

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099818.D
 Acq On : 25 Oct 2017 17:29
 Operator : SJ/JU
 Sample : I6064-01DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248-COMPDL

Manual Integrations
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 10/27/2017 8:58:57 AM

Quant Time: Oct 25 18:08:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	78220	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	316866	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	141843	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	244666	20.00	ng	0.00
75) Chrysene-d12	13.98	240	161090	20.00	ng	0.00
86) Perylene-d12	15.45	264	154378	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	17081	3.43	ng	0.02
7) Phenol-d6	6.45	99	22342	3.78	ng	0.01
23) Nitrobenzene-d5	7.37	82	11903	2.42	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	4473	3.46	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	30780	3.35	ng	0.00
78) Terphenyl-d14	12.91	244	25117	3.41	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	66648	4.357	ng	Qvalue 98
37) 2-Methylnaphthalene	8.79	142	29134	2.842	ng	98
51) Acenaphthene	9.87	154	33098	3.774	ng	98
54) Dibenzofuran	10.05	168	37774	3.051	ng	96
57) Fluorene	10.39	166	68518	6.685	ng	99
70) Phenanthrene	11.36	178	444444	32.188	ng	98
71) Anthracene	11.40	178	104123	7.429	ng	98
72) Carbazole	11.57	167	53962	4.094	ng	98
74) Fluoranthene	12.55	202	351640	24.506	ng	98
77) Pyrene	12.78	202	292928	23.914	ng	98
80) Benzo(a)anthracene	13.97	228	112328	11.000	ng	99
82) Chrysene	14.01	228	104019	10.835	ng	96
85) Indeno(1,2,3-cd)pyrene	16.93	276	38927	4.417	ng	97
87) Benzo(b)fluoranthene	15.03	252	122002m	12.515	ng	
88) Benzo(k)fluoranthene	15.05	252	33699m	3.666	ng	
89) Benzo(a)pyrene	15.39	252	82286	9.397	ng	# 95
91) Benzo(a,h,i)perylene	17.39	276	36616	4.810	ng	# 90

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

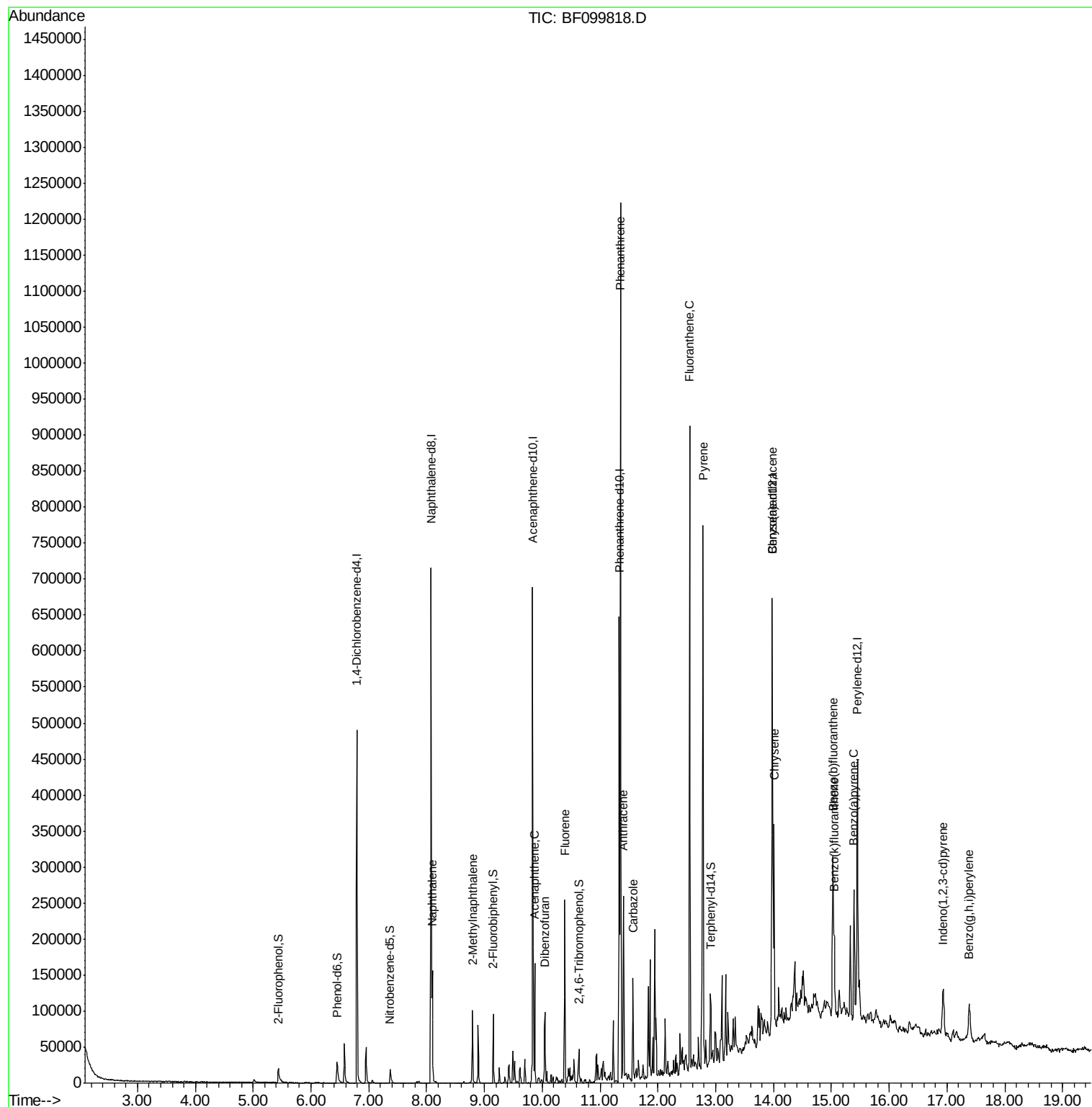
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099818.D
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Operator : SJ/JU
Sample : I6064-01DL 25X
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ALS Vial : 20 Sample Multiplier: 1

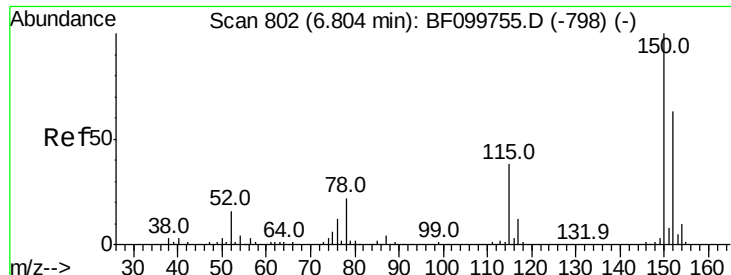
Instrument :
BNA_F
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#1

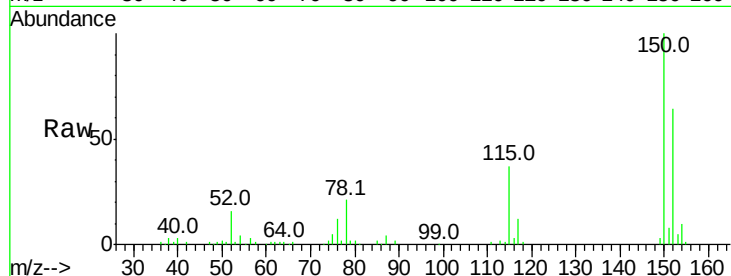
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Instrument :
BNA_F
ClientSampleId :
RT-4248-COMPDL

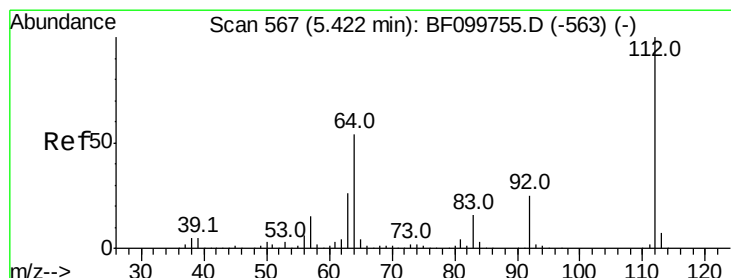
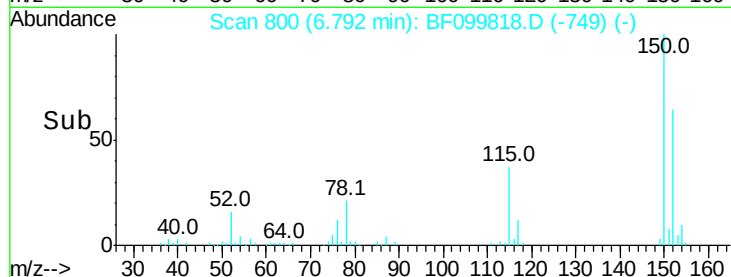
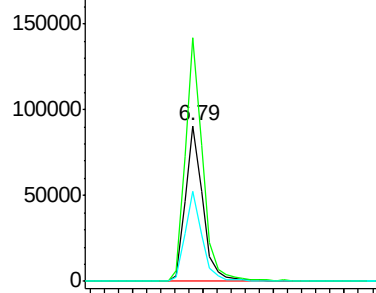
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	57.5	50.1	75.1

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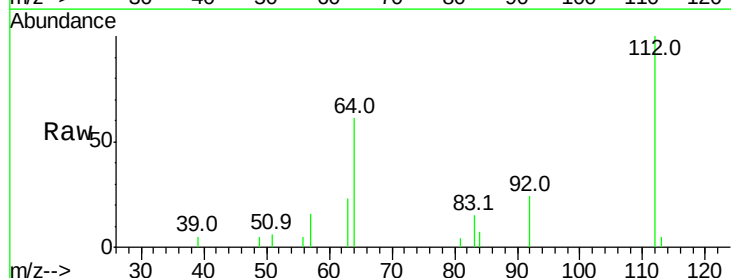
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



