

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098762.D
 Acq On : 24 Sep 2017 2:11
 Operator : SJ/JU
 Sample : I5360-13 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-G-COMP

Manual Integrations
 APPROVED

Sohil
 9/25/2017 6:26:47 PM

Quant Time: Sep 25 08:14:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	132394	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	485642	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	166927	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	277130	20.00	ng	0.00
75) Chrysene-d12	14.09	240	265349	20.00	ng	0.00
86) Perylene-d12	15.59	264	209445	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	139762	16.80	ng	0.00
7) Phenol-d6	6.53	99	161432	15.73	ng	-0.01
23) Nitrobenzene-d5	7.47	82	87277	11.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	19423	14.22	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	150552	15.06	ng	0.00
78) Terphenyl-d14	13.03	244	123403	10.58	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.23	128	156963	6.882	ng	98
37) 2-Methylnaphthalene	8.92	142	47258	3.187	ng	98
70) Phenanthrene	11.47	178	173348	11.686	ng	98
71) Anthracene	11.52	178	56568	3.727	ng	96
74) Fluoranthene	12.66	202	265999	17.708	ng	97
77) Pyrene	12.89	202	264917	13.093	ng	100
80) Benzo(a)anthracene	14.07	228	122215	7.606	ng	95
82) Chrysene	14.11	228	118976	7.778	ng	98
83) Bis(2-ethylhexyl)phthalate	14.06	149	28202	2.154	ng	97
85) Indeno(1,2,3-cd)pyrene	17.09	276	41892	3.423	ng	99
87) Benzo(b)fluoranthene	15.14	252	130008m	10.096	ng	
88) Benzo(k)fluoranthene	15.17	252	49911m	3.924	ng	
89) Benzo(a)pyrene	15.52	252	83716	7.082	ng	# 94
91) Benzo(a,h,i)perylene	17.55	276	41397	4.427	ng	# 88

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

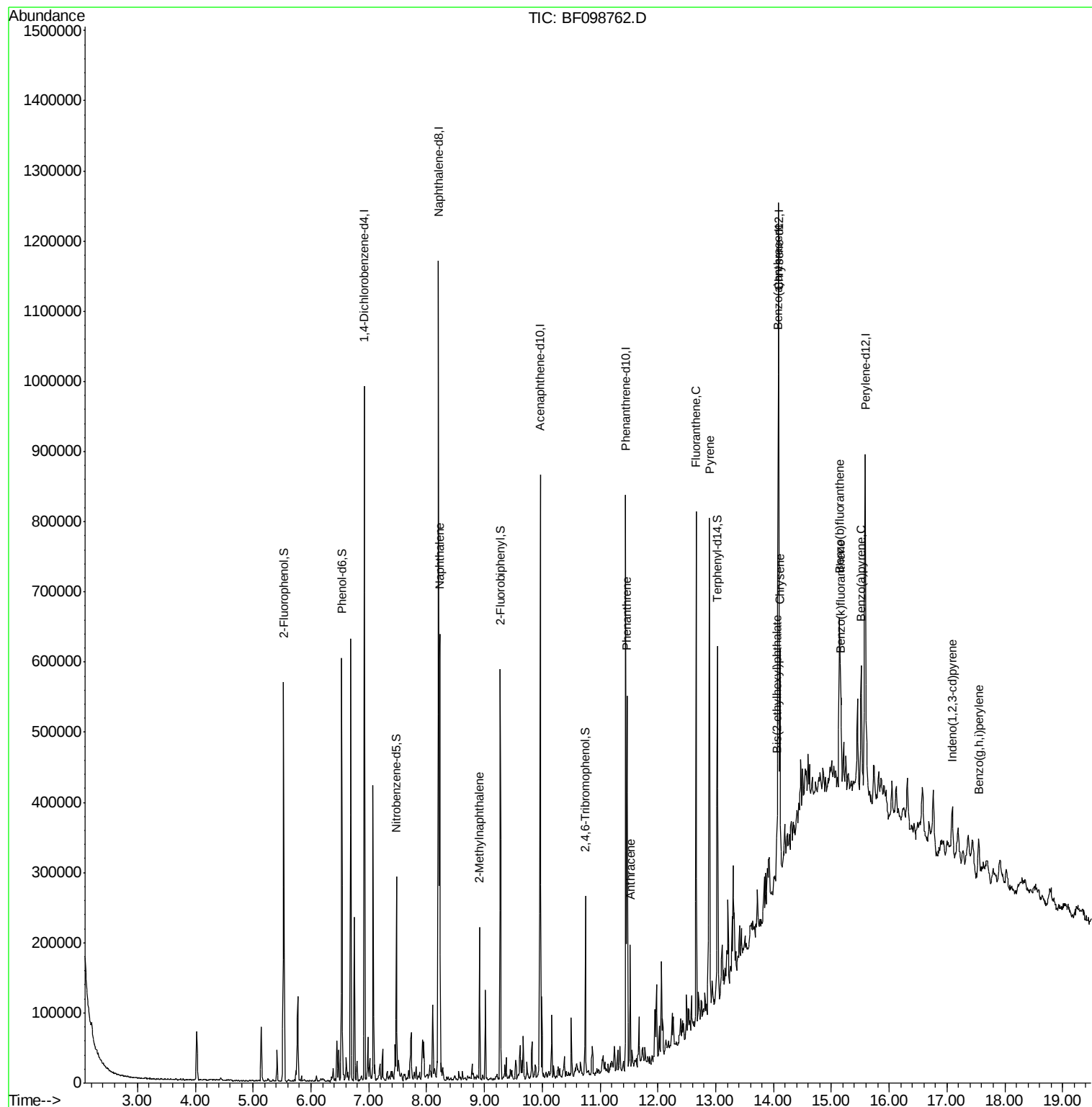
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
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ALS Vial : 26 Sample Multiplier: 1

