

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098691.D
 Acq On : 22 Sep 2017 11:11
 Operator : SJ/JU
 Sample : I5293-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP

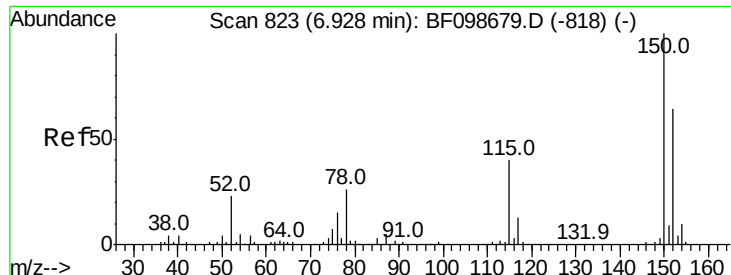
Manual Integrations
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Quant Time: Sep 22 13:05:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 11:54:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	149234	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	583813	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	225872	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	329833	20.00	ng	0.00
75) Chrysene-d12	14.09	240	317889	20.00	ng	0.00
86) Perylene-d12	15.58	264	350473	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1095777	111.50	ng	0.01
7) Phenol-d6	6.55	99	1304261	109.60	ng	0.00
23) Nitrobenzene-d5	7.49	82	761469	88.47	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	219098	106.07	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1094056	77.08	ng	0.00
78) Terphenyl-d14	13.03	244	794515	53.67	ng	0.00
Target Compounds						
10) Phenol	6.56	94	47289	3.600	ng	97
49) Dimethylphthalate	9.67	163	129627	7.653	ng	98
51) Acenaphthene	9.99	154	29430	2.118	ng	95
57) Fluorene	10.51	166	33358	2.188	ng	98
70) Phenanthrene	11.47	178	281237	15.718	ng	97
71) Anthracene	11.52	178	126133	6.914	ng	98
74) Fluoranthene	12.66	202	546489	30.647	ng	98
77) Pyrene	12.89	202	446370	18.914	ng	99
80) Benzo(a)anthracene	14.07	228	135499	7.076	ng	96
82) Chrysene	14.11	228	110540	5.978	ng	96
85) Indeno(1,2,3-cd)pyrene	17.08	276	40627	2.832	ng	97
87) Benzo(b)fluoranthene	15.13	252	118749m	5.842	ng	
88) Benzo(k)fluoranthene	15.16	252	50448m	2.484	ng	
89) Benzo(a)pyrene	15.51	252	83260	4.511	ng	# 93
91) Benzo(a,h,i)perylene	17.53	276	37473	2.388	ng	96

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



#1

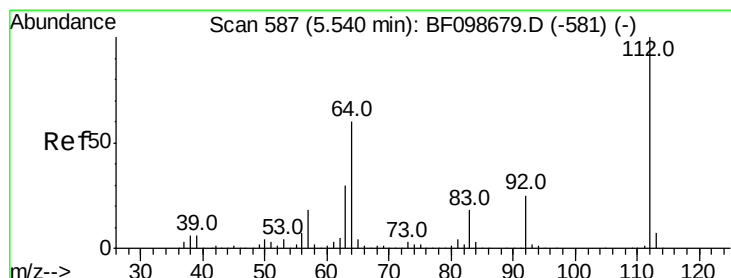
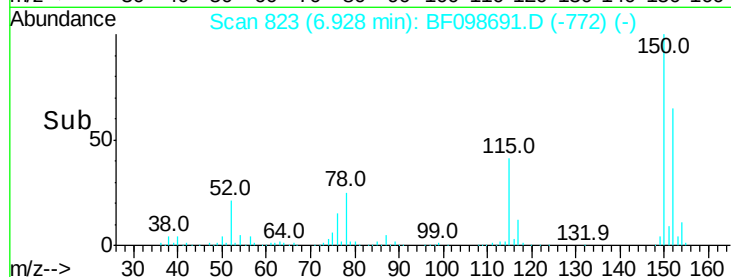
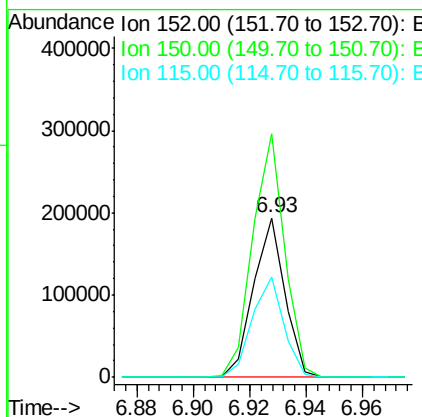
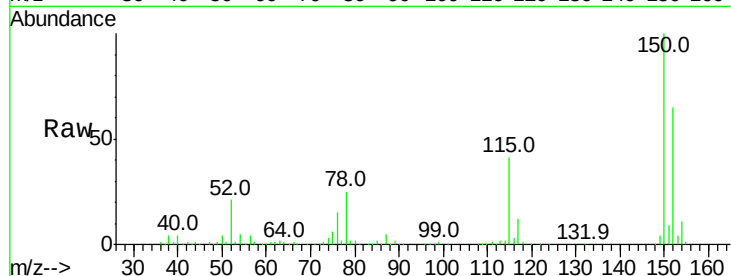
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.6	186.8
115	62.5	50.1	75.1

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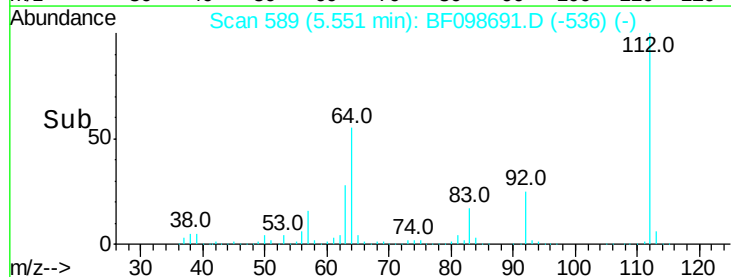
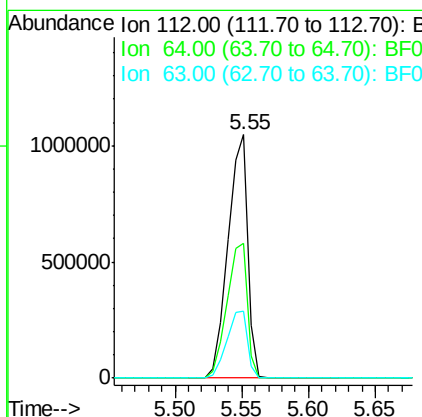
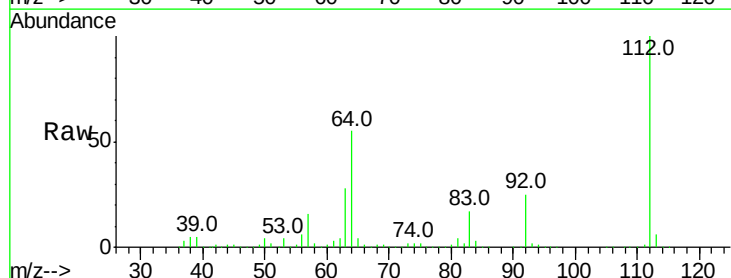
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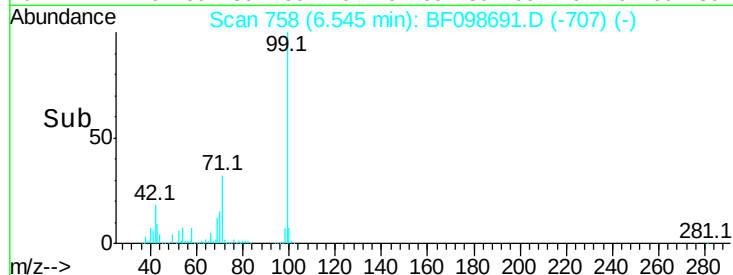
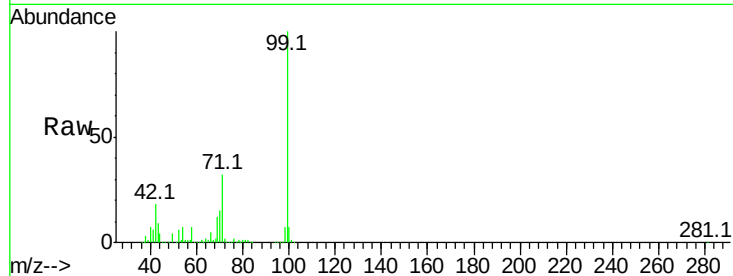
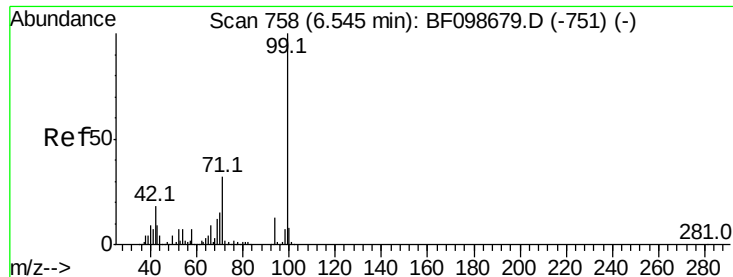


#5

2-Fluorophenol
Concen: 111.500 ng
RT: 5.55 min Scan# 589
Delta R.T. 0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 109.596 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF098691.D

