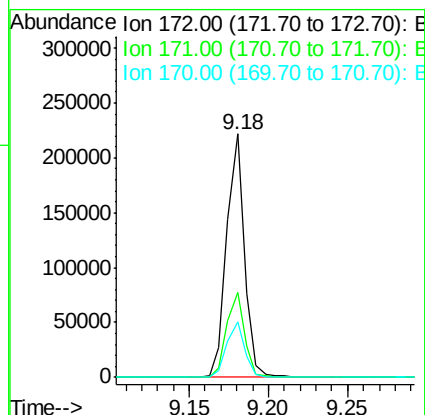
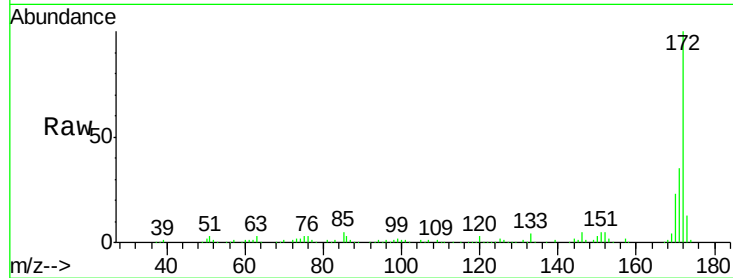
#44
2-Fluorobiphenyl
Concen: 39.119 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	22.8	19.6	29.4

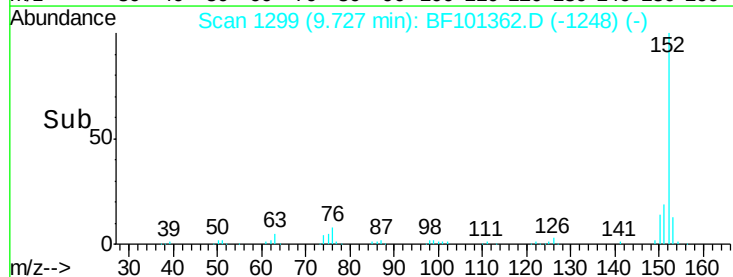
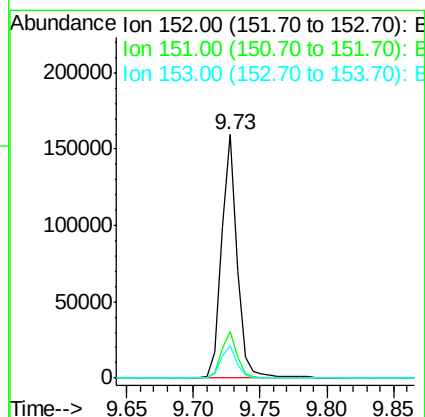
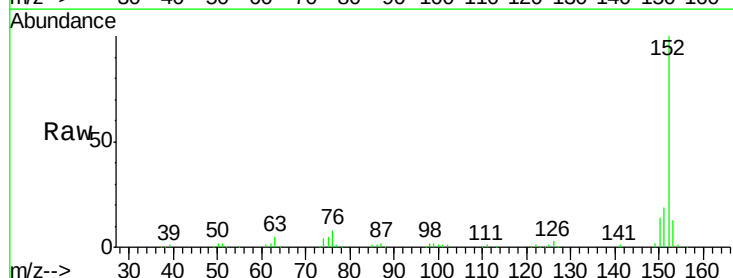
Manual Integrations
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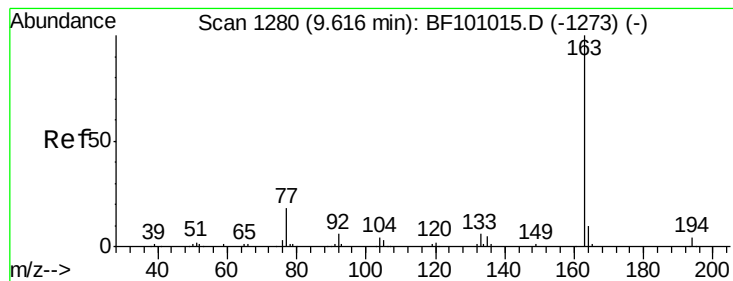
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#48
Acenaphthylene
Concen: 20.520 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.3	24.5
153	13.3	10.7	16.1





#49

Dimethylphthalate

Concen: 3.179 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101362.D

Acq: 13 Dec 2017 6:51

Instrument :

BNA_F

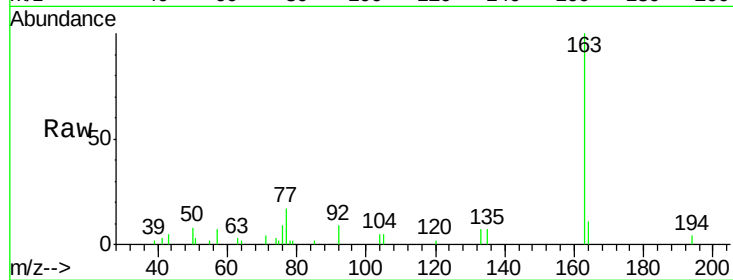
ClientSampled :

MAP-3-E(4-5)

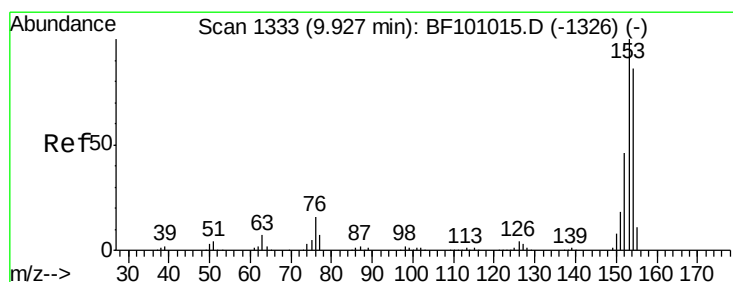
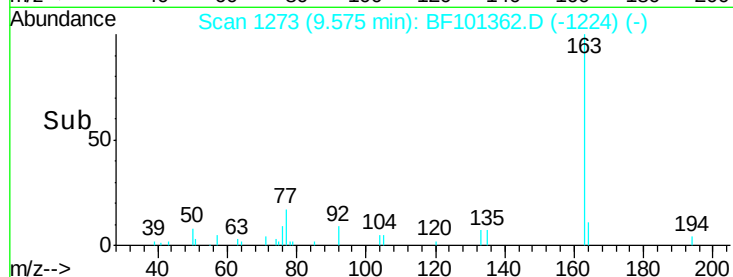
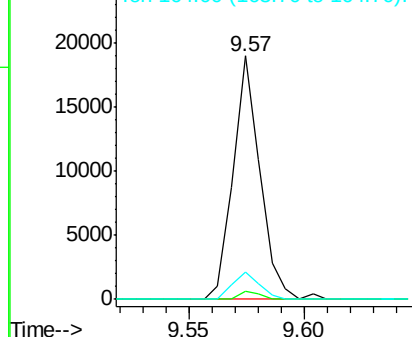
Tot Ion:	163	Resp:	15455
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	11.3	8.2	12.2

Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.466 ng

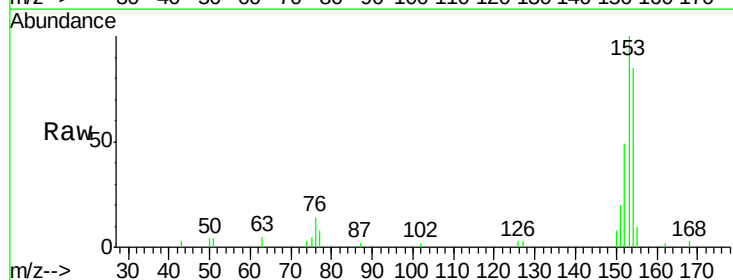
RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

