

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099650.D
 Acq On : 19 Oct 2017 7:21
 Operator : SJ/JU
 Sample : I5929-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-2-COMP

Manual Integrations
 APPROVED

Sohil
 10/19/2017 6:15:49 PM

Quant Time: Oct 19 17:29:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	92791	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	339201	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	120830	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	193193	20.00	ng	0.00
75) Chrysene-d12	13.99	240	200336	20.00	ng	0.00
86) Perylene-d12	15.46	264	155397	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	739452	126.86	ng	0.02
7) Phenol-d6	6.47	99	785059	109.18	ng	0.00
23) Nitrobenzene-d5	7.40	82	509248	96.28	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	134825	136.36	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	865604	119.59	ng	0.00
78) Terphenyl-d14	12.93	244	688627	78.17	ng	0.00
Target Compounds						
31) Naphthalene	8.13	128	1397277	87.708	ng	99
37) 2-Methylnaphthalene	8.82	142	89766	8.668	ng	97
51) Acenaphthene	9.89	154	27261	3.606	ng	96
54) Dibenzofuran	10.07	168	44837	4.454	ng	96
57) Fluorene	10.41	166	24270	2.999	ng	99
70) Phenanthrene	11.37	178	32585	3.151	ng	97
72) Carbazole	11.59	167	23236	2.243	ng	99

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

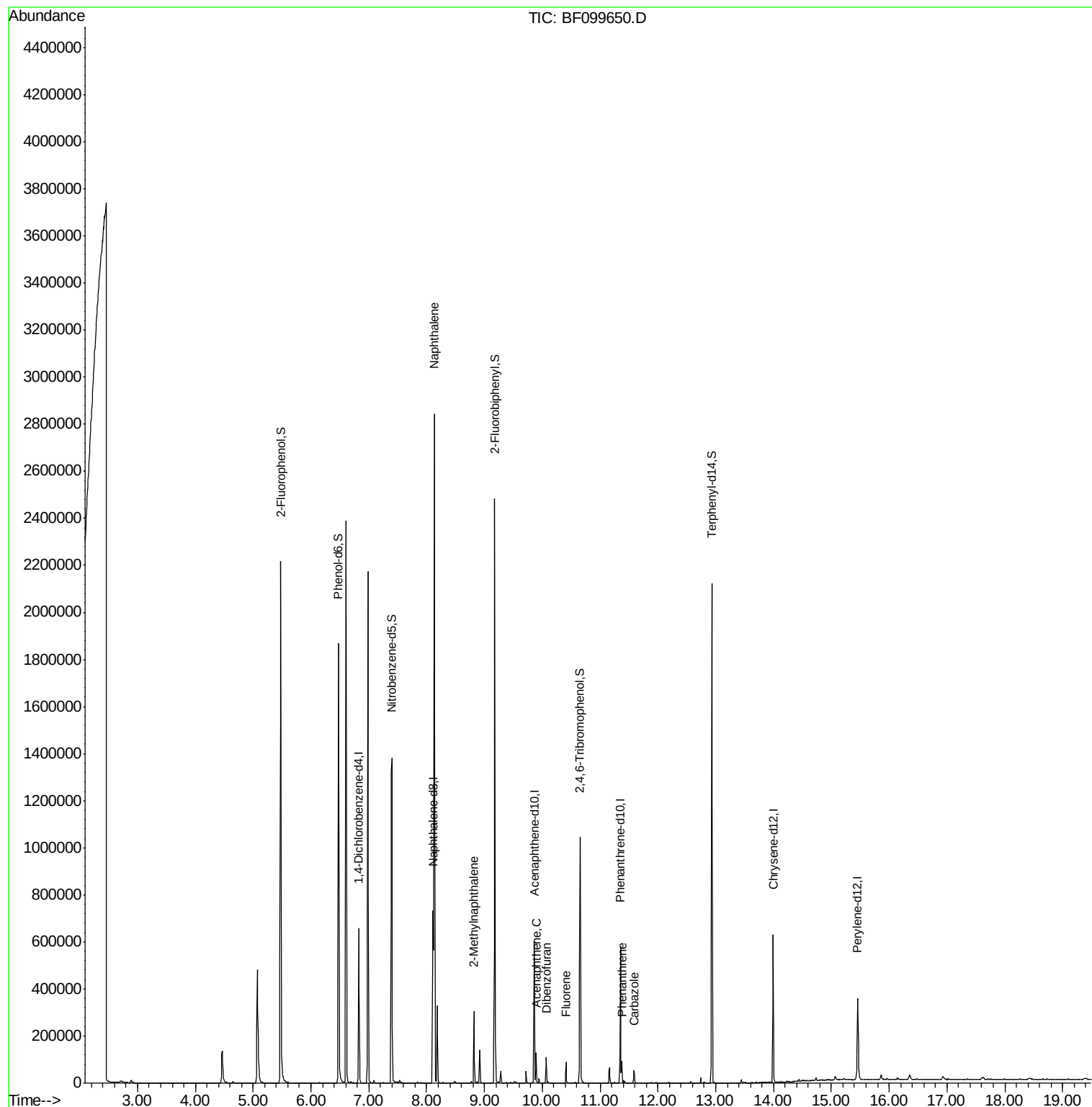
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099650.D
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Sample : I5929-12
Misc :
ALS Vial : 31 Sample Multiplier: 1

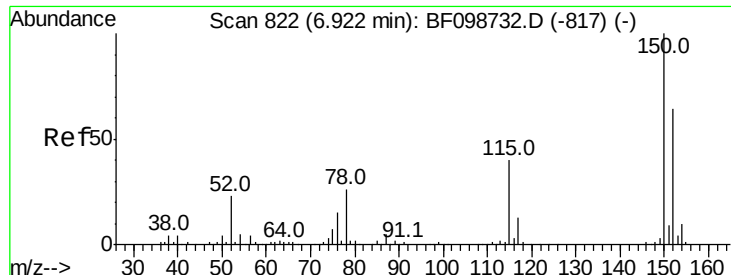
Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

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Quant Time: Oct 19 17:29:16 2017
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#1