Acq: 22 Sep 2017 11:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		1304261		
42	17.9	14.5	21.7		
71	32.0	25.4	38.0		

Instrument :

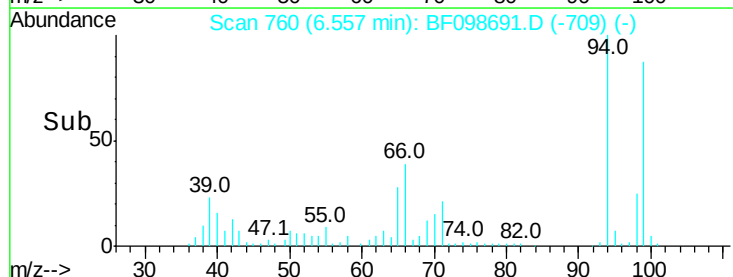
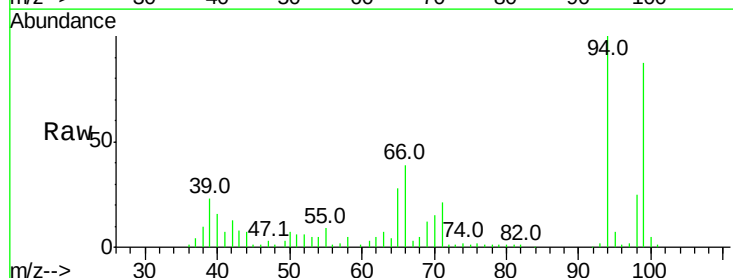
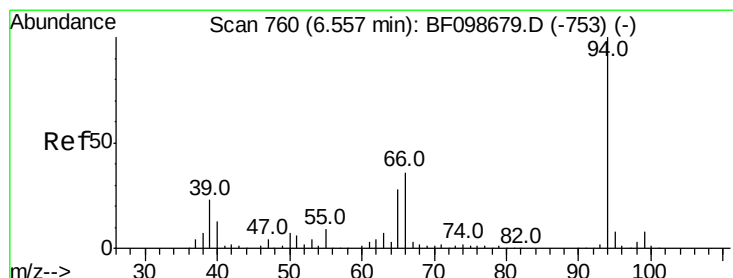
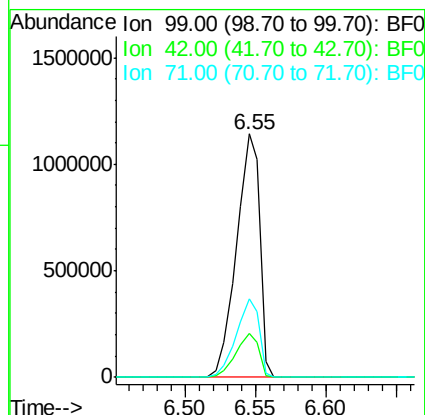
BNA_F

ClientSampleId :

TP-1-COMP

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#10

Phenol

Concen: 3.600 ng

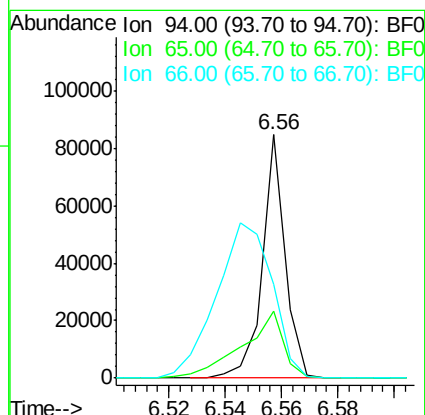
RT: 6.56 min Scan# 760

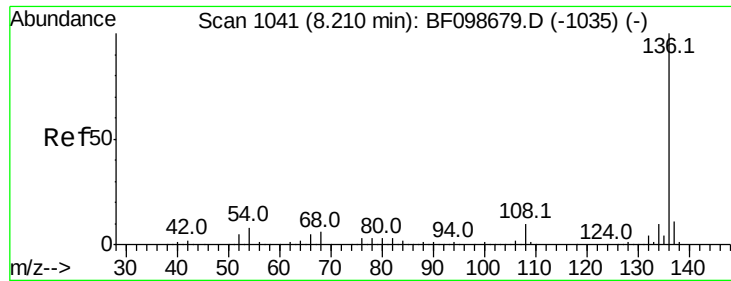
Delta R.T. 0.00 min

Lab File: BF098691.D

Acq: 22 Sep 2017 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		47289		
65	27.5	7.9	47.9		
66	38.8	16.2	56.2		





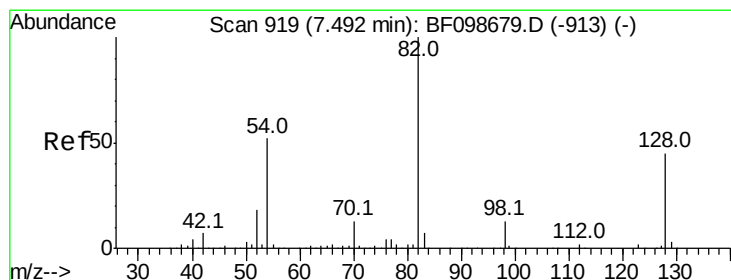
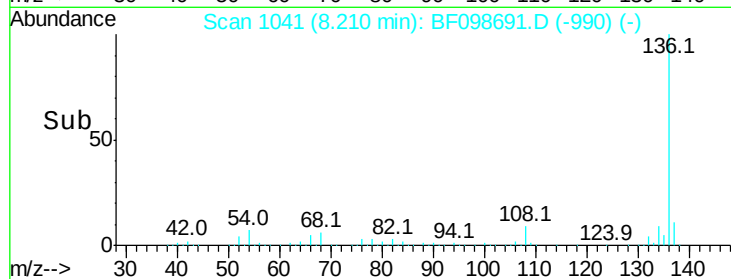
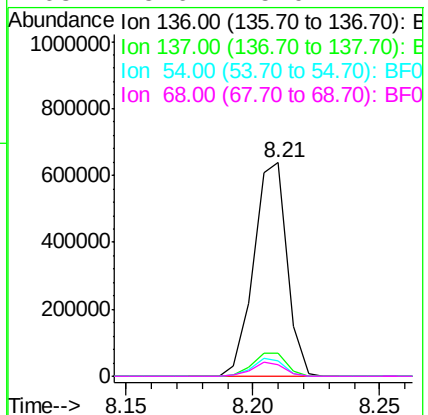
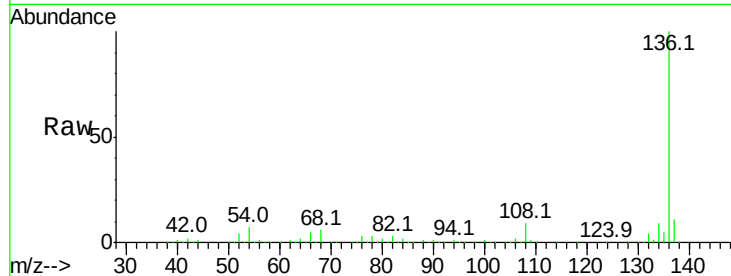
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Instrument :
BNA_F
ClientSampled :
TP-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.9	13.3	
54	7.2	6.6	9.8	
68	5.6	5.0	7.4	

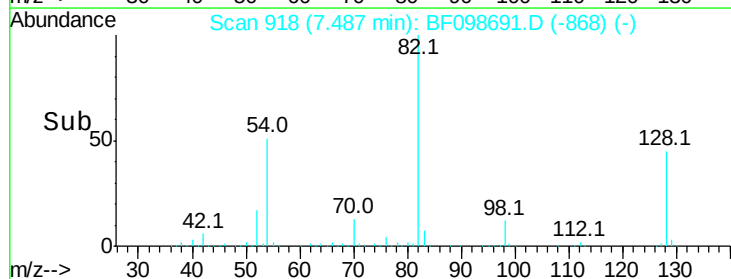
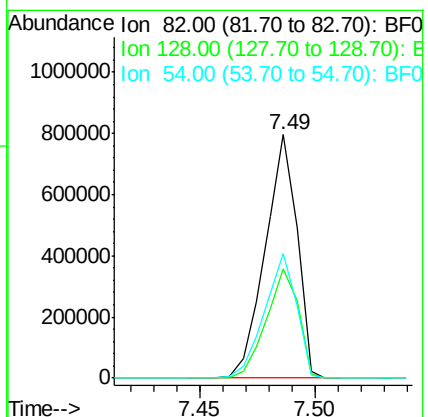
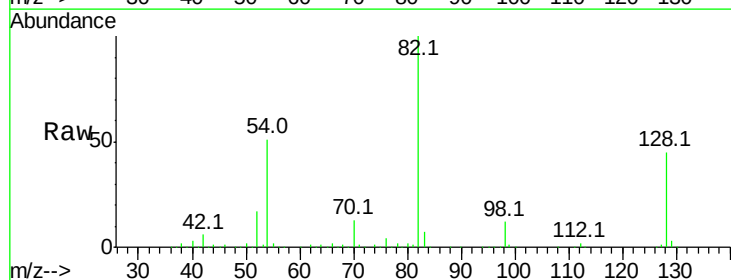
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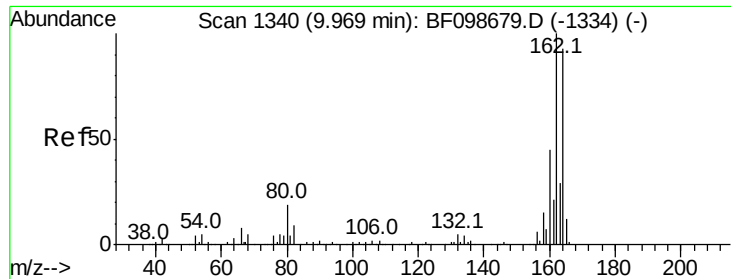
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#23
Nitrobenzene-d5
Concen: 88.472 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.9	36.1	54.1	
54	51.0	41.4	62.2	





