

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091417\
 Data File : BF098528.D
 Acq On : 14 Sep 2017 14:44
 Operator : SJ/JU
 Sample : I5159-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-5-1

Manual Integrations
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Quant Time: Sep 21 17:14:26 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 21 16:40:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	141618	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	576880	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	255664	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	421493	20.00	ng	0.00
75) Chrysene-d12	13.79	240	259151	20.00	ng	-0.01
86) Perylene-d12	15.19	264	292347	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1030542	107.59	ng	0.00
7) Phenol-d6	6.30	99	1291530	106.20	ng	0.00
23) Nitrobenzene-d5	7.22	82	801978	77.50	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	207724	121.74	ng	-0.01
44) 2-Fluorobiphenyl	9.01	172	1259895	83.52	ng	0.00
78) Terphenyl-d14	12.75	244	764436	63.67	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.31	94	37591	2.661	ng	95
31) Naphthalene	7.95	128	87567	3.071	ng	100
37) 2-Methylnaphthalene	8.65	142	61897	3.583	ng	99
49) Dimethylphthalate	9.40	163	204708	10.344	ng	99
70) Phenanthrene	11.18	178	151676	6.788	ng	99
74) Fluoranthene	12.37	202	209562	9.369	ng	99
77) Pyrene	12.60	202	167011	8.169	ng	98
80) Benzo(a)anthracene	13.78	228	77170	5.079	ng	94
82) Chrysene	13.82	228	92411	6.017	ng	94
87) Benzo(b)fluoranthene	14.80	252	148610m	8.085	ng	
88) Benzo(k)fluoranthene	14.82	252	46277m	2.697	ng	
89) Benzo(a)pyrene	15.13	252	68979	4.212	ng	98
91) Benzo(g,h,i)perylene	16.93	276	51114	4.266	ng	97

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

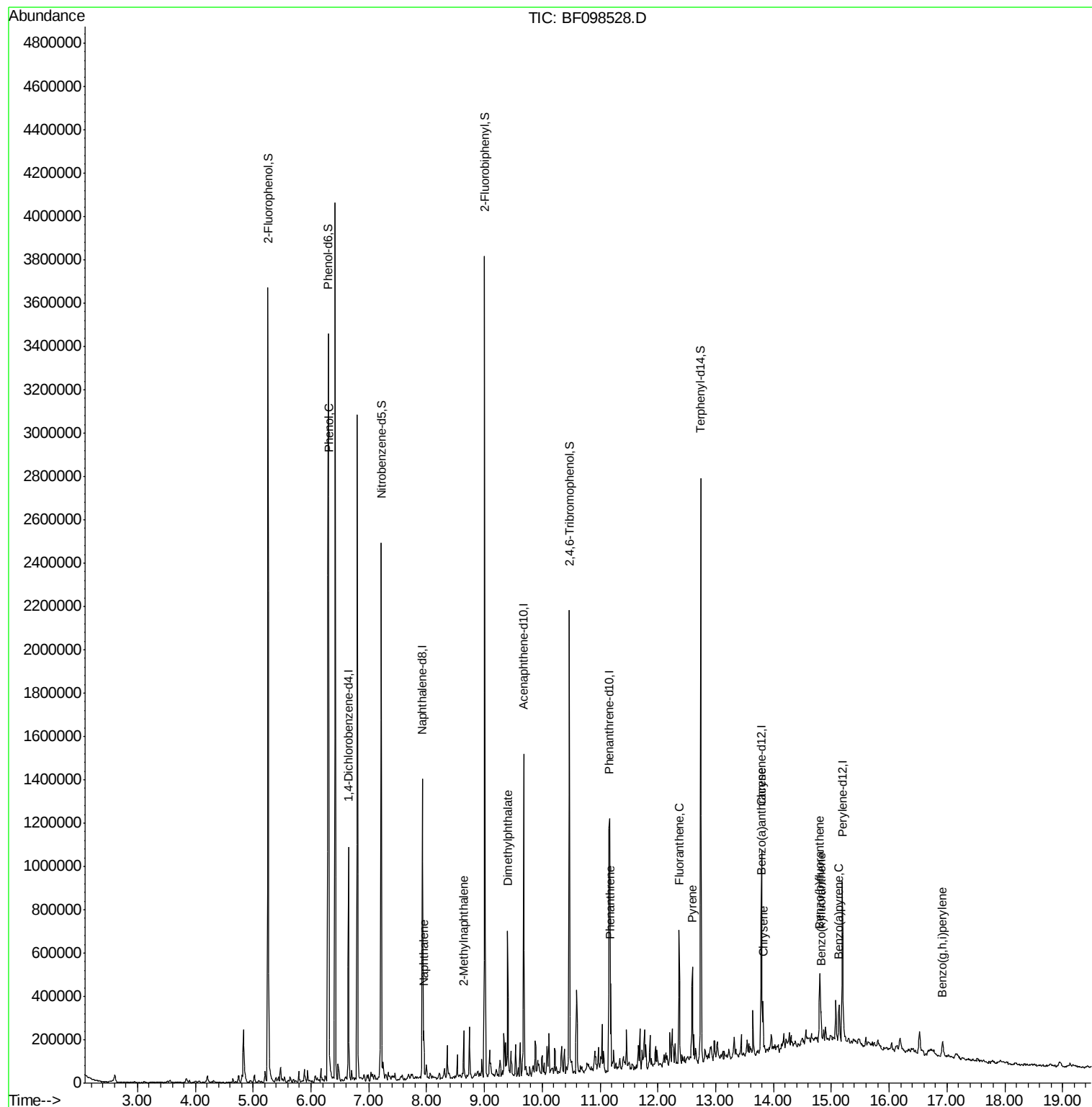
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091417\
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ALS Vial : 11 Sample Multiplier: 1

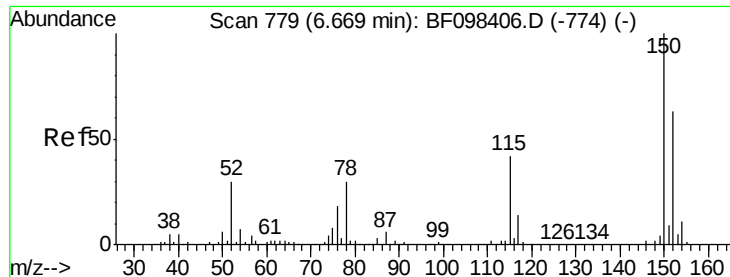
Instrument :
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ClientSampled :
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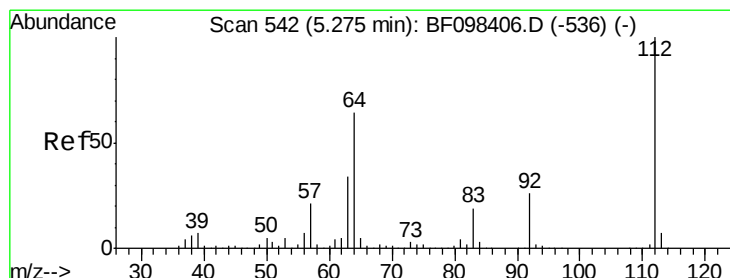
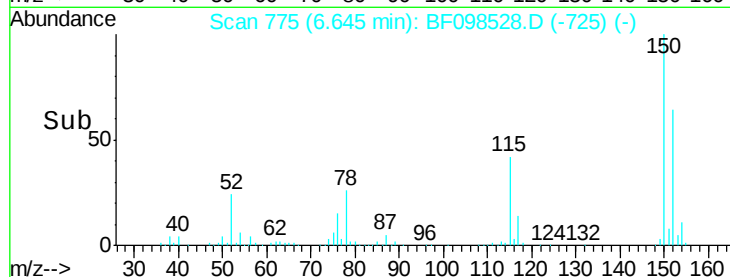
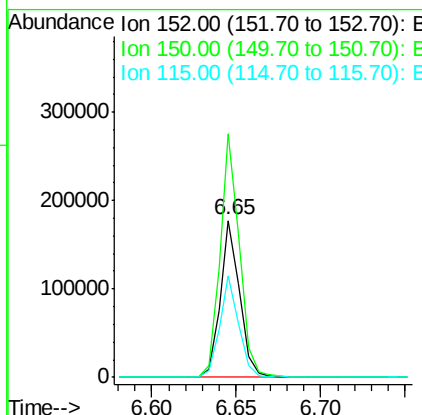
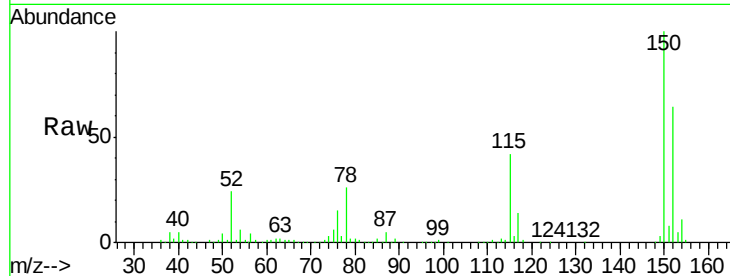
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF098528.D
 Acq: 14 Sep 2017 14:44

Instrument :
 BNA_F
 ClientSampled :
 G-5-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.2
115	64.6	52.2	78.2