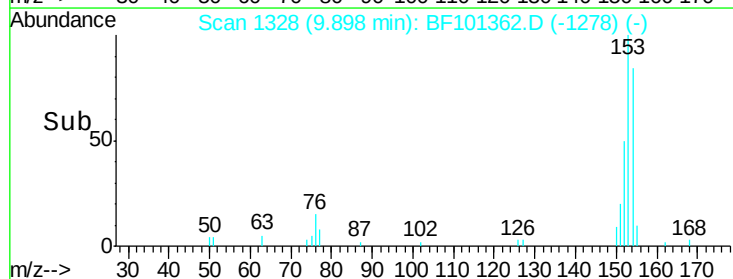
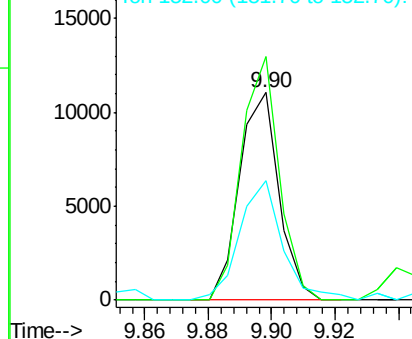
Lab File: BF101362.D

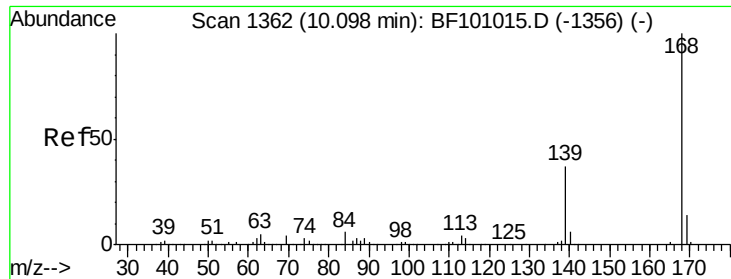
Acq: 13 Dec 2017 6:51

Tgt Ion:	154	Resp:	9521
Ion Ratio	Lower	Upper	
154	100		
153	117.5	91.2	136.8
152	57.8	43.8	65.8



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





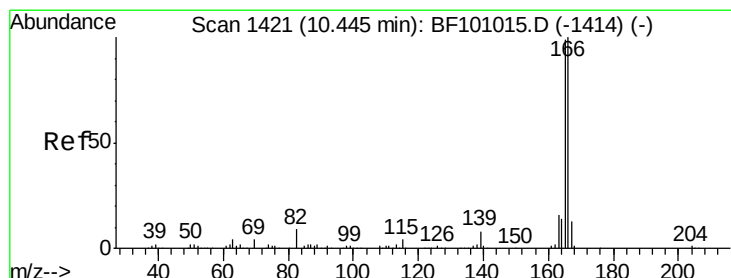
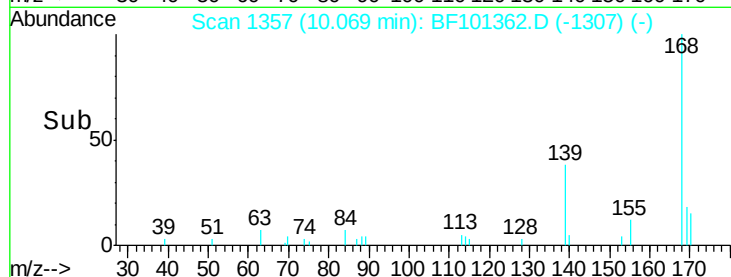
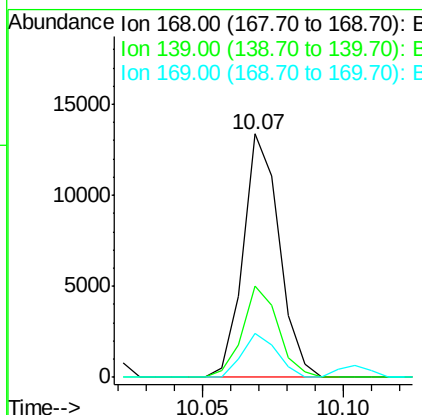
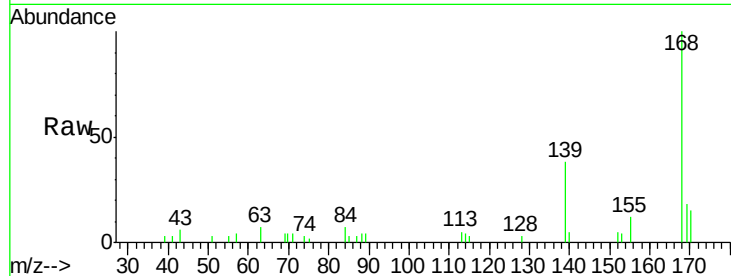
#54
Dibenzenofuran
Concen: 2.126 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.1	45.1
169	18.1	10.9	16.3

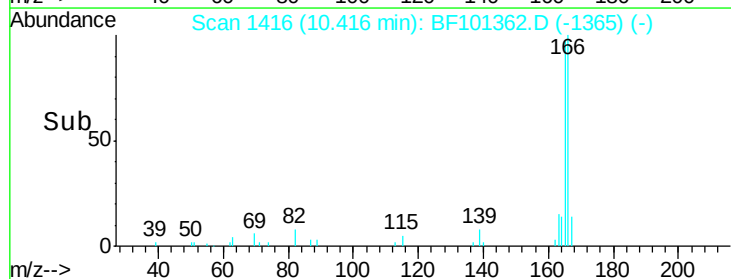
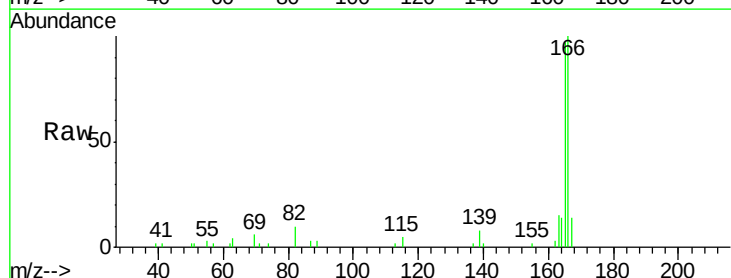
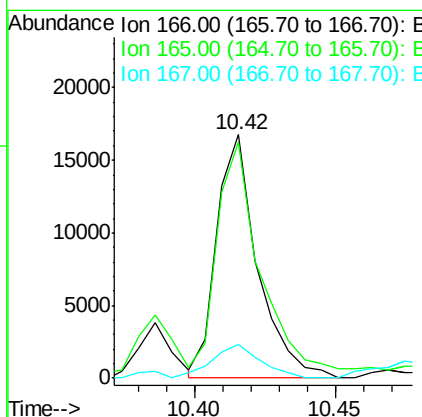
Manual Integrations
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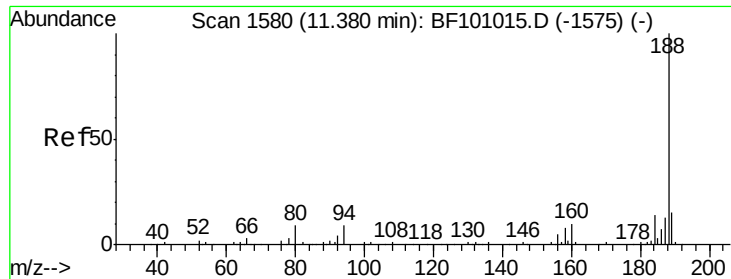
Sohil
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#57
Fluorene
Concen: 3.743 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.8	119.8
167	13.9	10.6	16.0