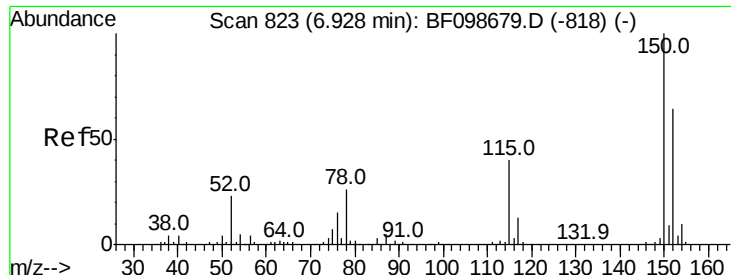
Instrument :
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#1

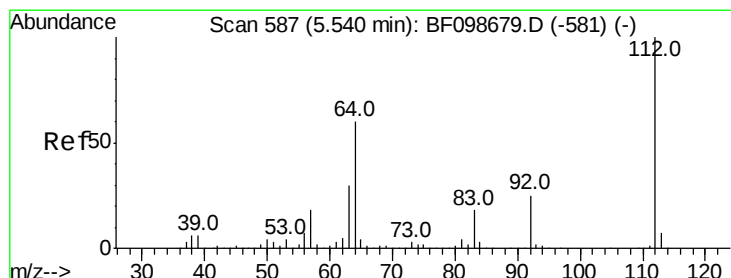
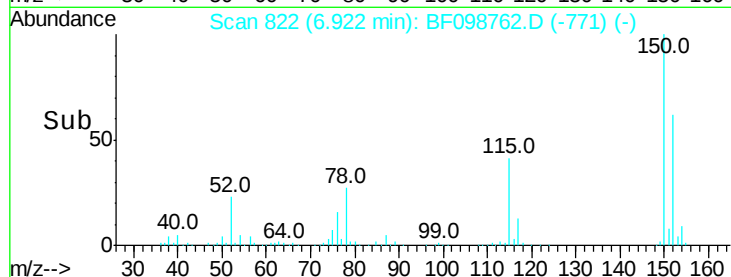
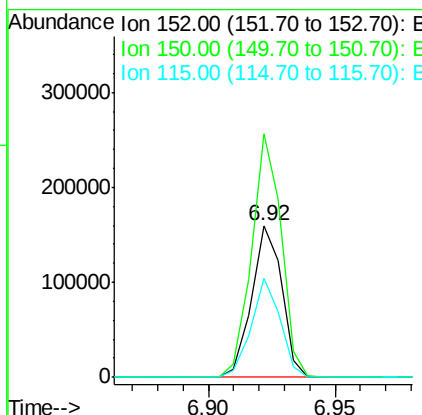
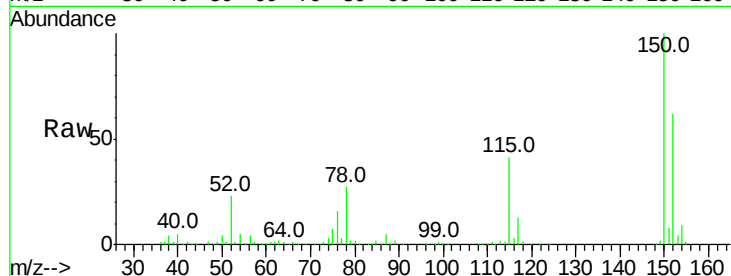
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Instrument :
BNA_F
ClientSampleId :
SP-1-G-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	65.6	50.1	75.1