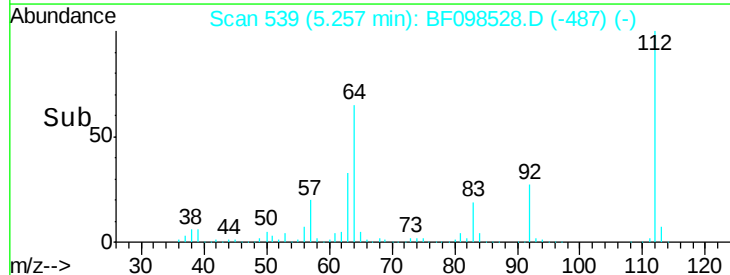
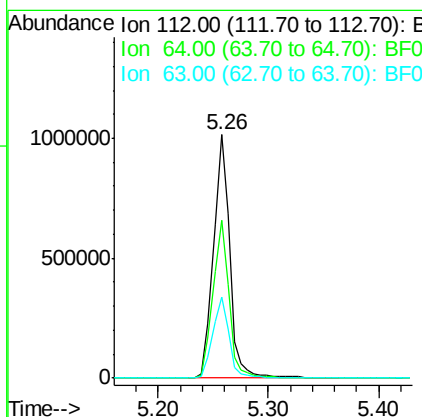
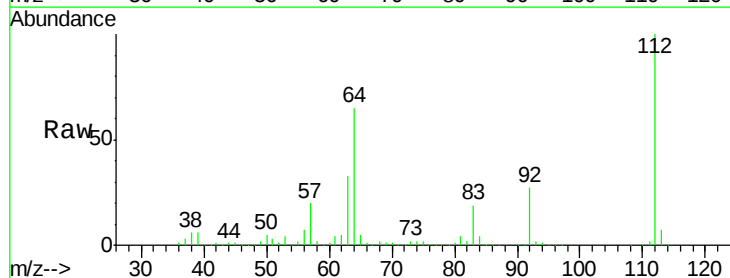
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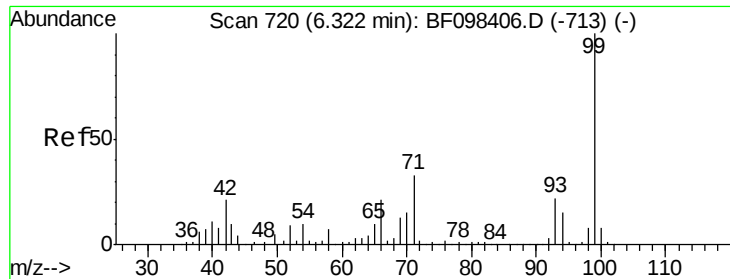
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#5
 2-Fluorophenol
 Concen: 107.591 ng
 RT: 5.26 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: BF098528.D
 Acq: 14 Sep 2017 14:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	46.0	69.0
63	33.3	23.4	35.0





#7

Phenol-d6

Concen: 106.200 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF098528.D

Acq: 14 Sep 2017 14:44

Instrument :

BNA_F

ClientSampled :

G-5-1

Tgt Ion: 99 Resp: 1291530

Ion Ratio Lower Upper

99 100

42 18.8 13.5 20.3

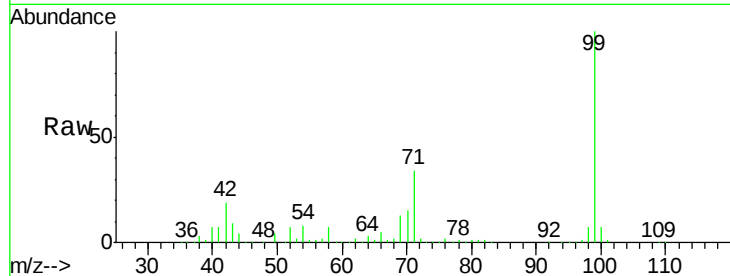
71 34.4 24.5 36.7

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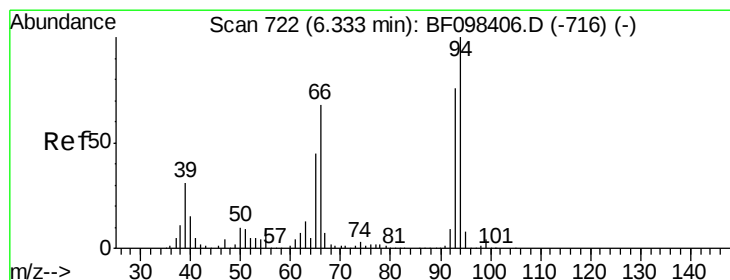
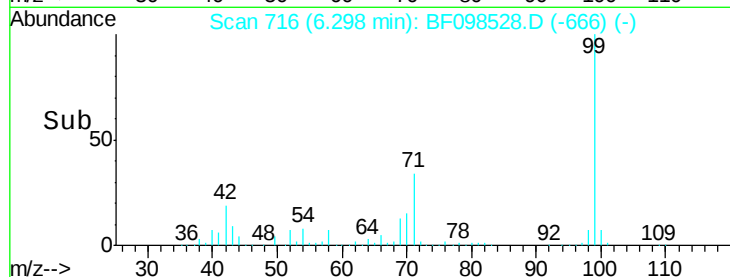
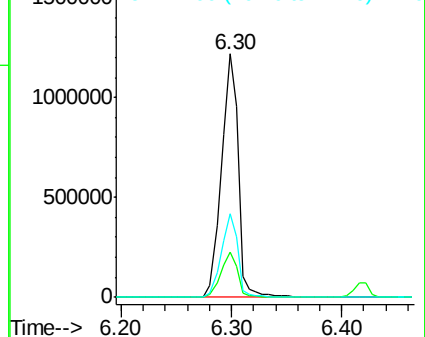
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.661 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098528.D

Acq: 14 Sep 2017 14:44

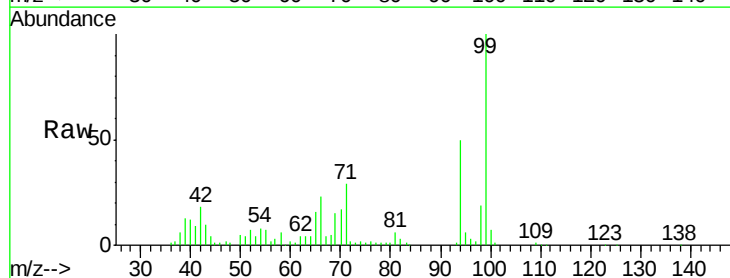
Tgt Ion: 94 Resp: 37591

Ion Ratio Lower Upper

94 100

65 32.5 9.9 49.9

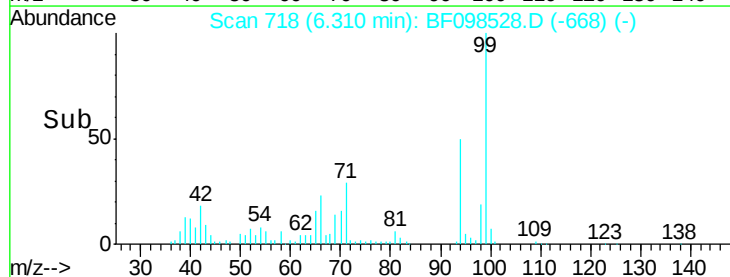
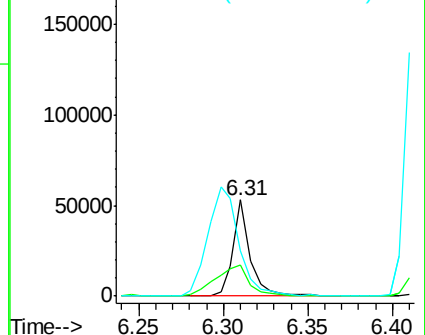
66 46.7 23.1 63.1