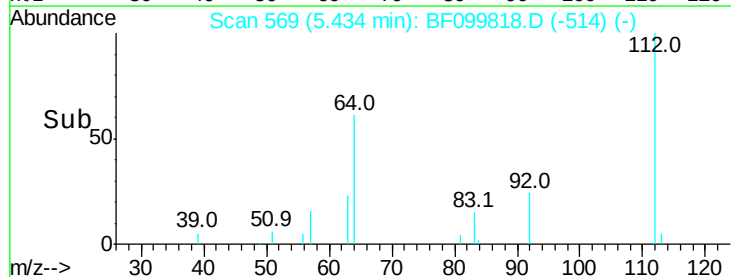
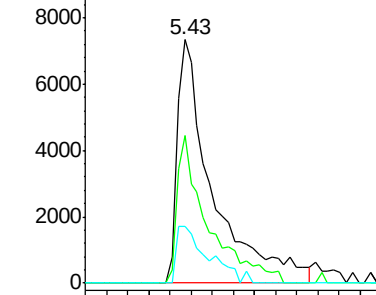
#5

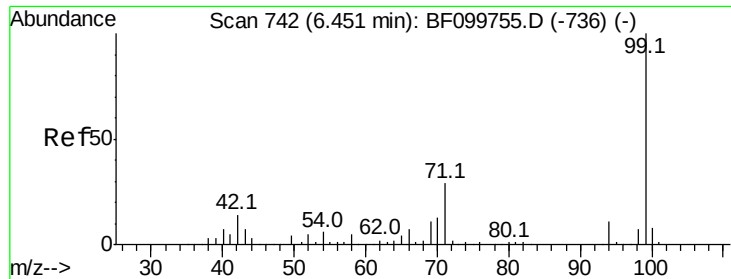
2-Fluorophenol
Concen: 3.428 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.9	71.9
63	23.2	23.7	35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.782 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Instrument :

BNA_F

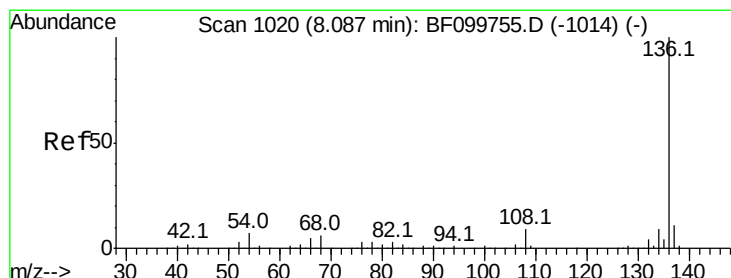
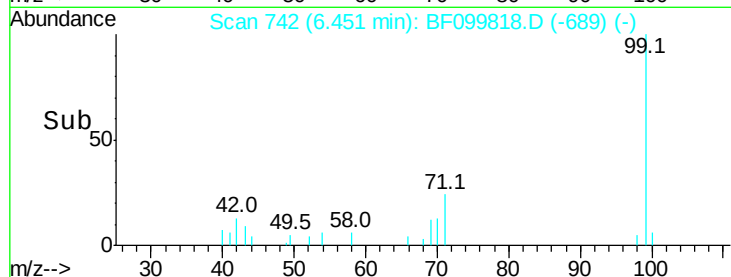
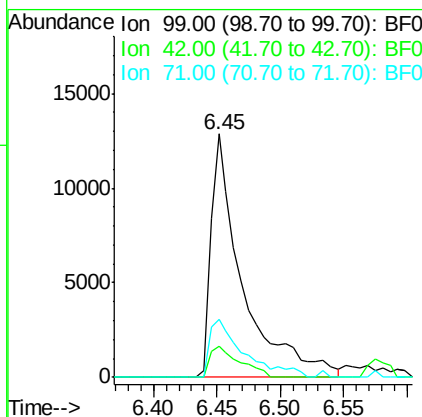
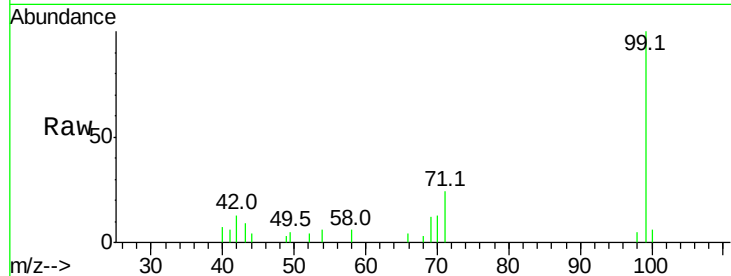
ClientSampleId :

RT-4248-COMPD

Tot Ion:	99	Resp:	22342
Ion Ratio	Lower	Upper	
99	100		
42	13.0	14.5	21.7#
71	23.6	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

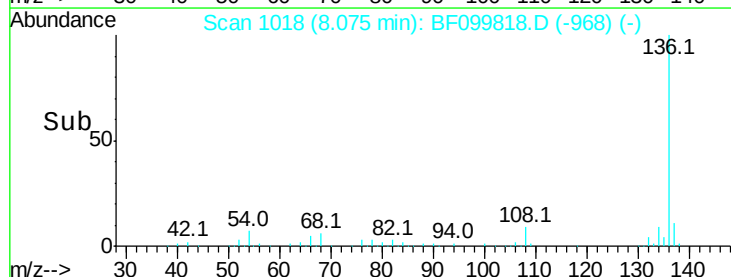
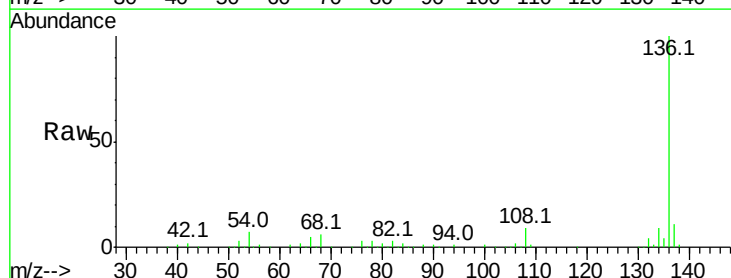
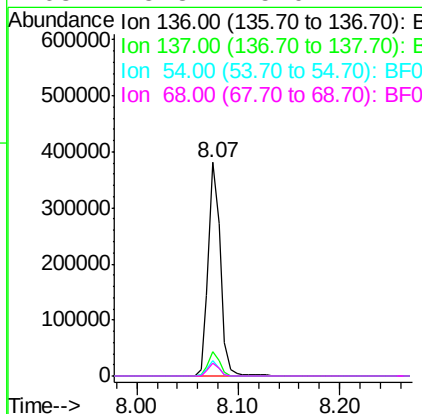
RT: 8.07 min Scan# 1018

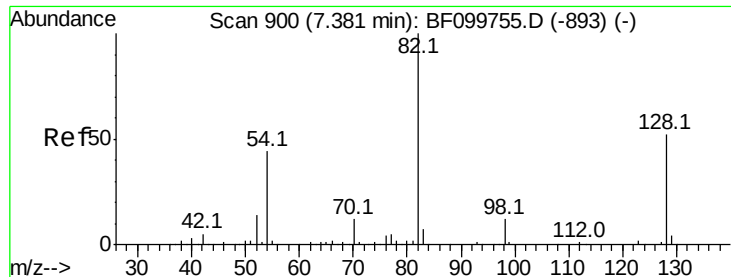
Delta R.T. -0.01 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Tgt Ion:	136	Resp:	316866
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.9	6.6	9.8
68	5.8	5.0	7.4





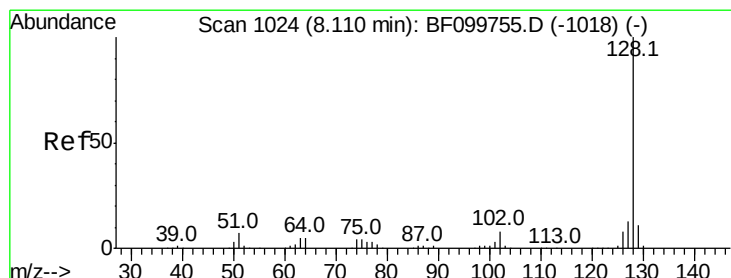
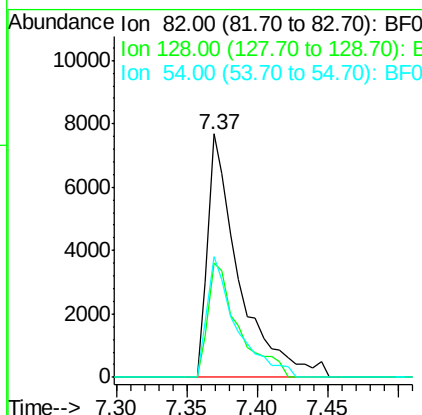
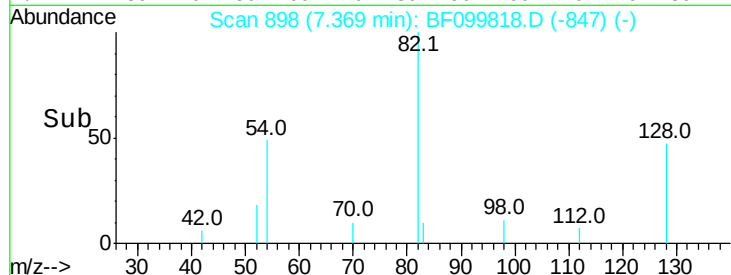
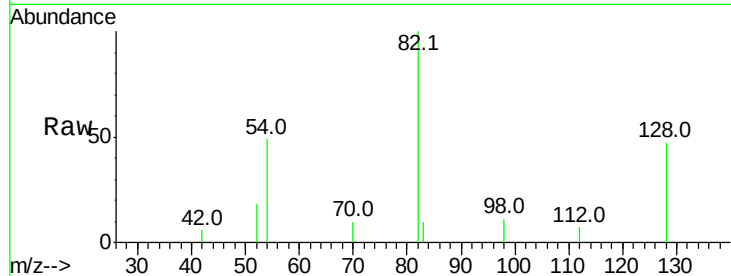
#23
 Nitrobenzene-d5
 Concen: 2.418 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248-COMPDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	49.4	41.4	62.2