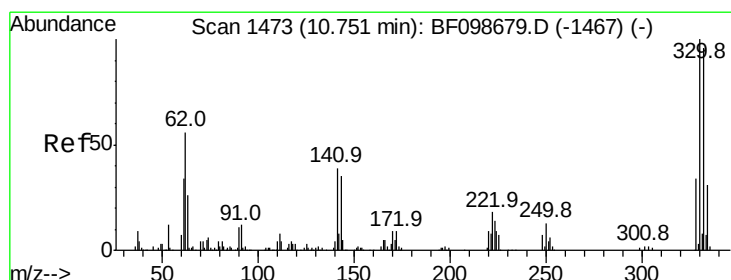
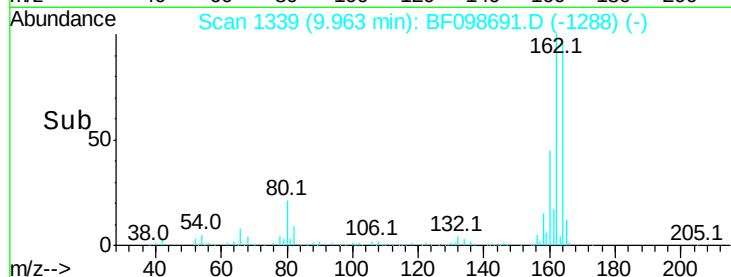
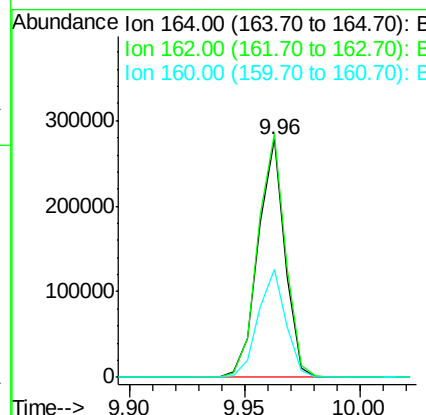
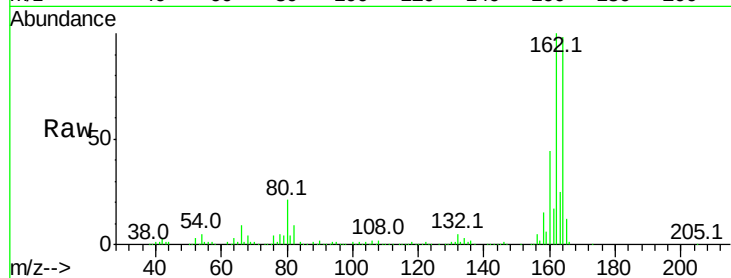
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	225872		
162	102.2	86.1	129.1	
160	45.5	38.3	57.5	

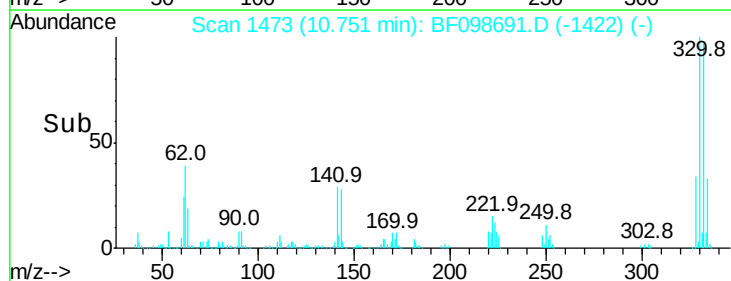
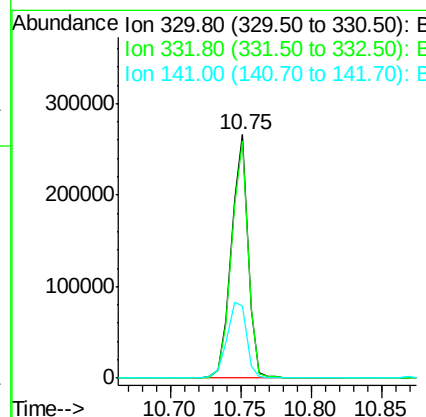
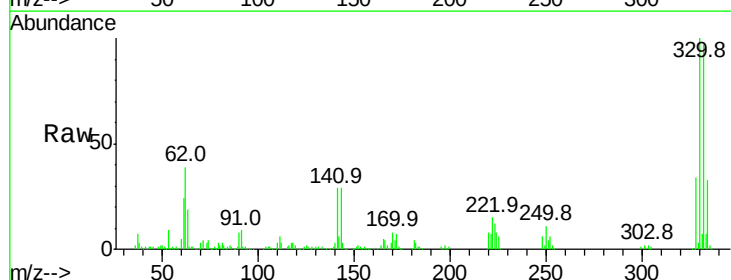
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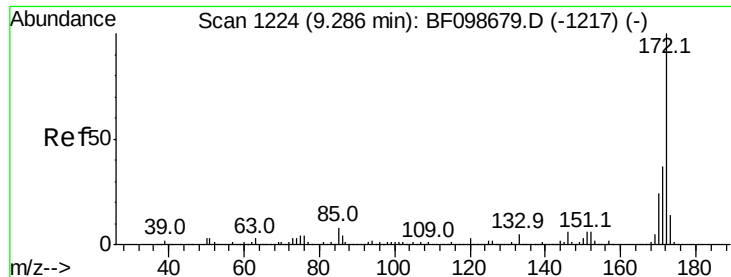
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#41
2,4,6-Tribromophenol
Concen: 106.068 ng
RT: 10.75 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	219098		
332	97.0	77.0	115.6	
141	36.0	29.9	44.9	





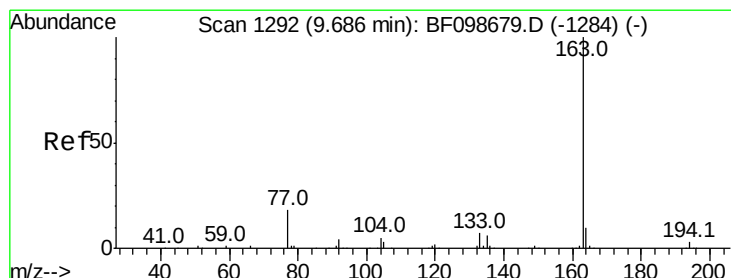
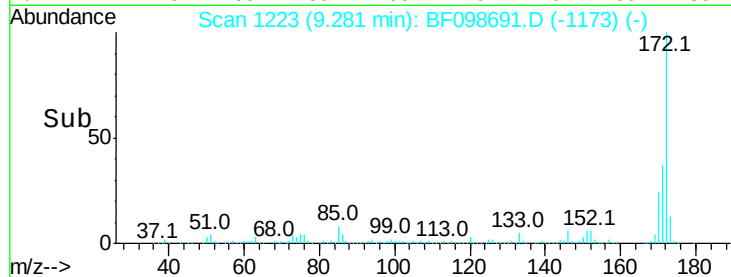
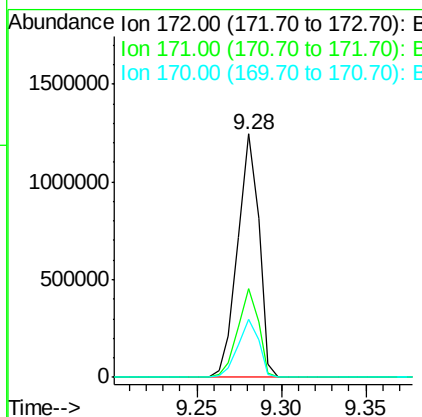
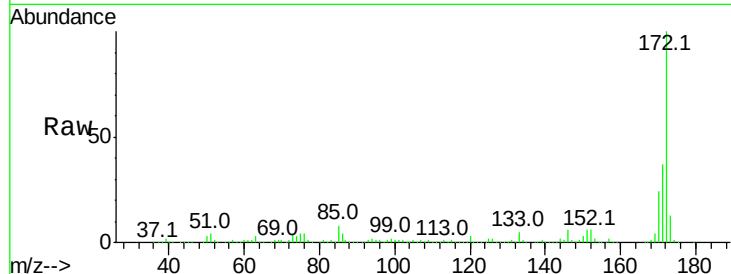
#44
2-Fluorobiphenyl
Concen: 77.077 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.9	19.6	29.4