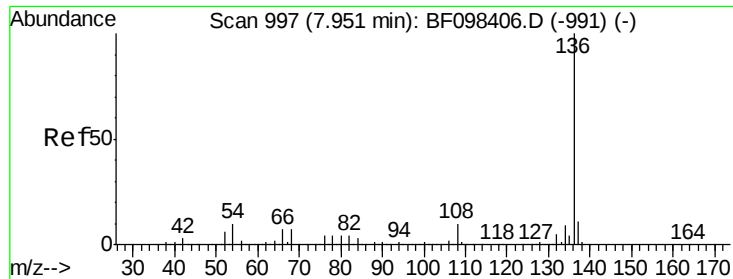


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





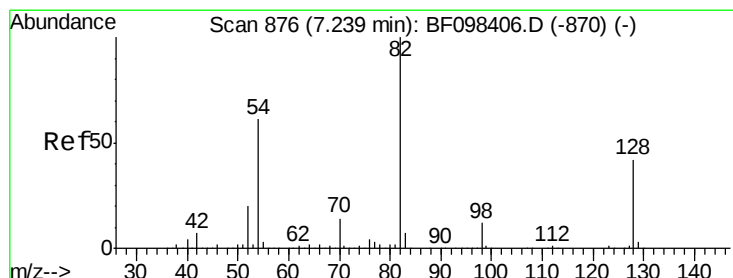
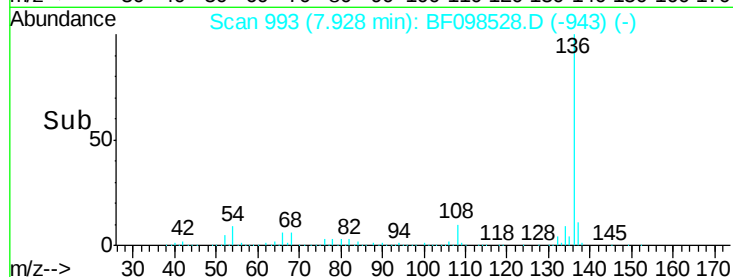
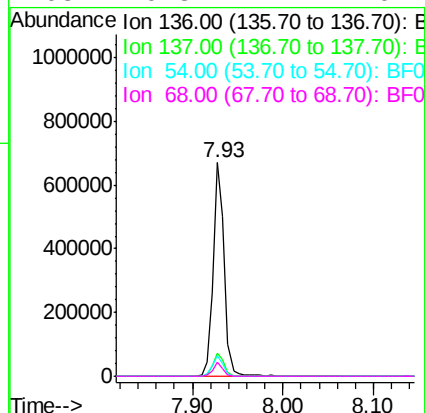
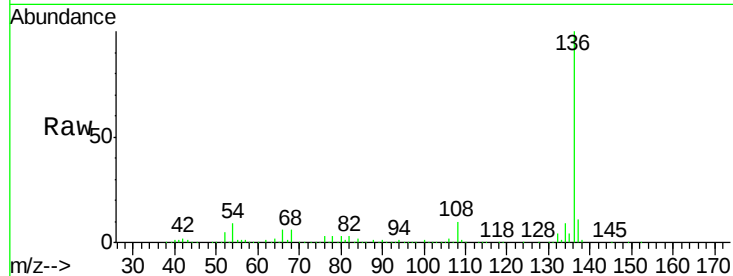
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Instrument :
BNA_F
ClientSampled :
G-5-1

Tgt Ion:	136	Resp:	576880
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	9.3	4.9	7.3#
68	6.3	4.1	6.1#

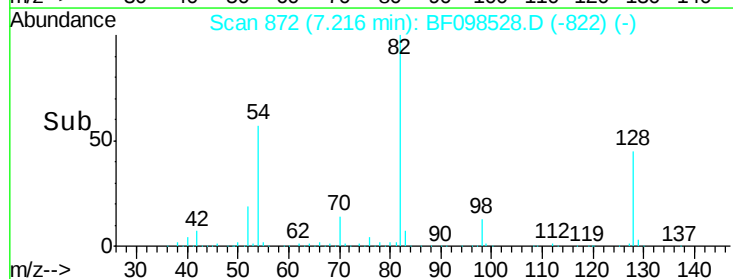
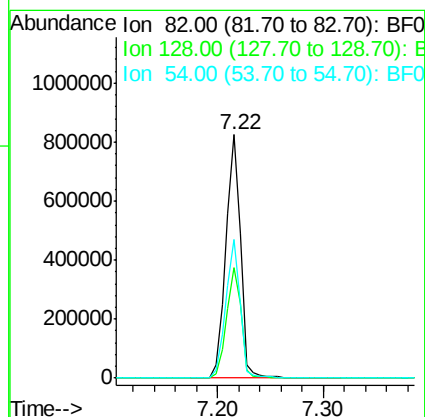
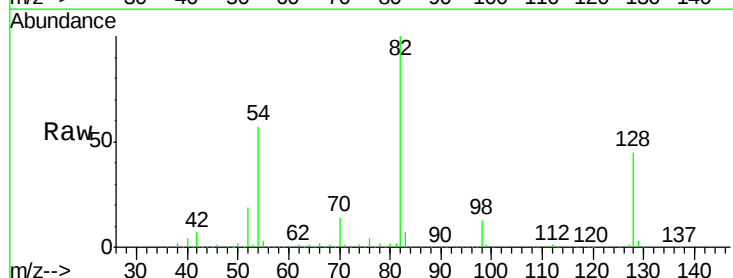
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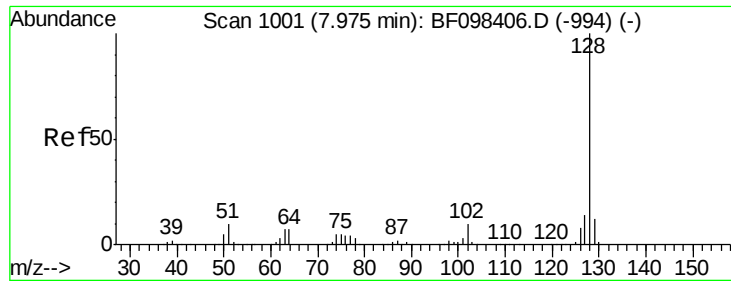
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#23
Nitrobenzene-d5
Concen: 77.503 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Tgt Ion:	82	Resp:	801978
Ion Ratio	Lower	Upper	
82	100		
128	45.1	34.0	51.0
54	56.8	42.2	63.2





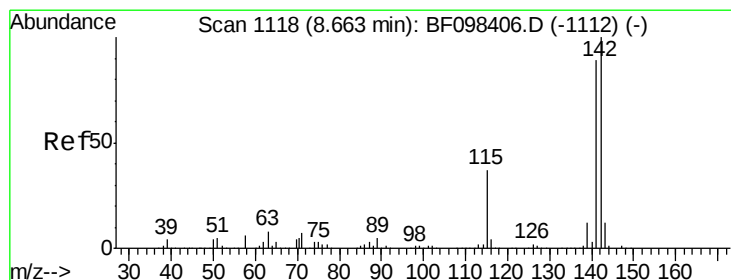
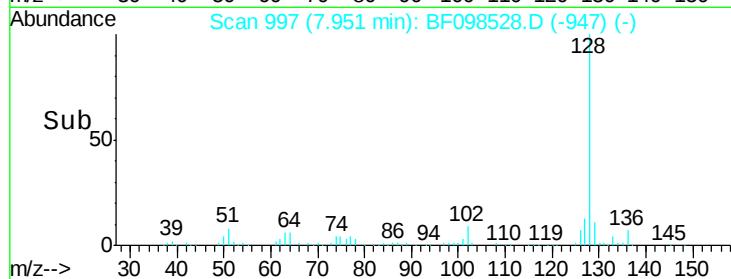
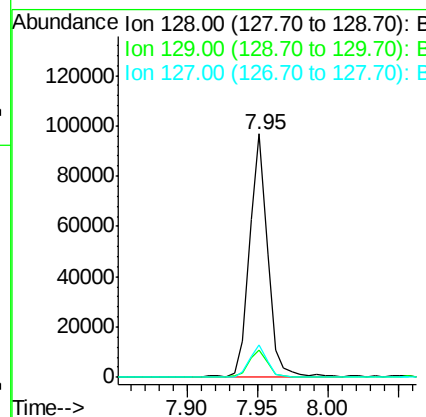
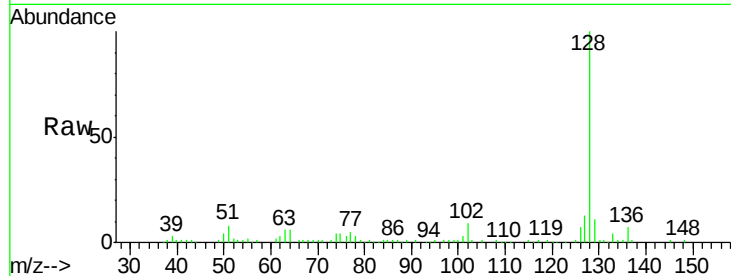
#31
Naphthalene
Concen: 3.071 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Instrument :
BNA_F
ClientSampleId :
G-5-1

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.4	10.8	16.2

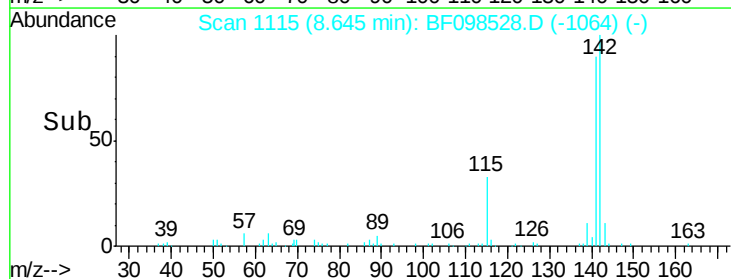
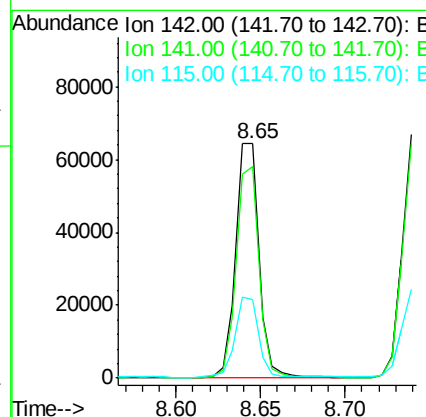
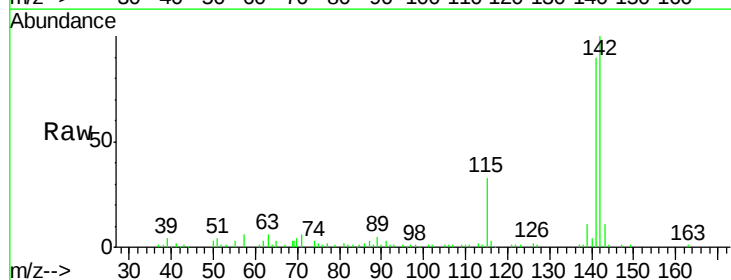
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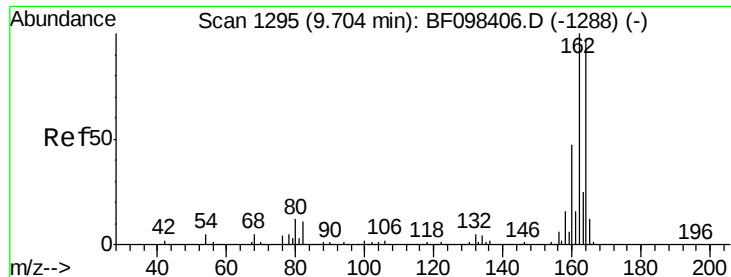
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#37
2-Methylnaphthalene
Concen: 3.583 ng
RT: 8.65 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.3	106.9
115	33.2	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF098528.D