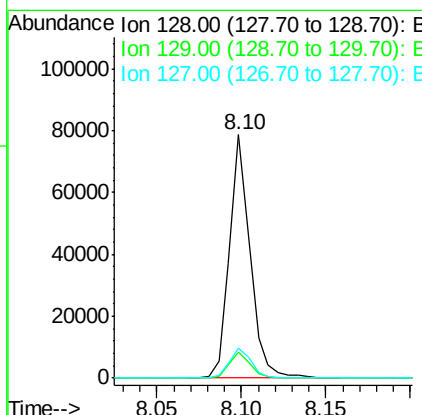
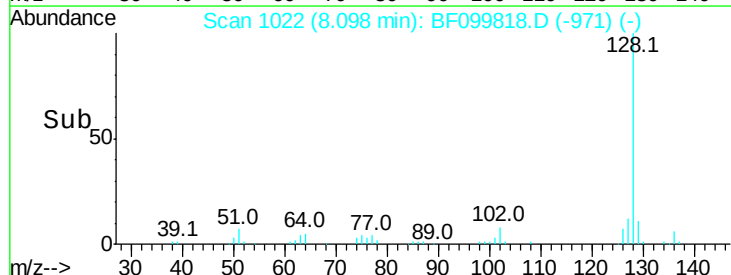
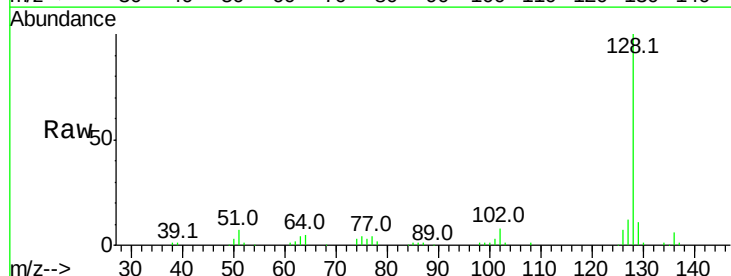
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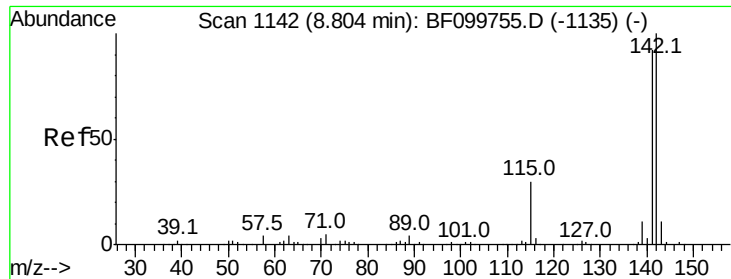
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#31
 Naphthalene
 Concen: 4.357 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.4	10.9	16.3





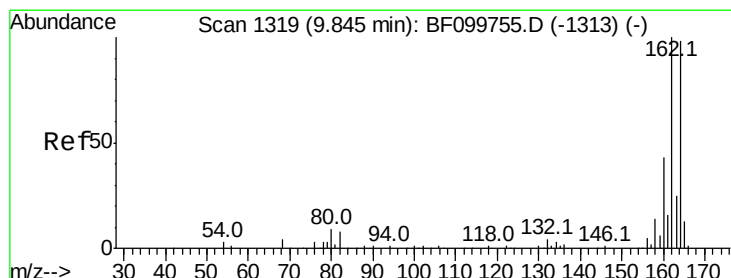
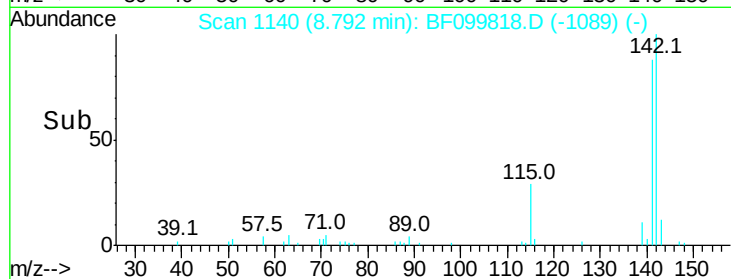
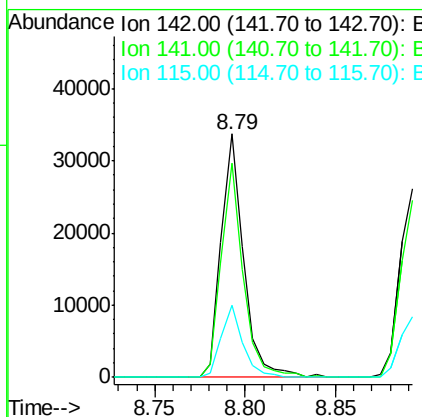
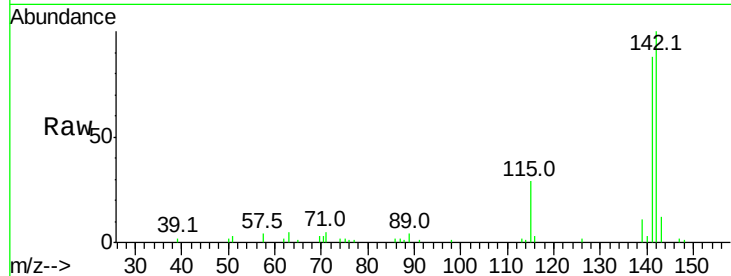
#37
 2-Methylnaphthalene
 Concen: 2.842 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248-COMPD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.8	106.2
115	29.5	26.1	39.1

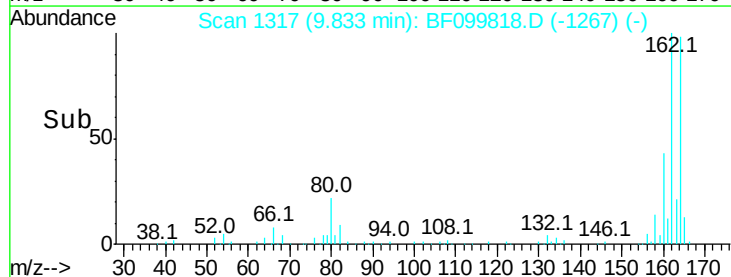
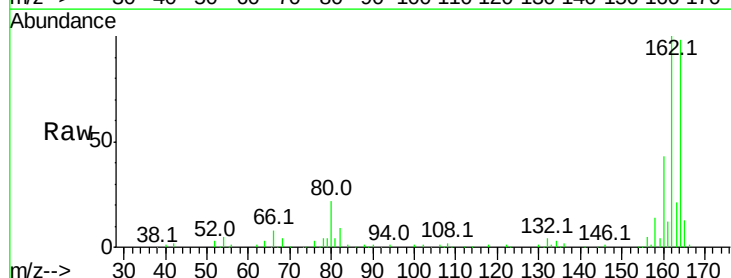
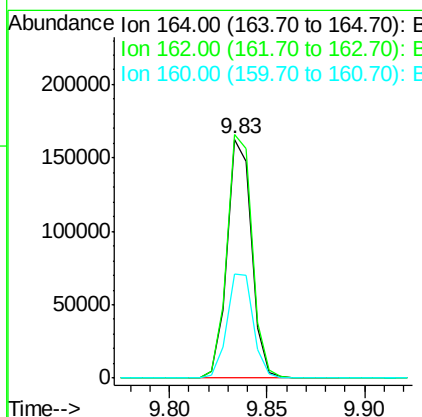
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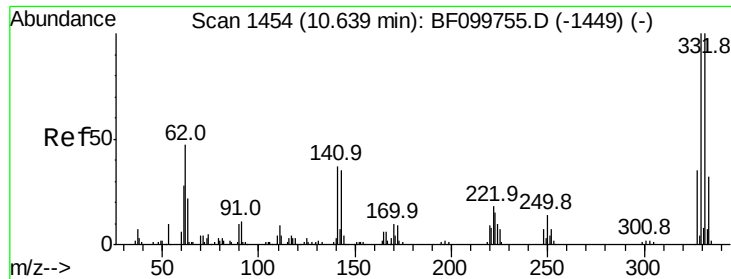
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	43.8	38.3	57.5





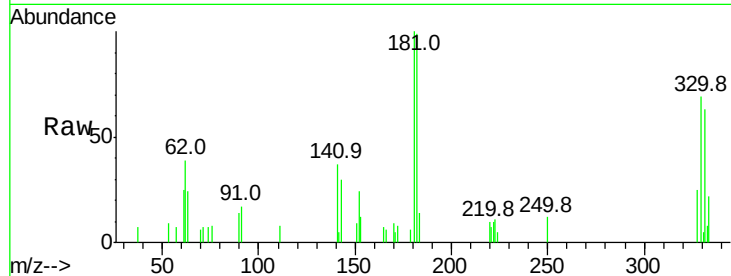
#41
 2,4,6-Tribromophenol
 Concen: 3.460 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248-COMPD

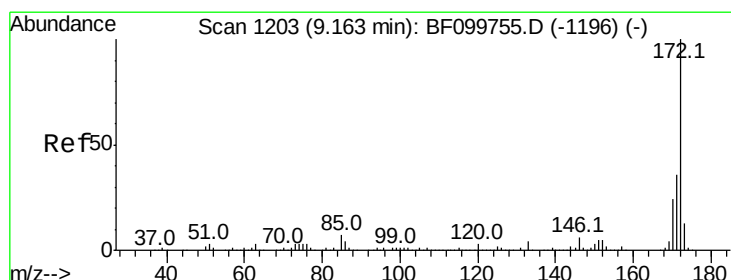
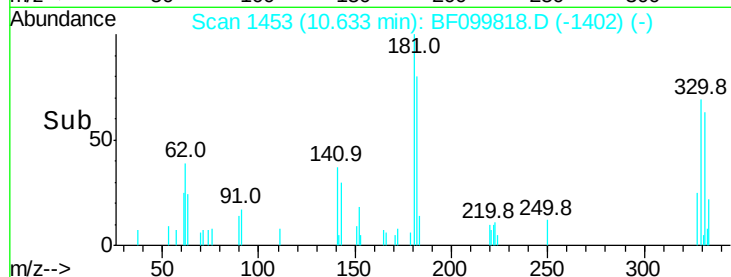
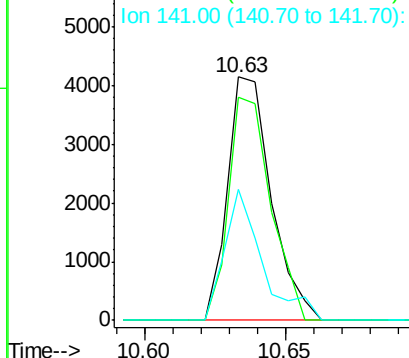
Tot Ion	Ratio	Lower	Upper
330	100		
332	88.5	77.0	115.6
141	45.9	29.9	44.9#