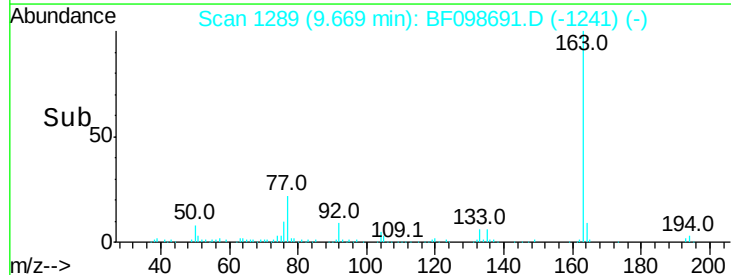
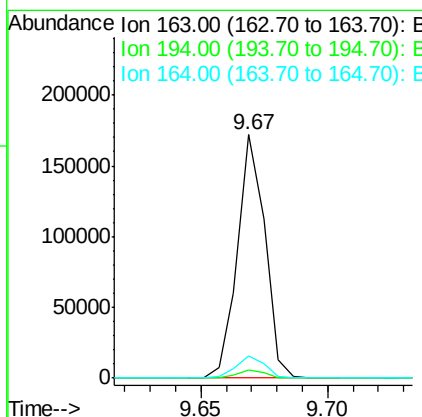
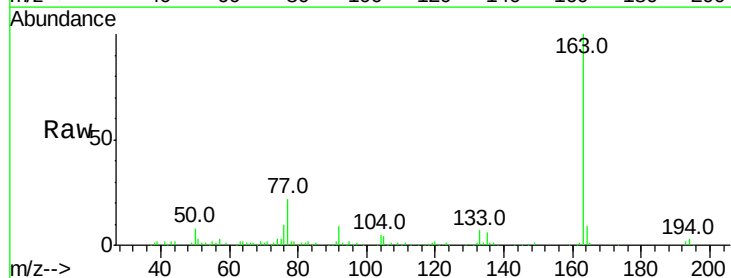
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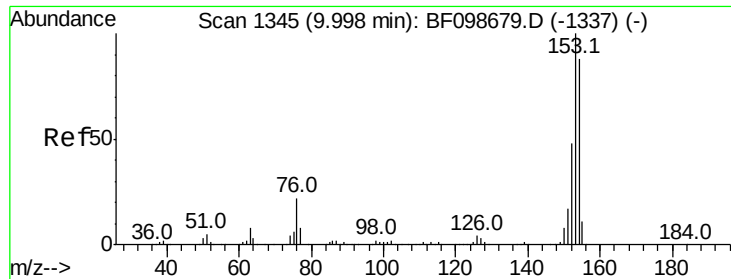
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#49
Dimethylphthalate
Concen: 7.653 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.3	8.2	12.2





#51

Acenaphthene

Concen: 2.118 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF098691.D

Acq: 22 Sep 2017 11:11

Instrument :

BNA_F

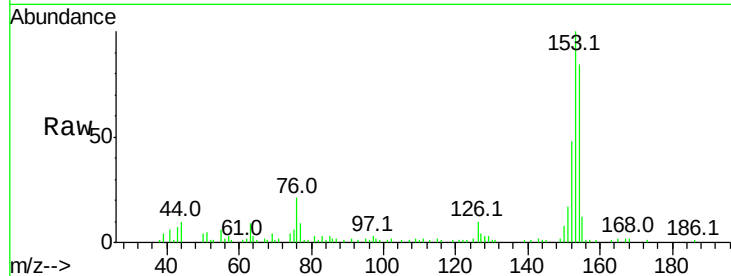
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TP-1-COMP

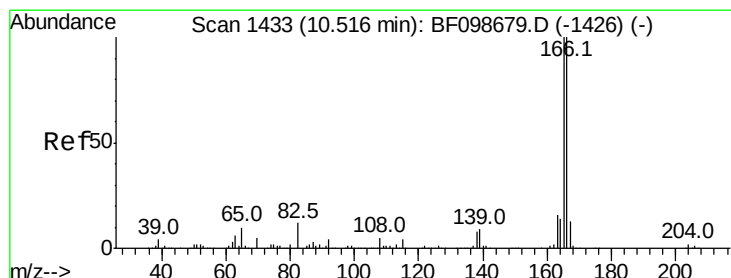
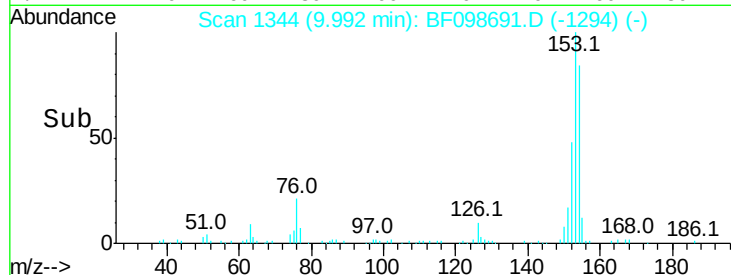
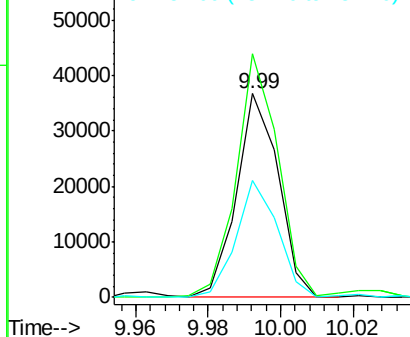
Tot Ion:	154	Resp:	29430
Ion Ratio	Lower	Upper	
154	100		
153	119.6	91.2	136.8
152	57.5	43.8	65.8

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: 2.188 ng

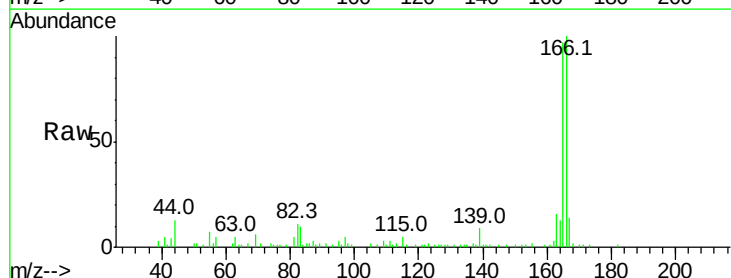
RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

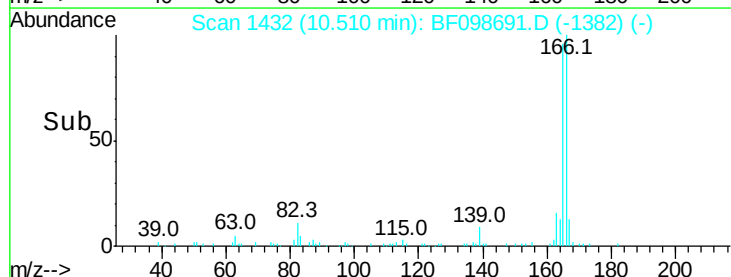
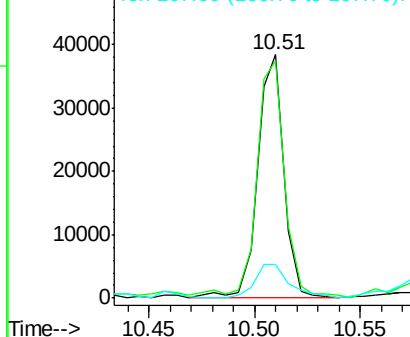
Lab File: BF098691.D

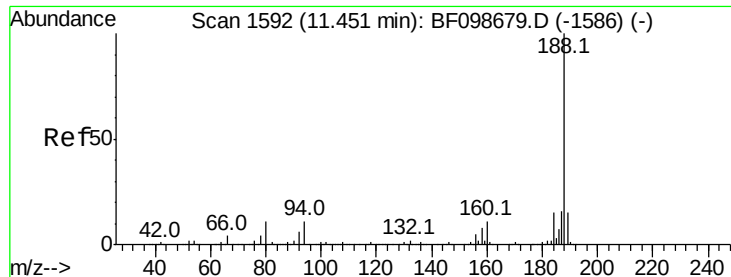
Acq: 22 Sep 2017 11:11

Tgt Ion:	166	Resp:	33358
Ion Ratio	Lower	Upper	
166	100		
165	97.4	79.8	119.8
167	13.8	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