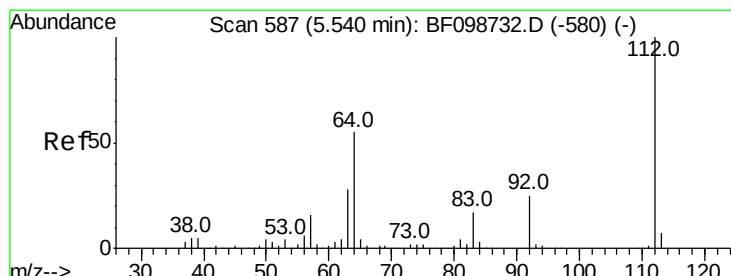
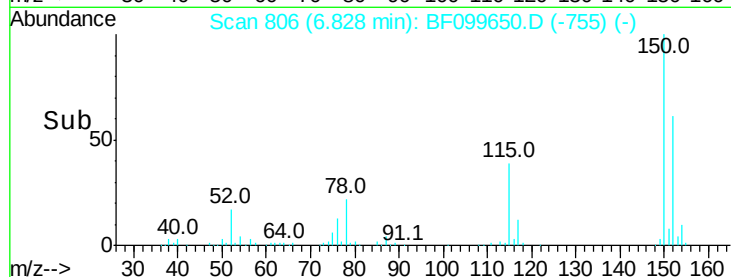
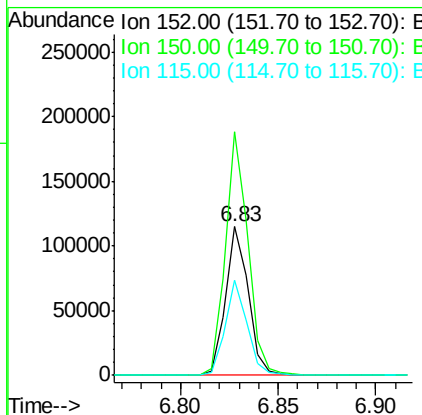
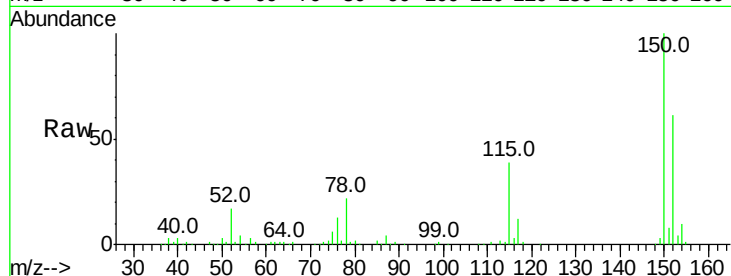
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.0	124.6	186.8
115	64.1	50.1	75.1

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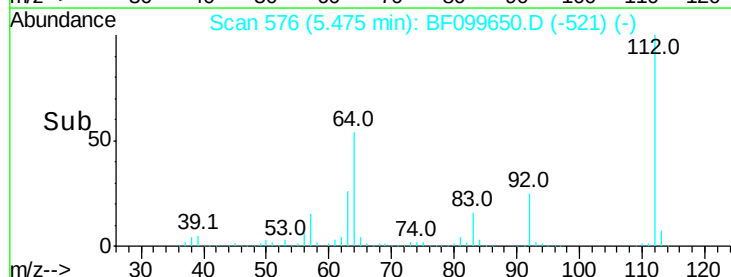
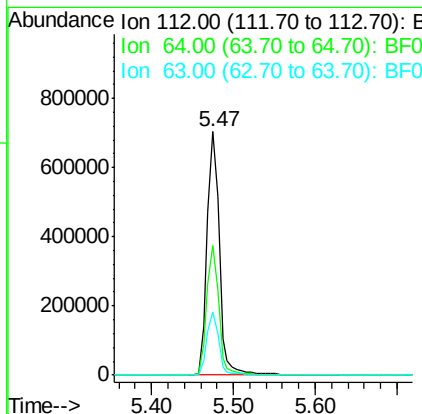
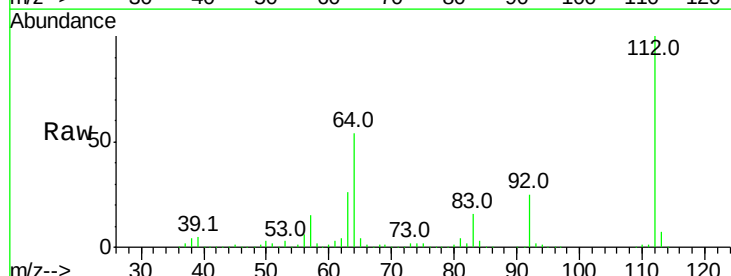
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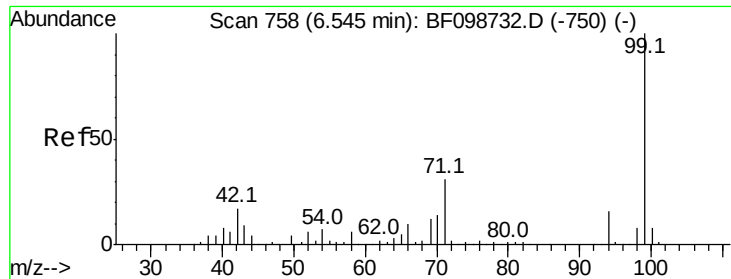


#5

2-Fluorophenol
Concen: 126.859 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	47.9	71.9
63	26.1	23.7	35.5





#7

Phenol-d6

Concen: 109.178 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

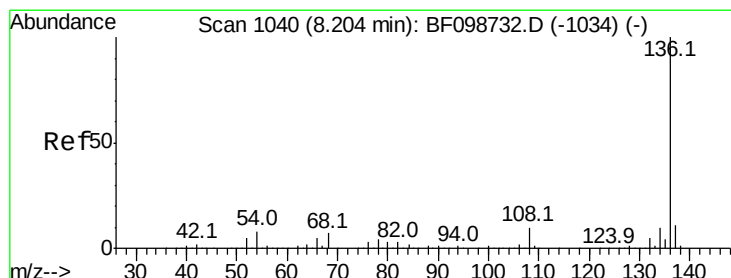
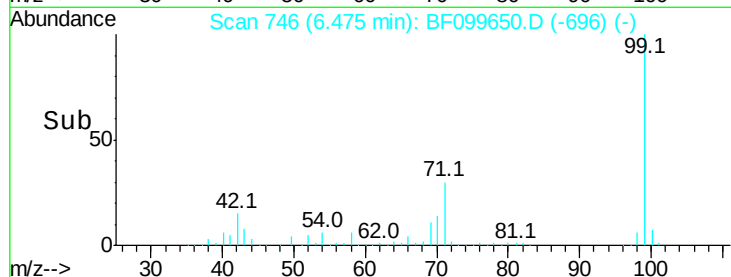
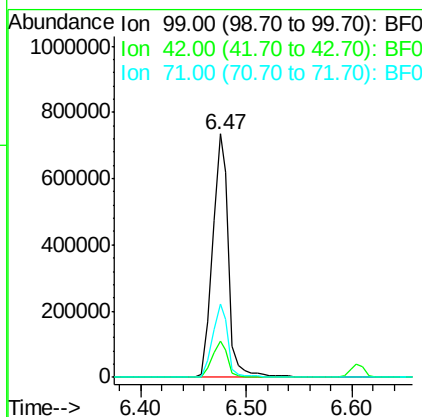
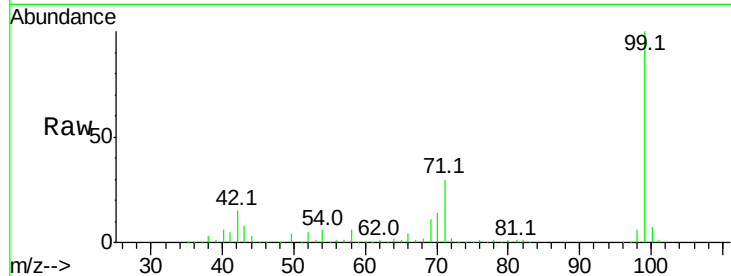
ClientSampleId :

TP-1-2-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		785059		
42	14.7	14.5	21.7		
71	30.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