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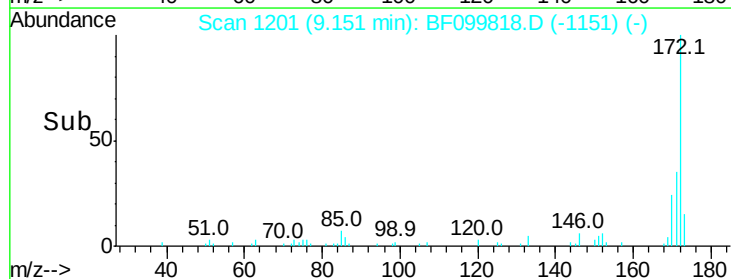
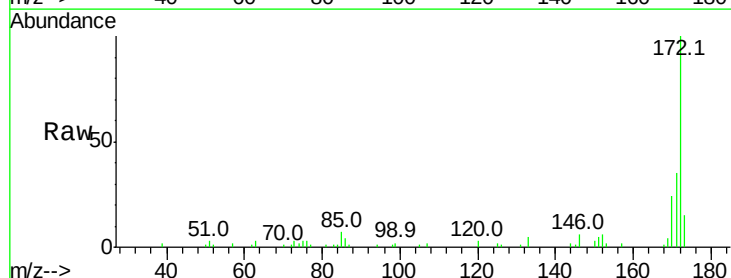
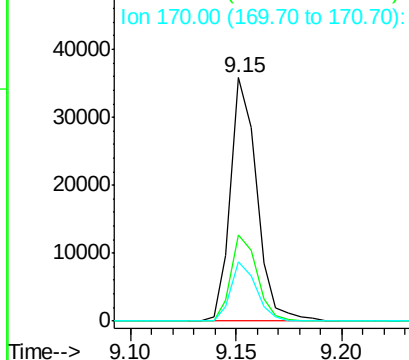
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

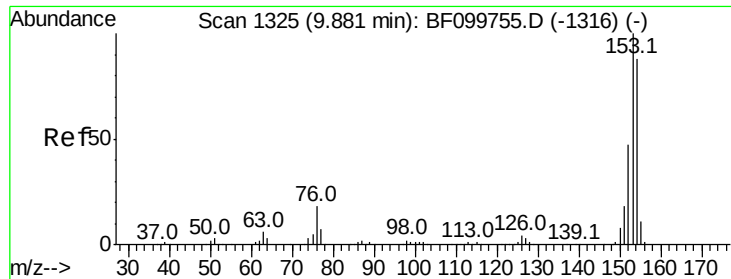


#44
 2-Fluorobiphenyl
 Concen: 3.348 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	24.1	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 3.774 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Instrument :

BNA_F

ClientSampleId :

RT-4248-COMPD

Tot Ion:154 Resp: 33098

Ion Ratio Lower Upper

154 100

153 112.5 91.2 136.8

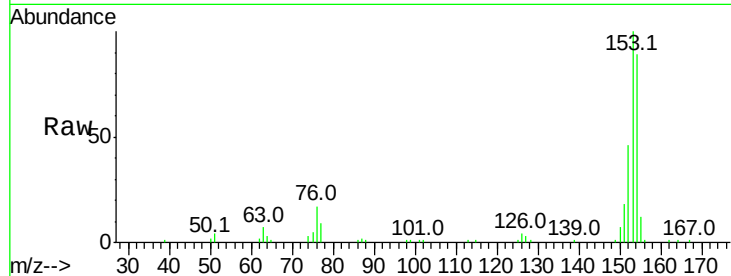
152 52.2 43.8 65.8

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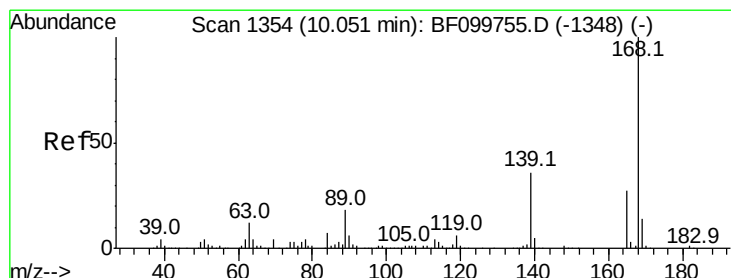
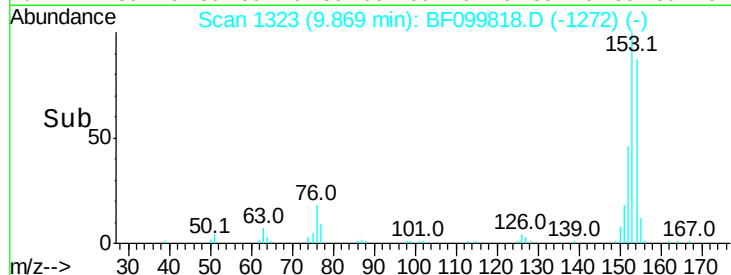
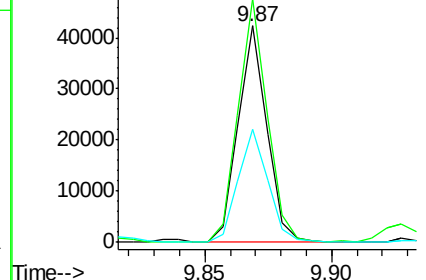
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.051 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

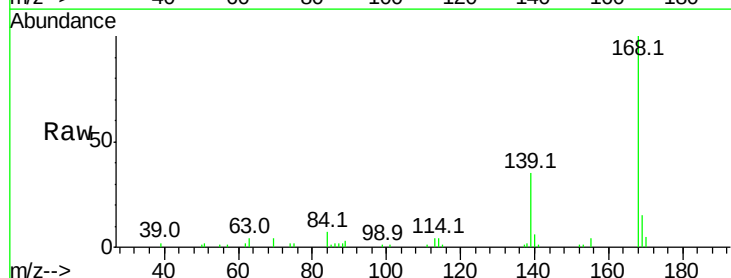
Tgt Ion:168 Resp: 37774

Ion Ratio Lower Upper

168 100

139 35.2 30.1 45.1

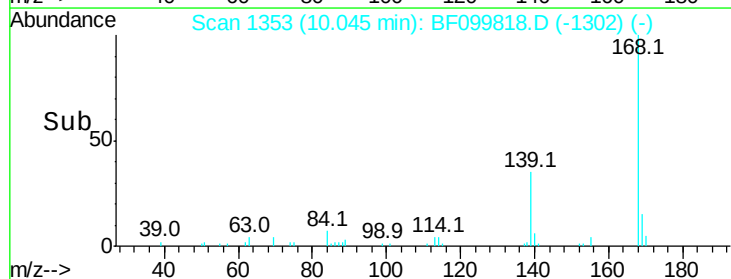
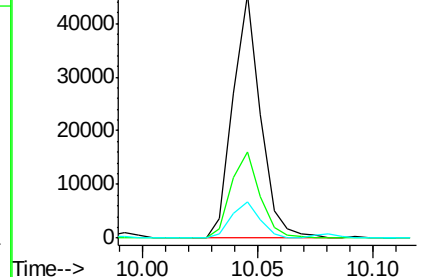
169 14.9 10.9 16.3

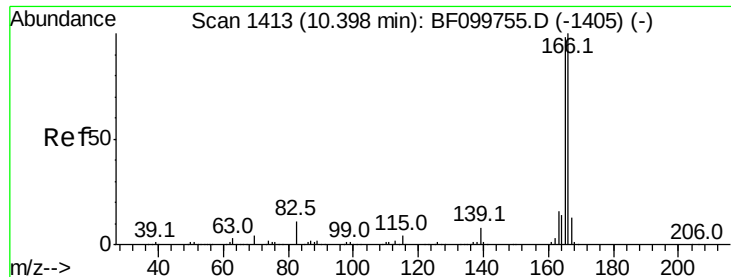


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 6.685 ng

RT: 10.39 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Instrument :

BNA_F

ClientSampleId :

RT-4248-COMPDL

Tot Ion:166 Resp: 68518

Ion Ratio Lower Upper

166 100

165 98.4 79.8 119.8

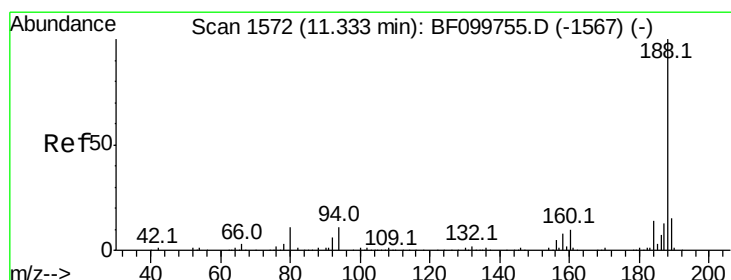
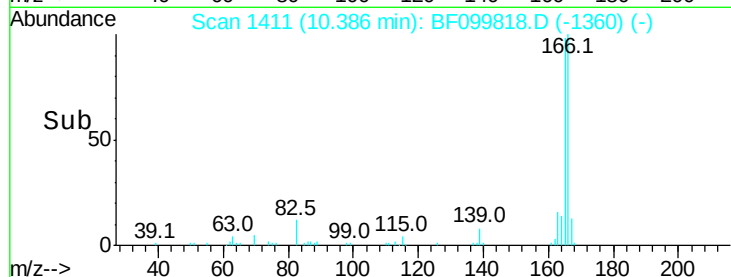
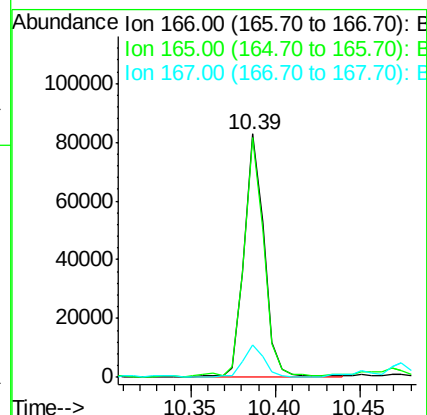
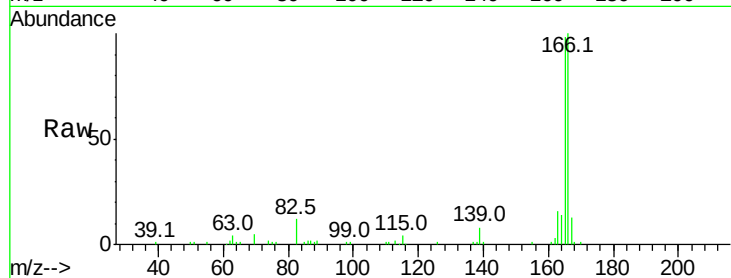
167 13.4 10.6 16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