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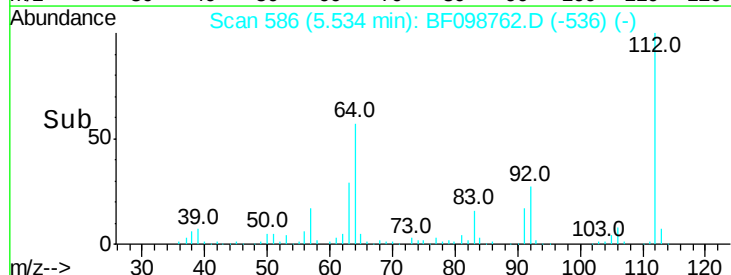
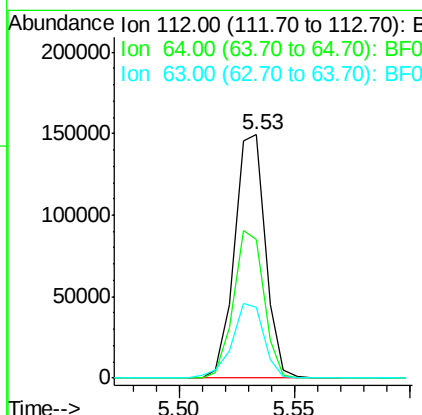
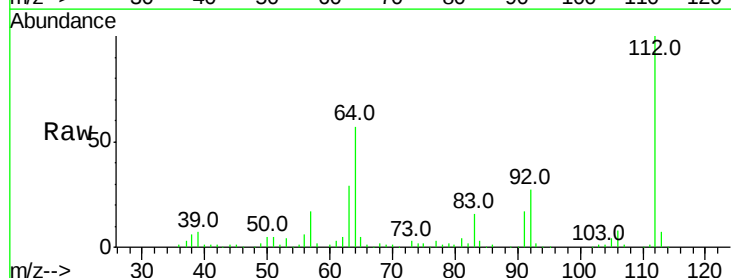
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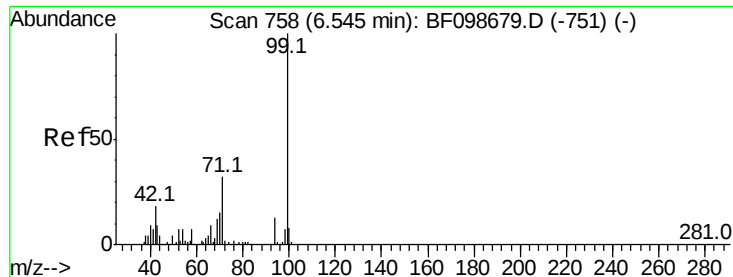


#5

2-Fluorophenol
Concen: 16.805 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 15.735 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098762.D

Acq: 24 Sep 2017 2:11

Instrument :