Acq: 14 Sep 2017 14:44

Instrument :

BNA_F

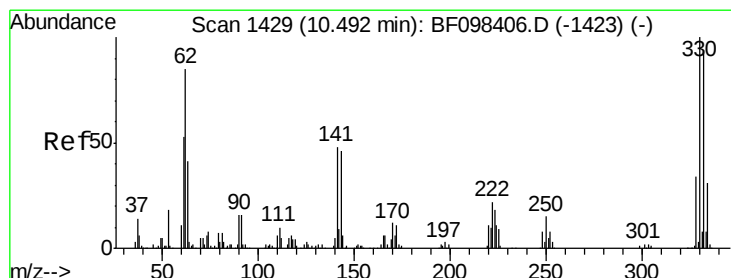
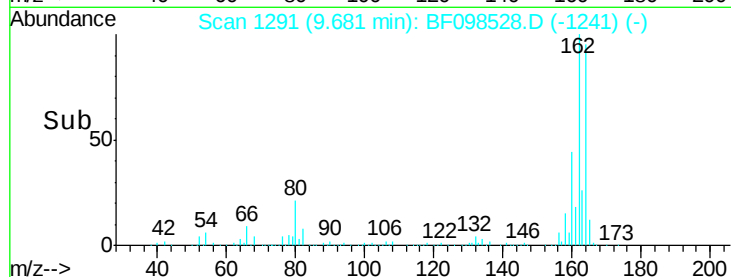
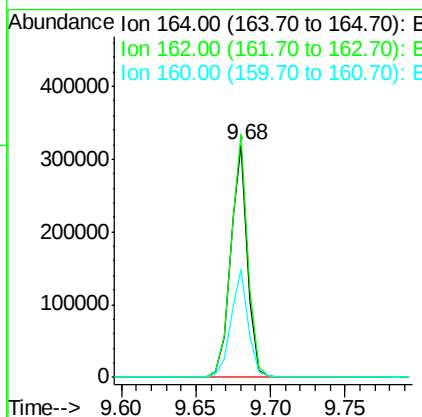
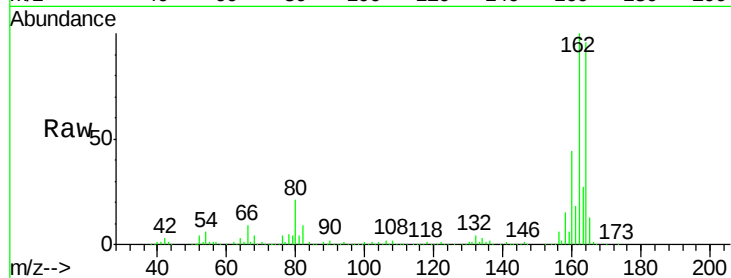
ClientSampled :

G-5-1

Tgt Ion:	164	Resp:	255664
Ion Ratio	Lower	Upper	
164	100		
162	104.6	82.6	123.8
160	46.4	36.2	54.2

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#41

2,4,6-Tribromophenol

Concen: 121.736 ng

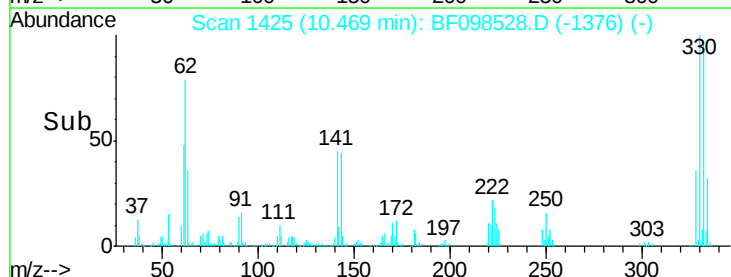
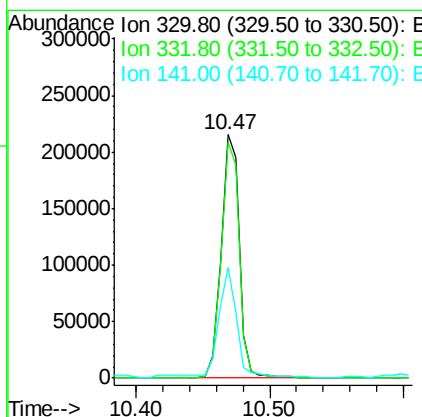
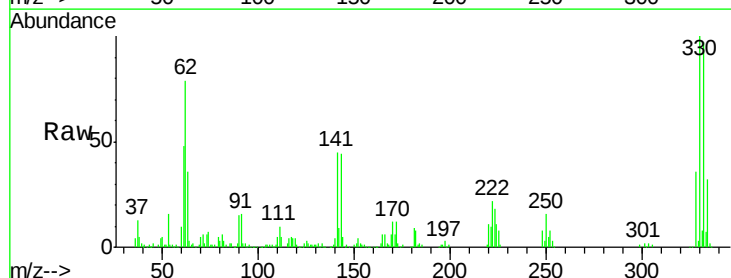
RT: 10.47 min Scan# 1425

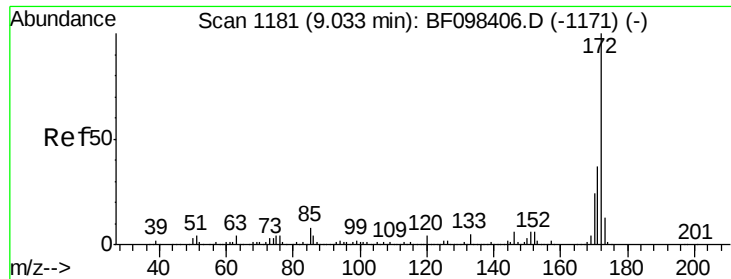
Delta R.T. -0.01 min

Lab File: BF098528.D

Acq: 14 Sep 2017 14:44

Tgt Ion:	330	Resp:	207724
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.6	115.0
141	44.0	31.4	47.2





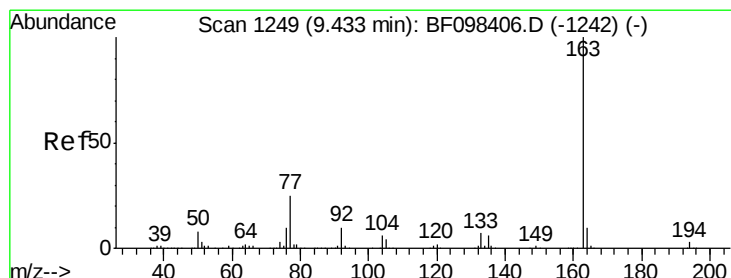
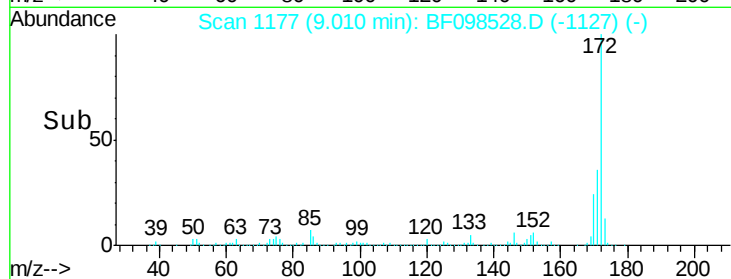
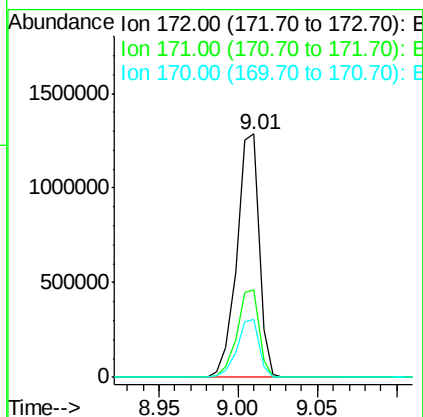
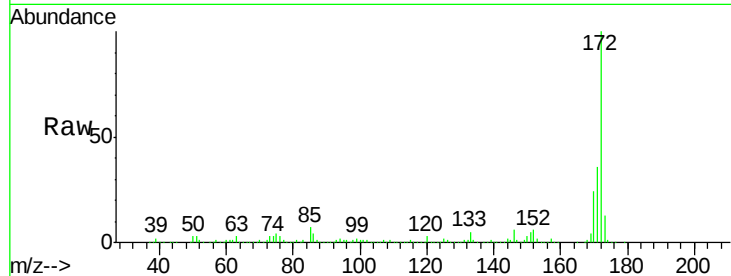
#44
2-Fluorobiphenyl
Concen: 83.524 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Instrument :
BNA_F
ClientSampleId :
G-5-1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.8	19.8	29.8

