

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098498.D
 Acq On : 13 Sep 2017 19:17
 Operator : SJ/JU
 Sample : I5182-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-3

Manual Integrations
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Sohil
 9/14/2017 5:52:39 PM

Quant Time: Sep 14 06:47:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	174411	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	712565	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	301678	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	482354	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	322176	20.00	ng	-0.01
86) Perylene-d12	15.20	264	328291	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1102224	93.44	ng	-0.01
7) Phenol-d6	6.31	99	1383064	92.34	ng	-0.01
23) Nitrobenzene-d5	7.23	82	867187	67.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	216886	107.72	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1345244	75.58	ng	-0.02
78) Terphenyl-d14	12.75	244	820503	54.97	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	54564	3.136	ng	Qvalue 88
49) Dimethylphthalate	9.41	163	185692	7.952	ng	100
70) Phenanthrene	11.19	178	603304	23.593	ng	98
71) Anthracene	11.25	178	159606	6.079	ng	97
74) Fluoranthene	12.38	202	904870	35.349	ng	99
77) Pyrene	12.61	202	836195	32.901	ng	98
80) Benzo(a)anthracene	13.79	228	428841	22.704	ng	98
82) Chrysene	13.83	228	372768	19.524	ng	96
85) Indeno(1,2,3-cd)pyrene	16.54	276	174896	13.056	ng	92
87) Benzo(b)fluoranthene	14.81	252	510560m	24.734	ng	
88) Benzo(k)fluoranthene	14.83	252	157933m	8.196	ng	
89) Benzo(a)pyrene	15.14	252	355220	19.316	ng	97
90) Dibenzo(a,h)anthracene	16.54	278	44946	3.360	ng	# 74
91) Benzo(g,h,i)perylene	16.94	276	157639	11.716	ng	95

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

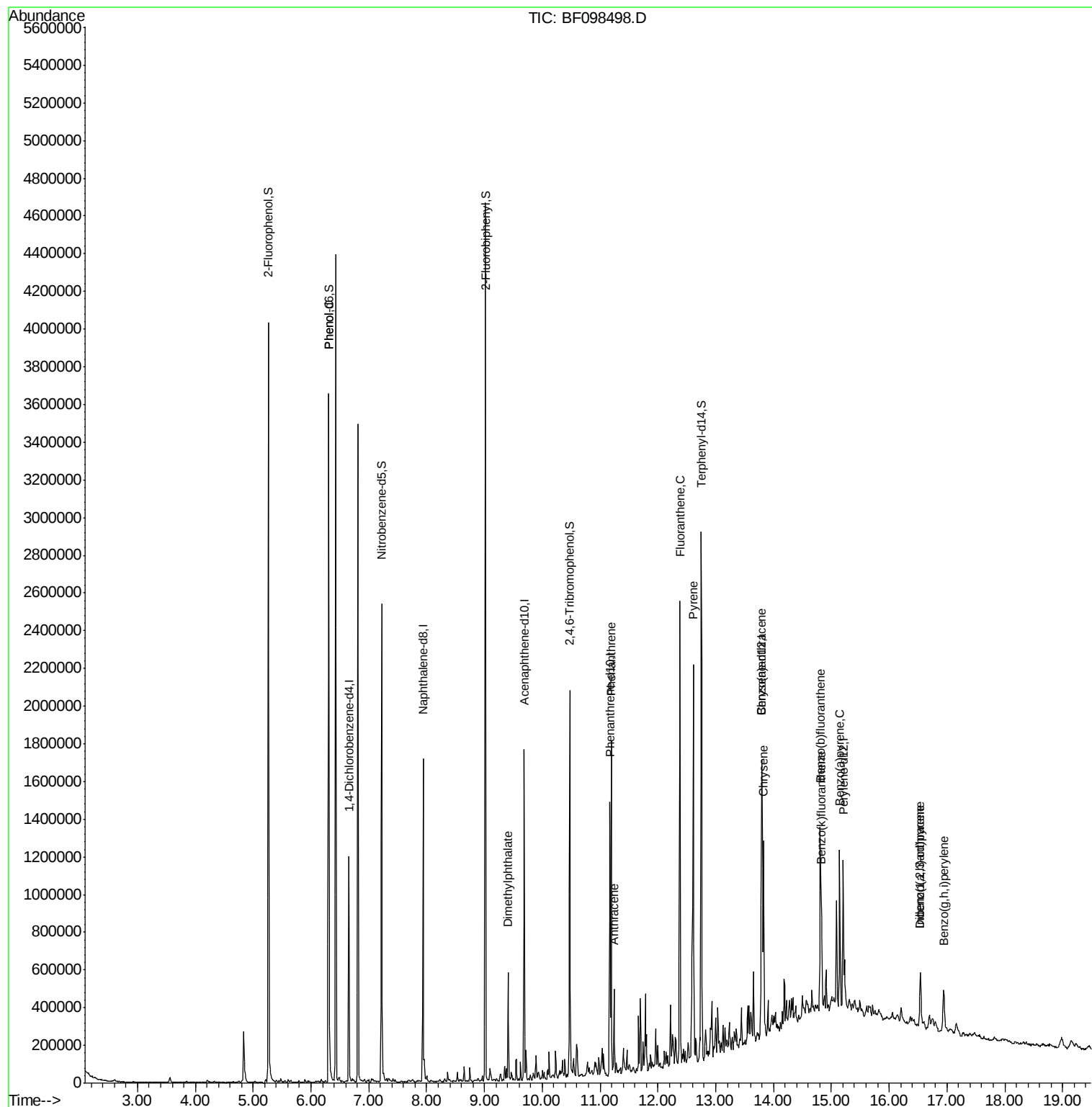
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
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ALS Vial : 16 Sample Multiplier: 1

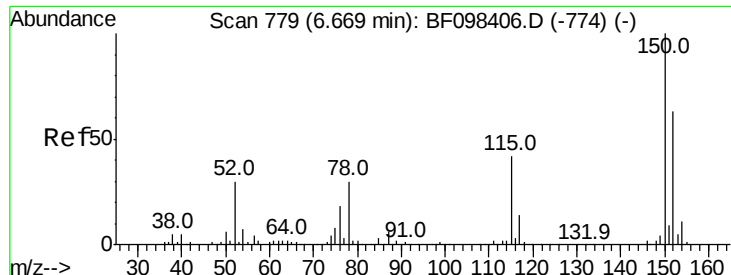
Instrument :
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G-3

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#1

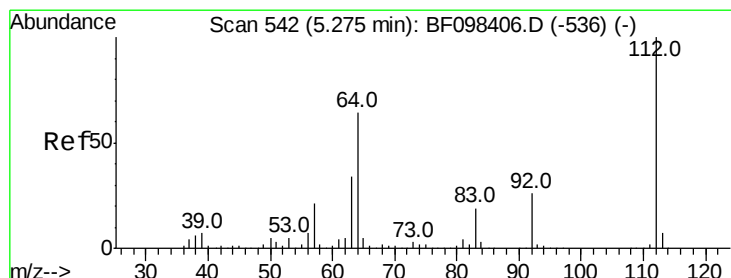
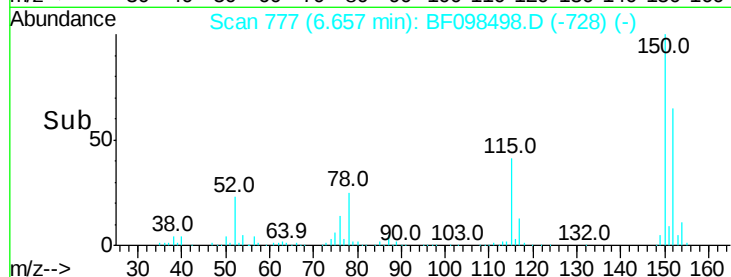
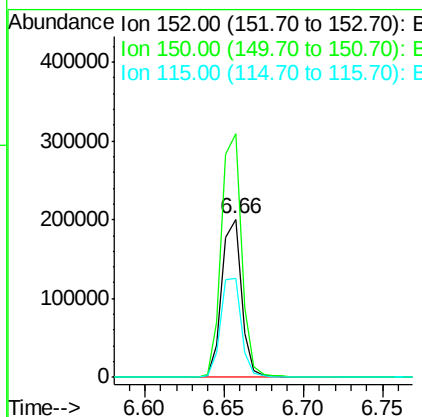
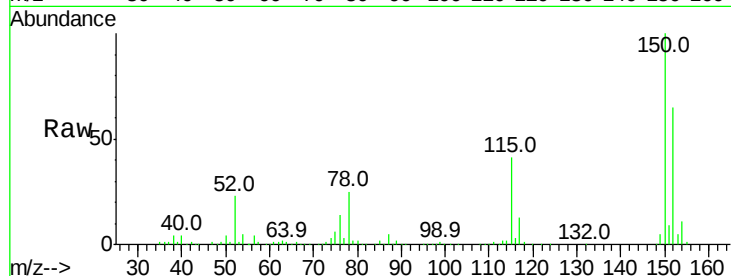
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Instrument :
BNA_F
ClientSampled :
G-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.2	189.2
115	62.4	52.2	78.2