BNA_F

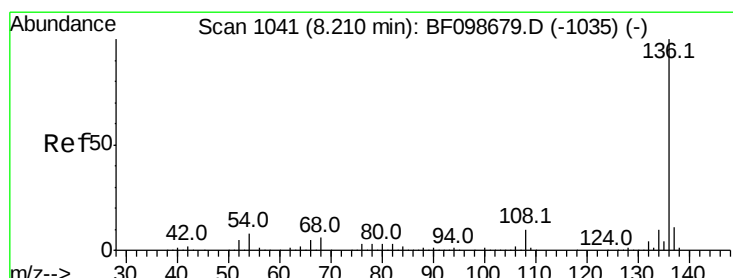
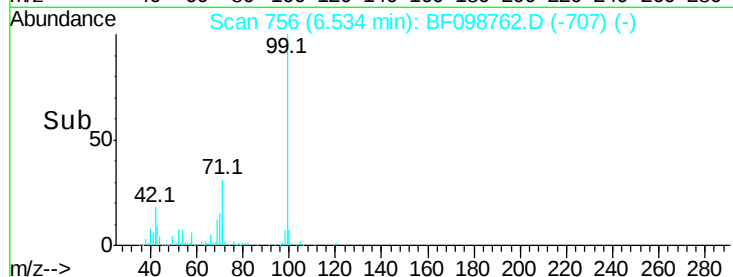
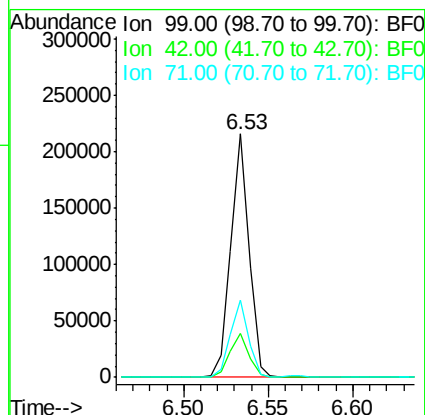
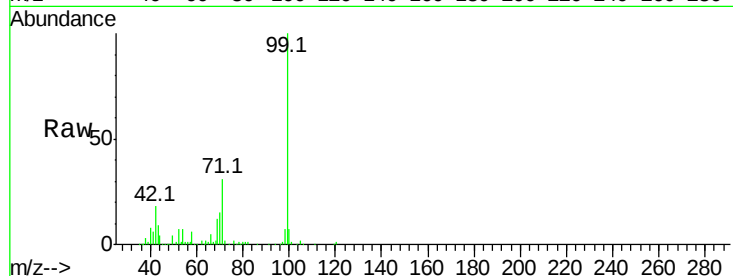
ClientSampleId :

SP-1-G-COMP

Tot Ion:	99	Resp:	161432
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	31.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

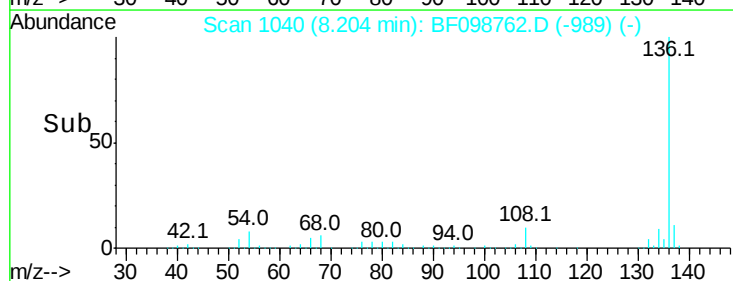
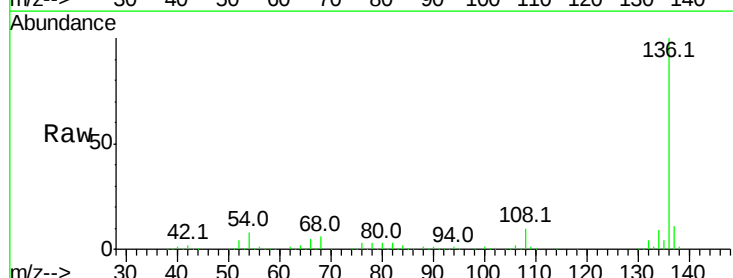
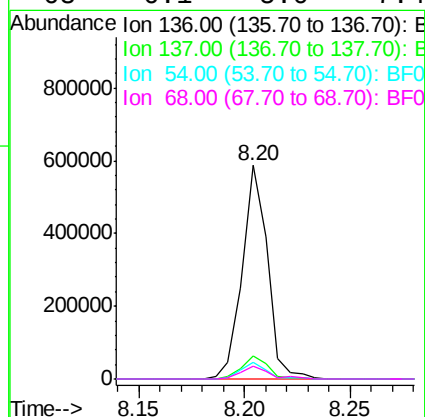
RT: 8.20 min Scan# 1040

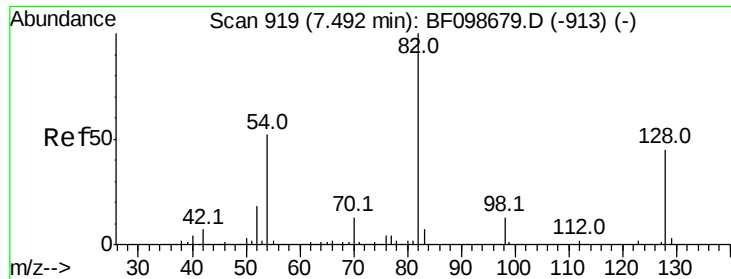
Delta R.T. -0.00 min

Lab File: BF098762.D

Acq: 24 Sep 2017 2:11

Tgt Ion:	136	Resp:	485642
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.1	6.6	9.8
68	6.1	5.0	7.4