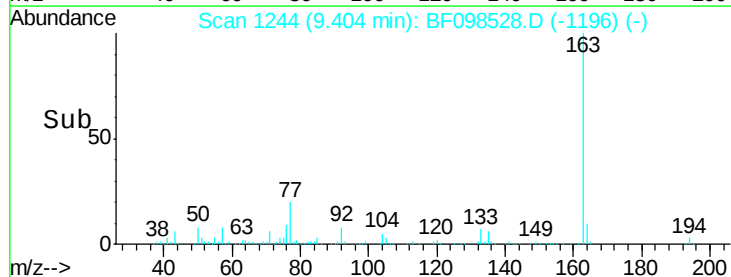
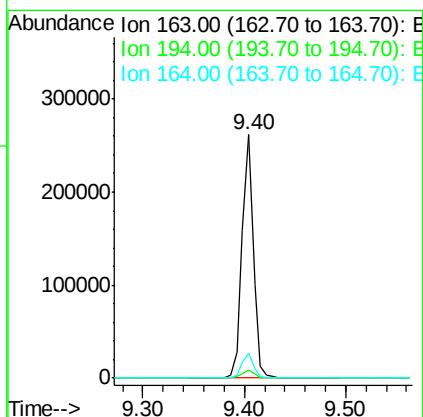
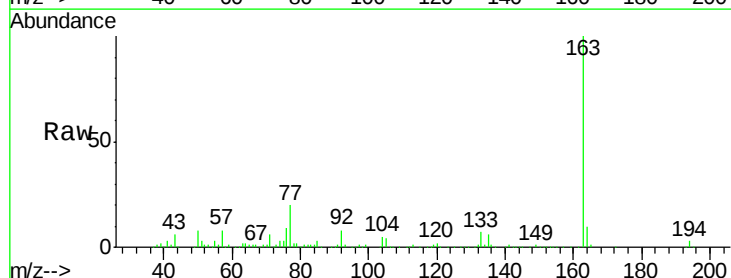
Manual Integrations
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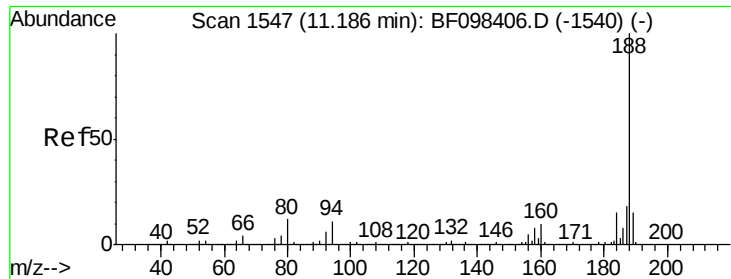
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#49
Dimethylphthalate
Concen: 10.344 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.9	8.4	12.6





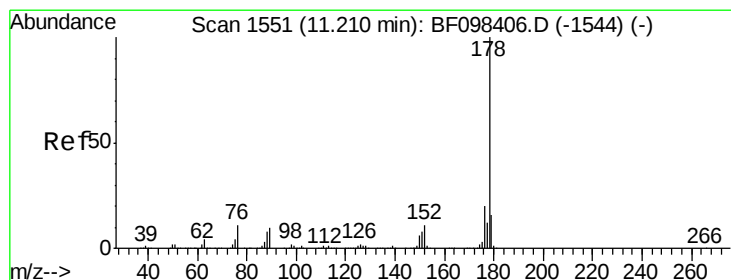
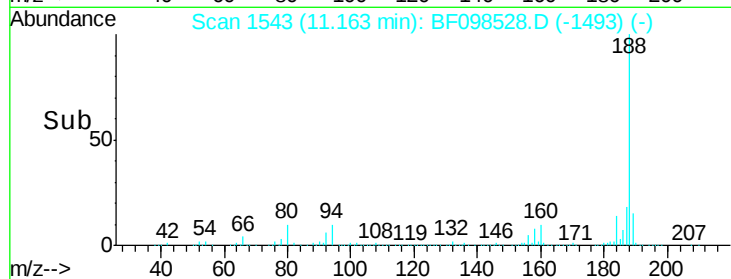
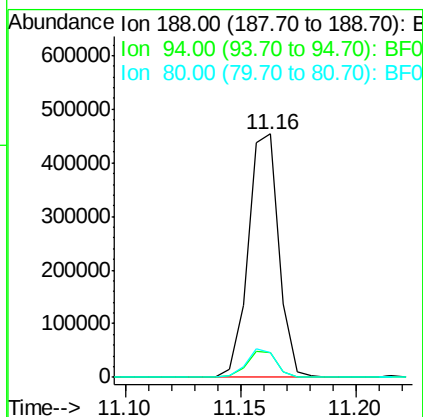
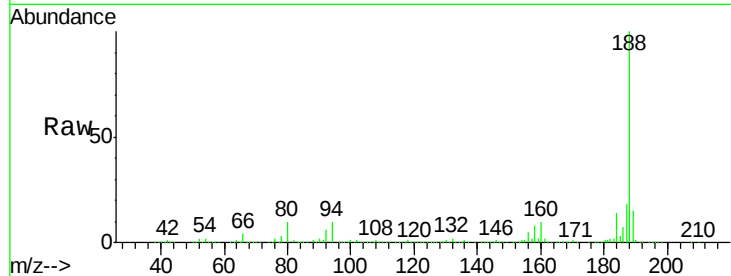
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Instrument :
BNA_F
ClientSampled :
G-5-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.0	9.4	14.2
80	10.0	10.2	15.2

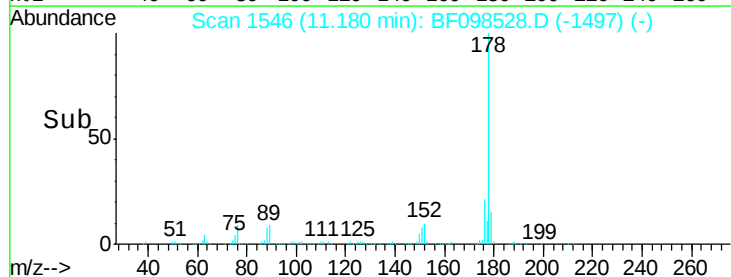
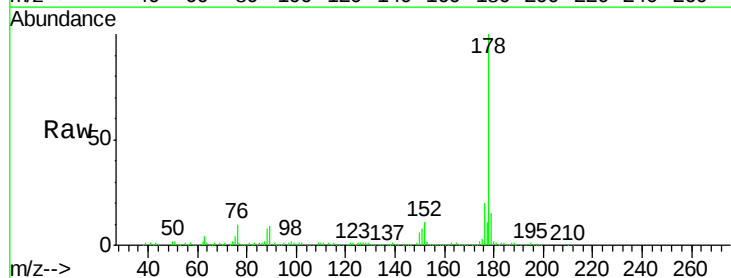
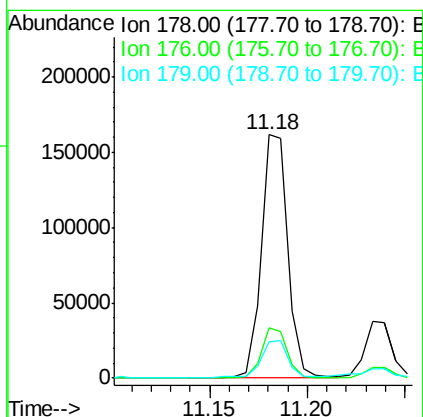
Manual Integrations
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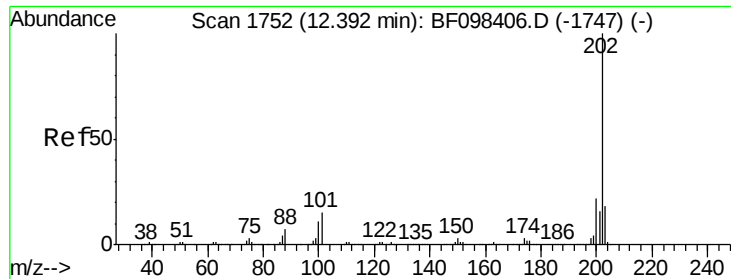
Sohil
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#70
Phenanthrene
Concen: 6.788 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.4	16.2	24.4
179	15.1	12.6	19.0