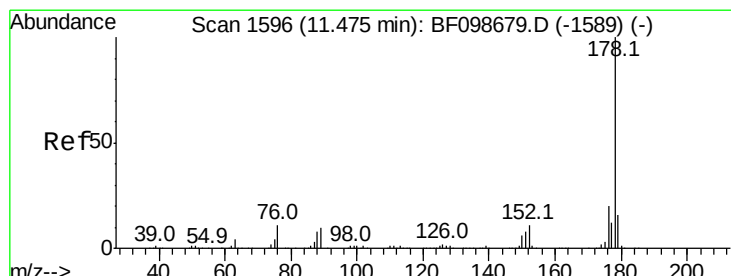
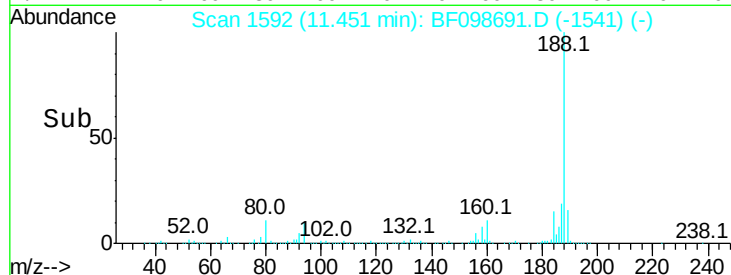
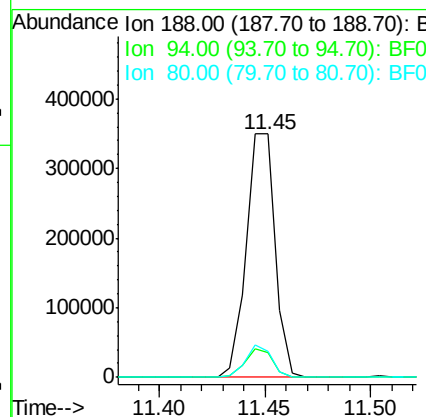
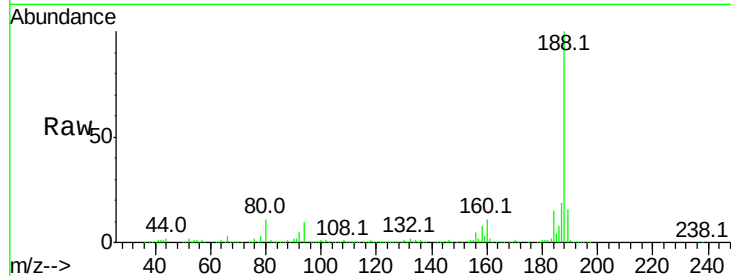
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.8	9.2	13.8

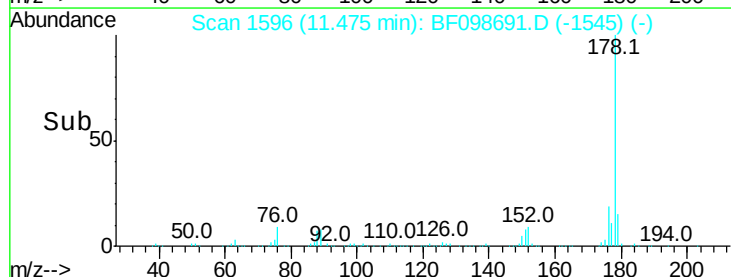
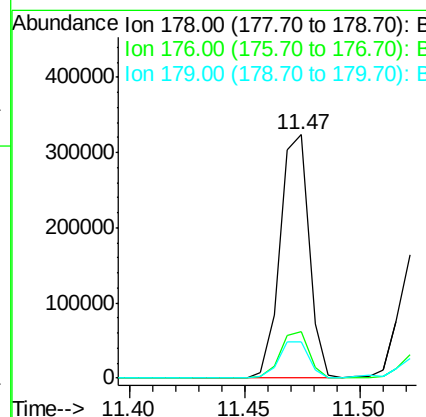
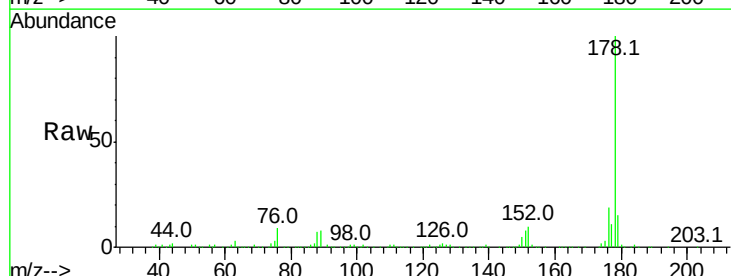
Manual Integrations
APPROVED

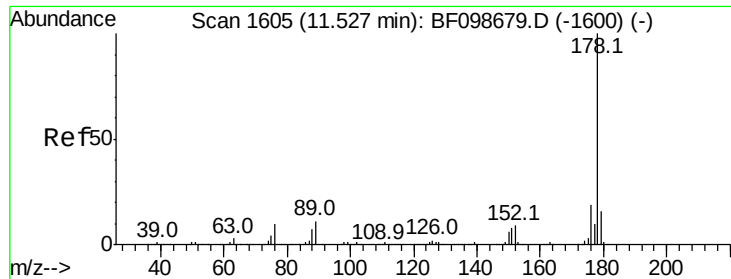
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#70
Phenanthrene
Concen: 15.718 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.7	13.0	19.6





#71

Anthracene

Concen: 6.914 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF098691.D

Acq: 22 Sep 2017 11:11

Instrument :

BNA_F

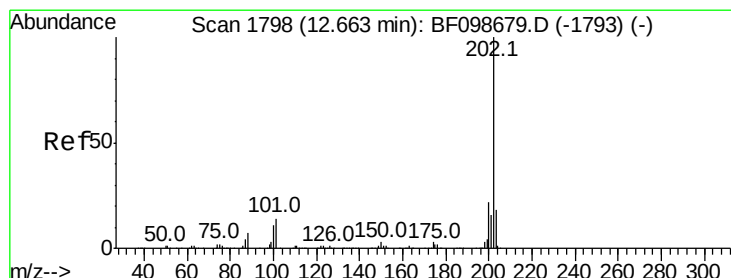
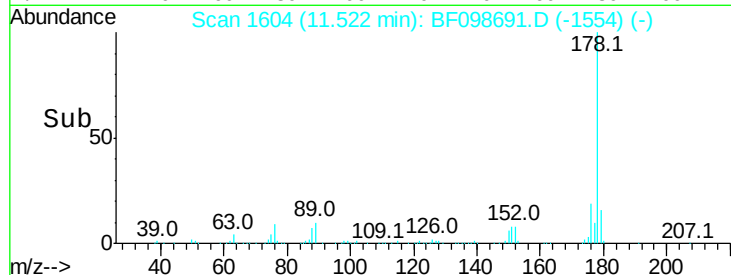
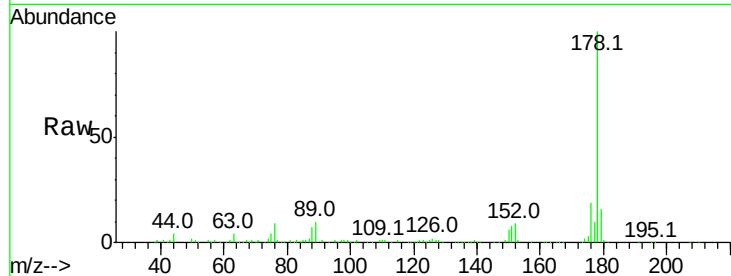
ClientSampleId :

TP-1-COMP

Tot Ion:	178	Resp:	126133
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.2
179	16.4	12.6	19.0

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#74

Fluoranthene

Concen: 30.647 ng

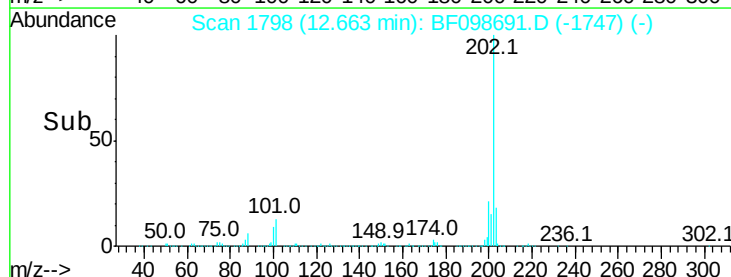
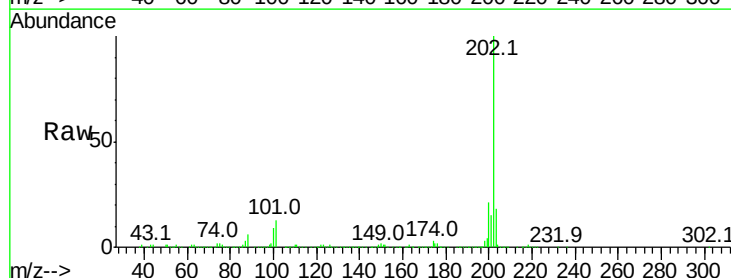
RT: 12.66 min Scan# 1798

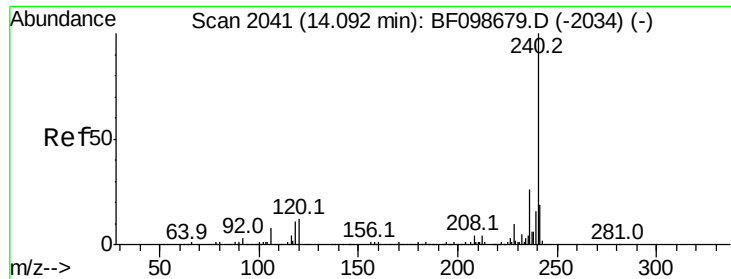
Delta R.T. 0.00 min

Lab File: BF098691.D

Acq: 22 Sep 2017 11:11

Tgt Ion:	202	Resp:	546489
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	17.6	0.0	38.1