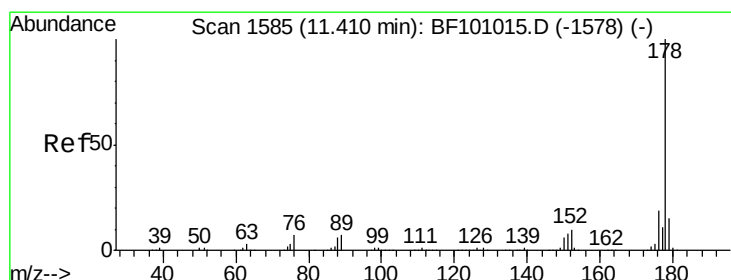
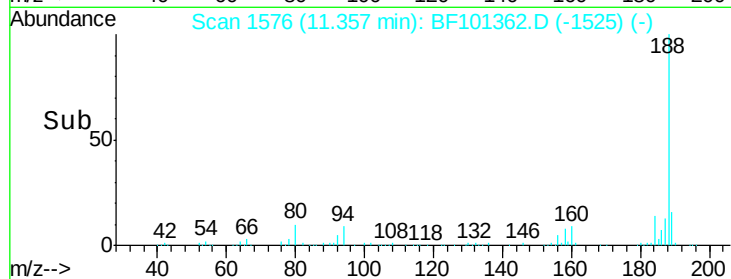
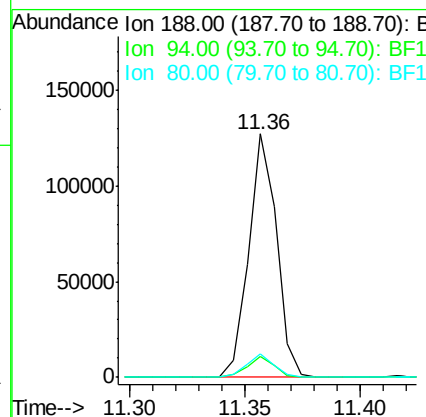
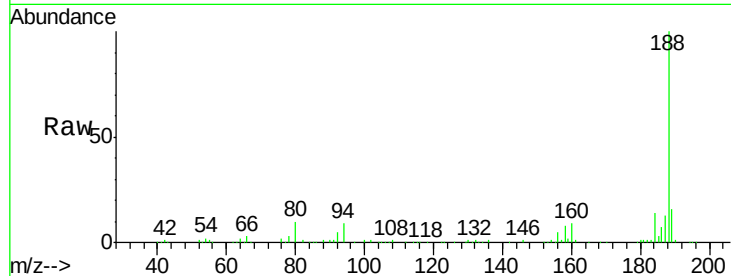
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.7	8.5	12.7
80	9.8	9.2	13.8

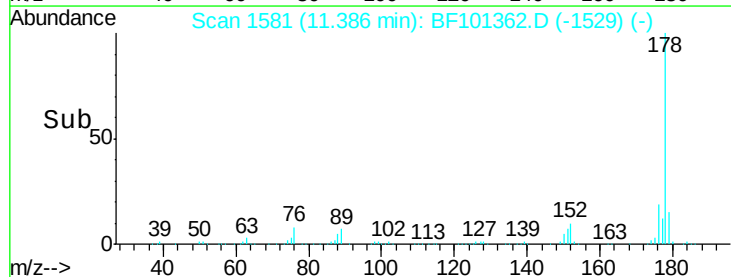
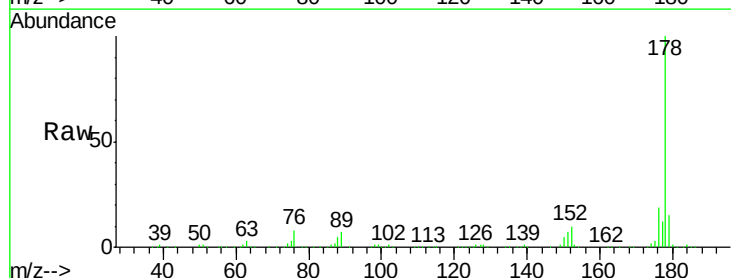
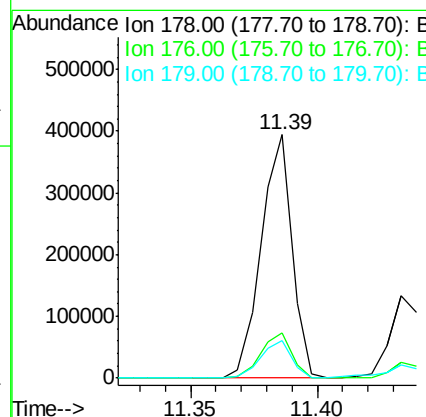
Manual Integrations
APPROVED

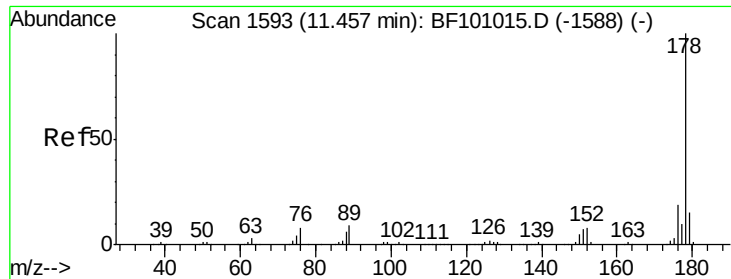
Sohil
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#70
Phenanthrene
Concen: 57.109 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	15.8	23.8
179	15.3	13.0	19.6





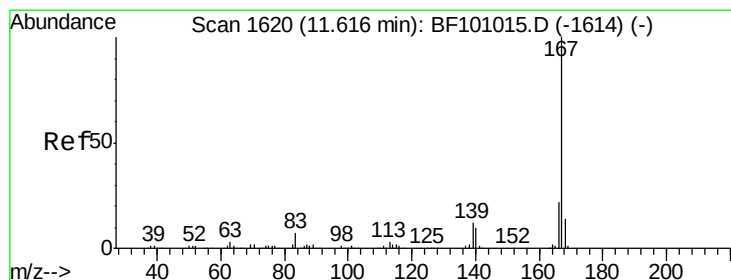
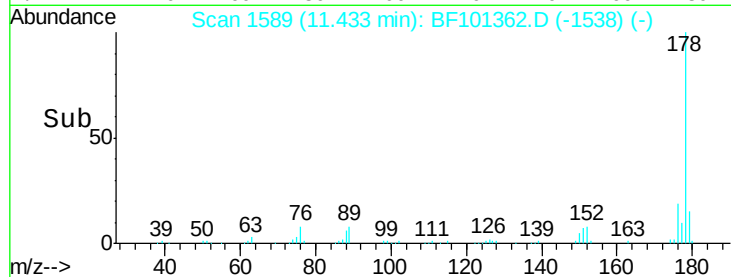
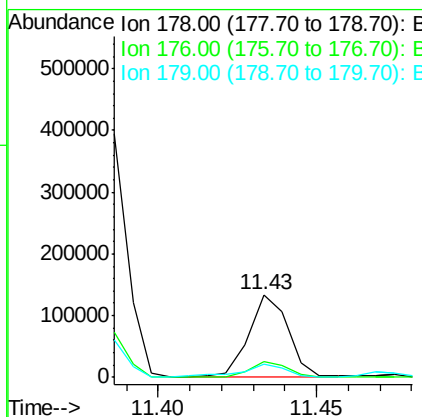
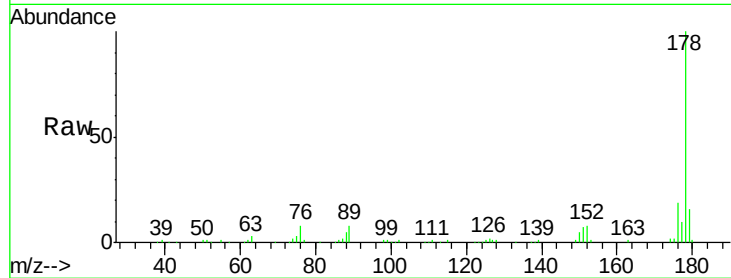
#71
 Anthracene
 Concen: 18.859 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BF101362.D
 Acq: 13 Dec 2017 6:51

Instrument :
 BNA_F
 ClientSampled :
 MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.5	12.6	19.0