Manual Integrations
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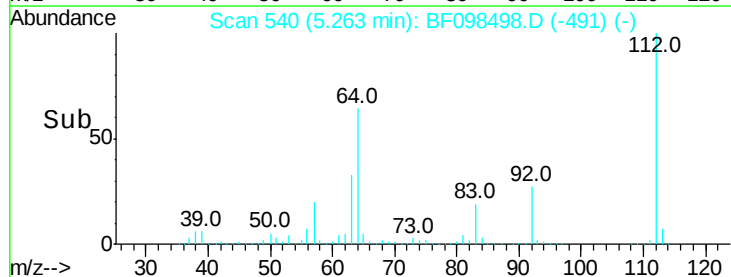
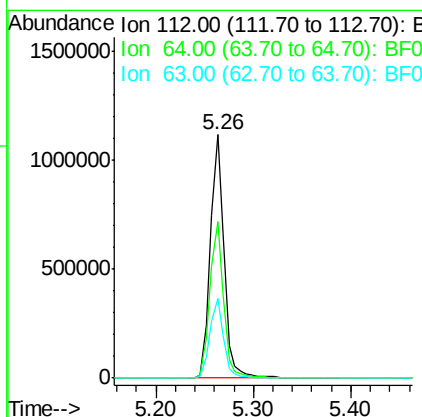
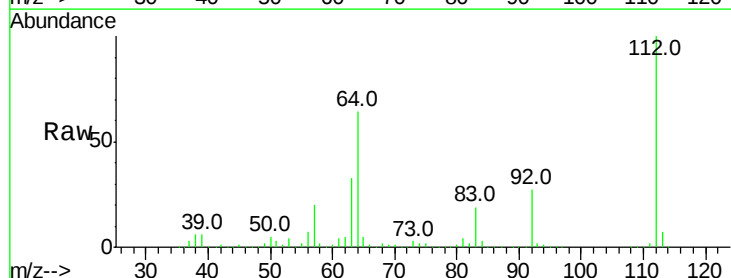
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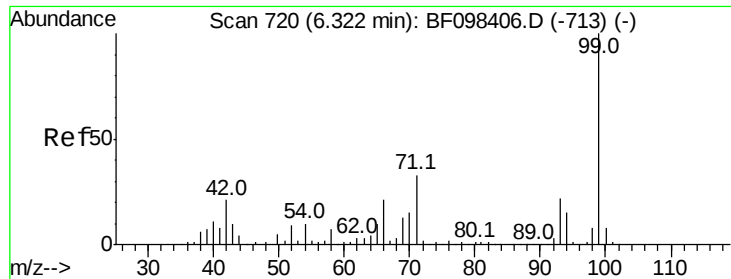


#5

2-Fluorophenol
Concen: 93.438 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	46.0	69.0
63	32.9	23.4	35.0





#7

Phenol-d6

Concen: 92.344 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098498.D

Acq: 13 Sep 2017 19:17

Instrument :

BNA_F

ClientSampled :

G-3

Tot Ion: 99 Resp: 1383064

Ion Ratio Lower Upper

99 100

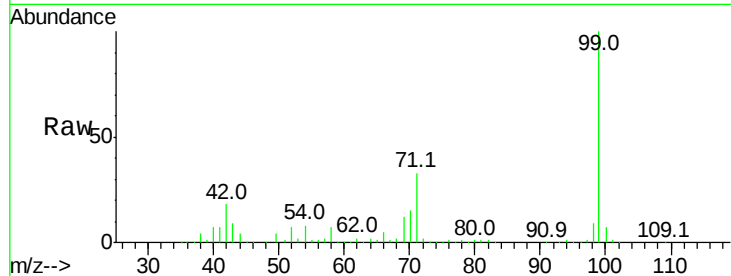
42 17.8 13.5 20.3

71 32.8 24.5 36.7

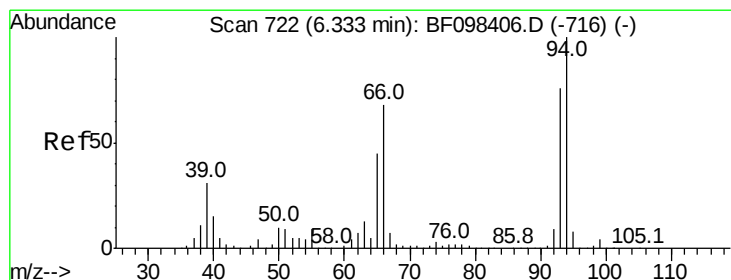
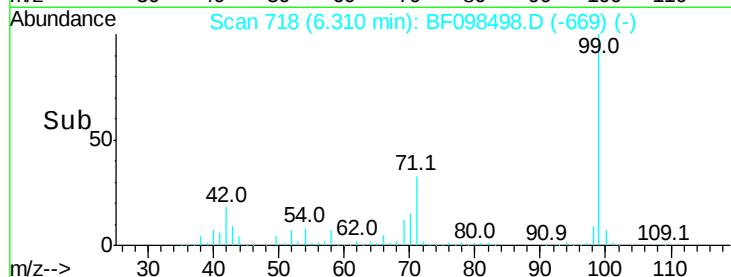
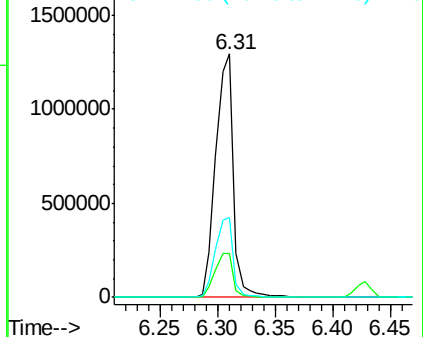
Manual Integrations
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.136 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.02 min

Lab File: BF098498.D

Acq: 13 Sep 2017 19:17

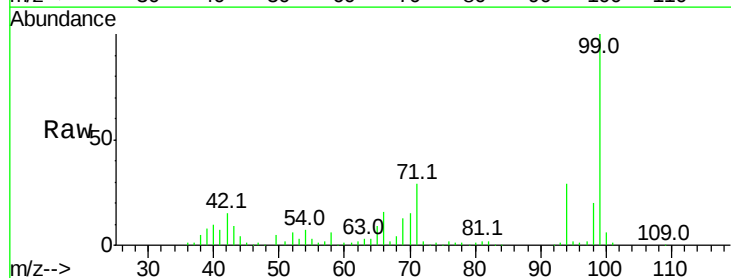
Tgt Ion: 94 Resp: 54564

Ion Ratio Lower Upper

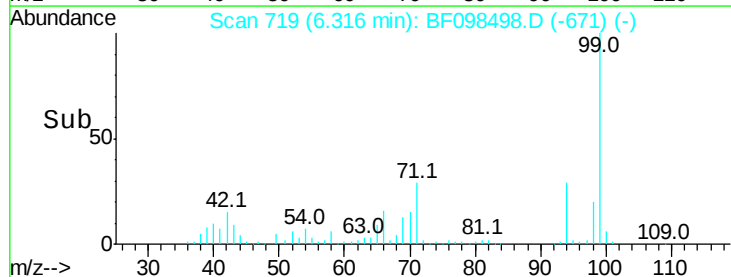
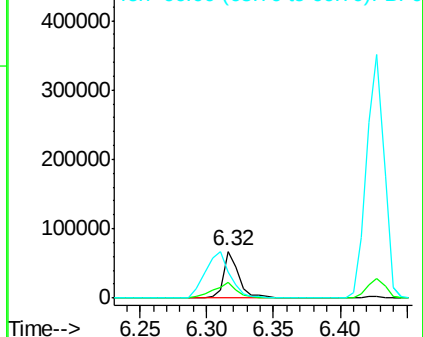
94 100

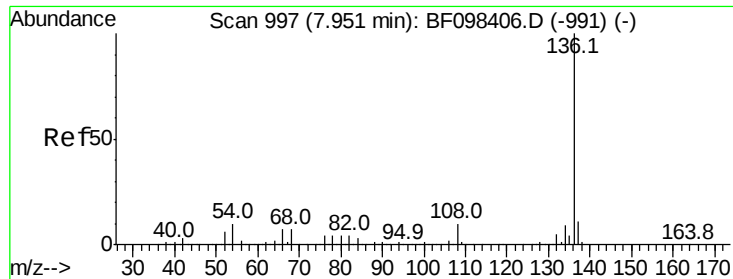
65 32.6 9.9 49.9

66 54.2 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





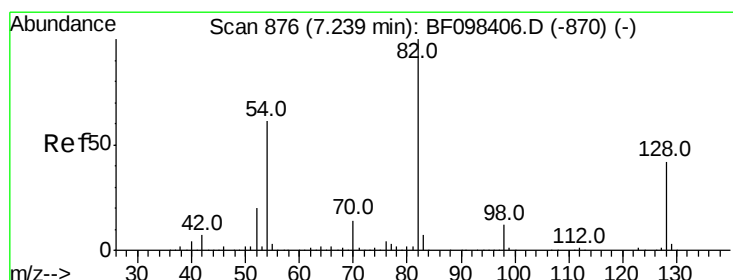
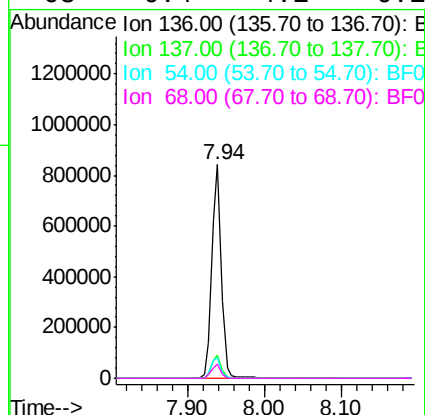
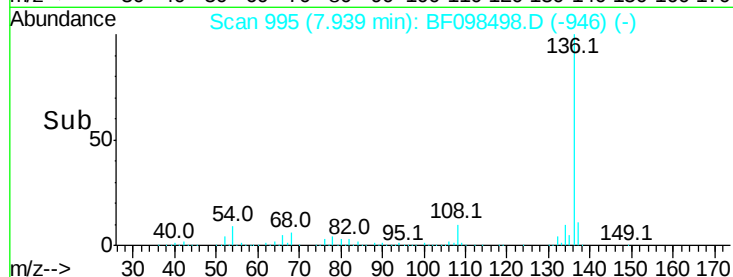
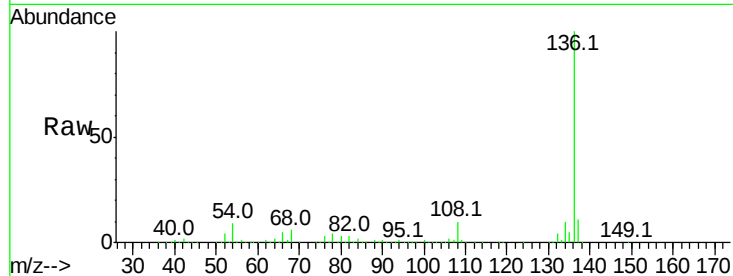
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Instrument :
BNA_F
ClientSampleId :
G-3