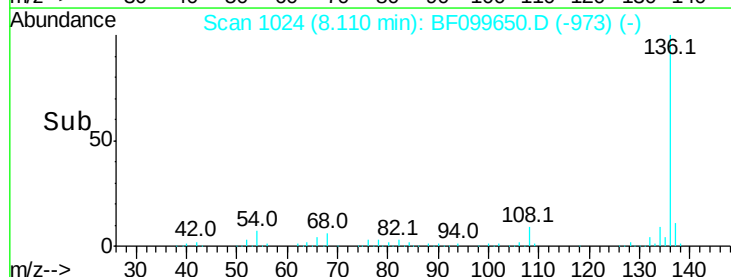
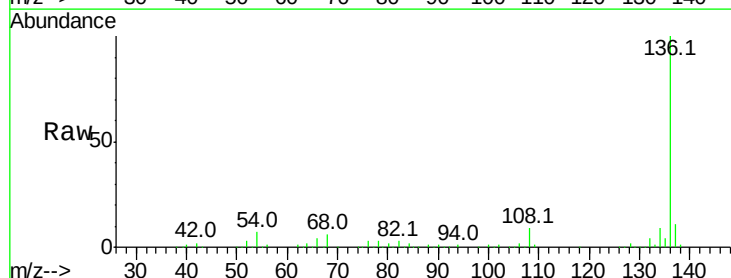
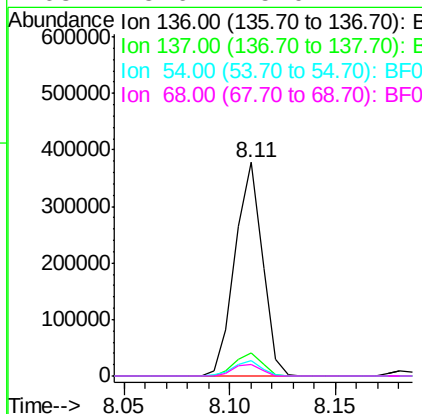
RT: 8.11 min Scan# 1024

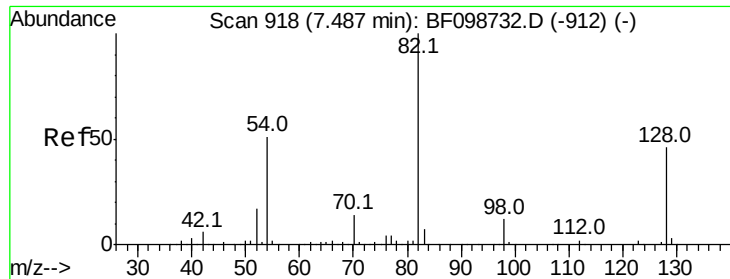
Delta R.T. 0.00 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		339201		
137	11.1	8.9	13.3		
54	7.0	6.6	9.8		
68	5.6	5.0	7.4		





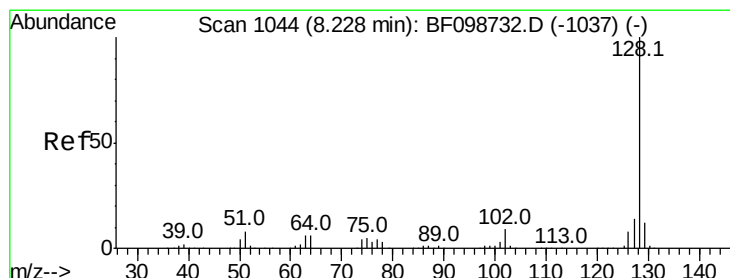
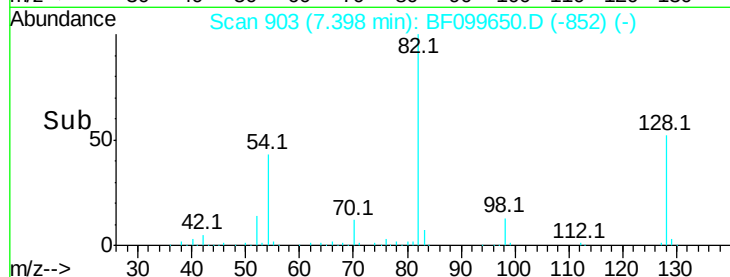
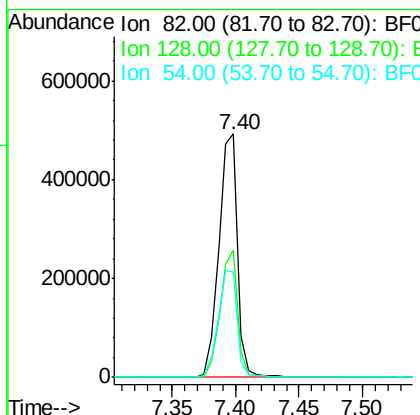
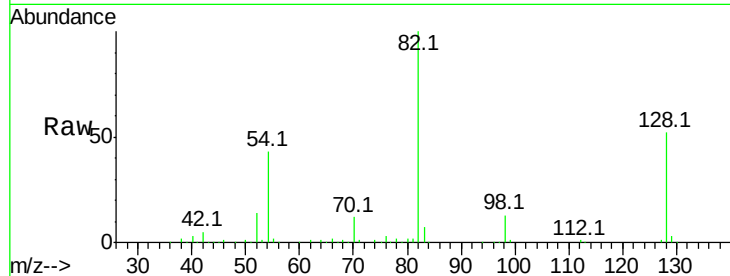
#23
Nitrobenzene-d5
Concen: 96.280 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.4	36.1	54.1
54	43.5	41.4	62.2

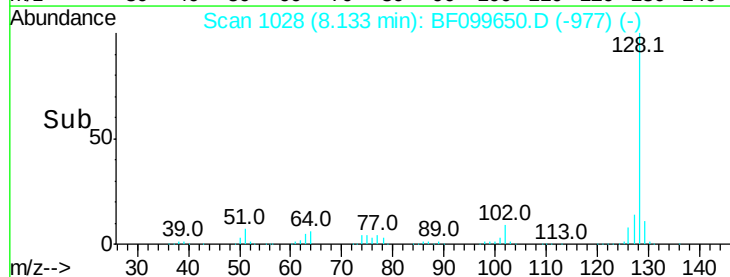
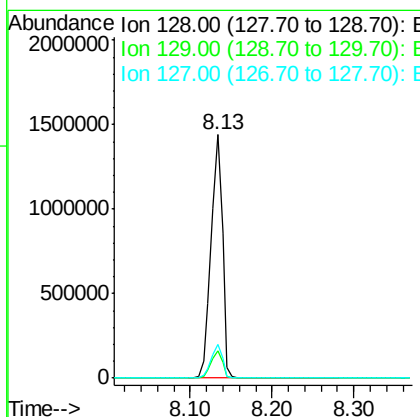
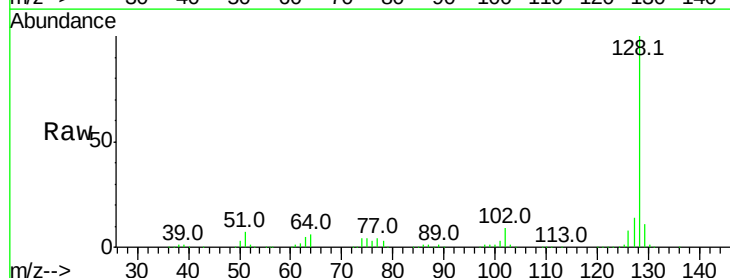
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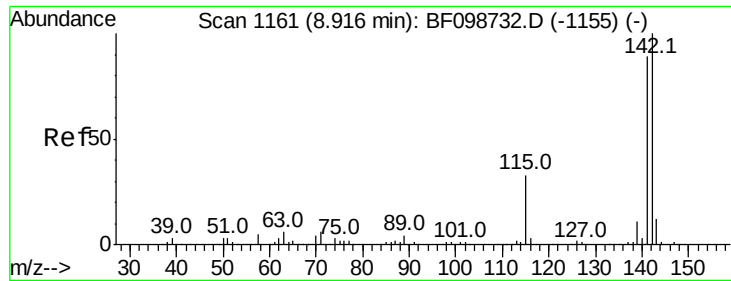
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#31
Naphthalene
Concen: 87.708 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.8	10.9	16.3