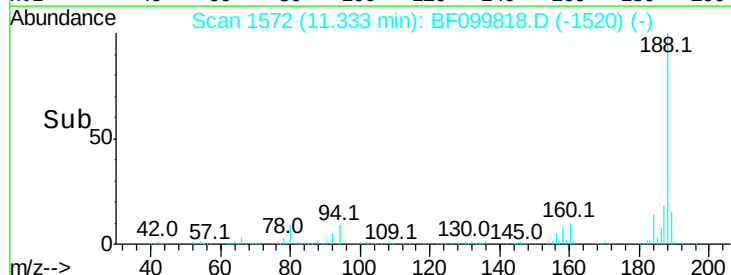
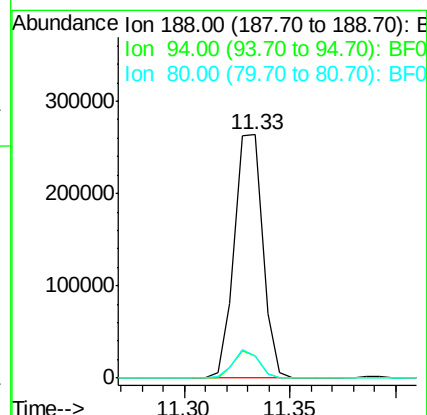
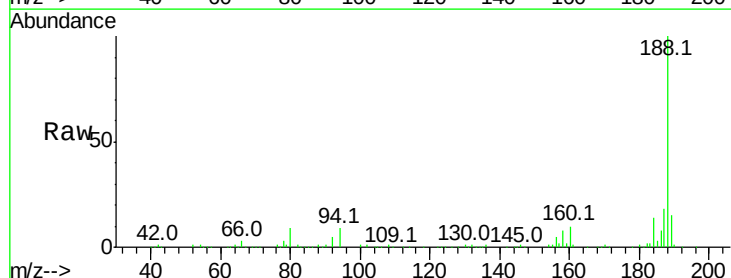
Tgt Ion:188 Resp: 244666

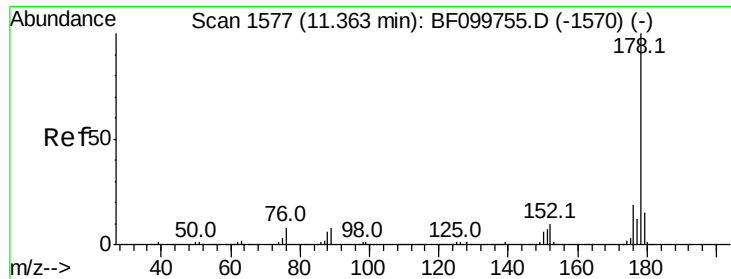
Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

80 9.1 9.2 13.8#





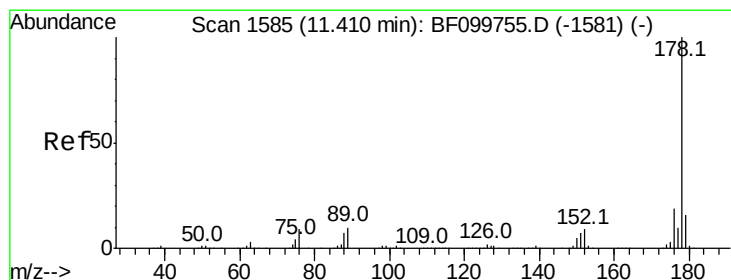
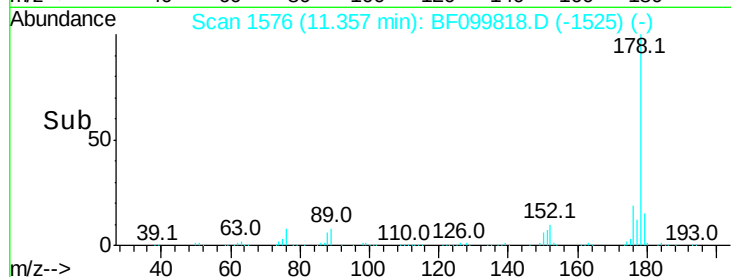
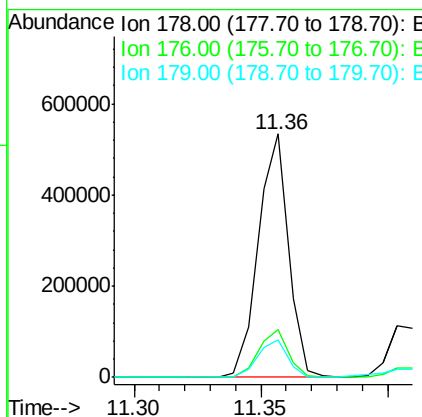
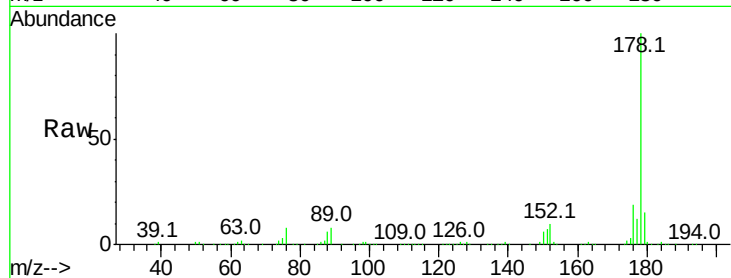
#70
Phenanthrene
Concen: 32.188 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Instrument :
BNA_F
ClientSampleId :
RT-4248-COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.3	13.0	19.6

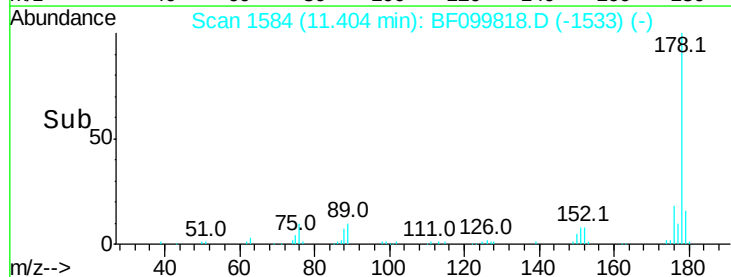
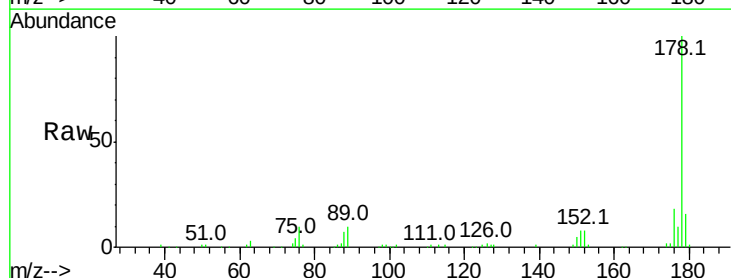
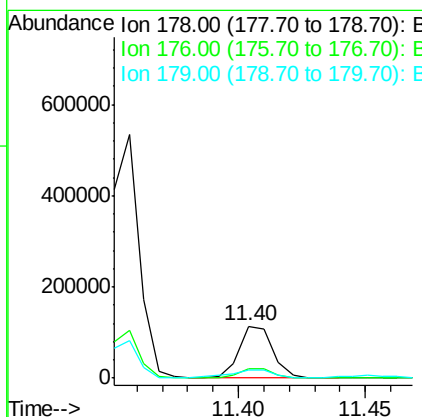
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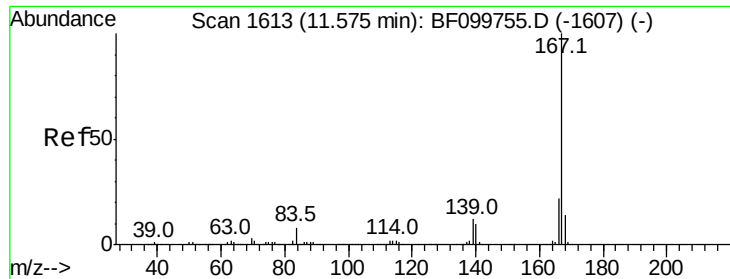
Sohil
10/27/2017 8:58:57 AM



#71
Anthracene
Concen: 7.429 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.4	12.6	19.0





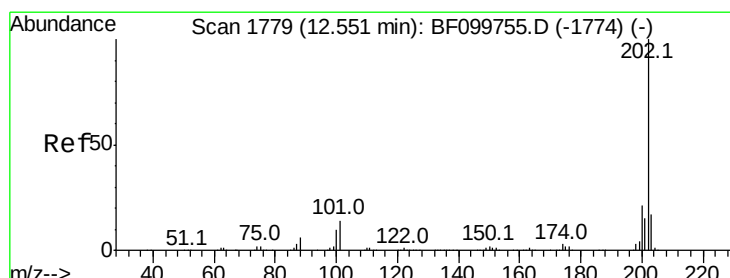
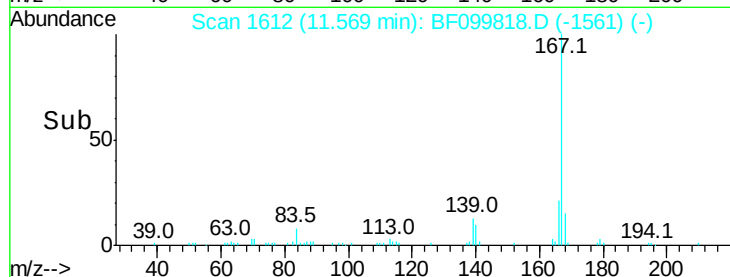
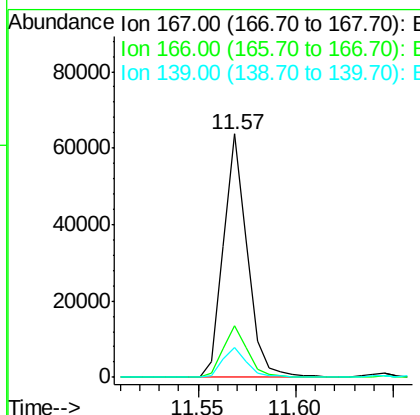
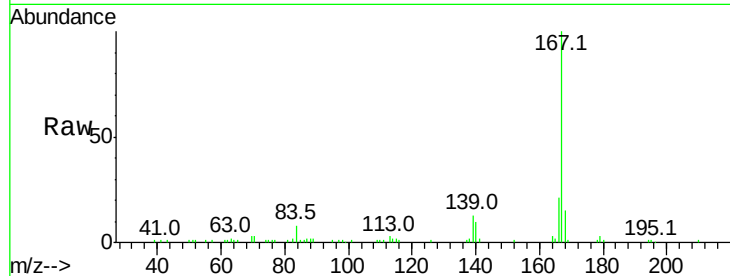
#72
 Carbazole
 Concen: 4.094 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248-COMPDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	12.5	10.9	16.3