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.4	4.9	7.3#
68	6.4	4.1	6.1#

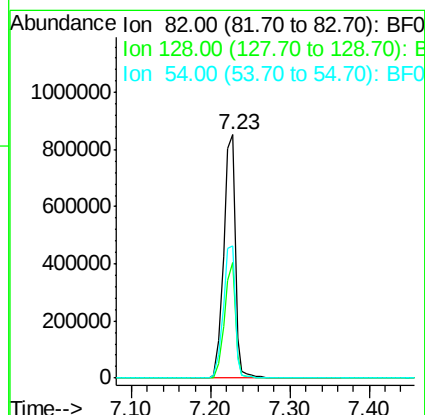
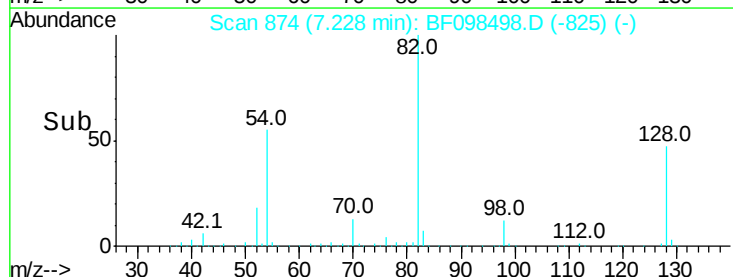
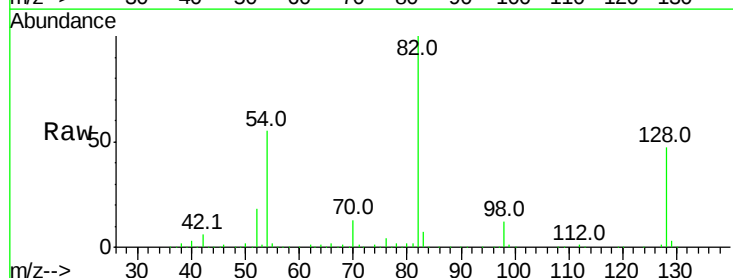
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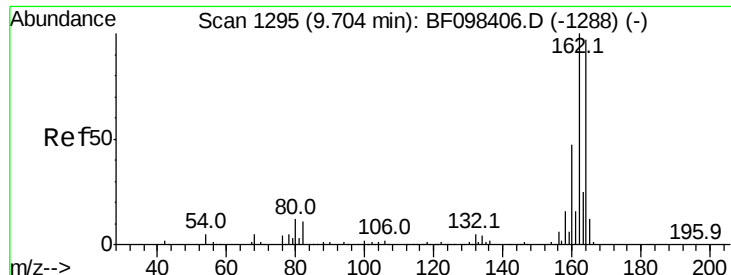
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#23
Nitrobenzene-d5
Concen: 67.847 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.5	34.0	51.0
54	54.6	42.2	63.2





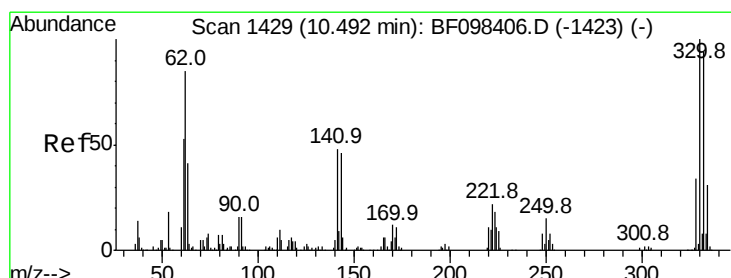
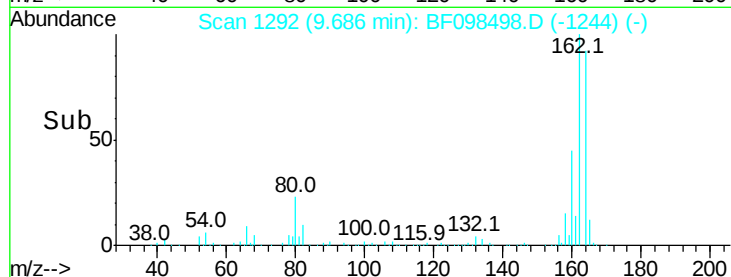
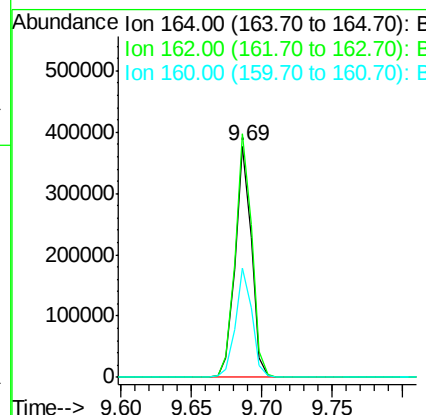
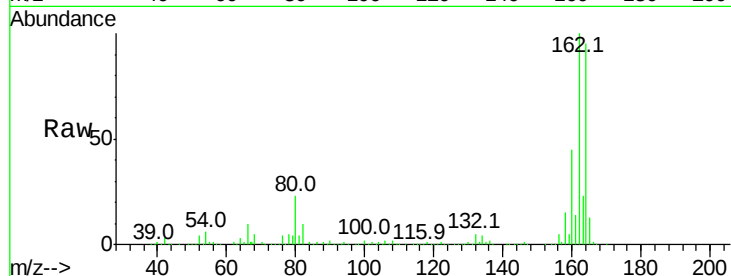
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098498.D
 Acq: 13 Sep 2017 19:17

Instrument :
 BNA_F
 ClientSampled :
 G-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100	301678		
162	105.3	82.6	123.8	
160	47.5	36.2	54.2	

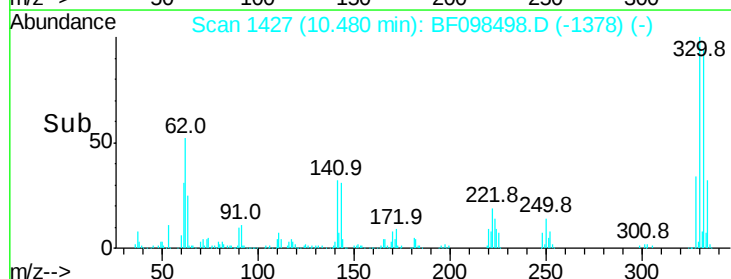
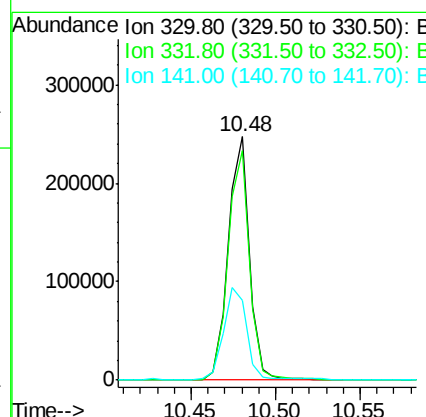
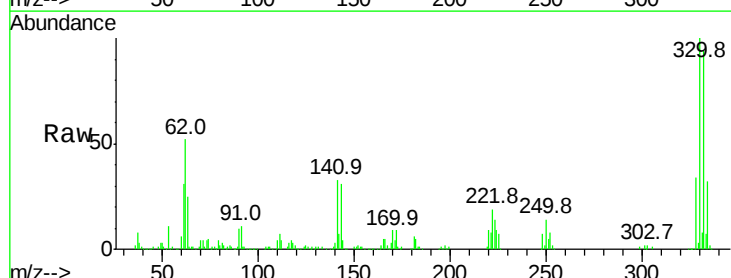
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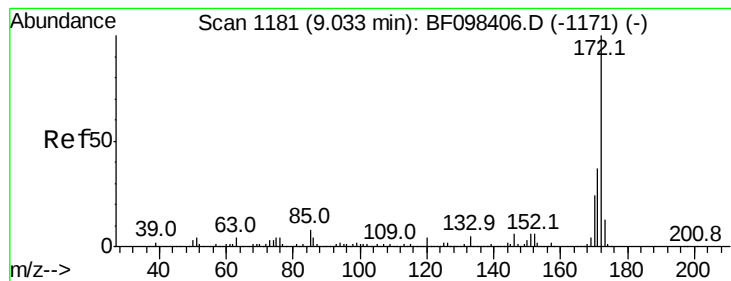
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#41
 2,4,6-Tribromophenol
 Concen: 107.718 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098498.D
 Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	216886		
332	95.6	76.6	115.0	
141	41.8	31.4	47.2	