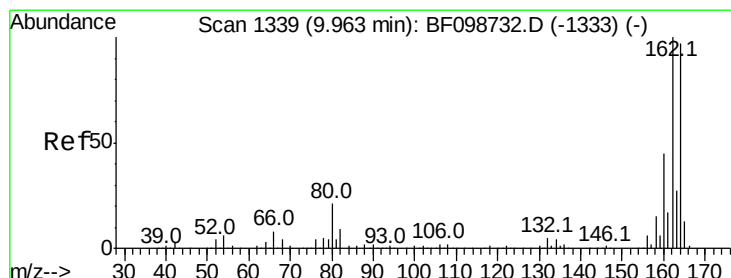
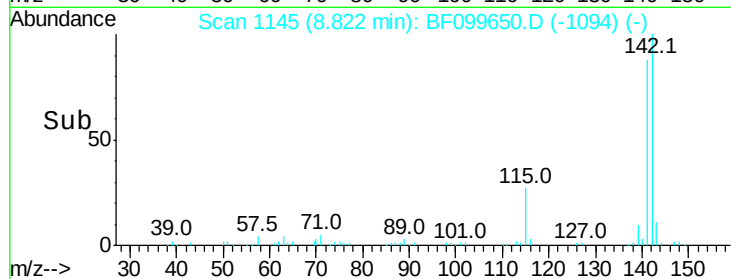
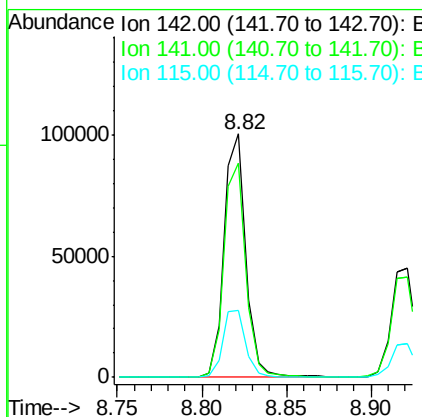
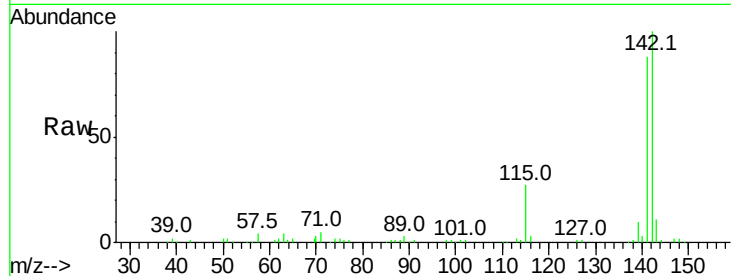
#37
2-Methylnaphthalene
Concen: 8.668 ng
RT: 8.82 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Instrument :
BNA_F
ClientSampled :
TP-1-2-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2
115	27.3	26.1	39.1

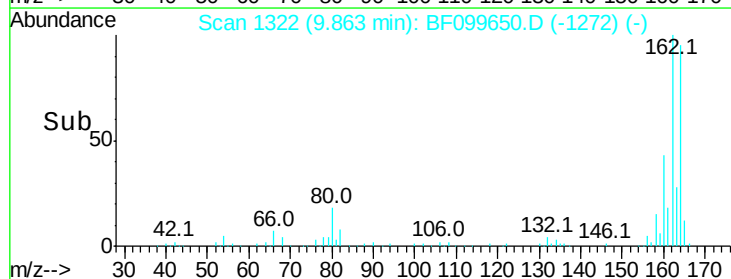
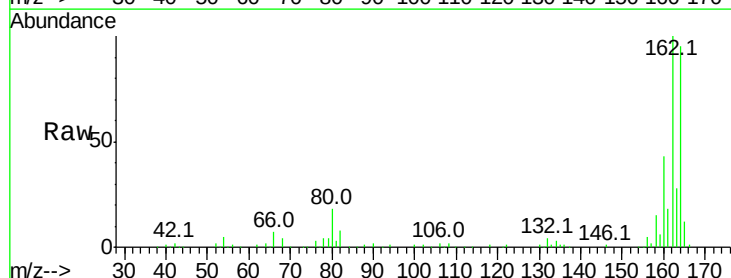
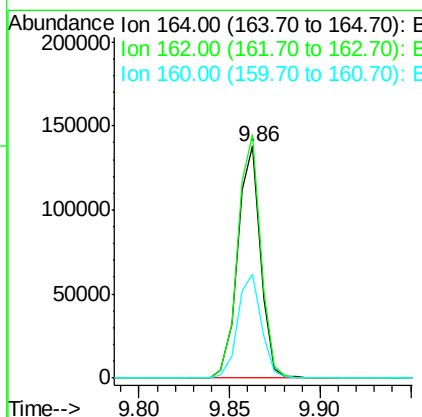
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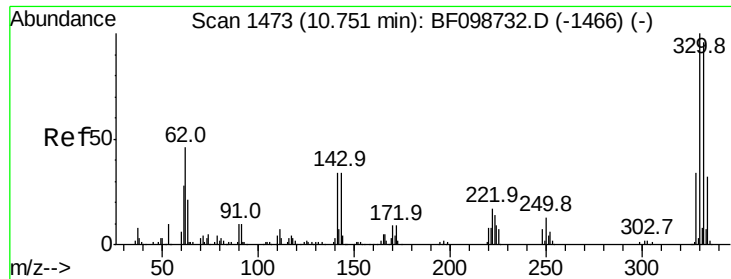
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	44.9	38.3	57.5