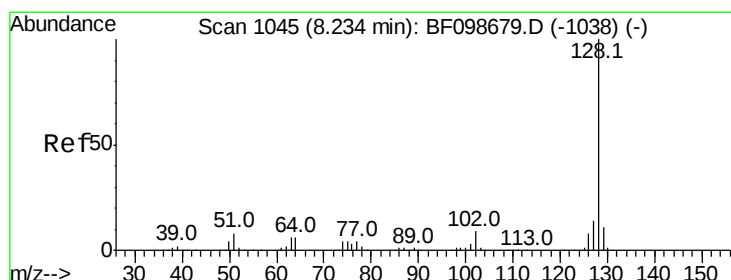
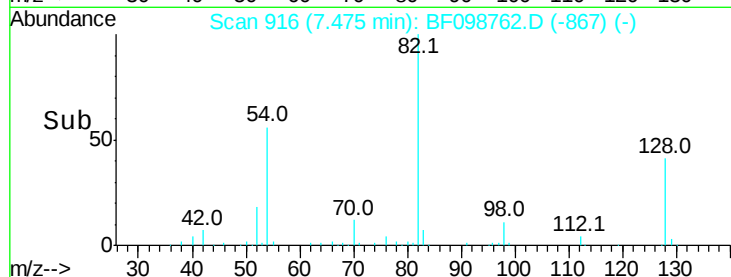
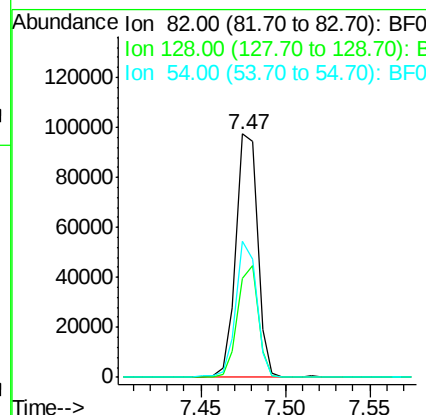
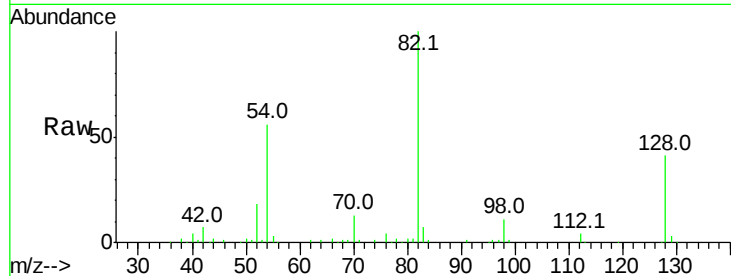
#23
Nitrobenzene-d5
Concen: 11.525 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Instrument :
BNA_F
ClientSampleId :
SP-1-G-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	55.9	41.4	62.2