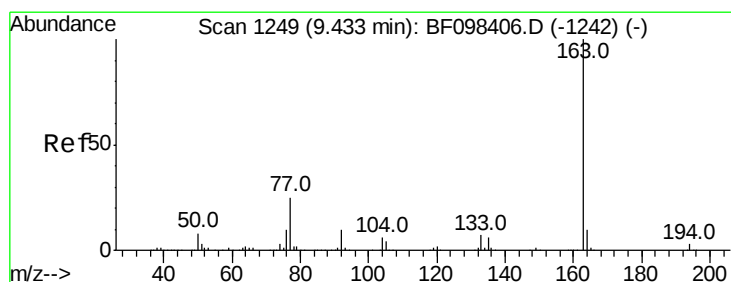
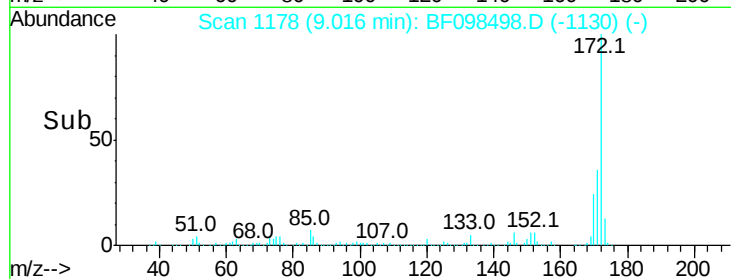
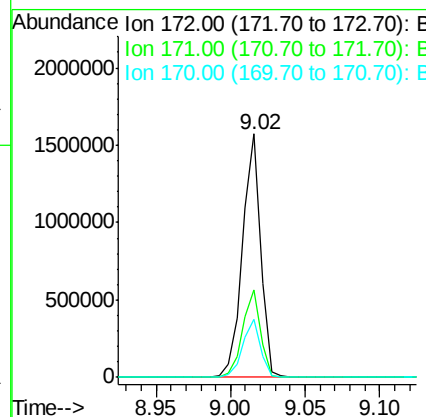
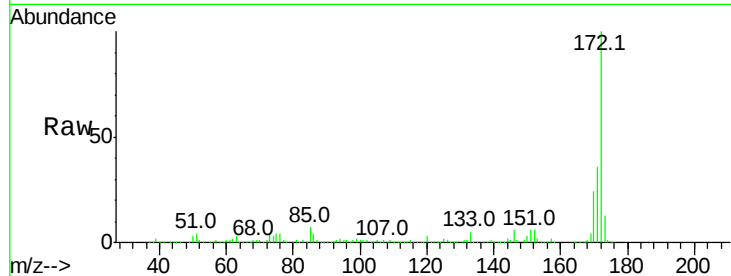
#44
2-Fluorobiphenyl
Concen: 75.580 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Instrument :
BNA_F
ClientSampleId :
G-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.7	19.8	29.8

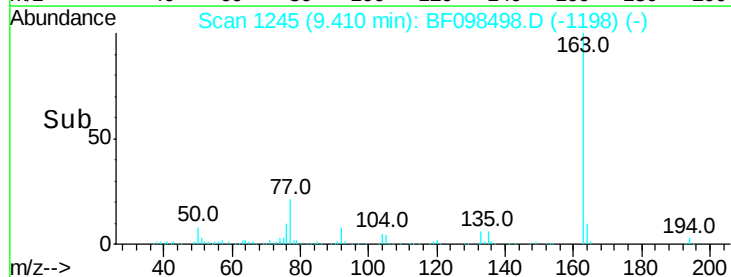
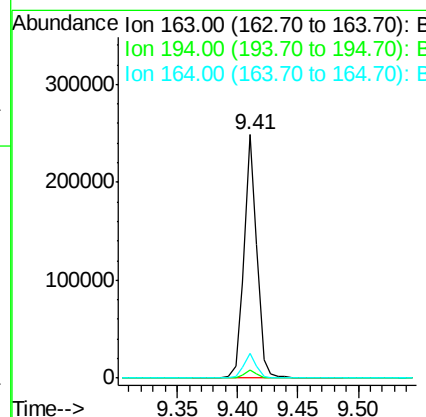
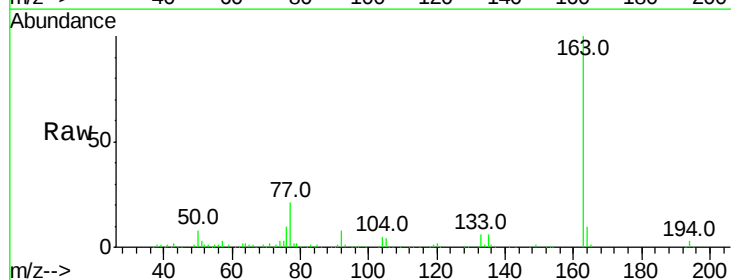
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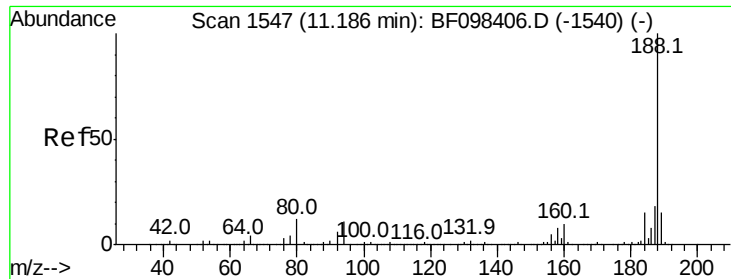
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#49
Dimethylphthalate
Concen: 7.952 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.3	8.4	12.6





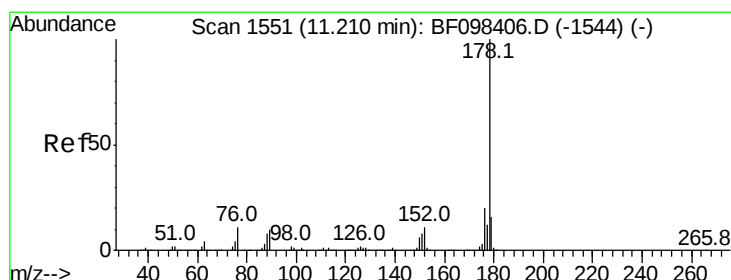
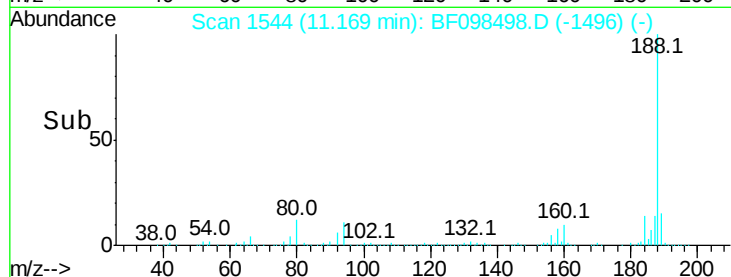
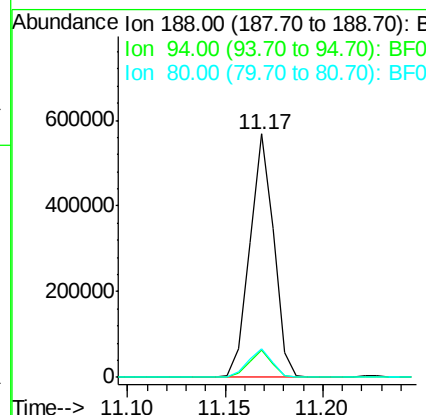
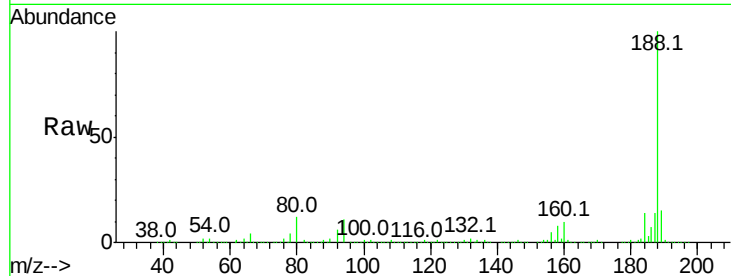
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.02 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Instrument :
BNA_F
ClientSampleId :
G-3

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.0	9.4	14.2
80	11.6	10.2	15.2