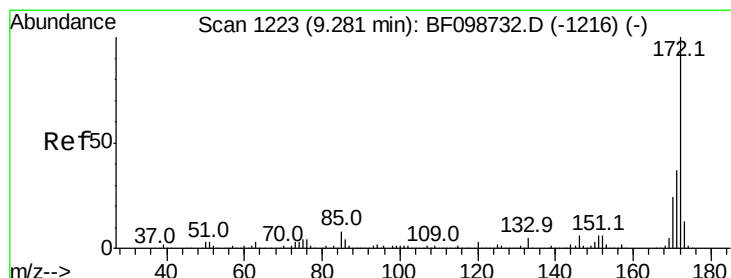
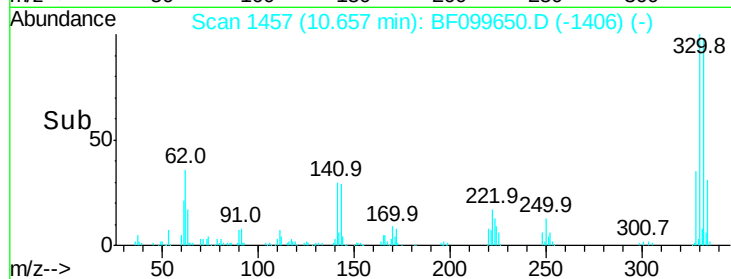
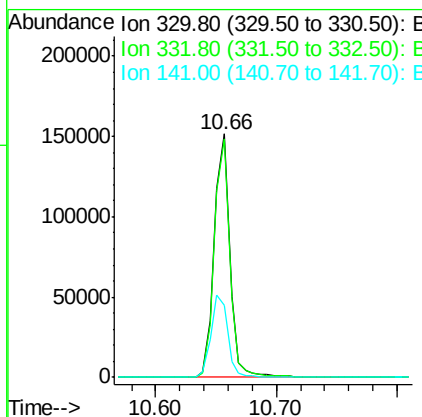
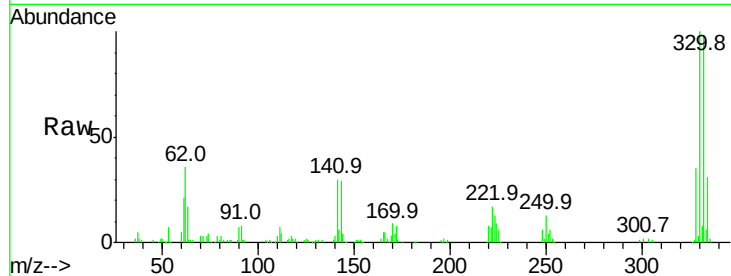
#41
 2,4,6-Tribromophenol
 Concen: 136.364 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	77.0	115.6	
141	36.8	29.9	44.9	

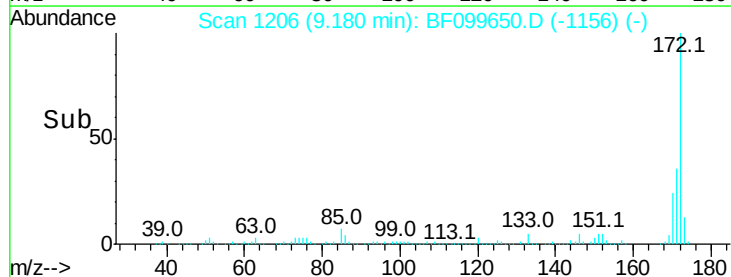
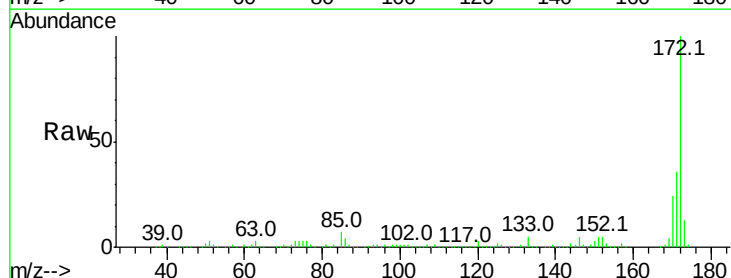
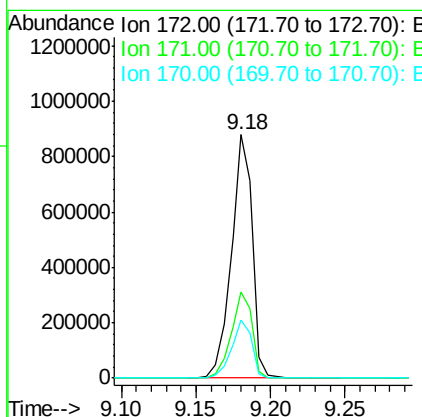
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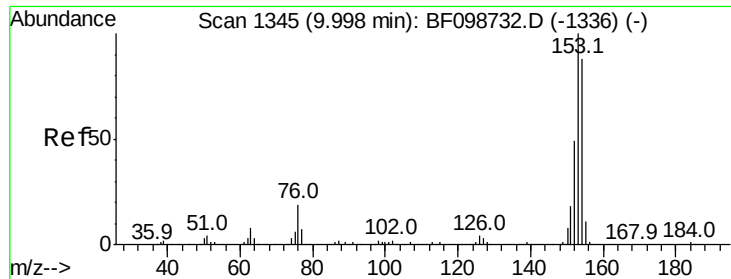
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#44
 2-Fluorobiphenyl
 Concen: 119.594 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	23.7	19.6	29.4	





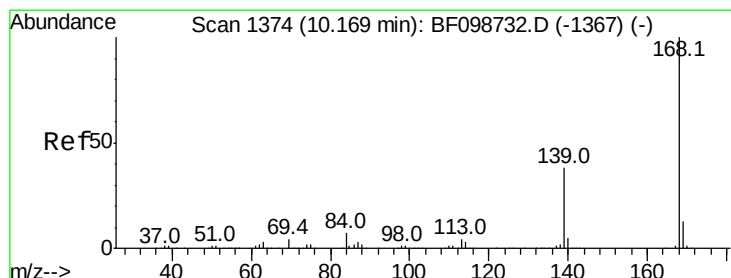
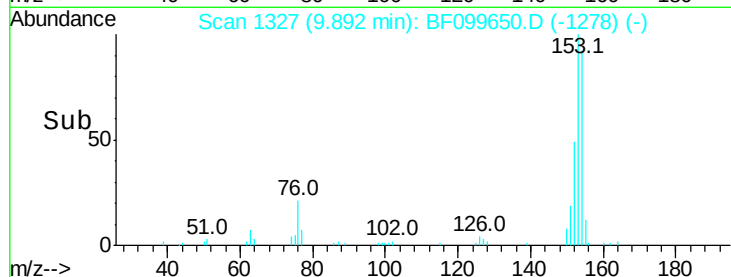
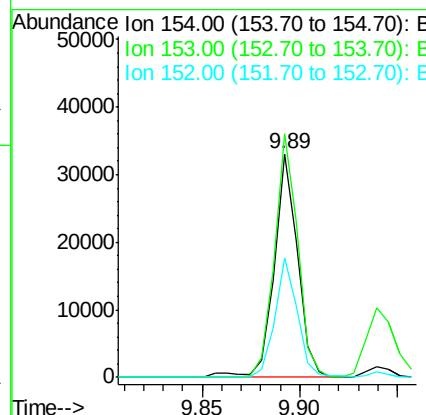
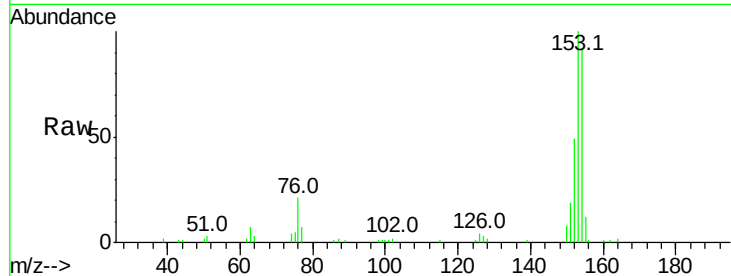
#51
Acenaphthene
Concen: 3.606 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