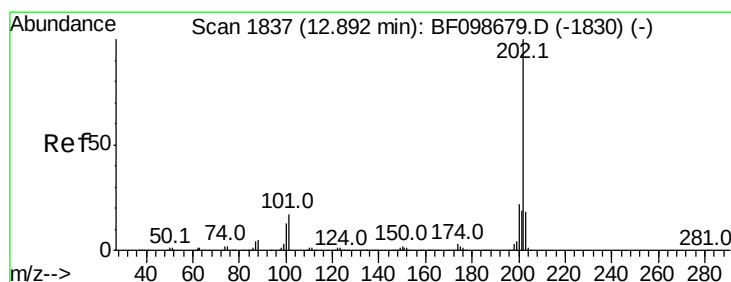
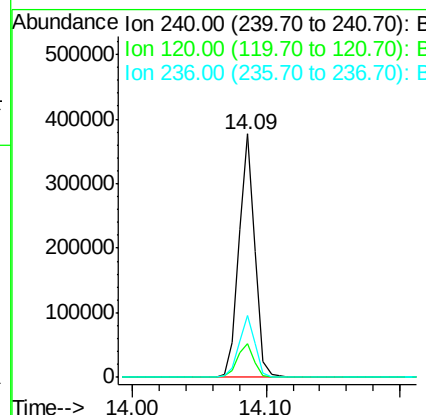
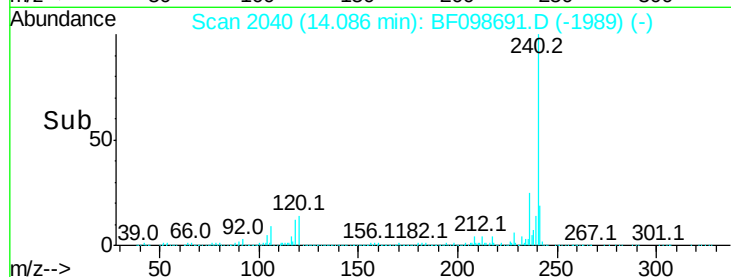
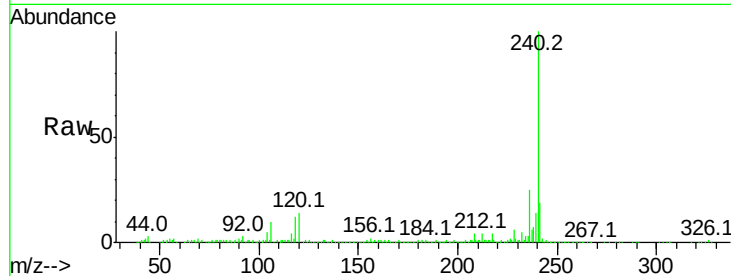
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100	317889		
120	13.8	9.5	14.3	
236	25.4	20.7	31.1	

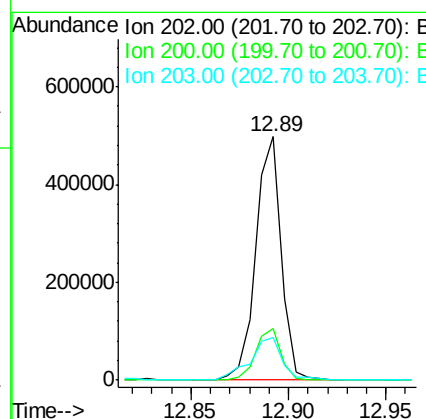
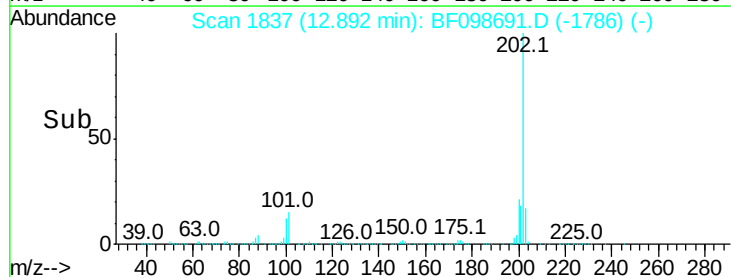
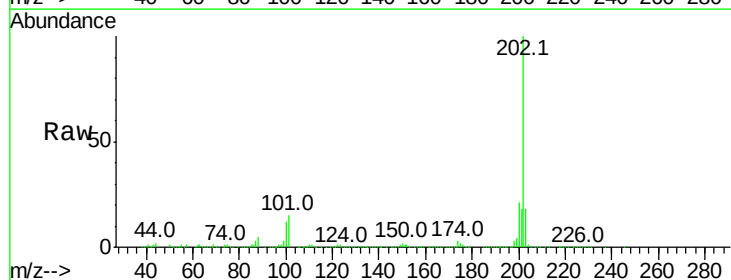
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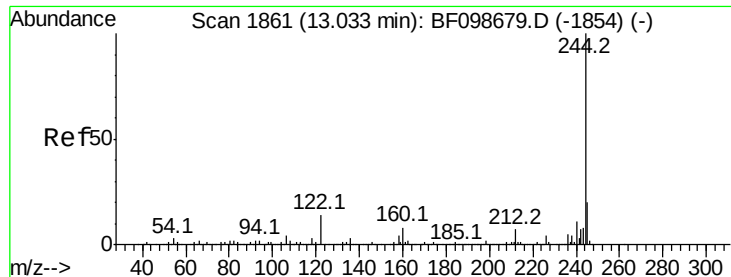
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#77
Pyrene
Concen: 18.914 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	446370		
200	21.2	17.4	26.2	
203	17.7	14.3	21.5	





#78

Terphenyl-d14

Concen: 53.667 ng

RT: 13.03 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BF098691.D

Acq: 22 Sep 2017 11:11

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP

Tot Ion:244 Resp: 794515

Ion Ratio Lower Upper

244 100

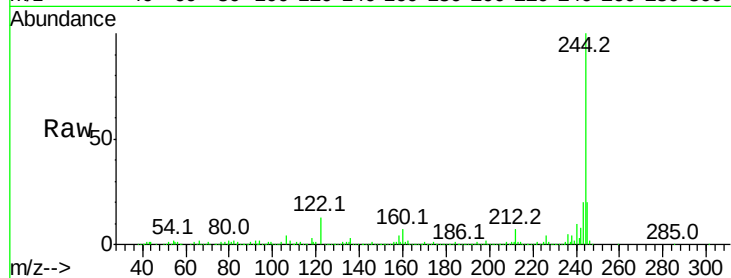
212 6.9 5.4 8.0

122 13.5 11.0 16.4

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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

1200000

1000000

800000

600000

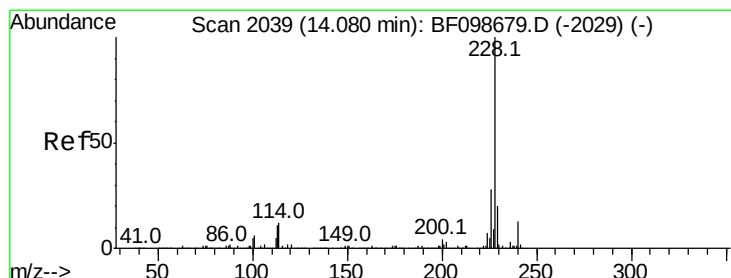
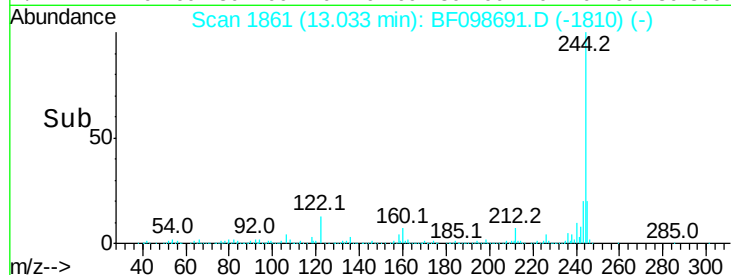
400000