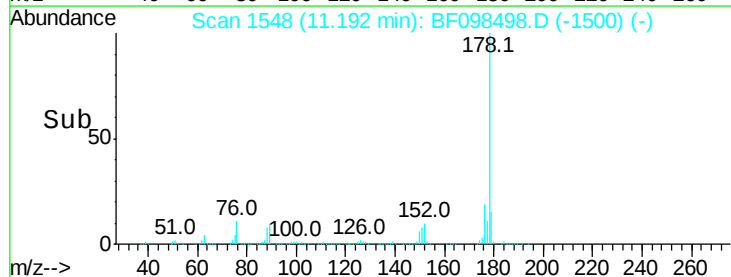
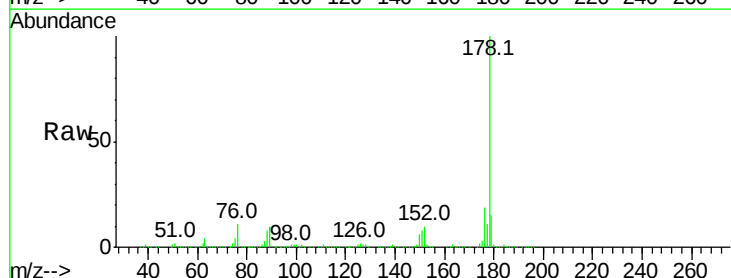
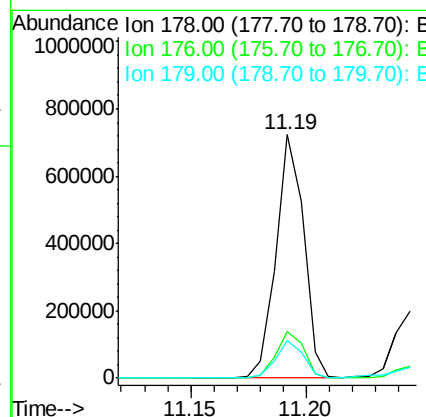
Manual Integrations
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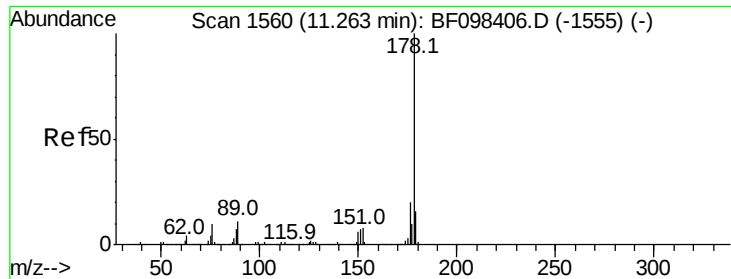
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#70
Phenanthrene
Concen: 23.593 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	16.2	24.4
179	15.2	12.6	19.0





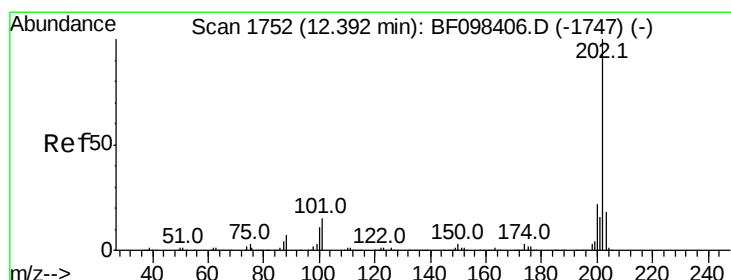
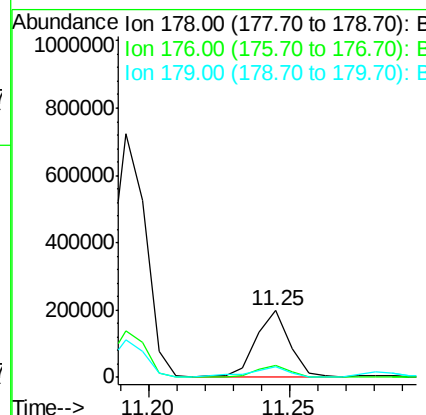
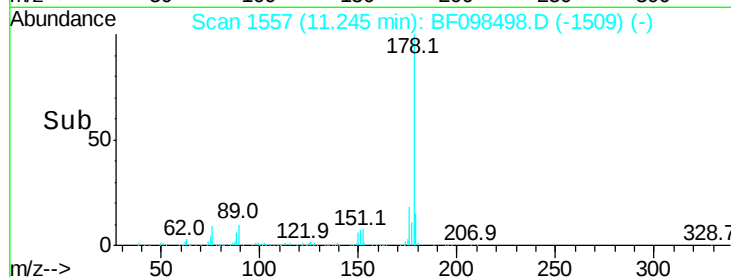
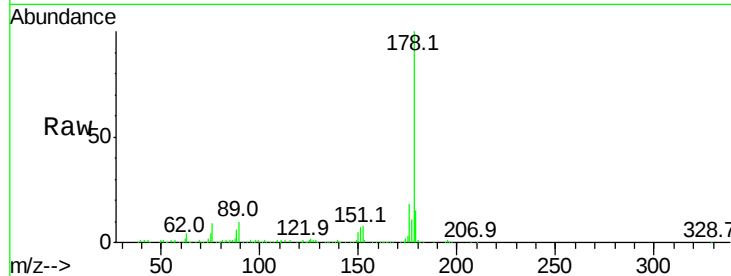
#71
 Anthracene
 Concen: 6.079 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF098498.D
 Acq: 13 Sep 2017 19:17

Instrument :
 BNA_F
 ClientSampled :
 G-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	15.4	12.7	19.1

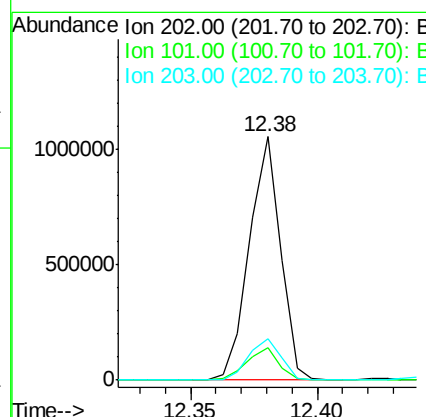
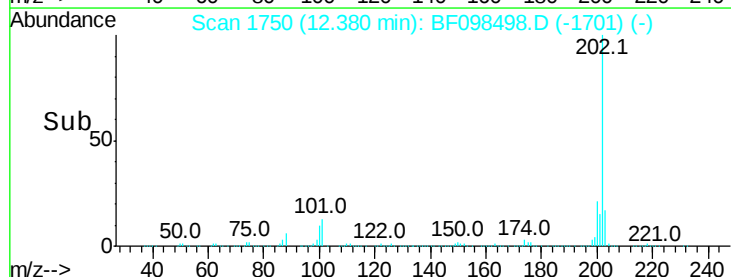
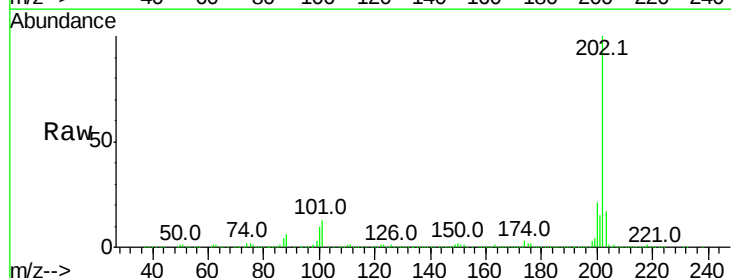
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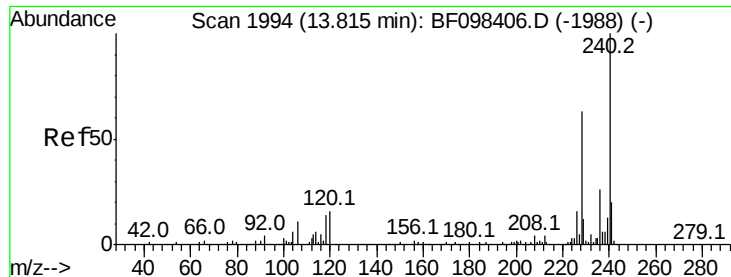
Sohil
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#74
 Fluoranthene
 Concen: 35.349 ng
 RT: 12.38 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BF098498.D
 Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098498.D

Acq: 13 Sep 2017 19:17

Instrument :

BNA_F

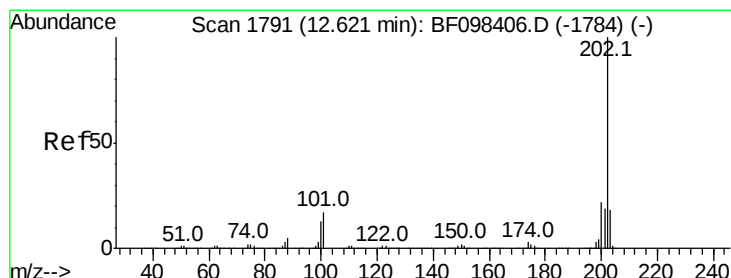
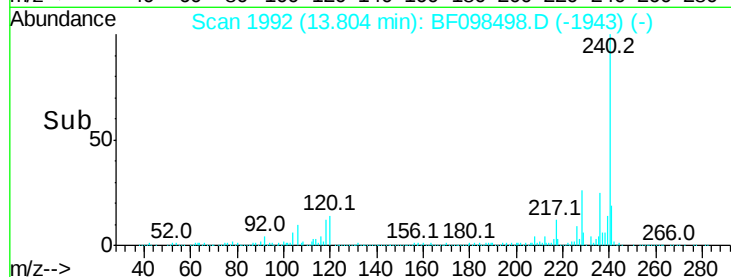
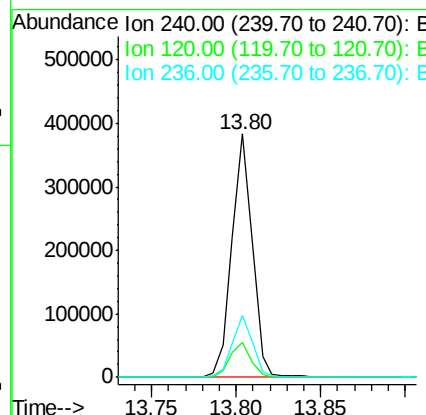
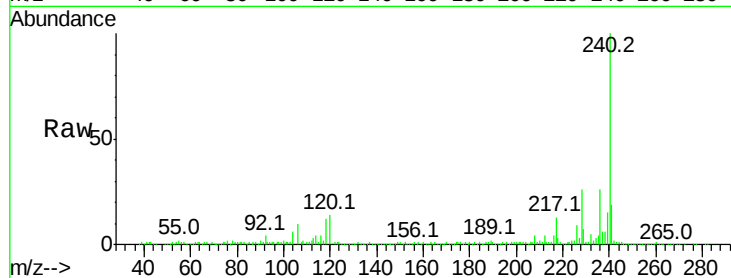
ClientSampled :