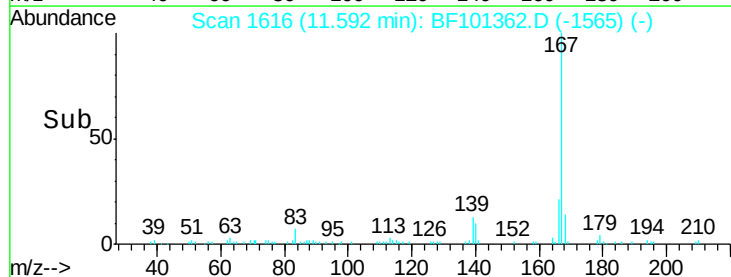
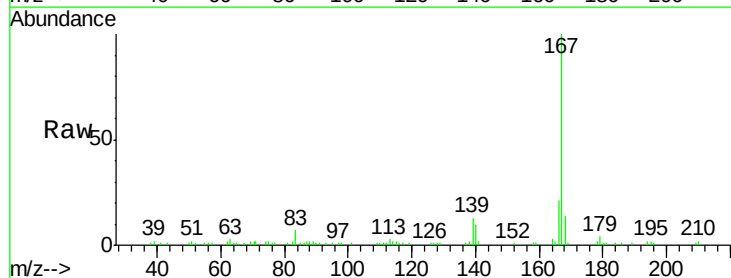
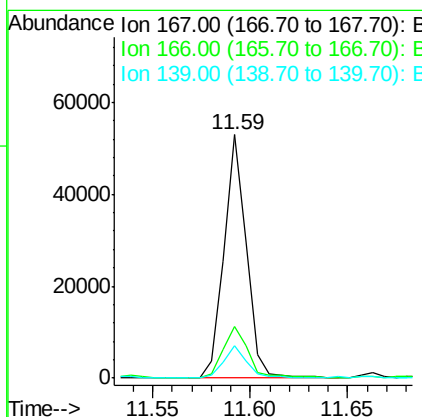
Manual Integrations
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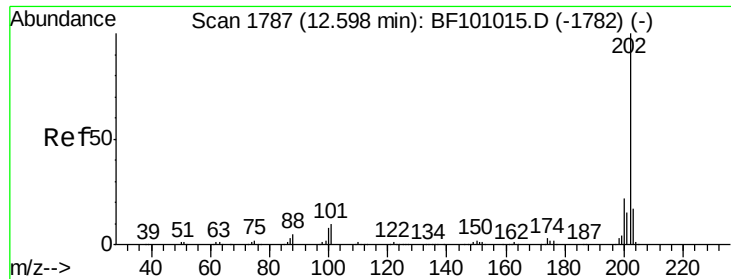
Sohil
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#72
 Carbazole
 Concen: 7.732 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BF101362.D
 Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	13.2	10.9	16.3





#74

Fluoranthene

Concen: 130.196 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.02 min

Lab File: BF101362.D

Acq: 13 Dec 2017 6:51

Instrument :

BNA_F

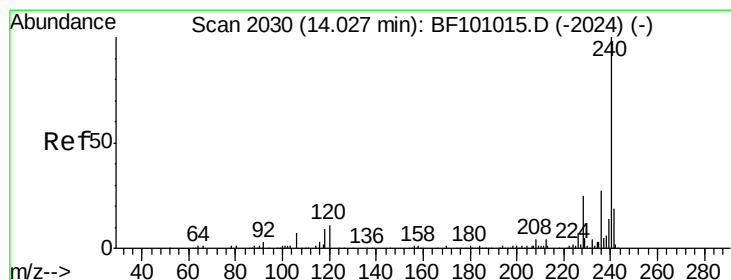
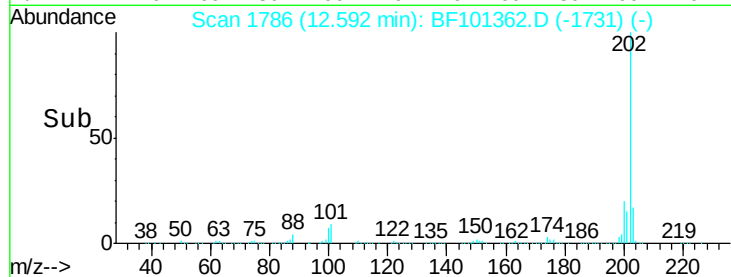
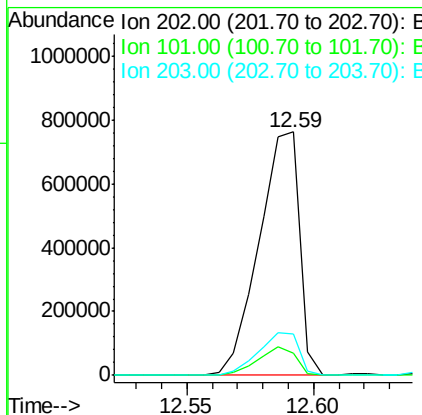
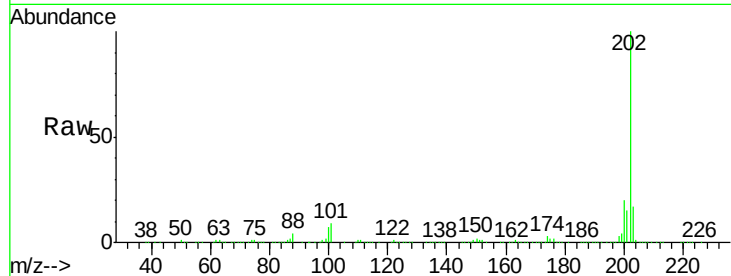
ClientSampled :

MAP-3-E(4-5)

Tot Ion:	202	Resp:	853443
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	34.1
203	16.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

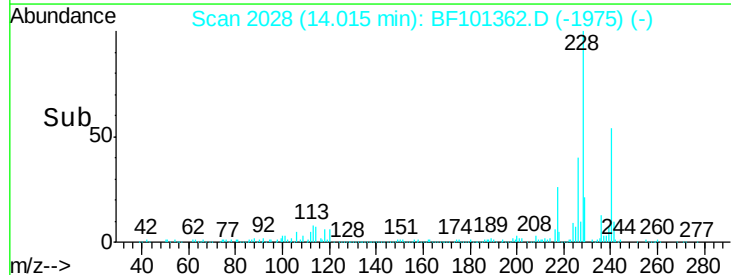
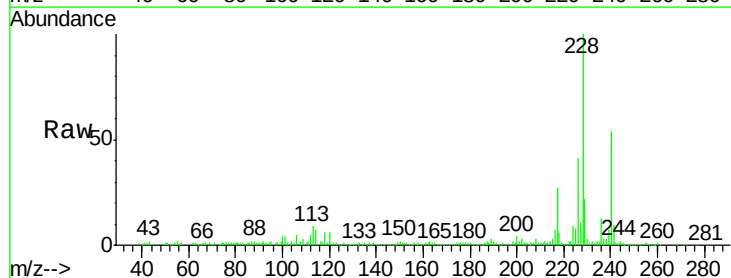
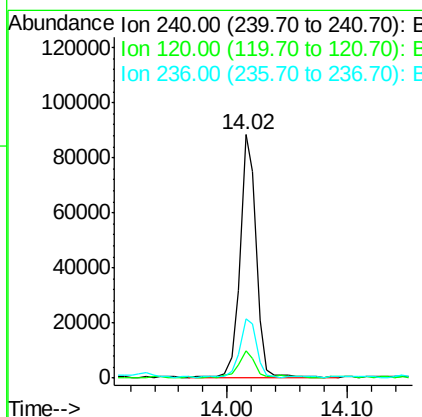
RT: 14.02 min Scan# 2028