200000

0

13.03

Time-->



#80

Benzo(a)anthracene

Concen: 7.076 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BF098691.D

Acq: 22 Sep 2017 11:11

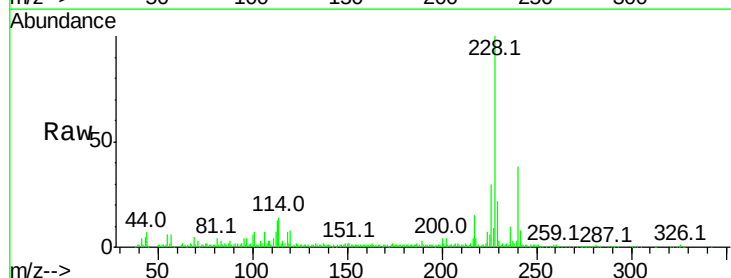
Tgt Ion:228 Resp: 135499

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

229 21.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

150000

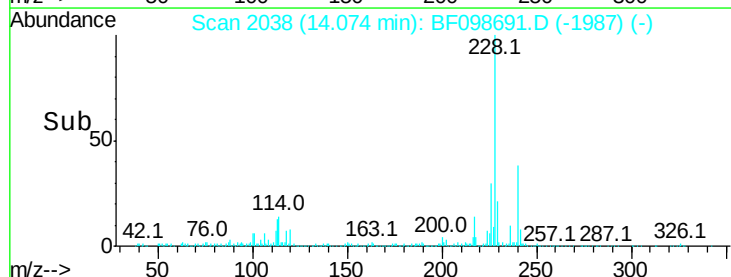
100000

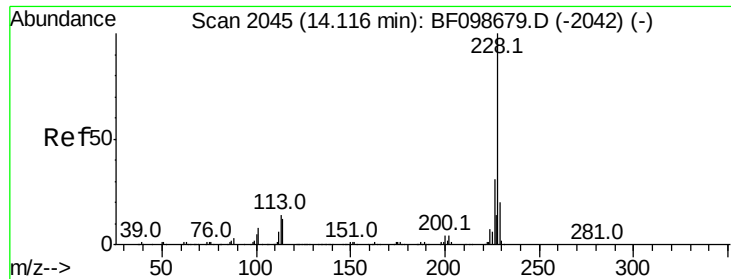
50000

0

14.07

Time-->





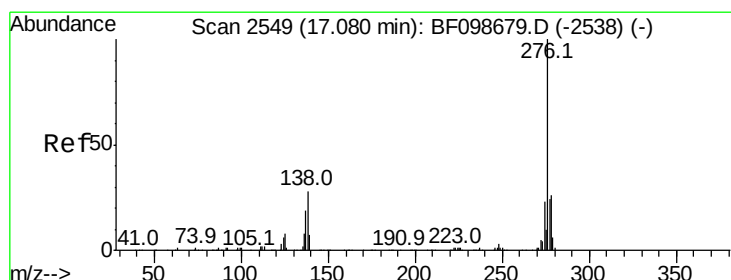
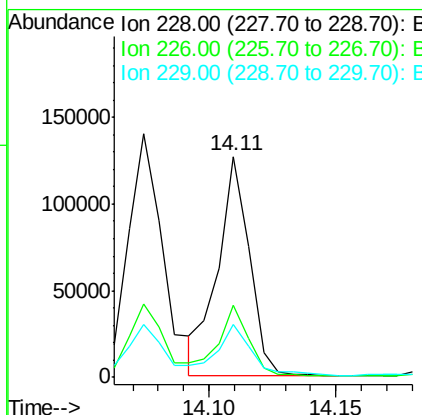
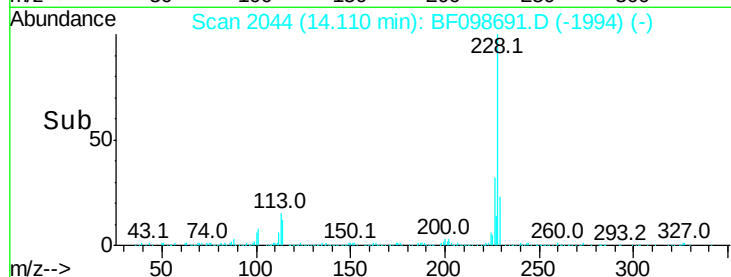
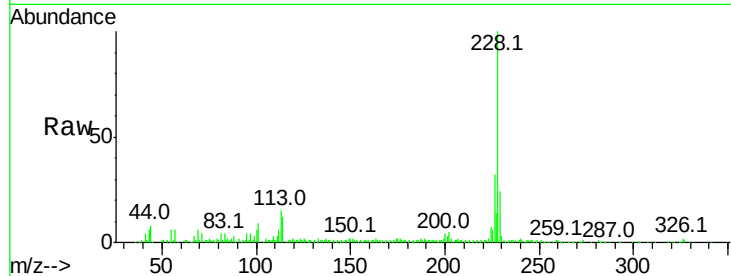
#82
Chrysene
Concen: 5.978 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion:228	Resp:	110540
Ion Ratio	Lower	Upper
228 100		
226 32.4	25.0	37.6
229 23.8	16.2	24.4

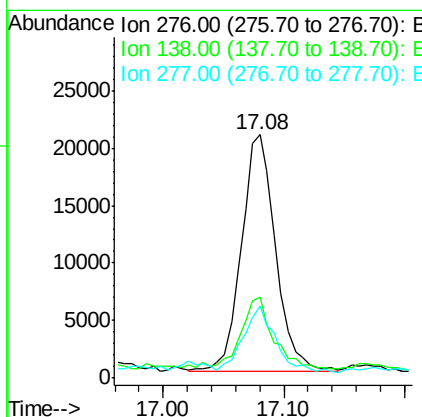
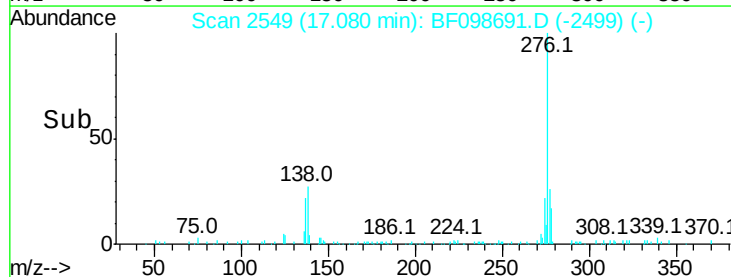
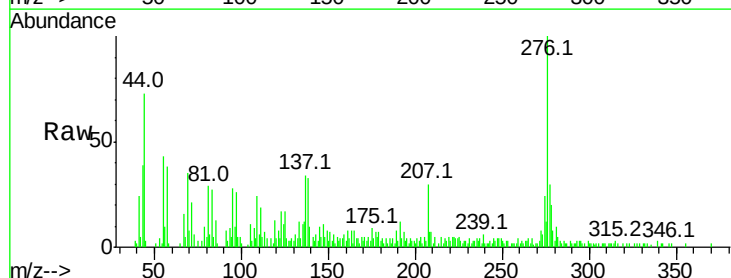
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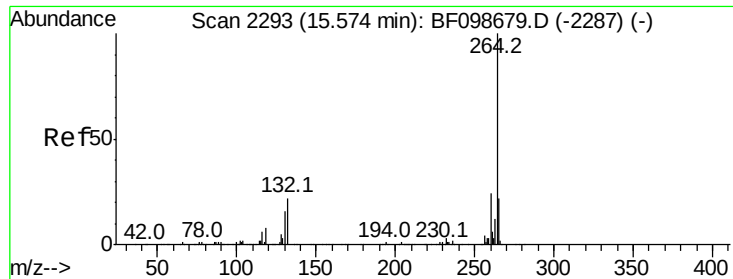
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.832 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tgt Ion:276	Resp:	40627
Ion Ratio	Lower	Upper
276 100		
138 29.3	25.0	37.6
277 26.1	20.1	30.1





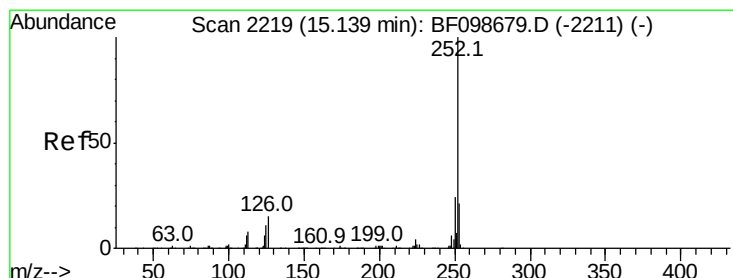
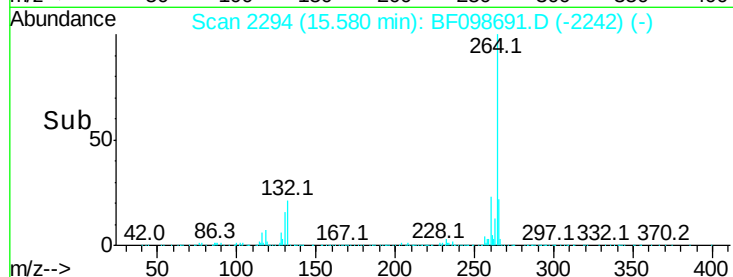
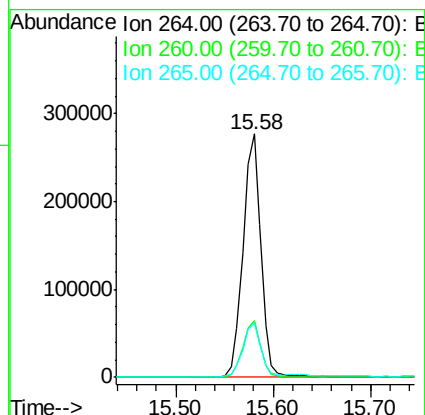
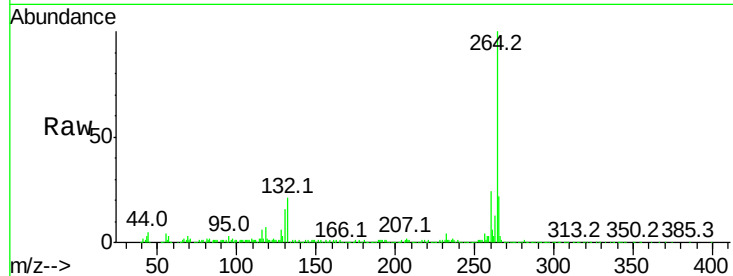
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.5	19.2	28.8	
265	22.0	17.5	26.3	