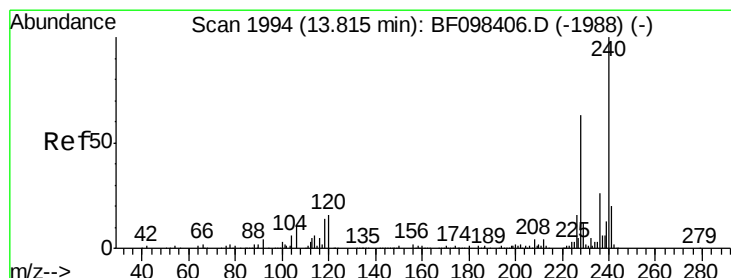
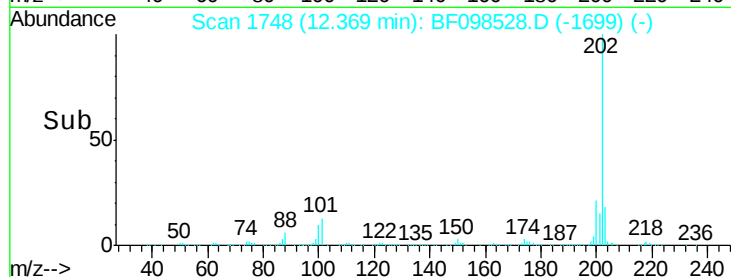
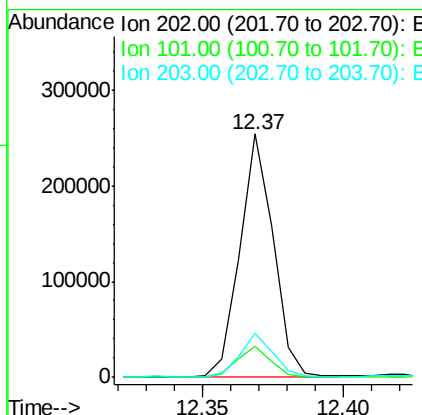
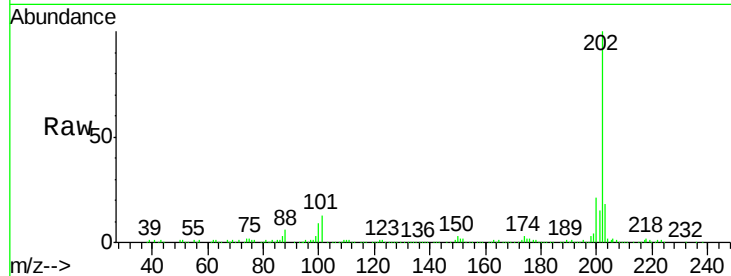
#74
 Fluoranthene
 Concen: 9.369 ng
 RT: 12.37 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BF098528.D
 Acq: 14 Sep 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :
 G-5-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.0	0.0	33.2
203	17.8	0.0	38.1

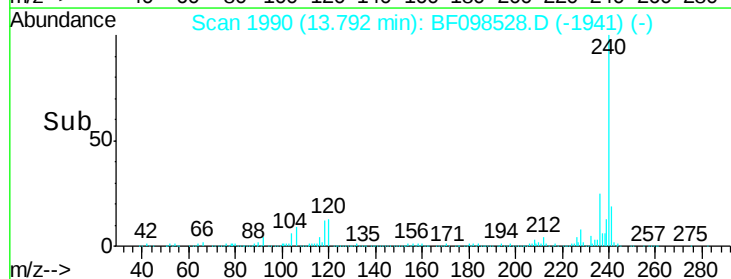
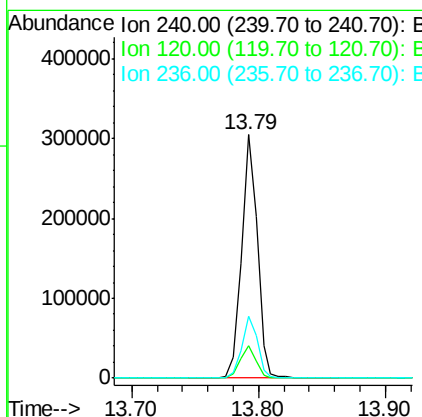
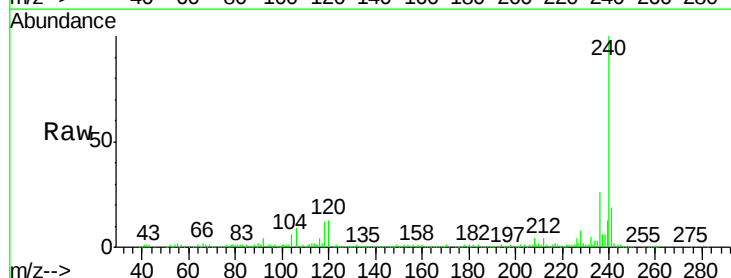
Manual Integrations
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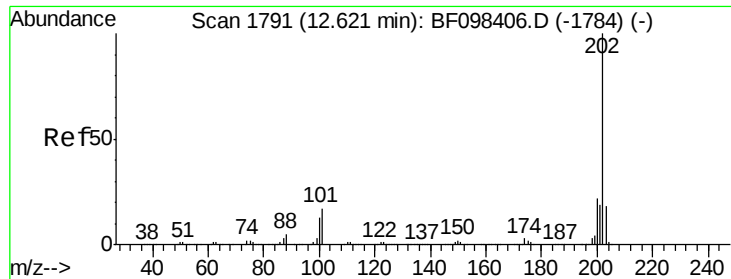
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BF098528.D
 Acq: 14 Sep 2017 14:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.1	5.8	8.8#
236	25.6	20.5	30.7





#77

Pyrene

Concen: 8.169 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF098528.D

Acq: 14 Sep 2017 14:44

Instrument :

BNA_F

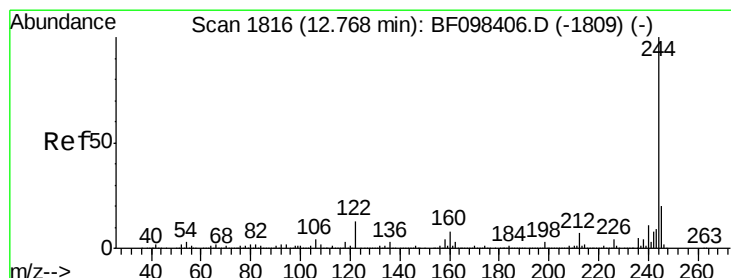
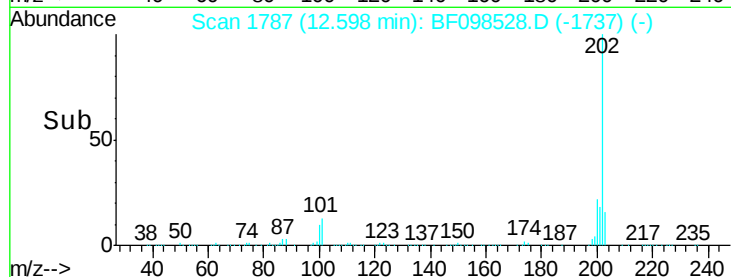
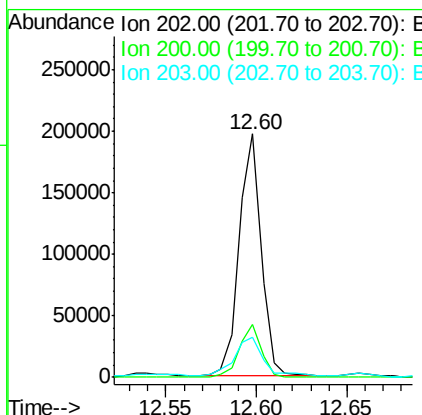
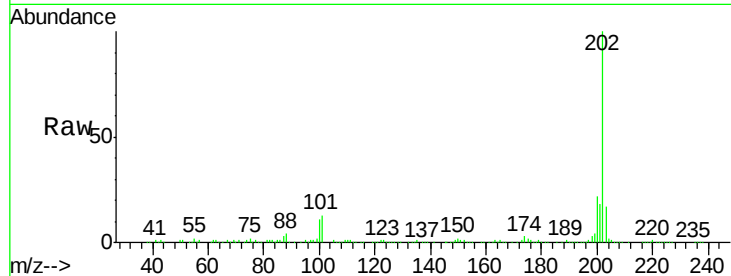
ClientSampled :

G-5-1

Tgt Ion:	202	Resp:	167011
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.6	26.4
203	16.6	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 63.670 ng

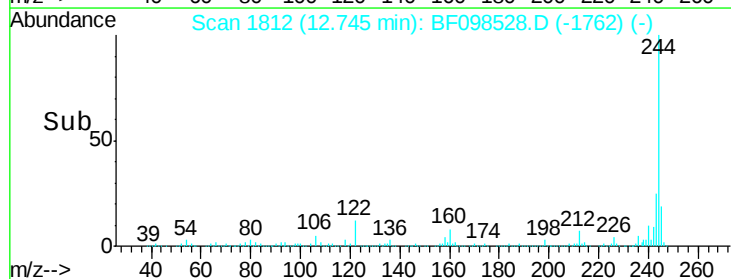
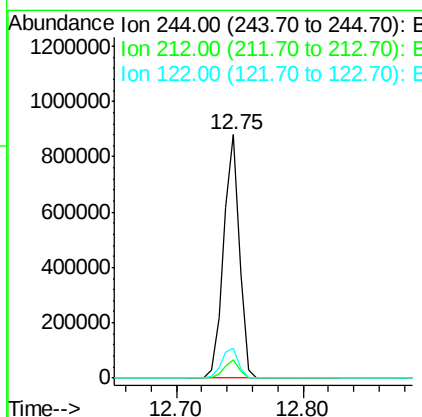
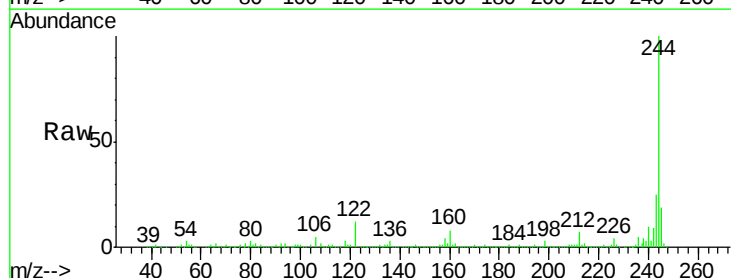
RT: 12.75 min Scan# 1812