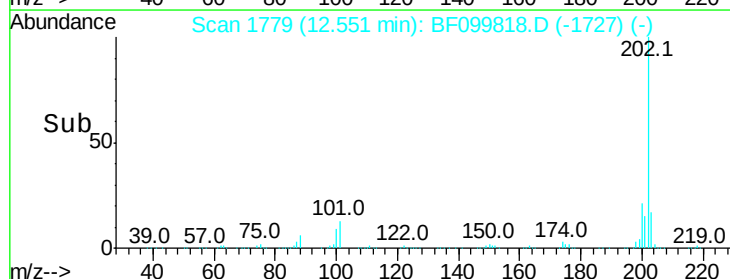
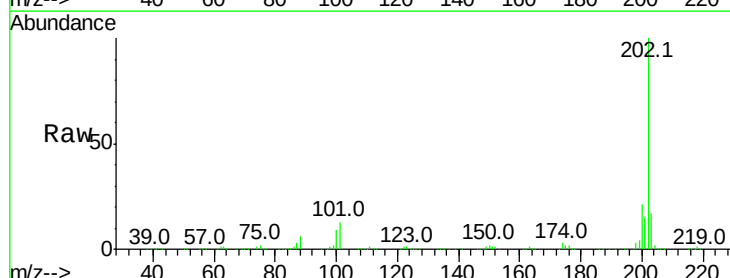
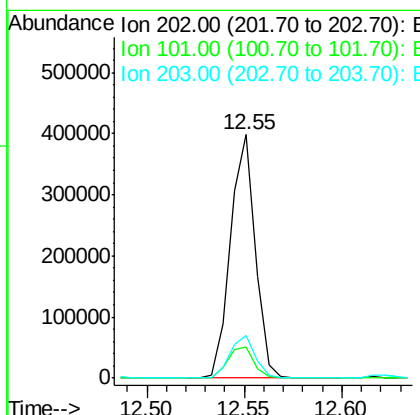
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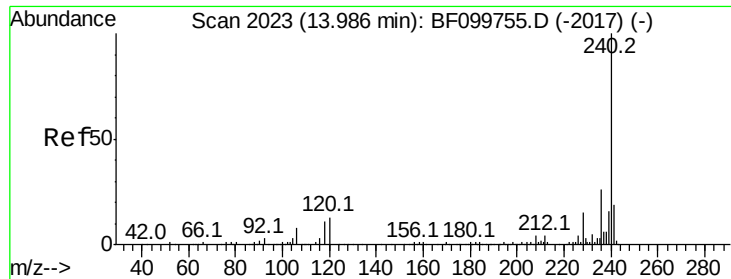
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#74
 Fluoranthene
 Concen: 24.506 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Instrument :

BNA_F

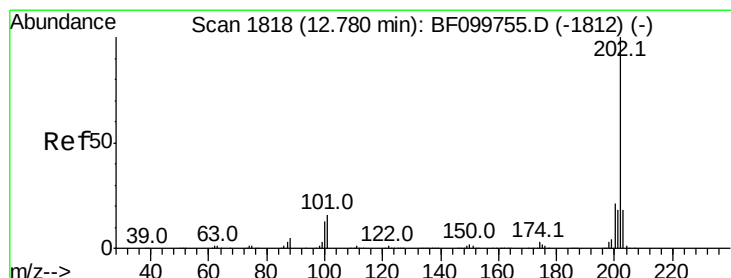
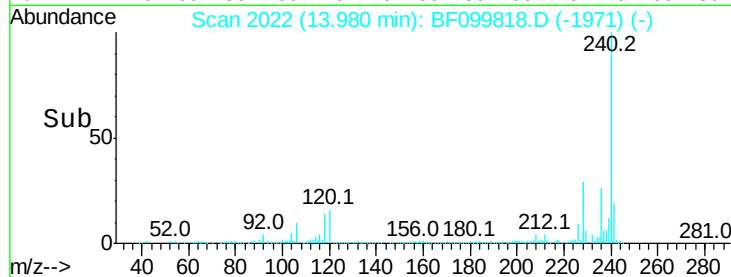
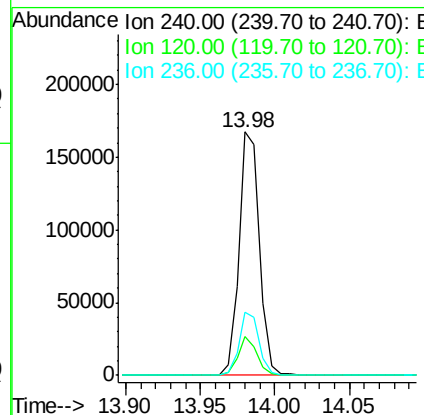
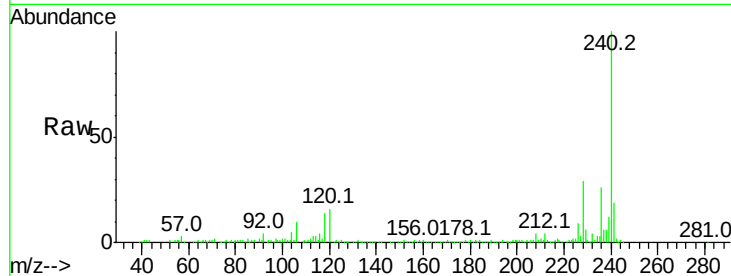
ClientSampleId :

RT-4248-COMPD

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.2	9.5	14.3
236	26.1	20.7	31.1

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#77

Pyrene

Concen: 23.914 ng

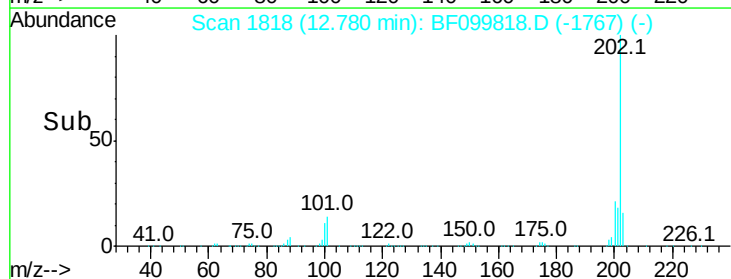
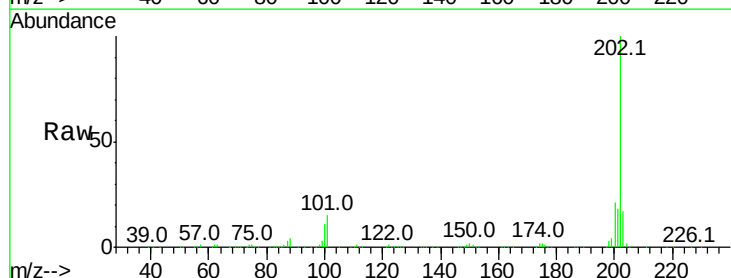
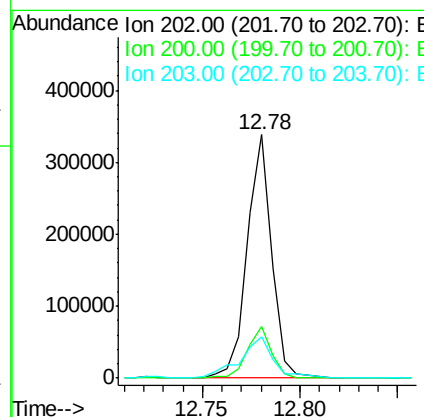
RT: 12.78 min Scan# 1818

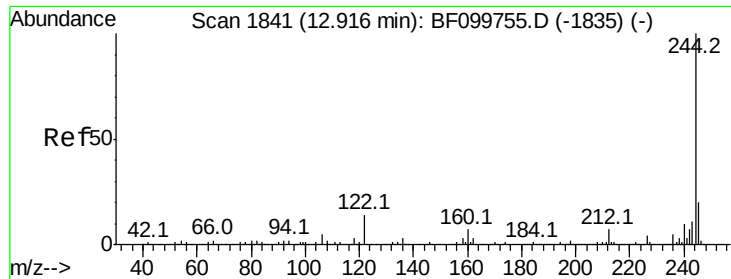
Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	16.8	14.3	21.5