G-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	25.7	20.5	30.7

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#77

Pyrene

Concen: 32.901 ng

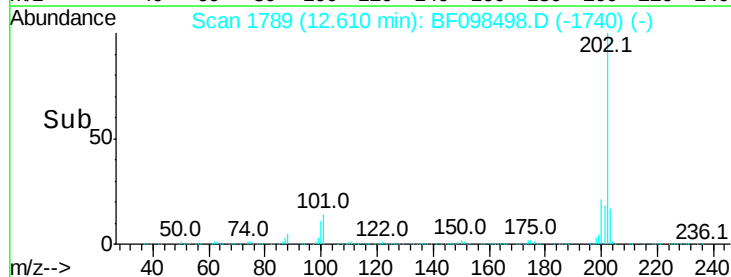
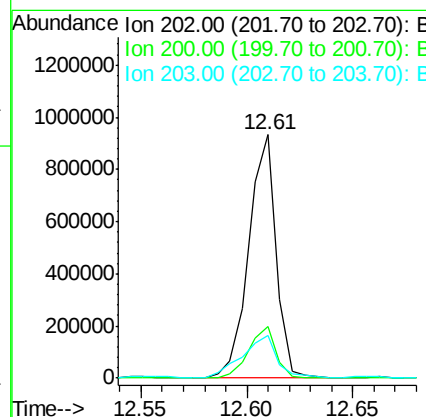
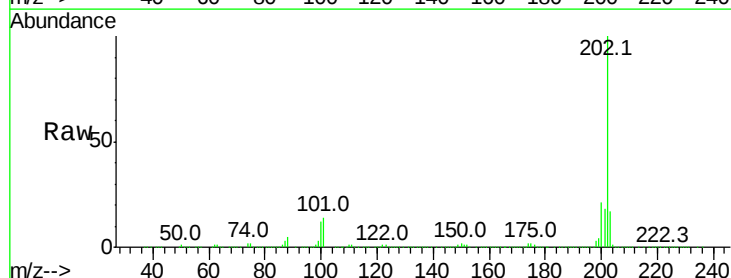
RT: 12.61 min Scan# 1789

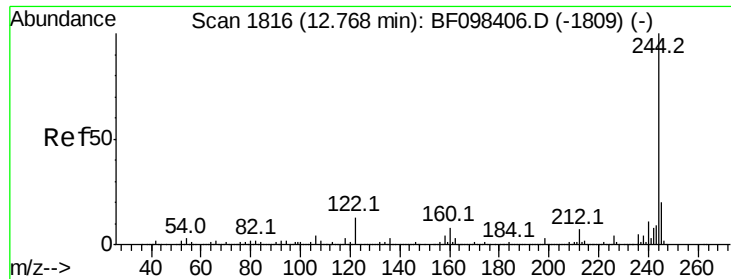
Delta R.T. -0.01 min

Lab File: BF098498.D

Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.3	14.4	21.6





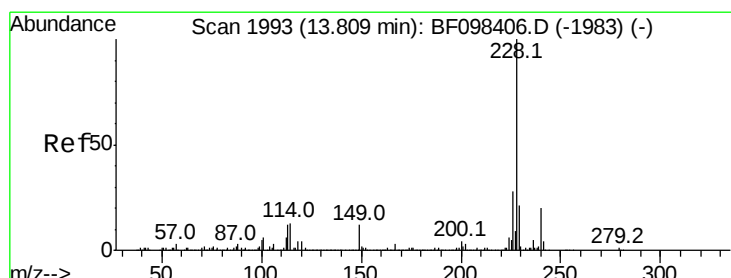
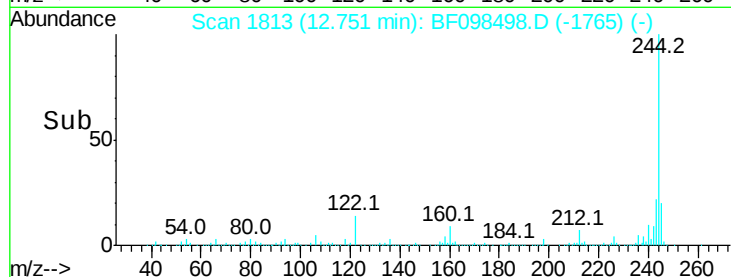
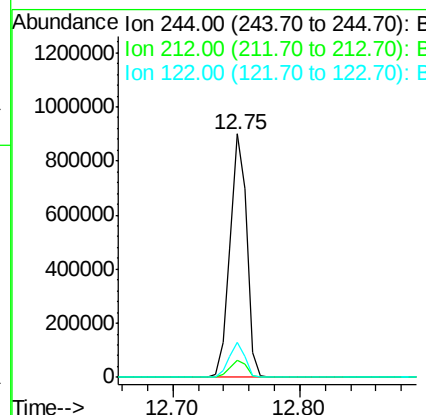
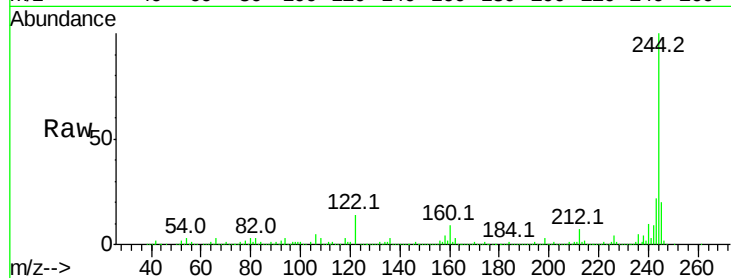
#78
 Terphenyl-d14
 Concen: 54.971 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF098498.D
 Acq: 13 Sep 2017 19:17

Instrument :
 BNA_F
 ClientSampleId :
 G-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.4	10.3	15.5

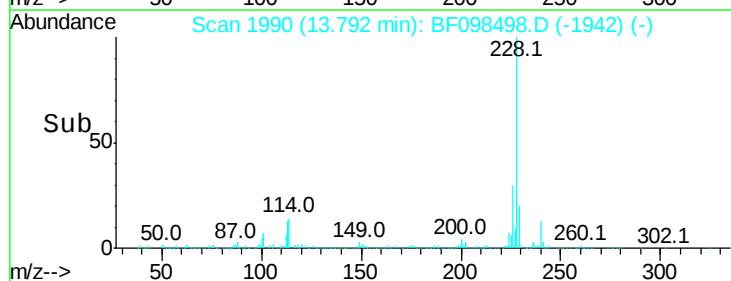
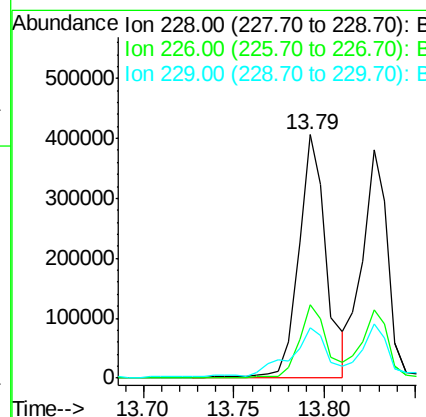
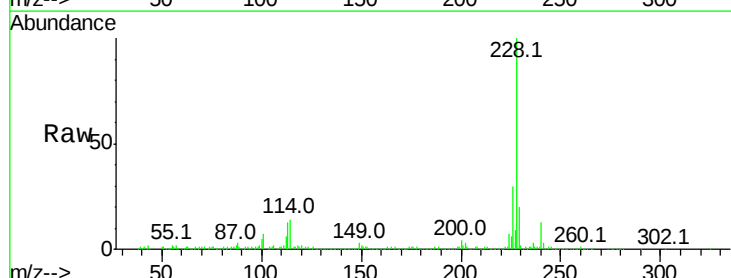
Manual Integrations
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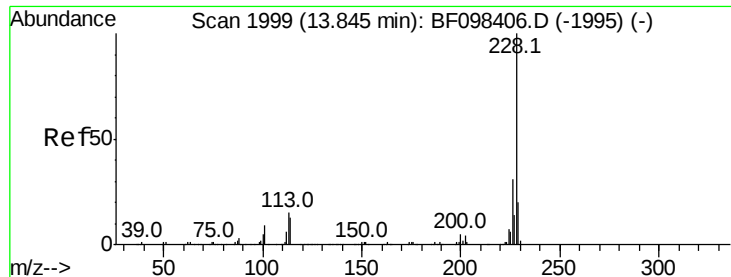
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#80
 Benzo(a)anthracene
 Concen: 22.704 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.02 min
 Lab File: BF098498.D
 Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.4	16.3	24.5





#82

Chrysene

Concen: 19.524 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF098498.D

Acq: 13 Sep 2017 19:17

Instrument :

BNA_F

ClientSampled :