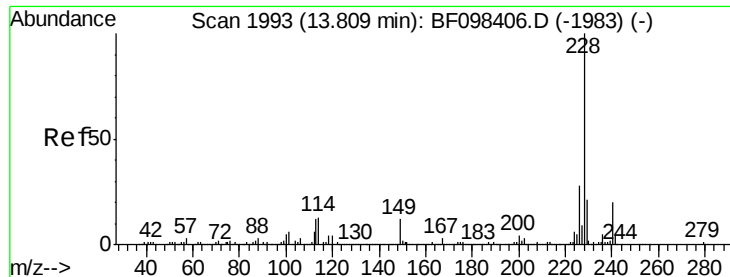
Delta R.T. -0.01 min

Lab File: BF098528.D

Acq: 14 Sep 2017 14:44

Tgt Ion:	244	Resp:	764436
Ion Ratio		Lower	Upper
244	100		
212	7.4	6.0	9.0
122	12.4	10.3	15.5





#80

Benzo(a)anthracene

Concen: 5.079 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF098528.D

Acq: 14 Sep 2017 14:44

Instrument :

BNA_F

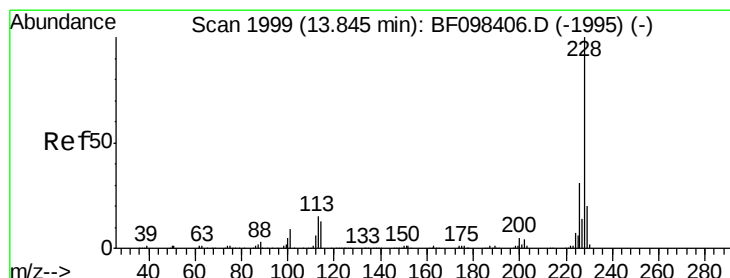
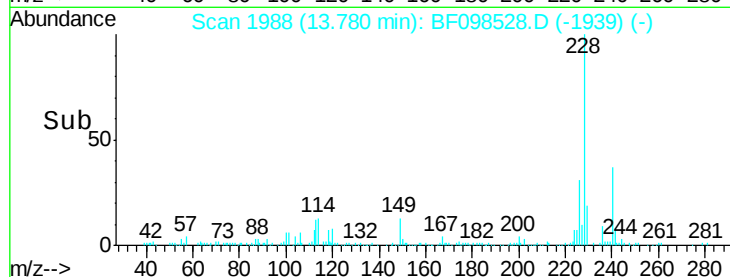
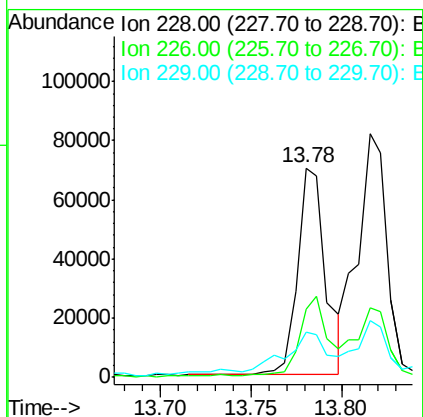
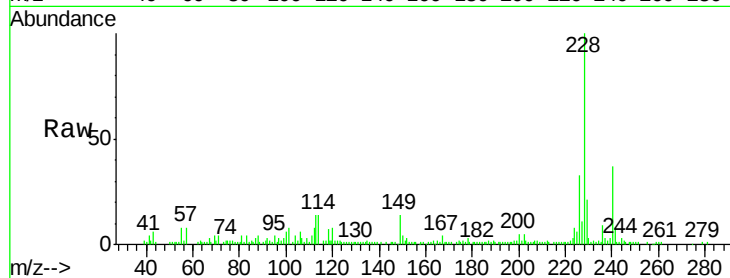
ClientSampleId :

G-5-1

Tgt Ion:	228	Resp:	77170
Ion Ratio	Lower	Upper	
228	100		
226	32.7	22.6	33.8
229	21.4	16.3	24.5

Manual Integrations
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#82

Chrysene

Concen: 6.017 ng

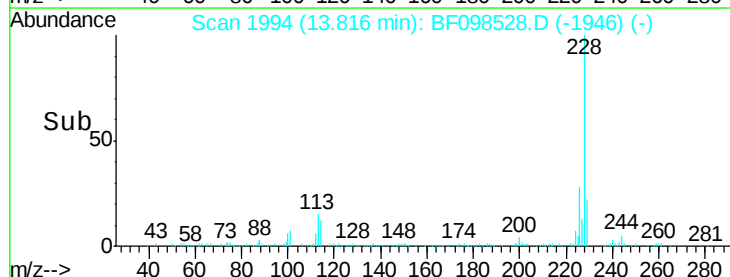
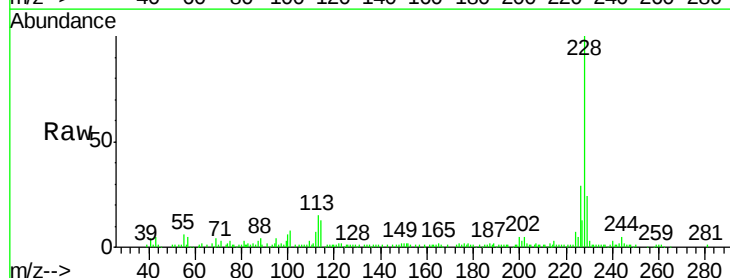
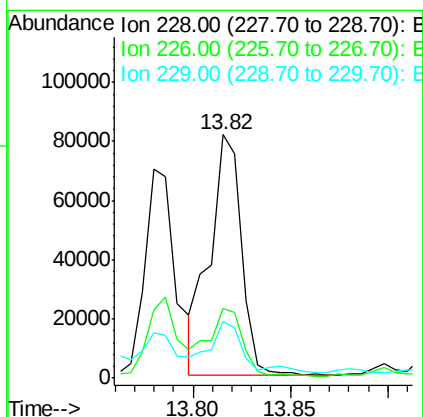
RT: 13.82 min Scan# 1994

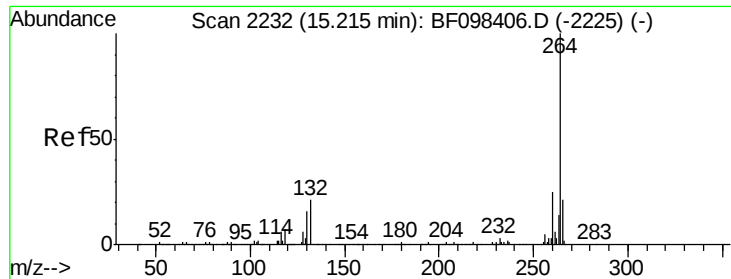
Delta R.T. -0.02 min

Lab File: BF098528.D

Acq: 14 Sep 2017 14:44

Tgt Ion:	228	Resp:	92411
Ion Ratio	Lower	Upper	
228	100		
226	28.7	24.9	37.3
229	23.5	15.8	23.6





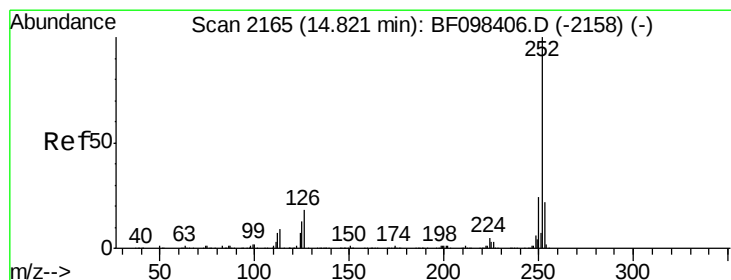
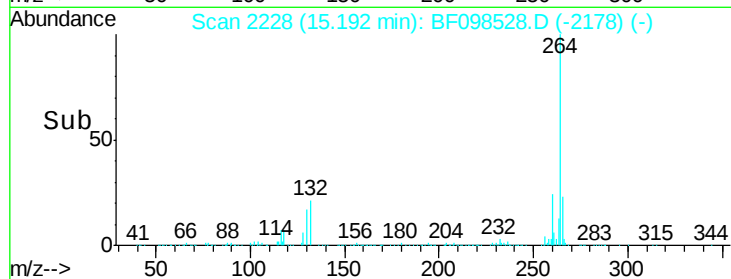
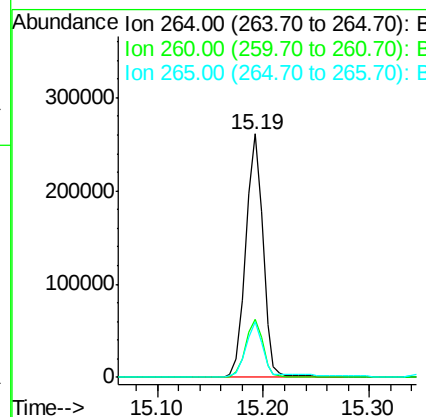
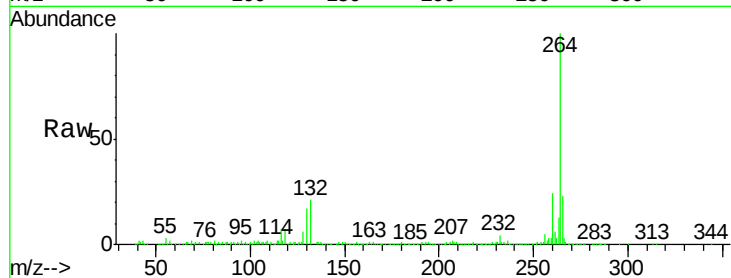
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Instrument :
BNA_F
ClientSampleId :
G-5-1