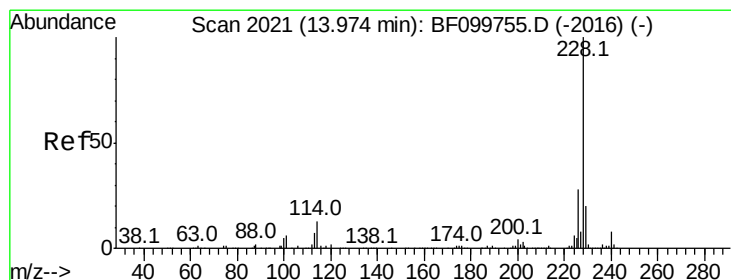
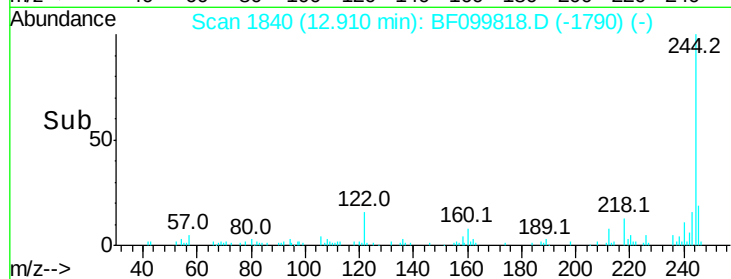
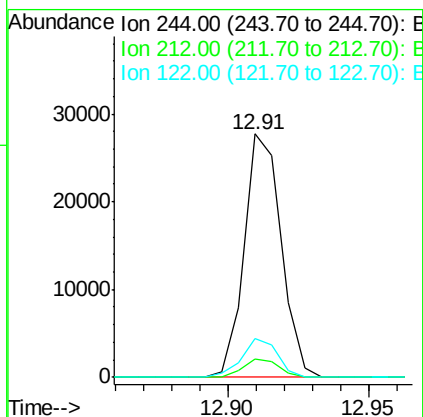
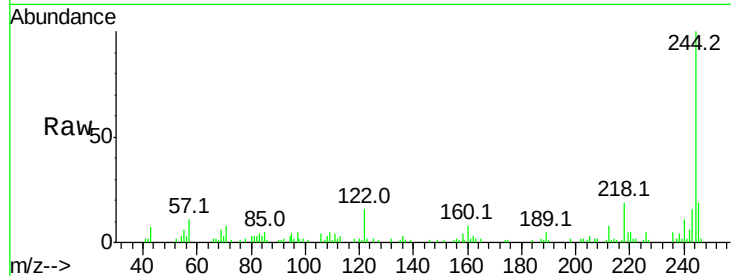
#78
 Terphenyl-d14
 Concen: 3.407 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248-COMPDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.0
122	15.7	11.0	16.4

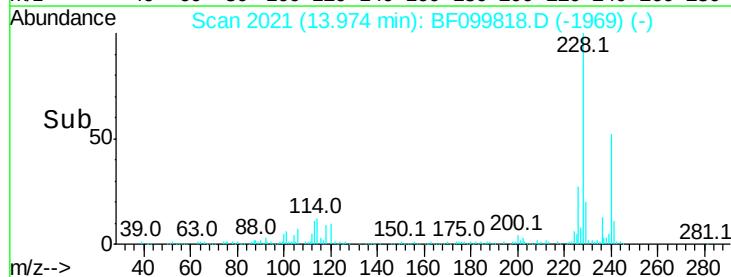
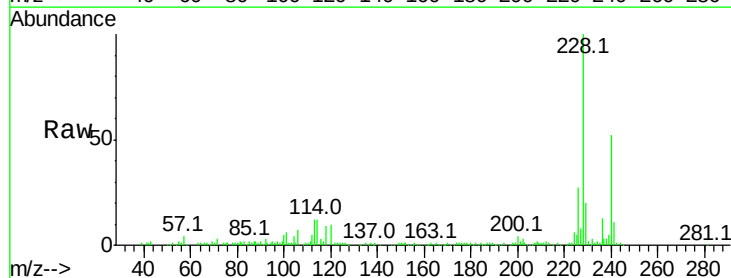
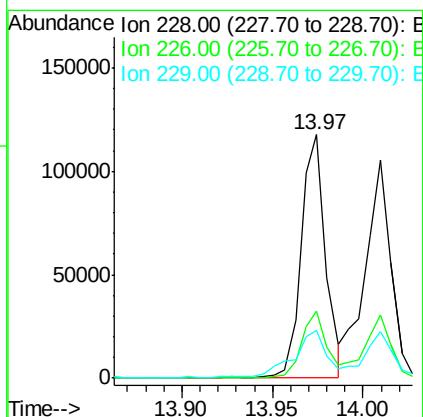
Manual Integrations
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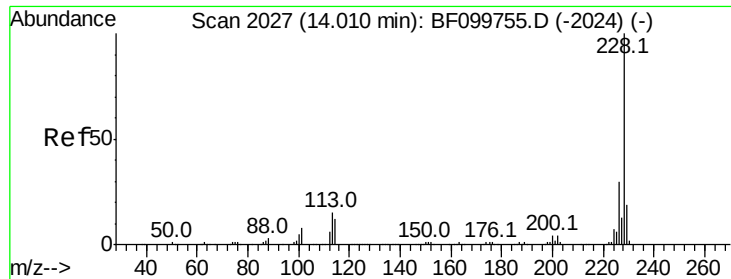
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#80
 Benzo(a)anthracene
 Concen: 11.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	19.9	15.8	23.6





#82

Chrysene

Concen: 10.835 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Instrument :

BNA_F

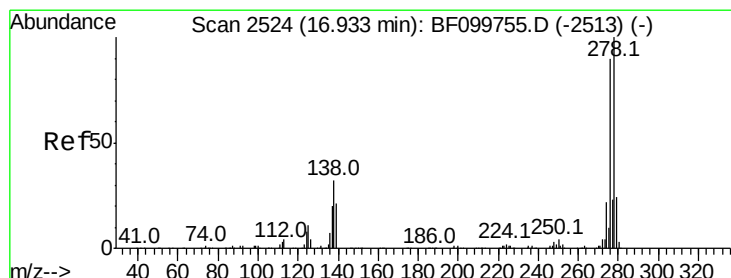
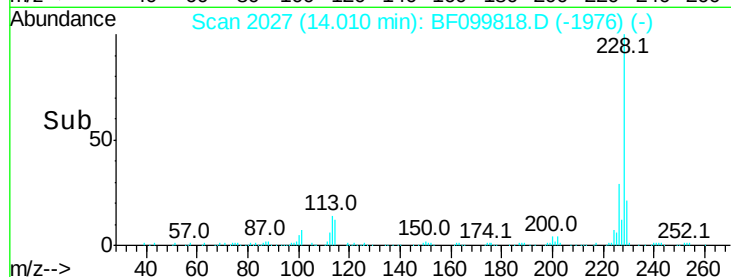
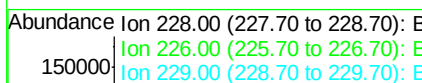
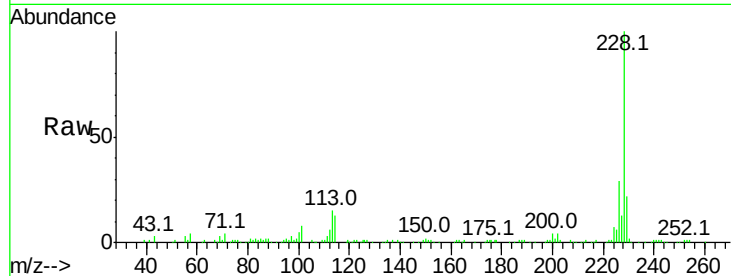
ClientSampleId :

RT-4248-COMPDL

Tot Ion:	228	Resp:	104019
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.0	37.6
229	21.6	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.417 ng

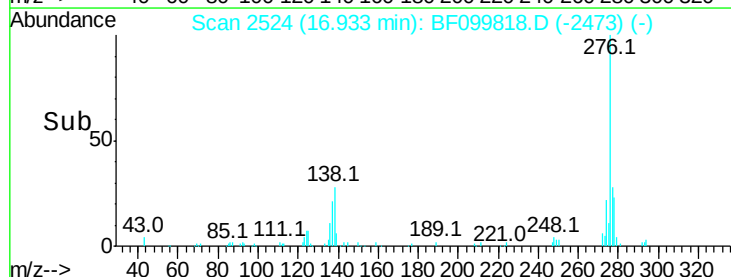
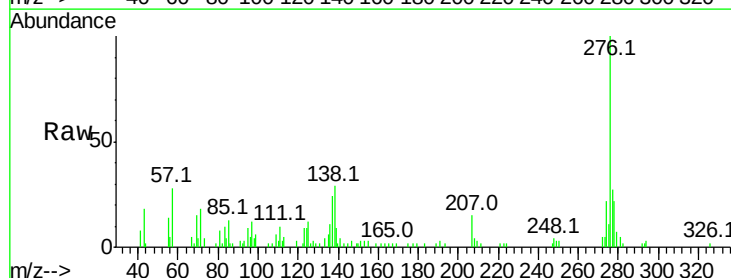
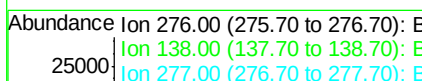
RT: 16.93 min Scan# 2524

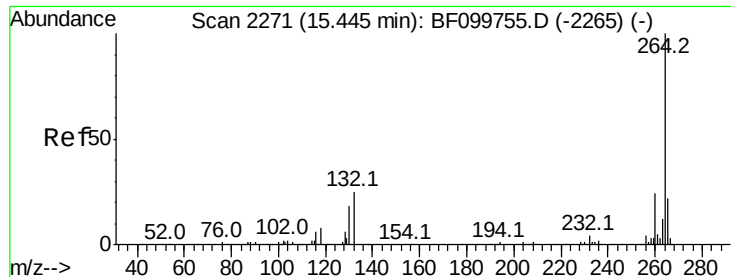
Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Tgt Ion:	276	Resp:	38927
Ion Ratio	Lower	Upper	
276	100		
138	30.8	25.0	37.6
277	28.2	20.1	30.1





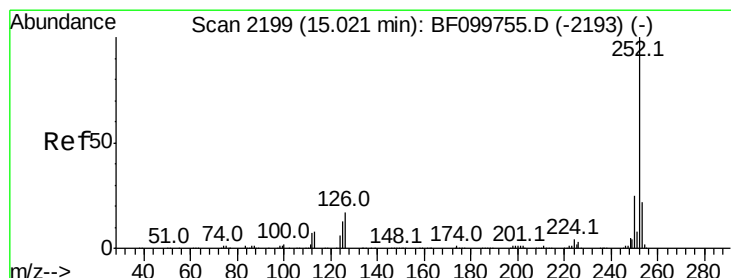
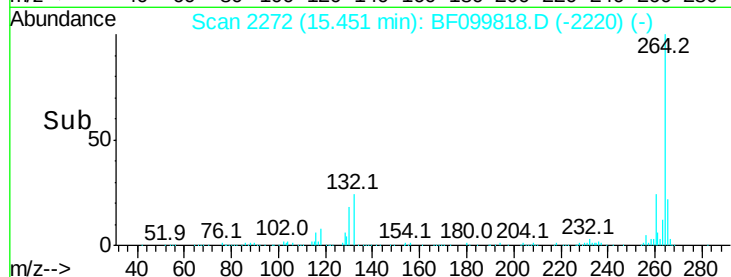
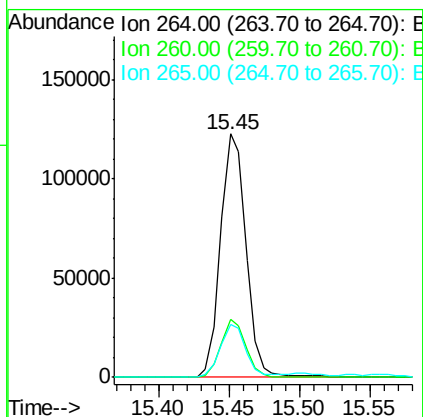
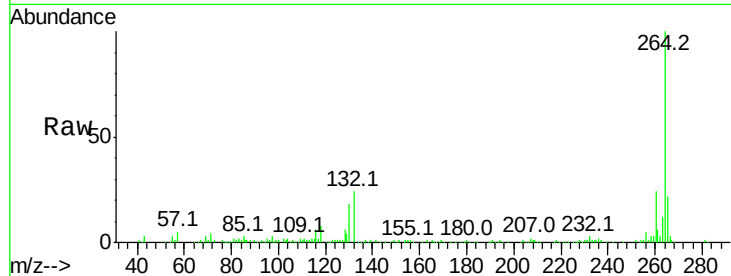
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Instrument :
BNA_F
ClientSampleId :
RT-4248-COMPD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	17.5	26.3