Tot Ion:	154	Resp:	27261
Ion Ratio	Lower	Upper	
154	100		
153	109.0	91.2	136.8
152	53.4	43.8	65.8

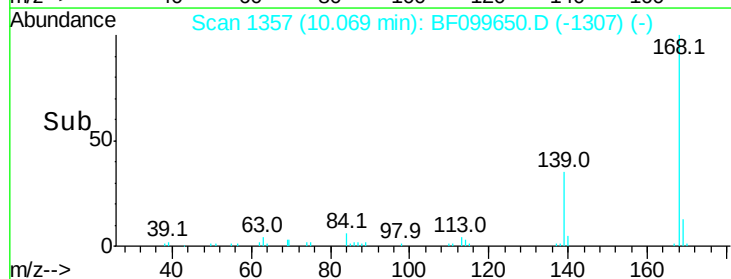
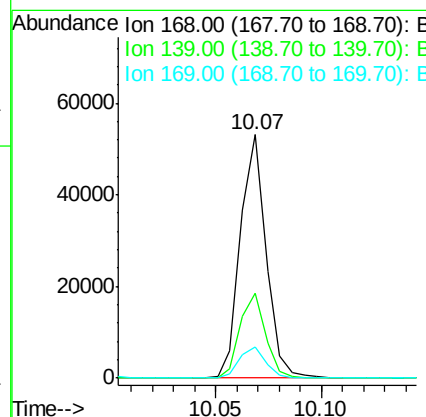
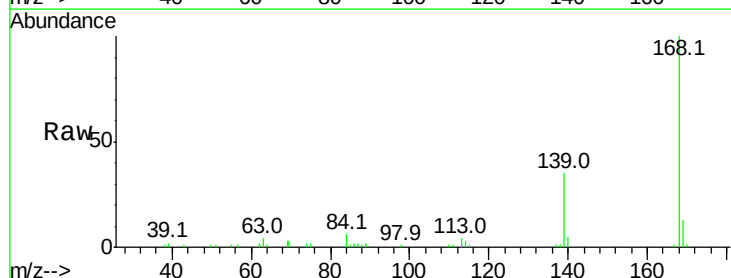
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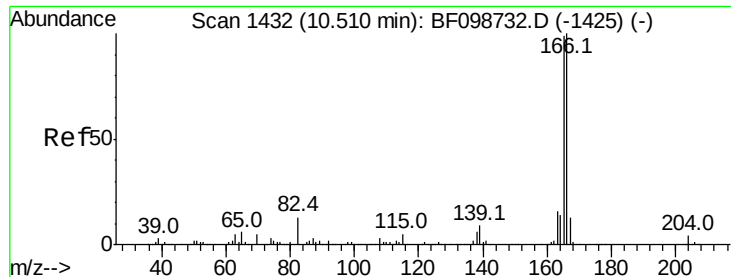
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#54
Dibenzofuran
Concen: 4.454 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion:	168	Resp:	44837
Ion Ratio	Lower	Upper	
168	100		
139	34.9	30.1	45.1
169	12.7	10.9	16.3





#57

Fluorene

Concen: 2.999 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

TP-1-2-COMP

Tot Ion:166 Resp: 24270

Ion Ratio Lower Upper

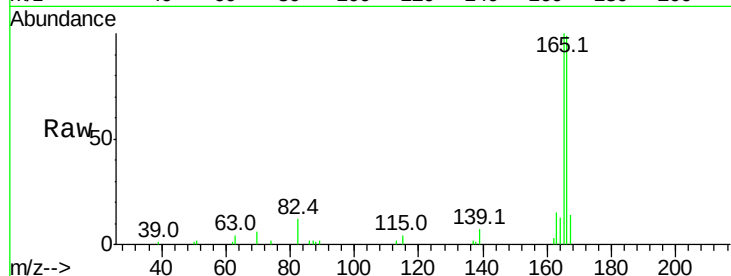
166 100

165 101.1 79.8 119.8

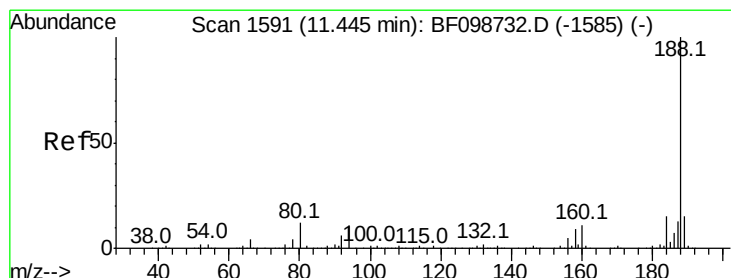
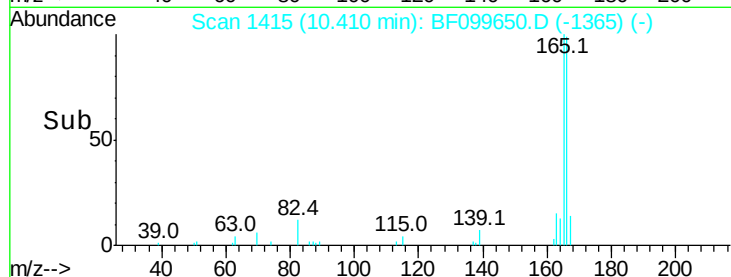
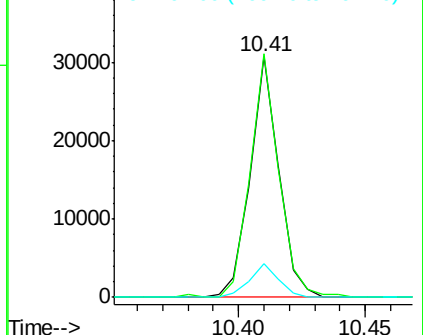
167 14.1 10.6 16.0

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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. 0.00 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