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	292347		
260	23.9	19.5	29.3	
265	22.8	17.2	25.8	

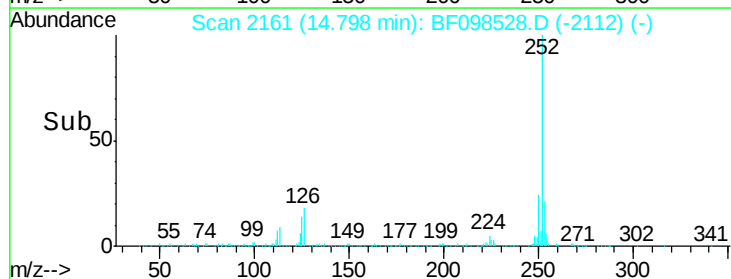
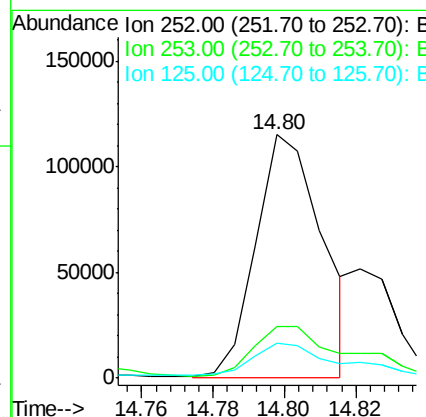
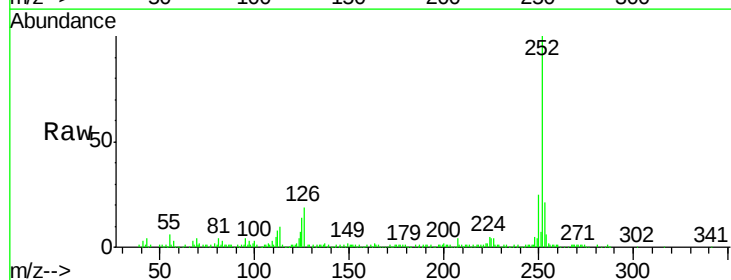
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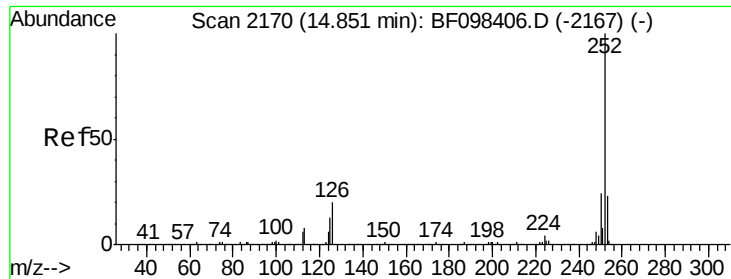
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#87
Benzo(b)fluoranthene
Concen: 8.085 ng m
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	148610		
253	21.2	18.1	27.1	
125	14.3	9.8	14.8	





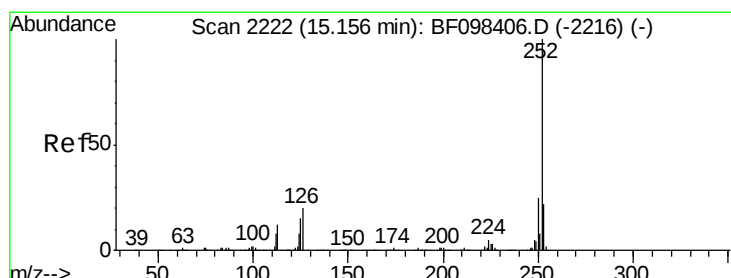
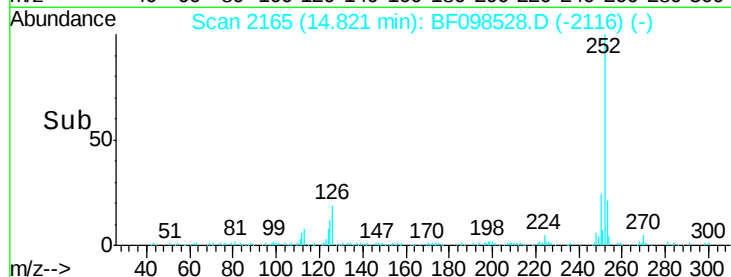
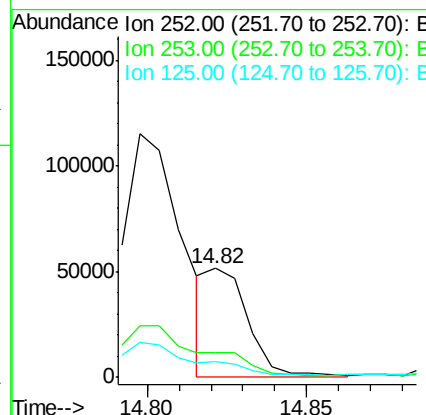
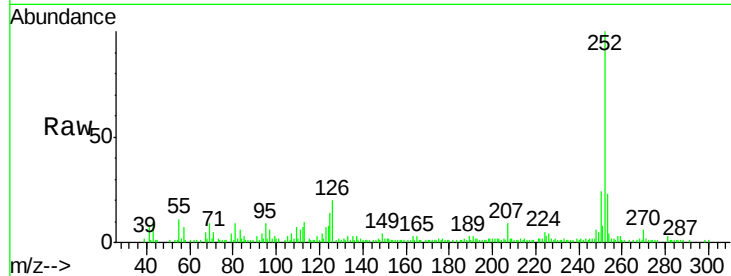
#88
Benzo(k)fluoranthene
Concen: 2.697 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Instrument :
BNA_F
ClientSampled :
G-5-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	14.3	13.1	19.7

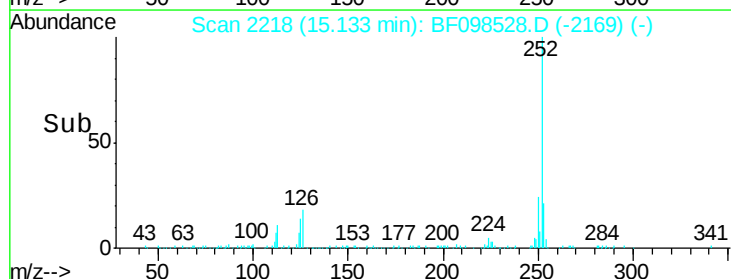
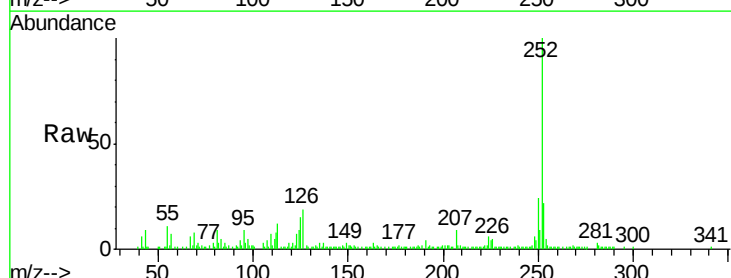
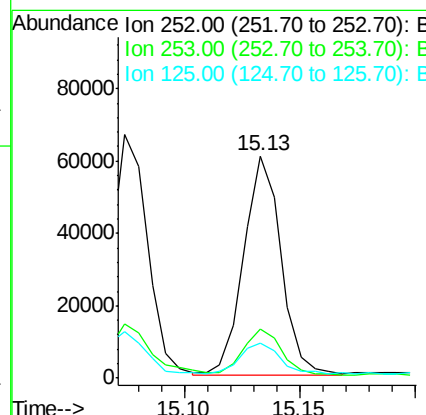
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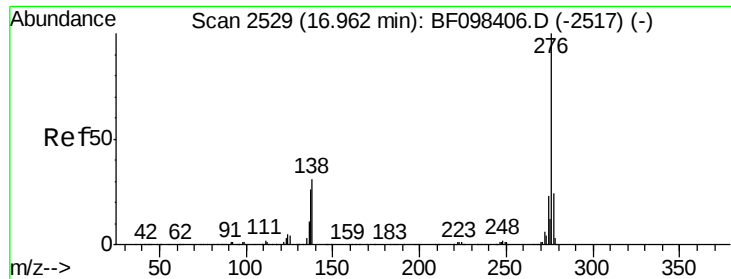
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#89
Benzo(a)pyrene
Concen: 4.212 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098528.D
Acq: 14 Sep 2017 14:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	15.5	11.0	16.4





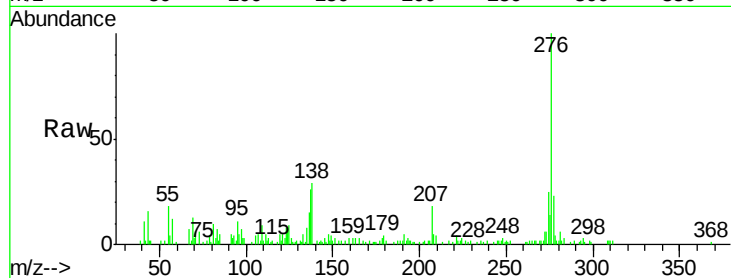
#91
 Benzo(g,h,i)perylene
 Concen: 4.266 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BF098528.D
 Acq: 14 Sep 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :
 G-5-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	29.3	25.4	38.0

Manual Integrations
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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