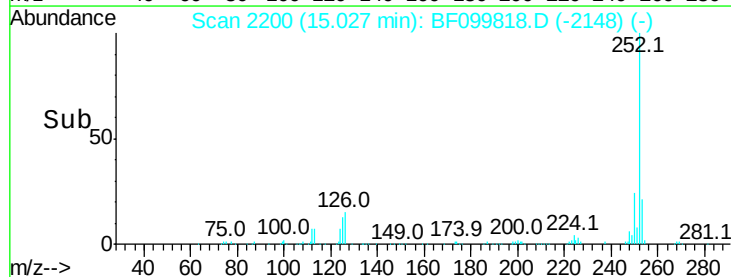
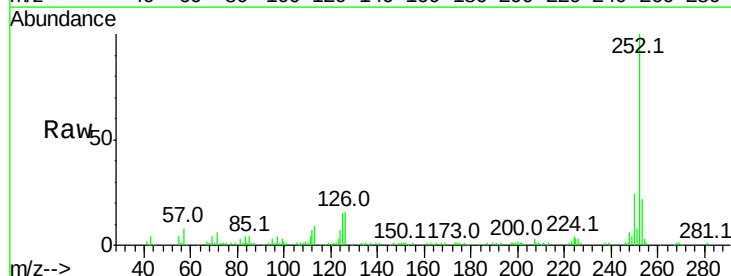
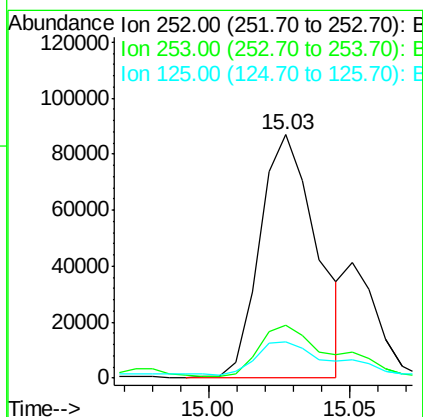
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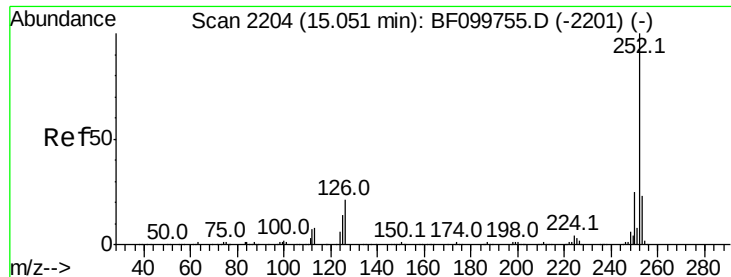
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#87
Benzo(b)fluoranthene
Concen: 12.515 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	15.1	9.0	13.6





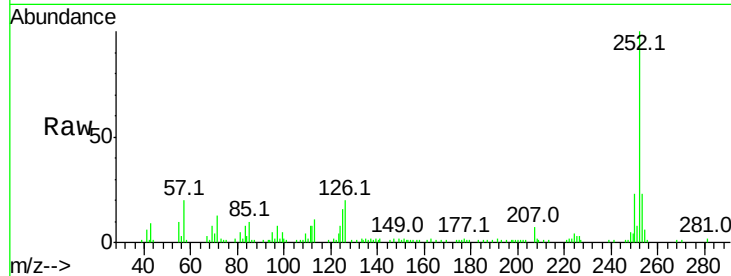
#88
Benzo(k)fluoranthene
Concen: 3.666 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Instrument :
BNA_F
ClientSampleId :
RT-4248-COMPD

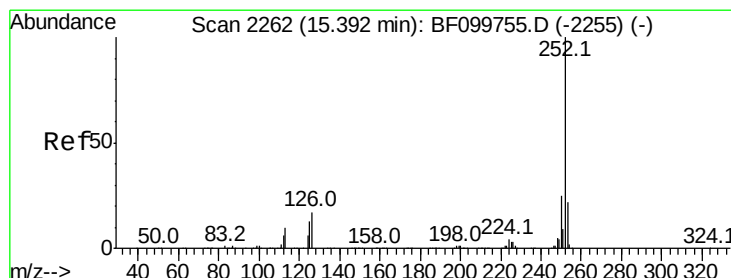
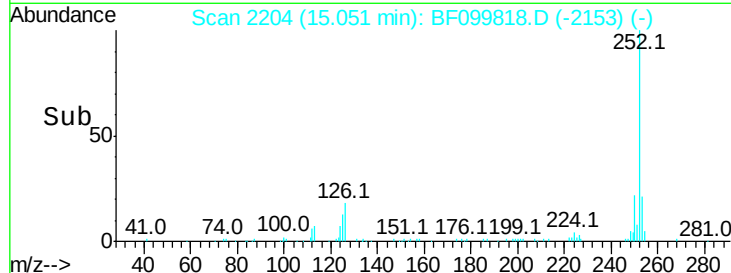
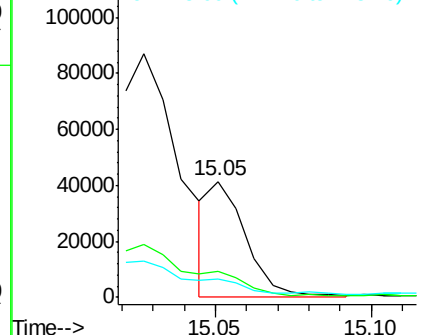
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	16.2	10.2	15.2

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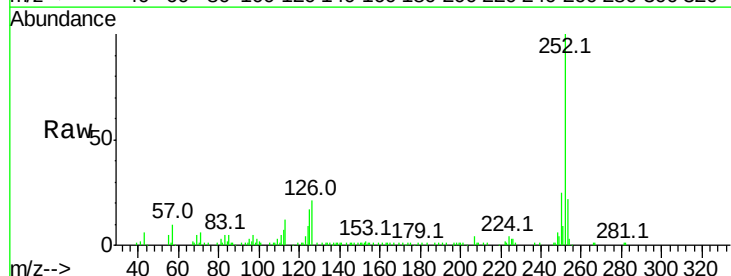


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

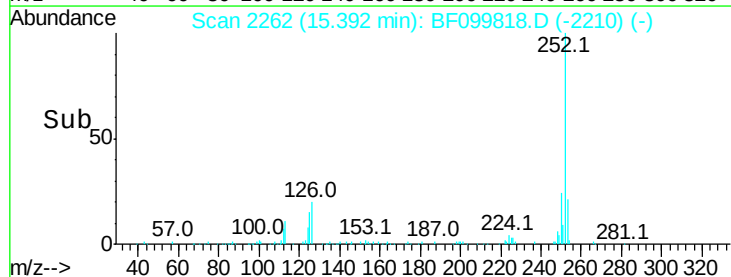
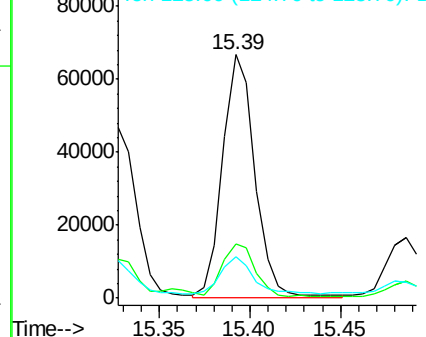


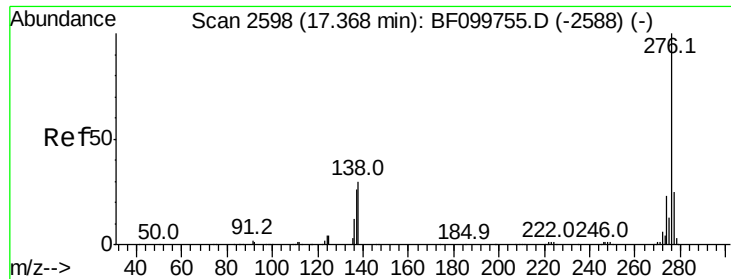
#89
Benzo(a)pyrene
Concen: 9.397 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	17.1	9.8	14.6



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





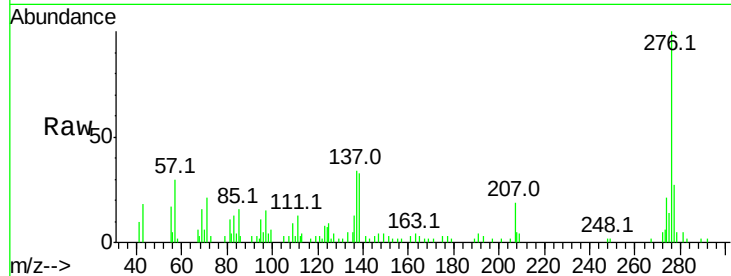
#91
 Benzo(a,h,i)perylene
 Concen: 4.810 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. 0.01 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248-COMPDL

Tot Ion:	276	Resp:	36616
Ion Ratio		Lower	Upper
276	100		
277	27.0	17.9	26.9#
138	32.9	21.8	32.8#

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