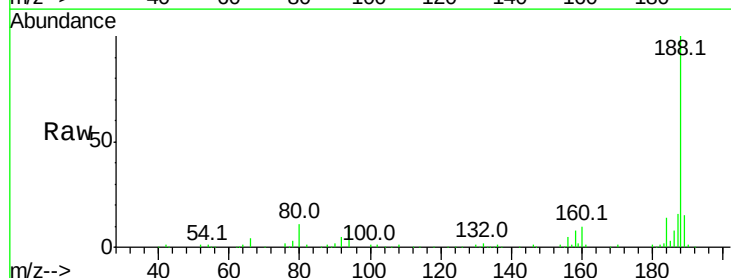
Tgt Ion:188 Resp: 193193

Ion Ratio Lower Upper

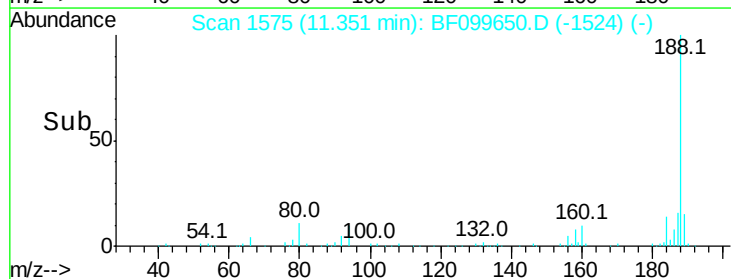
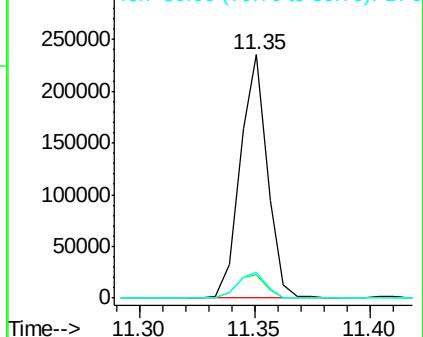
188 100

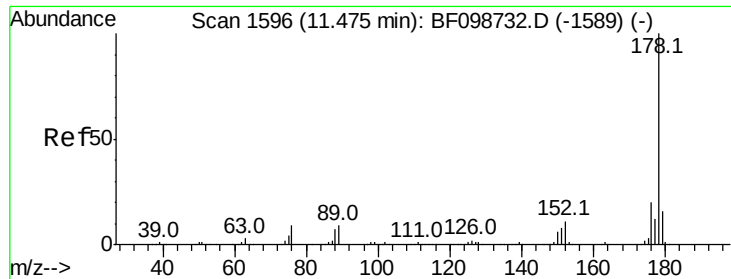
94 9.8 8.5 12.7

80 10.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





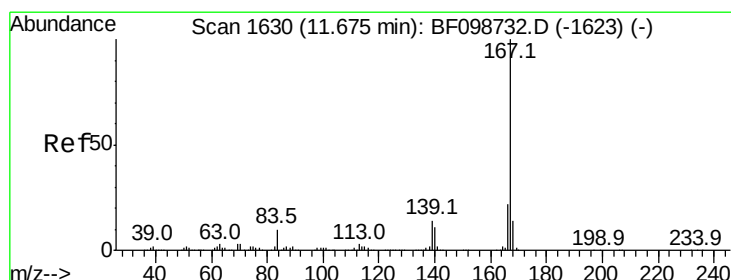
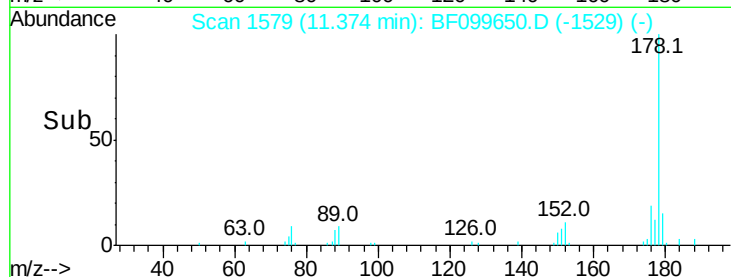
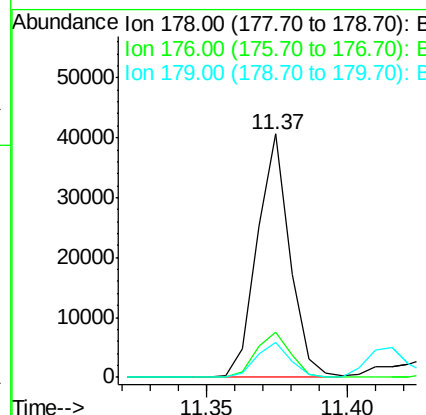
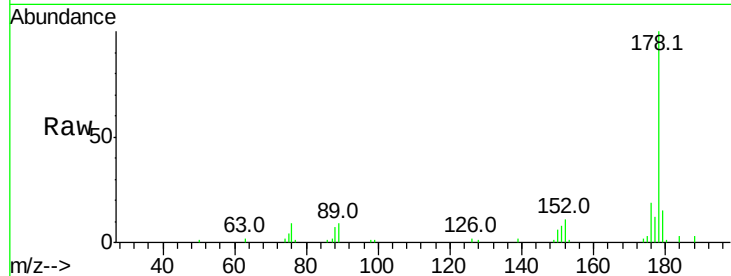
#70
Phenanthrene
Concen: 3.151 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Instrument :
BNA_F
ClientSampled :
TP-1-2-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	14.5	13.0	19.6

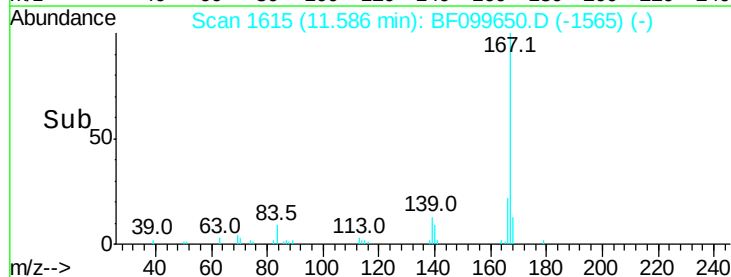
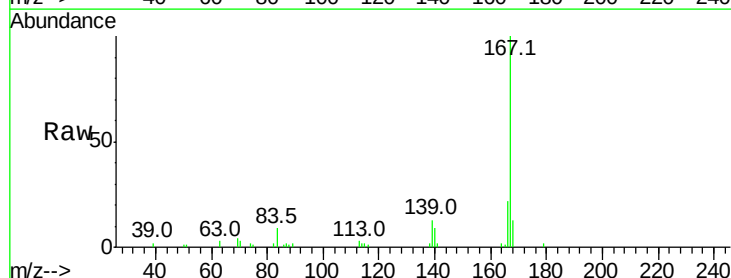
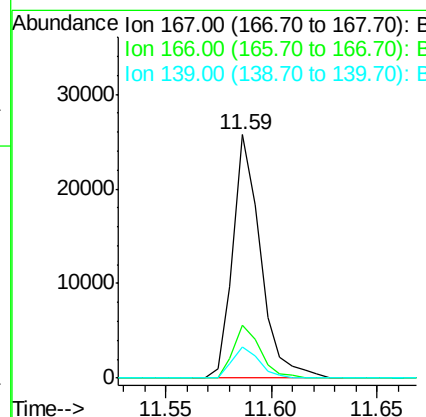
Manual Integrations
APPROVED

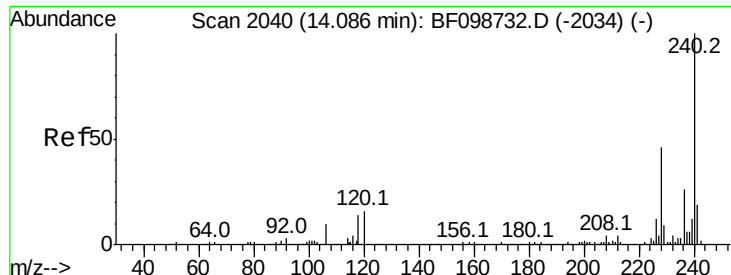
Sohil
10/19/2017 6:15:49 PM



#72
Carbazole
Concen: 2.243 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	12.7	10.9	16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