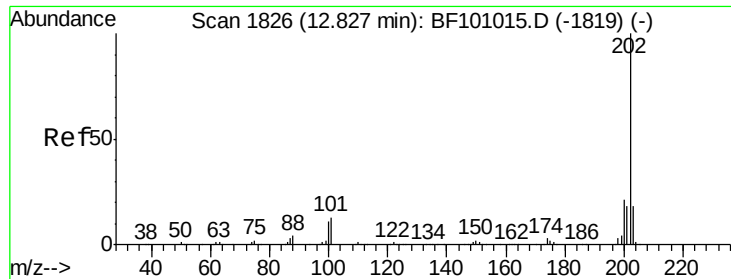
Delta R.T. 0.01 min

Lab File: BF101362.D

Acq: 13 Dec 2017 6:51

Tgt Ion:	240	Resp:	80893
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.5	14.3
236	24.6	20.7	31.1





#77

Pvrene

Concen: 145.313 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.02 min

Lab File: BF101362.D

Acq: 13 Dec 2017 6:51

Instrument :

BNA_F

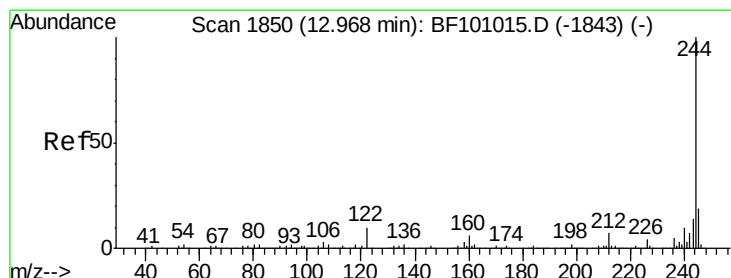
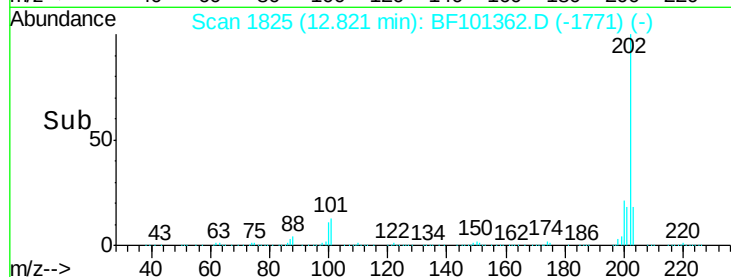
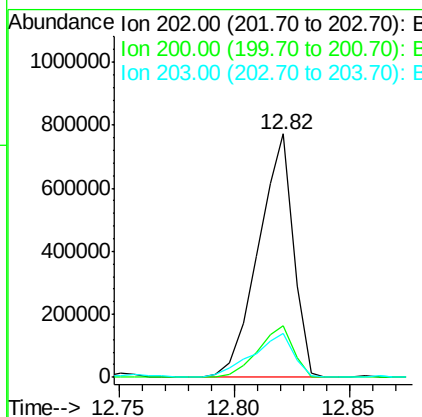
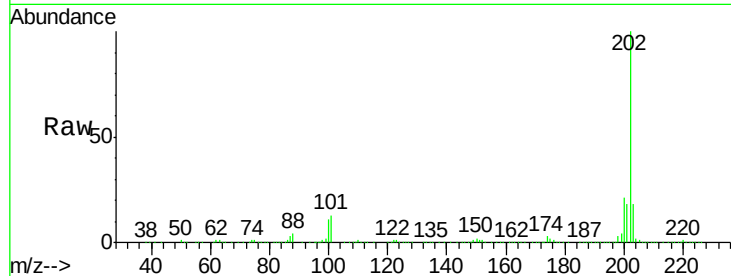
ClientSampleId :

MAP-3-E(4-5)

Tot Ion:	202	Resp:	811117
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 41.090 ng

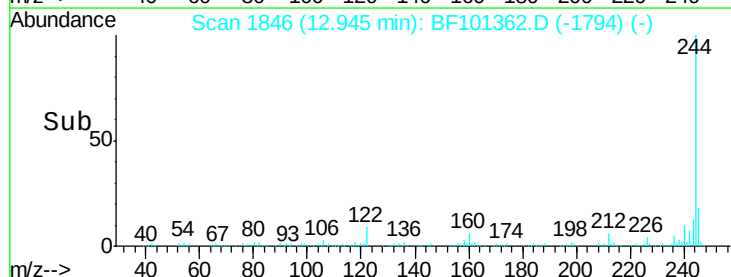
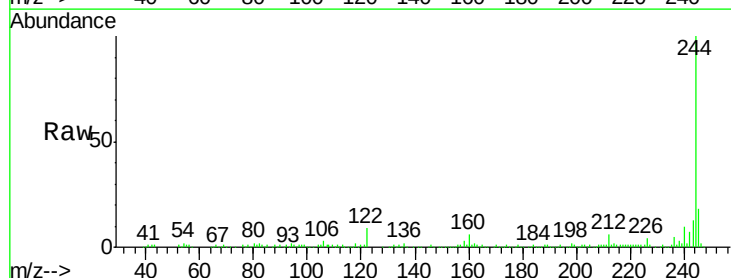
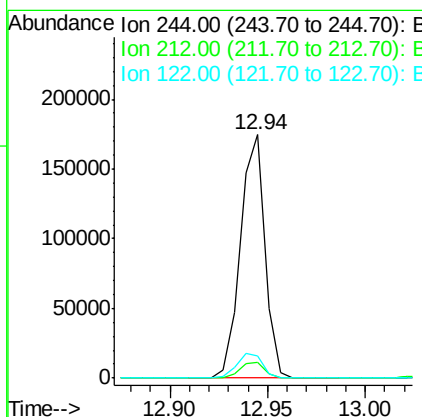
RT: 12.94 min Scan# 1846

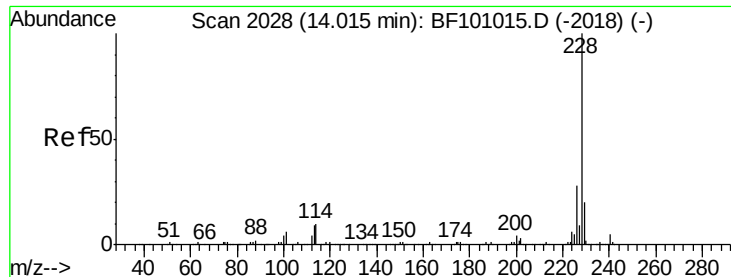
Delta R.T. 0.01 min

Lab File: BF101362.D

Acq: 13 Dec 2017 6:51

Tgt Ion:	244	Resp:	151967
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.9	11.0	16.4#





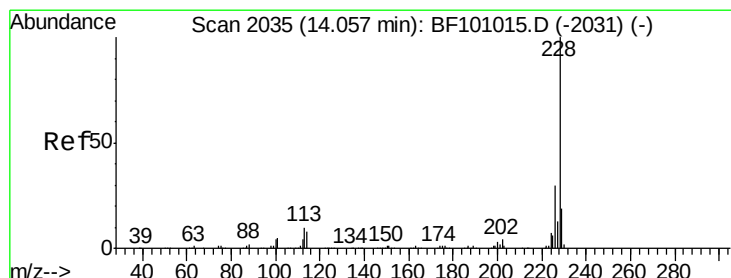
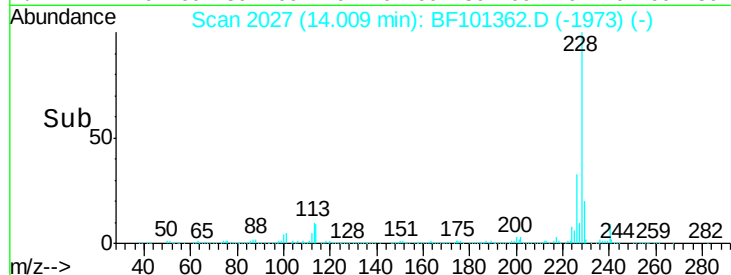
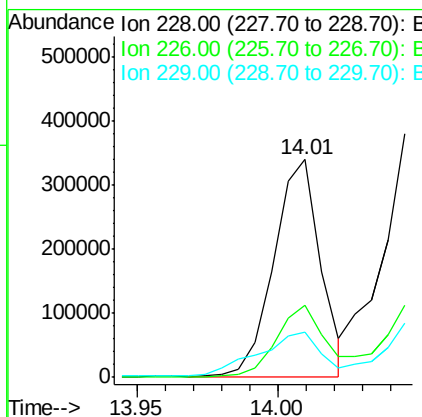
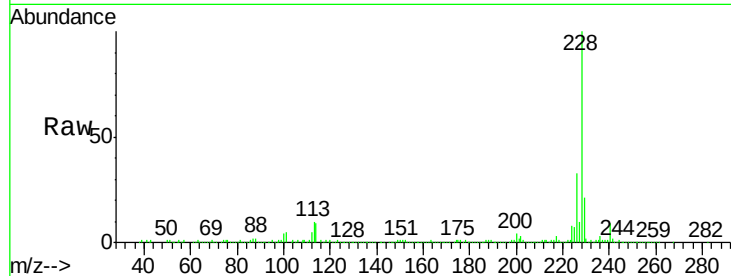
#80
Benzo(a)anthracene
Concen: 75.887 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		387590		
226	33.2	22.6	33.8		
229	20.7	15.8	23.6		