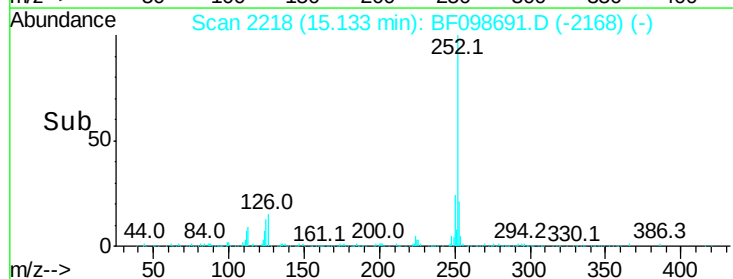
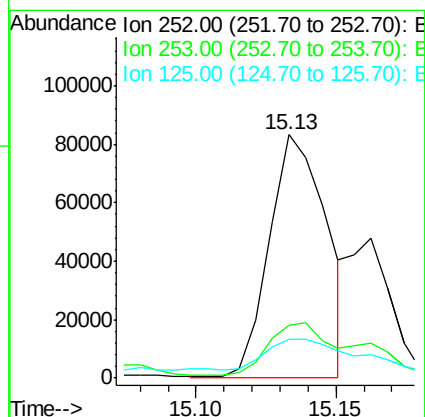
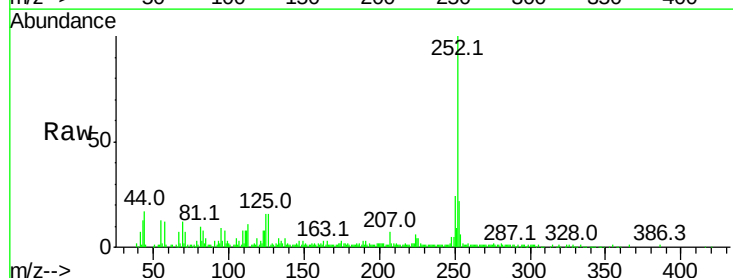
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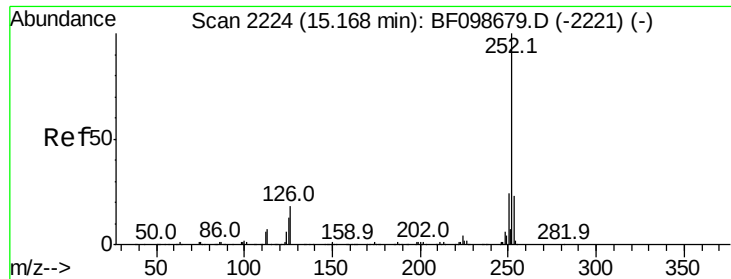
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#87
Benzo(b)fluoranthene
Concen: 5.842 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.9	17.0	25.6	
125	16.0	9.0	13.6	





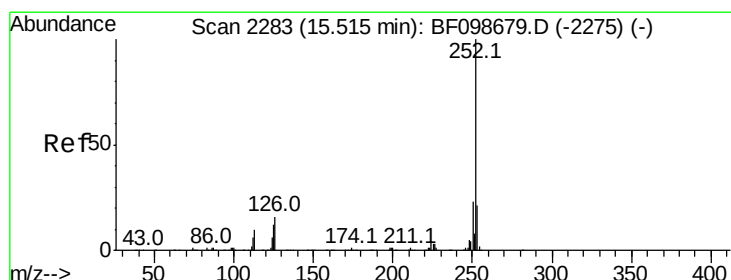
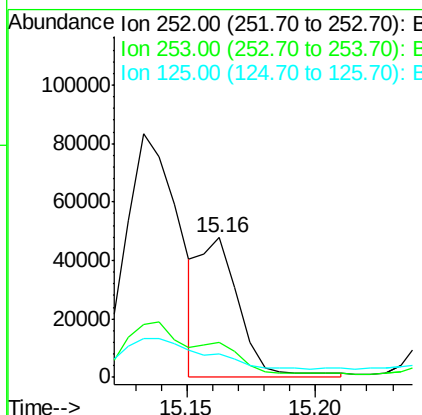
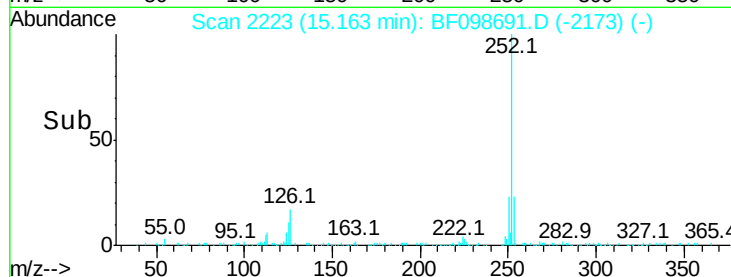
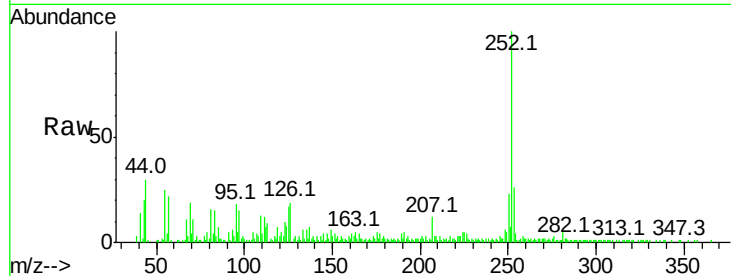
#88
Benzo(k)fluoranthene
Concen: 2.484 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	17.0	10.2	15.2

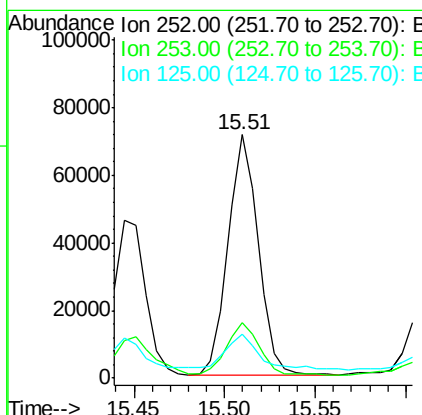
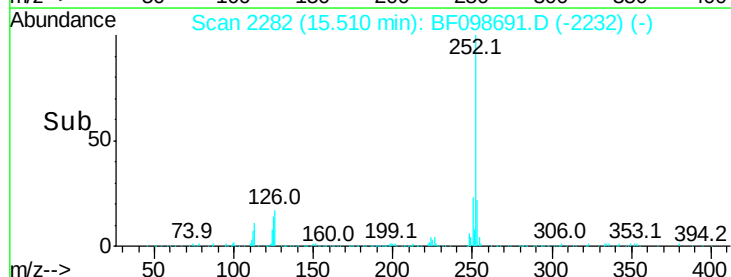
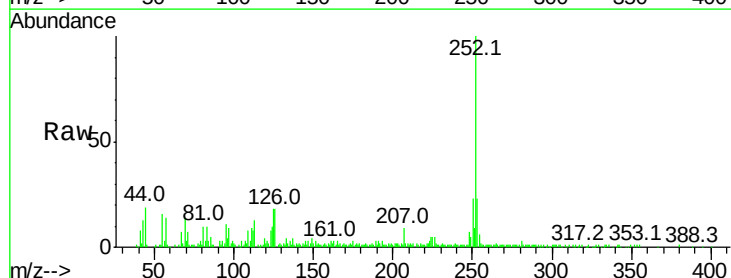
Manual Integrations
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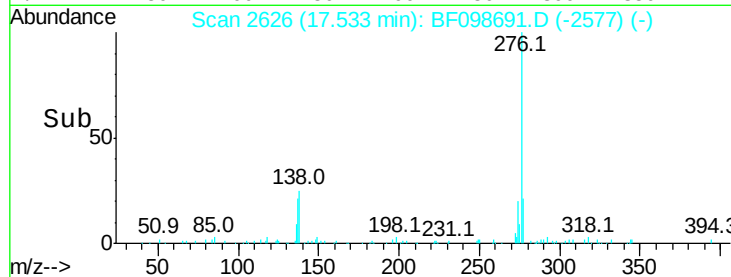
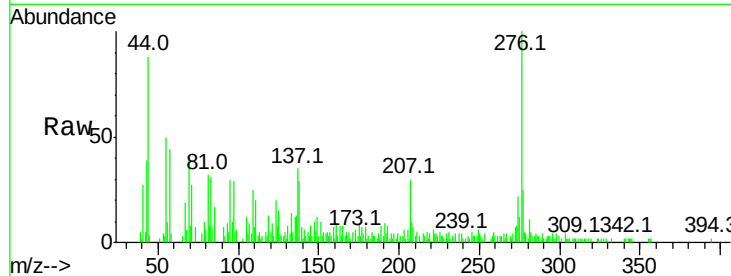
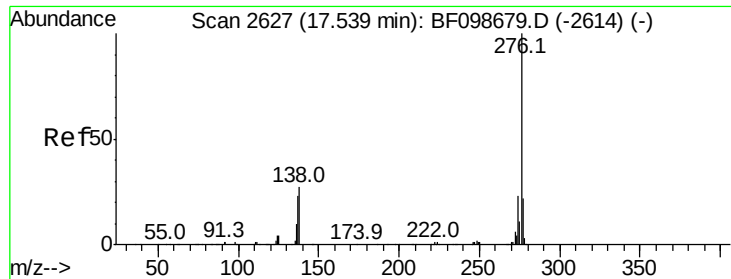
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#89
Benzo(a)pyrene
Concen: 4.511 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	17.8	9.8	14.6





#91
Benzo(a,h,i)perylene
Concen: 2.388 ng
RT: 17.53 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF098691.D
Acq: 22 Sep 2017 11:11

Tot Ion	Ratio	Resp	Lower	Upper
276	100	37473		
277	24.6		17.9	26.9
138	29.4		21.8	32.8

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Manual Integrations
APPROVED

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