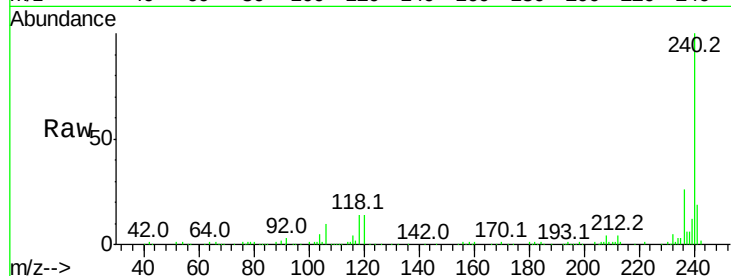
ClientSampleId :

TP-1-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.3	9.5	14.3	
236	25.7	20.7	31.1	

Manual Integrations
APPROVED

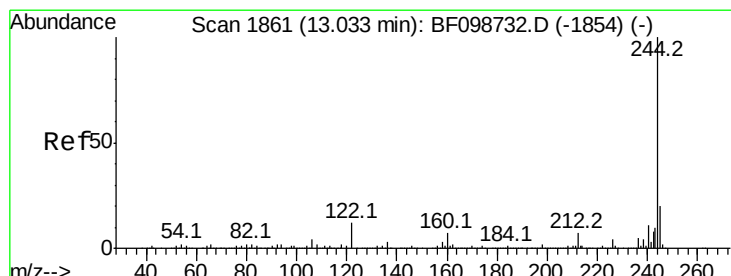
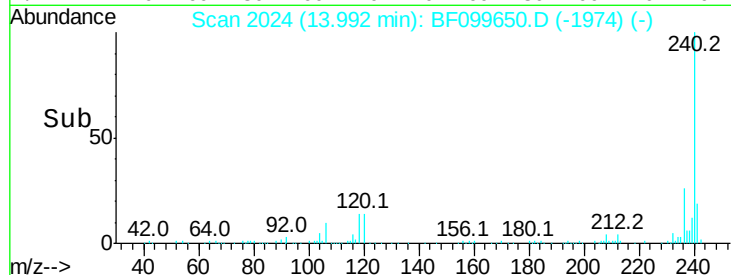
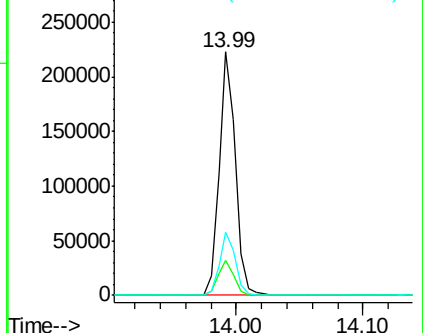
Sohil
10/19/2017 6:15:49 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 78.173 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099650.D

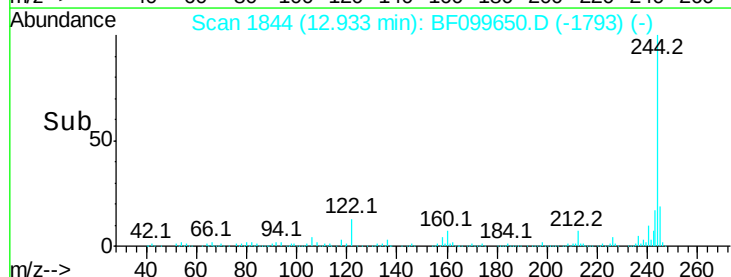
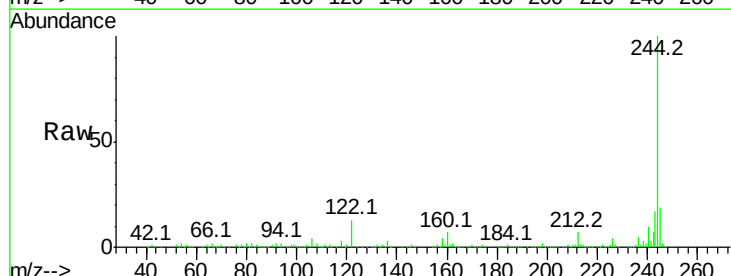
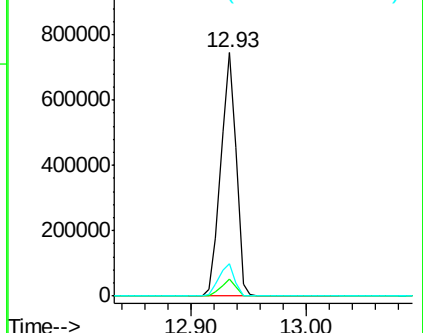
Acq: 19 Oct 2017 7:21

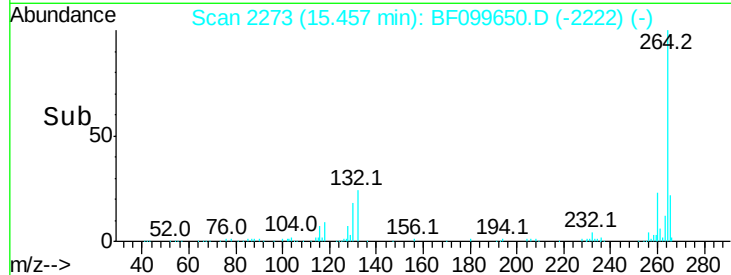
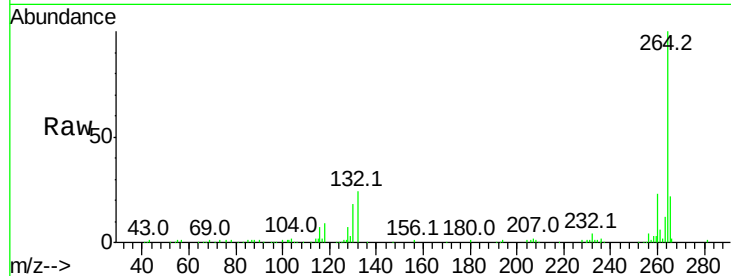
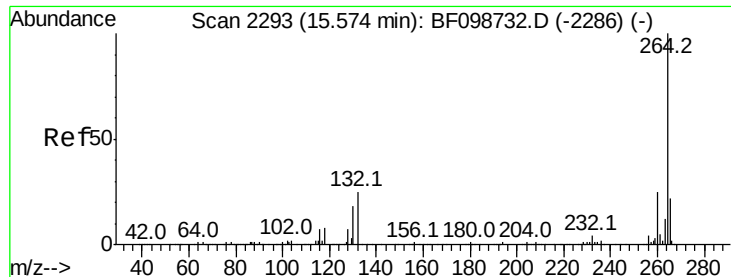
Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.0	5.4	8.0	
122	13.4	11.0	16.4	

Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tot Ion:	264	Resp:	155397
Ion Ratio	Lower	Upper	
264	100		
260	22.8	19.2	28.8
265	22.1	17.5	26.3

Instrument :
 BNA_F
 ClientSampled :
 TP-1-2-COMP

Manual Integrations
 APPROVED

Sohil
 10/19/2017 6:15:49 PM