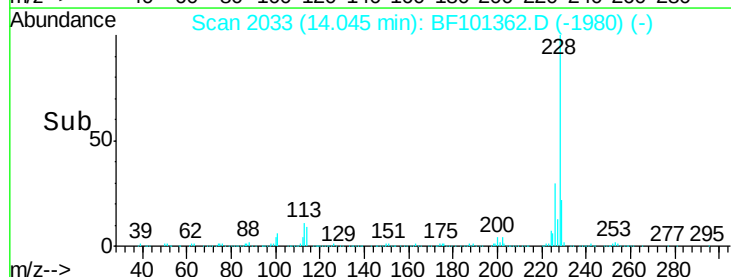
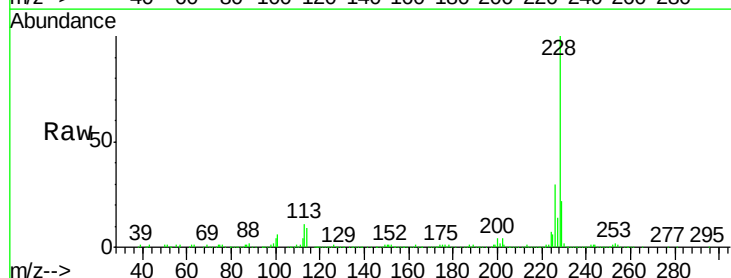
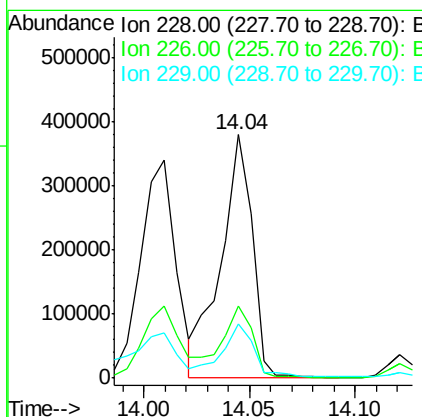
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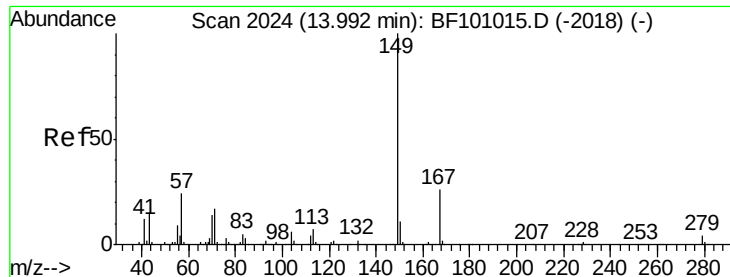
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#82
Chrysene
Concen: 81.570 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		386917		
226	29.7	25.0	37.6		
229	22.2	16.2	24.4		





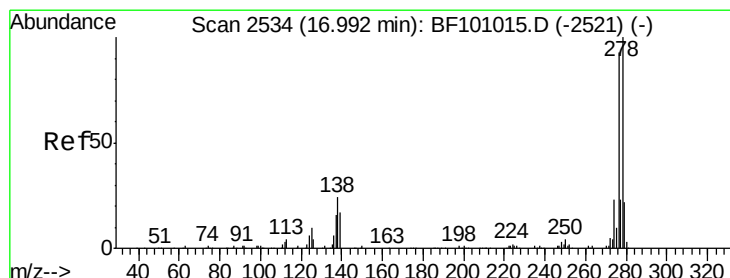
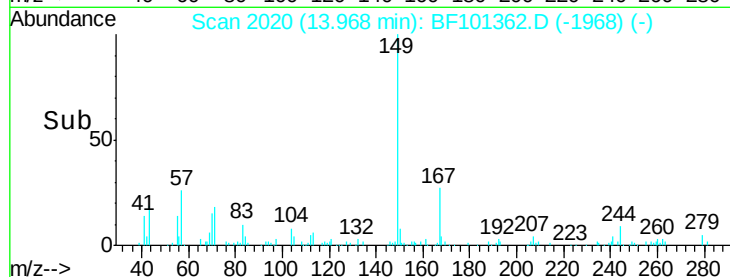
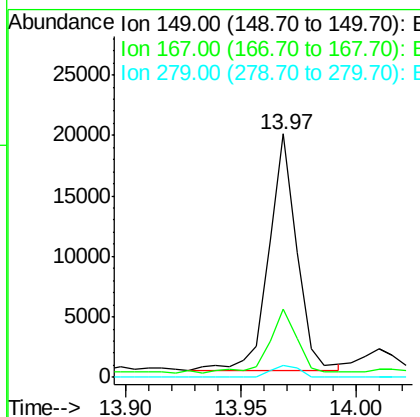
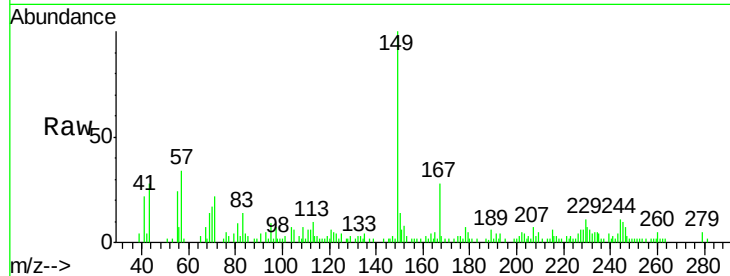
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.665 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.3	31.9
279	5.0	3.0	4.4