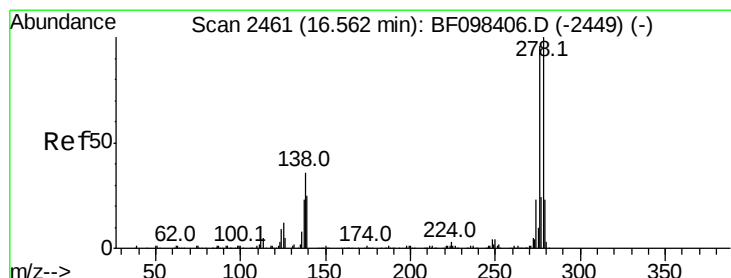
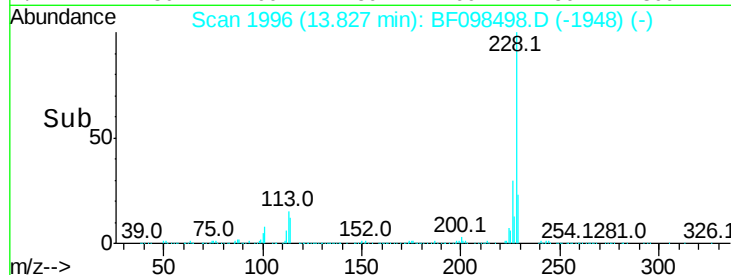
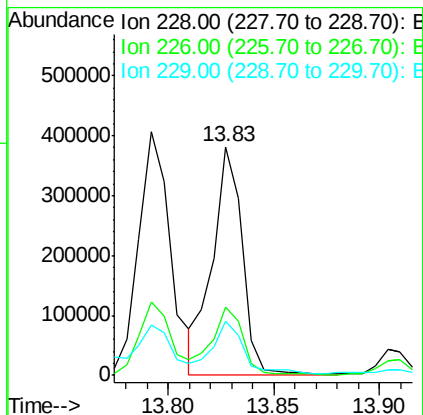
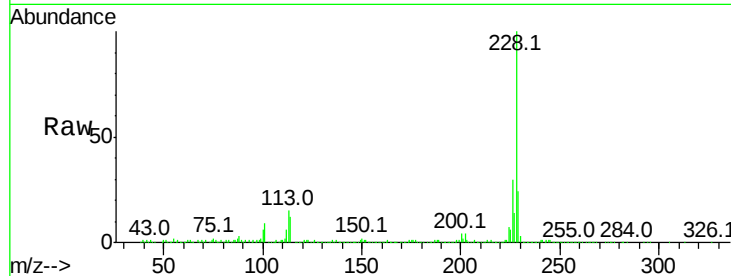
G-3

Tot Ion:	228	Resp:	372768
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	23.5	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.056 ng

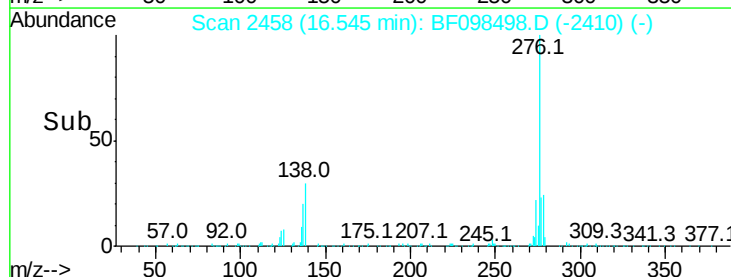
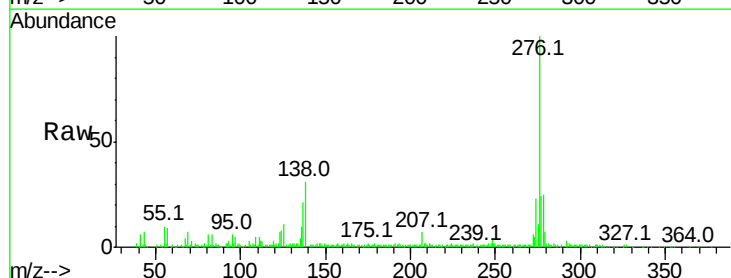
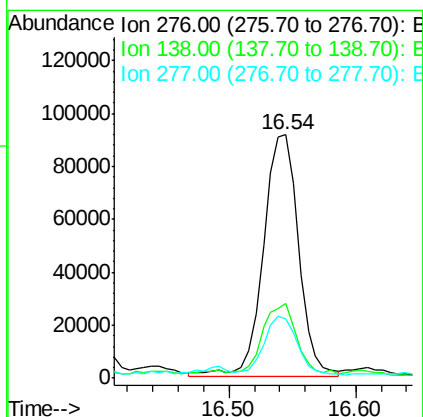
RT: 16.54 min Scan# 2458

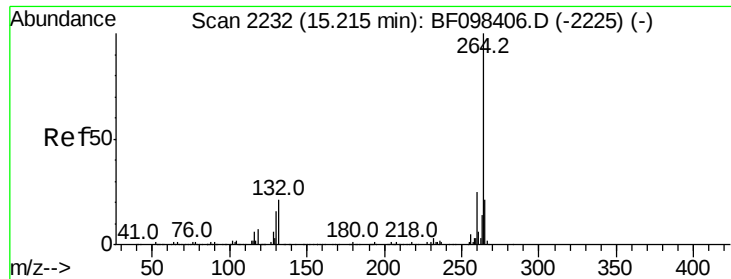
Delta R.T. -0.02 min

Lab File: BF098498.D

Acq: 13 Sep 2017 19:17

Tgt Ion:	276	Resp:	174896
Ion Ratio	Lower	Upper	
276	100		
138	28.7	27.8	41.6
277	23.4	20.2	30.4





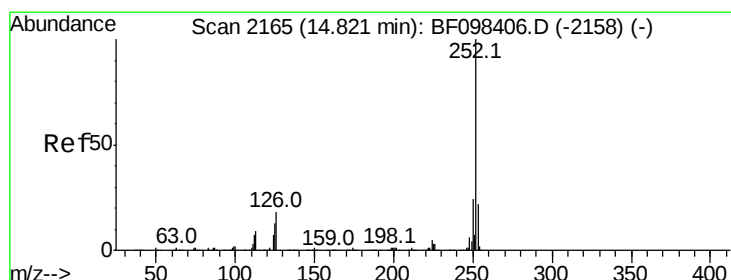
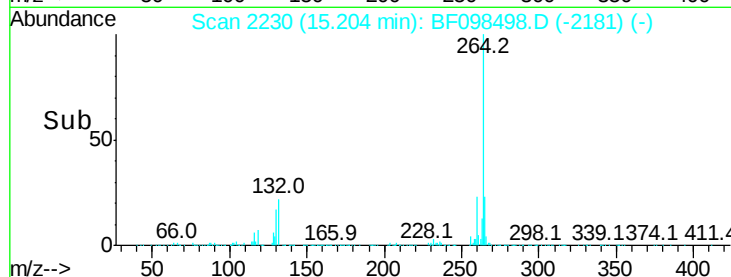
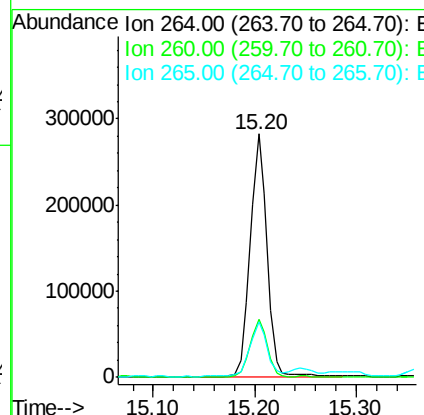
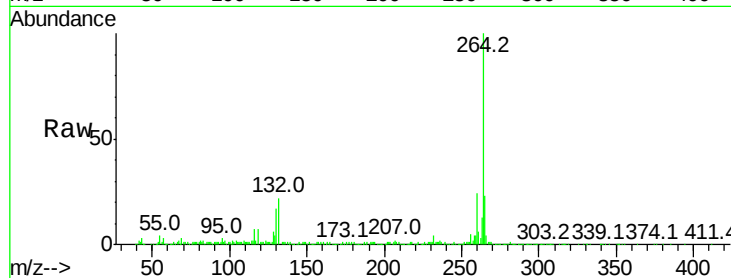
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Instrument :
BNA_F
ClientSampleId :
G-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	23.0	17.2	25.8