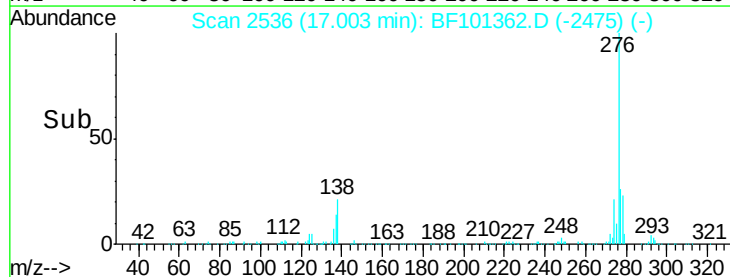
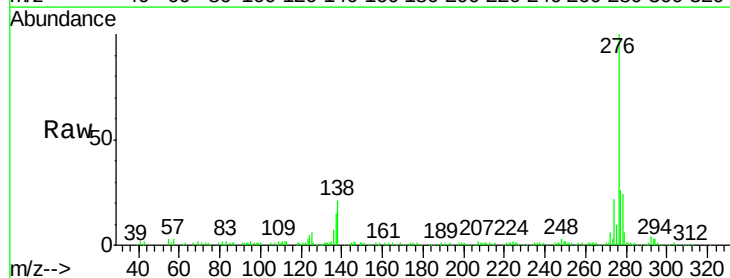
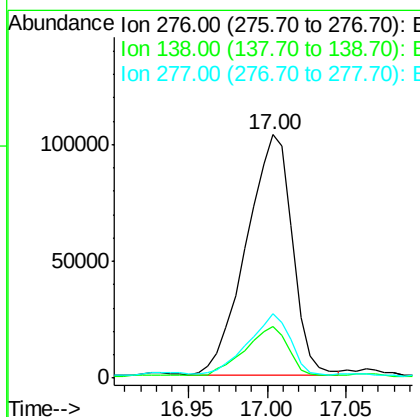
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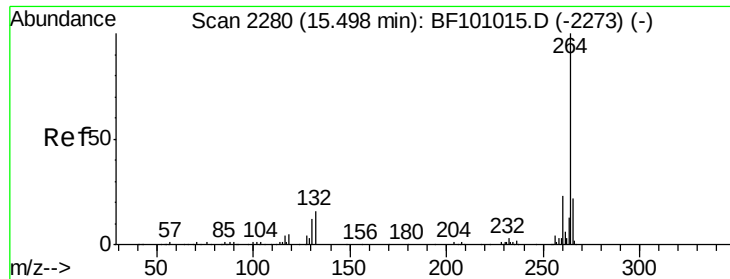
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#85
Indeno(1,2,3-cd)pyrene
Concen: 49.016 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.06 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	25.0	37.6
277	23.4	20.1	30.1





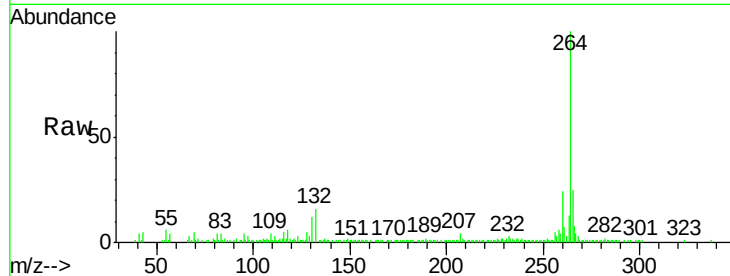
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.03 min
 Lab File: BF101362.D
 Acq: 13 Dec 2017 6:51

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)

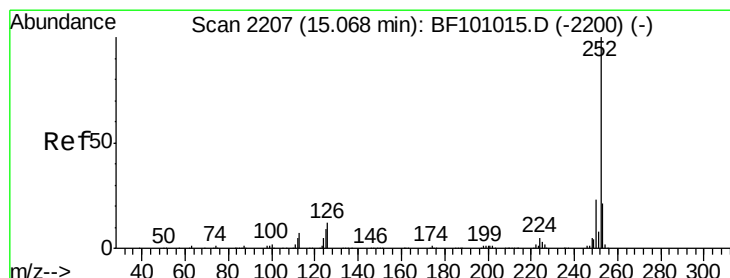
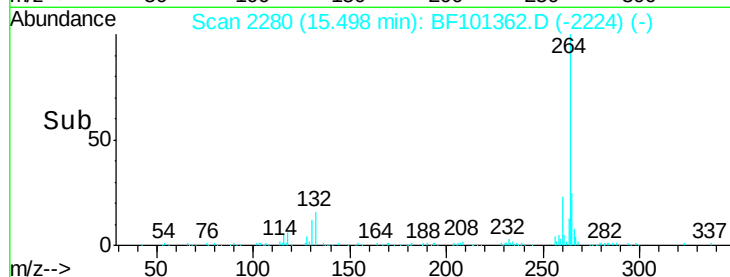
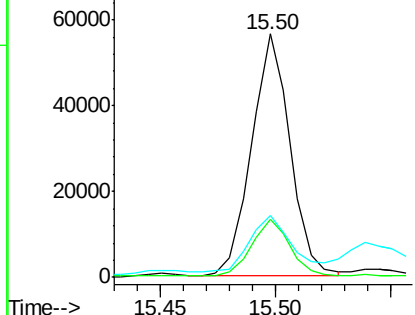
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	25.3	17.5	26.3

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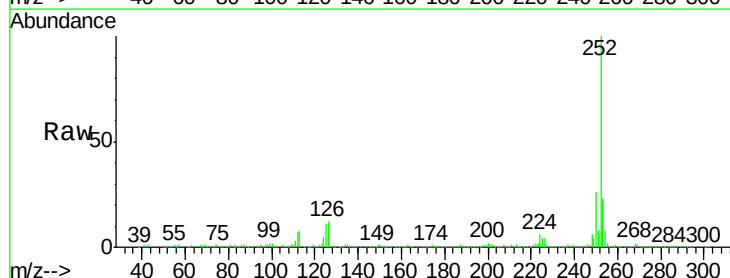


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

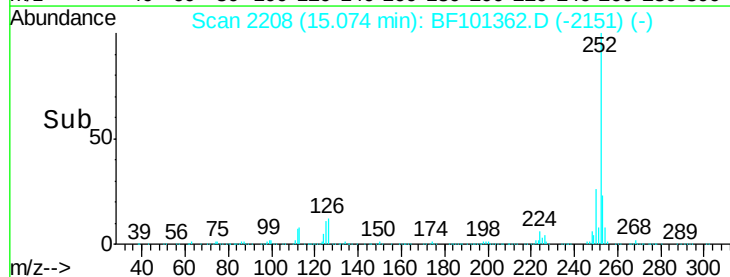
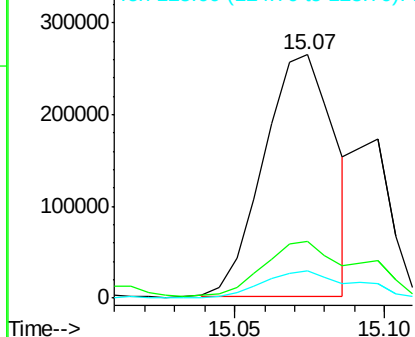


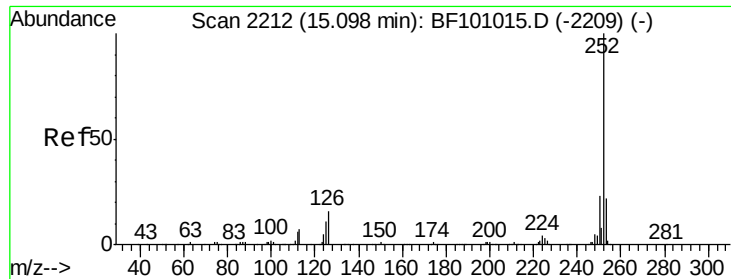
#87
 Benzo(b)fluoranthene
 Concen: 111.071 ng m
 RT: 15.07 min Scan# 2208
 Delta R.T. 0.04 min
 Lab File: BF101362.D
 Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	11.3	9.0	13.6



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





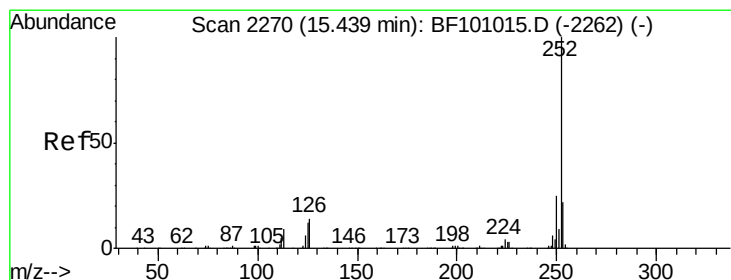
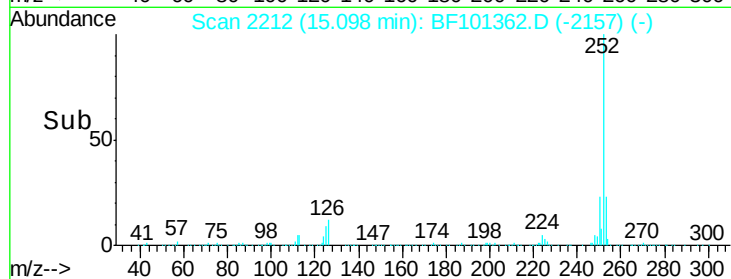
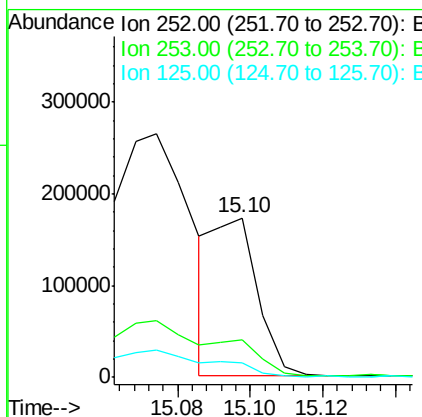
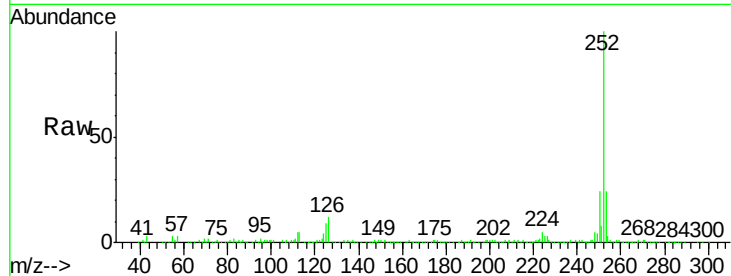
#88
Benzo(k)fluoranthene
Concen: 37.658 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.02 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	9.2	10.2	15.2

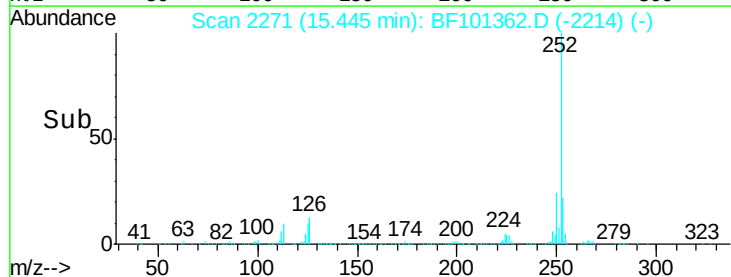
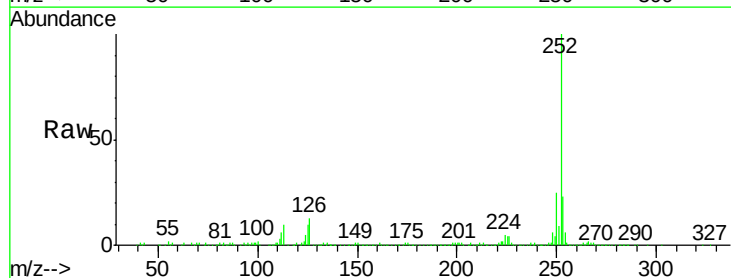
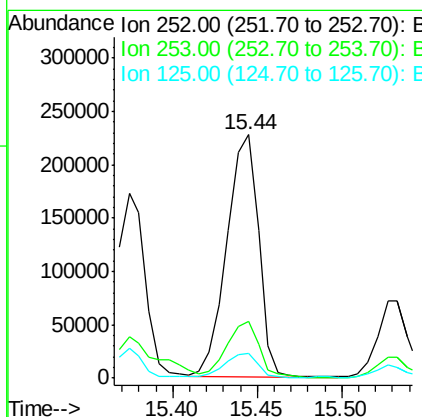
Manual Integrations
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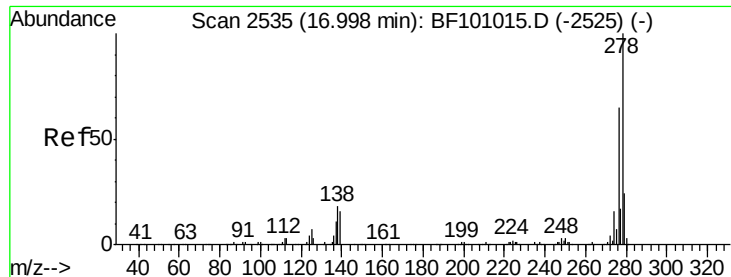
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#89
Benzo(a)pyrene
Concen: 83.911 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.04 min
Lab File: BF101362.D
Acq: 13 Dec 2017 6:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	10.4	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 17.260 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.05 min

Lab File: BF101362.D

Acq: 13 Dec 2017 6:51

Instrument :

BNA_F

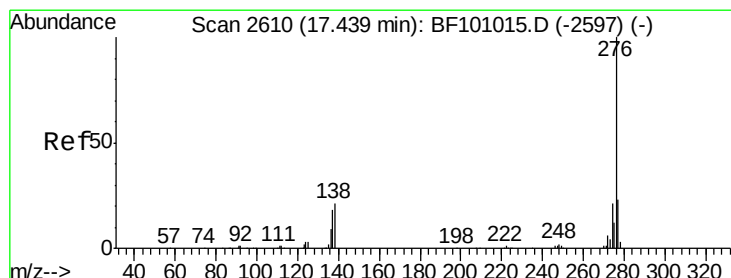
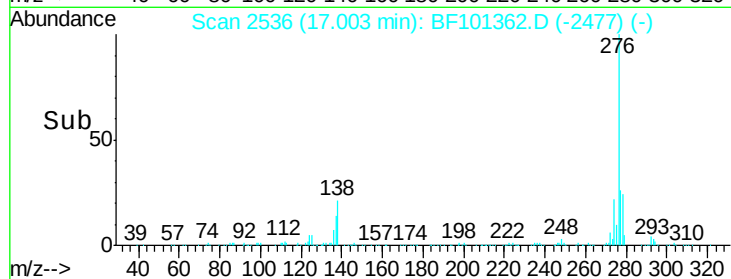
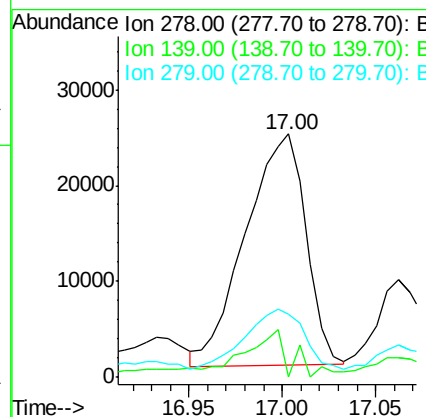
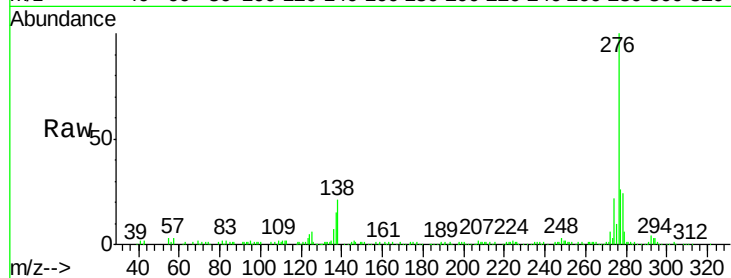
ClientSampleId :

MAP-3-E(4-5)

Tot Ion:278	Resp:	54145
Ion Ratio	Lower	Upper
278	100	
139	0.0	15.9 23.9#
279	25.9	19.0 28.4

Manual Integrations
APPROVED

Sohil
12/13/2017 12:08:38 PM



#91

Benzo(g,h,i)perylene

Concen: 69.563 ng

RT: 17.46 min Scan# 2614

Delta R.T. 0.07 min

Lab File: BF101362.D

Acq: 13 Dec 2017 6:51

Tgt Ion:276	Resp:	205651
Ion Ratio	Lower	Upper
276	100	
277	25.1	17.9 26.9
138	21.0	21.8 32.8#