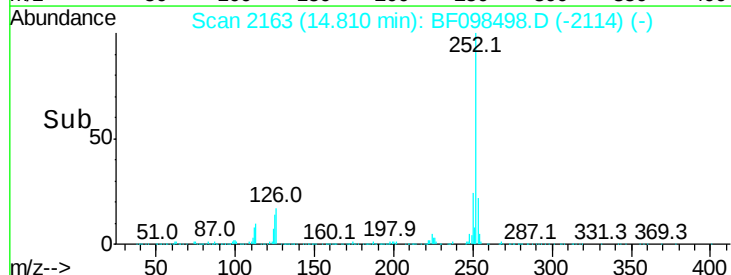
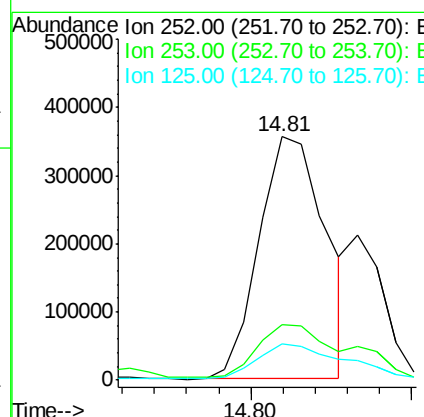
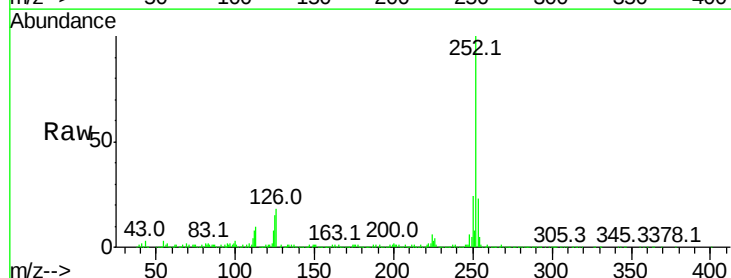
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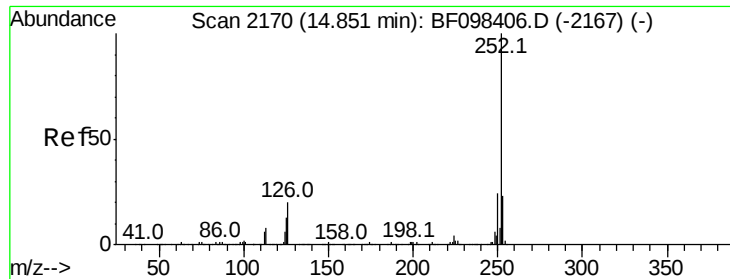
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#87
Benzo(b)fluoranthene
Concen: 24.734 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	14.8	9.8	14.8#





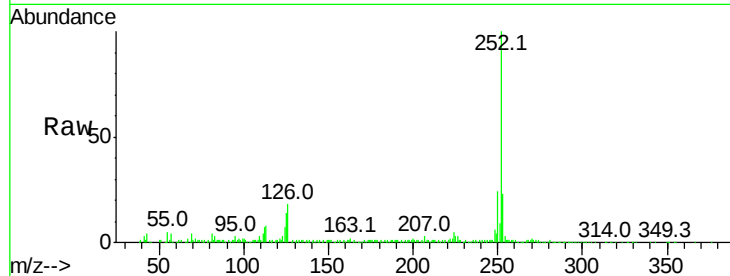
#88
Benzo(k)fluoranthene
Concen: 8.196 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Instrument :
BNA_F
ClientSampled :
G-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	13.9	13.1	19.7

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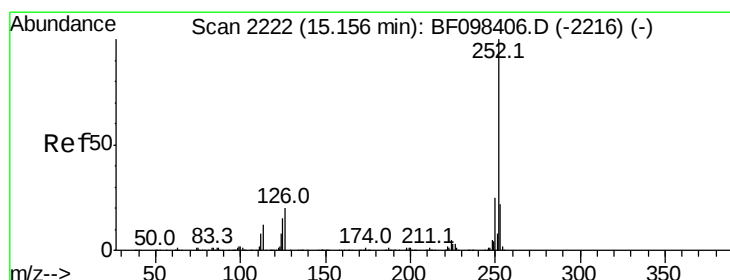
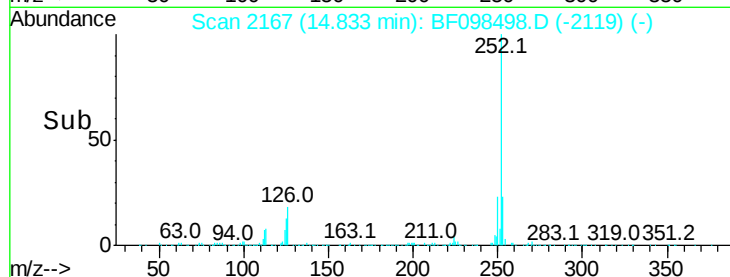
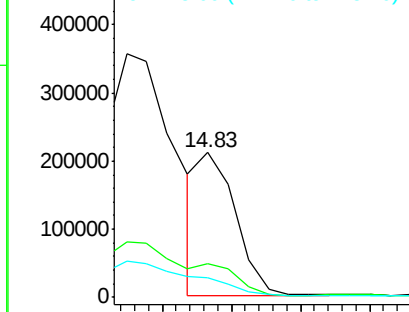


Abundance

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: 19.316 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

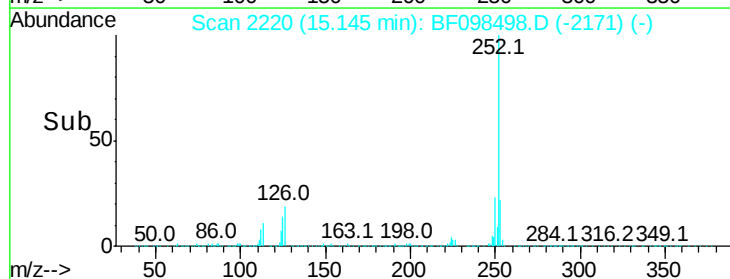
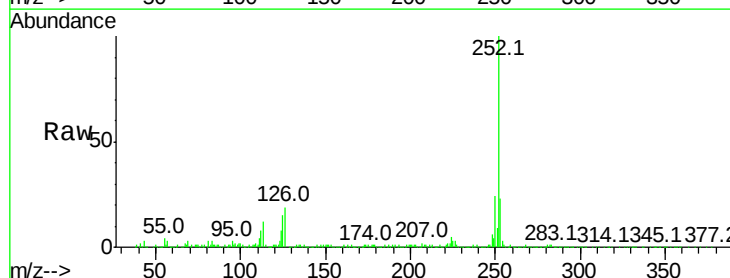
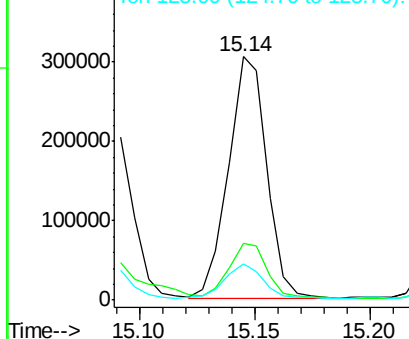
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.0	11.0	16.4

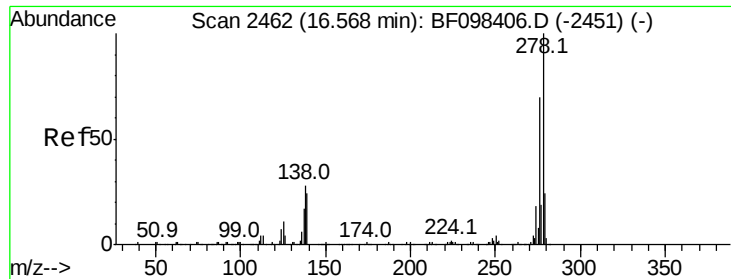
Abundance

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





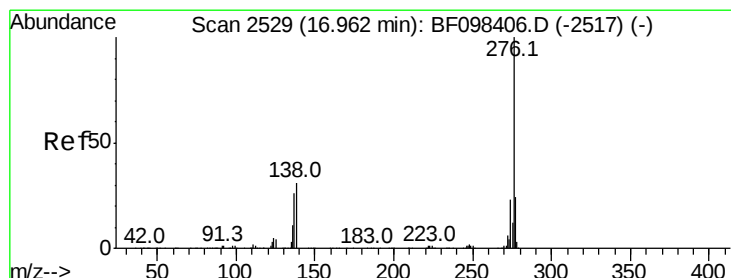
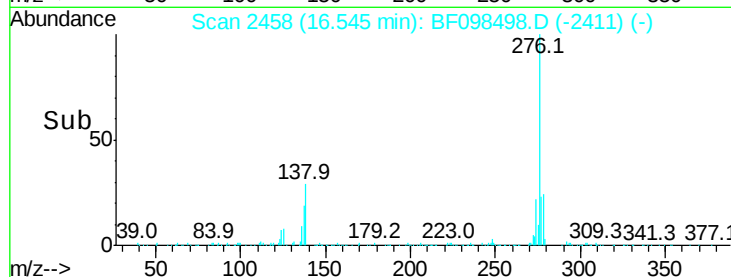
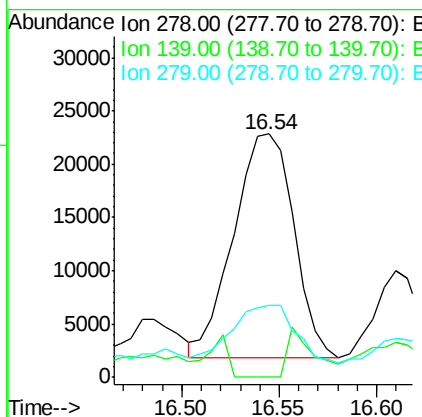
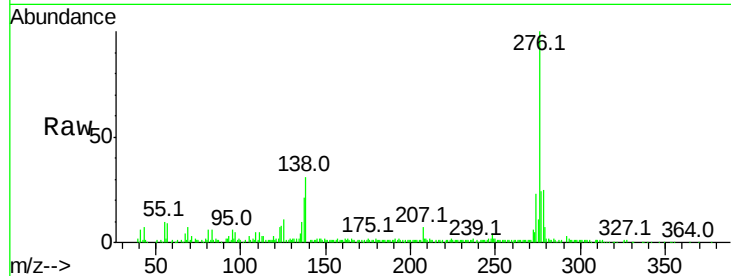
#90
Dibenzo(a,h)anthracene
Concen: 3.360 ng
RT: 16.54 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Instrument :
BNA_F
ClientSampleId :
G-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	29.4	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 11.716 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF098498.D
Acq: 13 Sep 2017 19:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	27.5	25.4	38.0