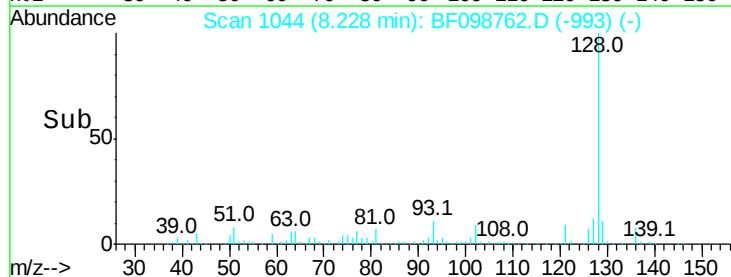
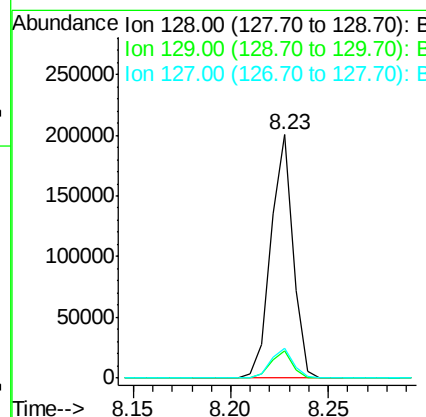
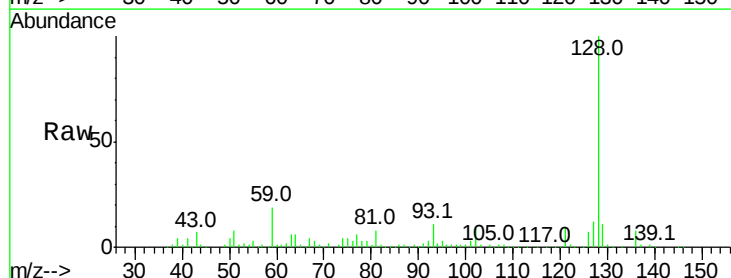
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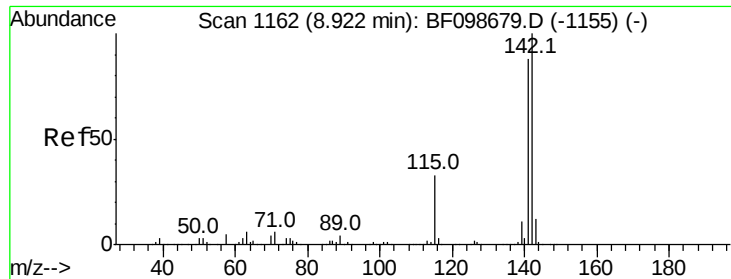
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#31
Naphthalene
Concen: 6.882 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.3	10.9	16.3





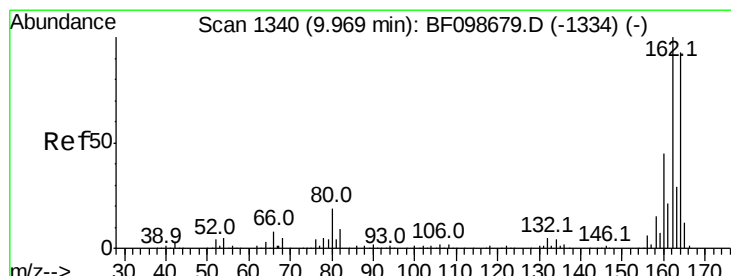
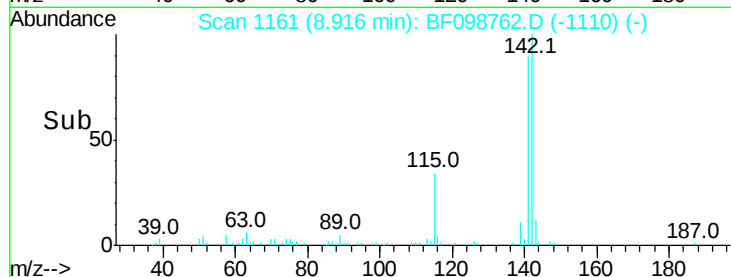
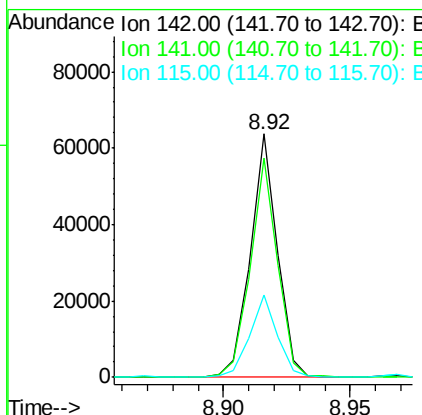
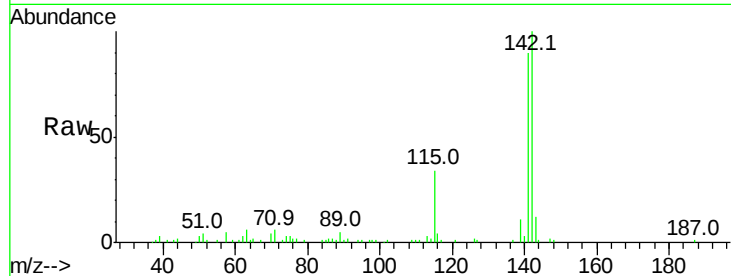
#37
 2-Methylnaphthalene
 Concen: 3.187 ng
 RT: 8.92 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BF098762.D
 Acq: 24 Sep 2017 2:11

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-G-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2
115	33.9	26.1	39.1

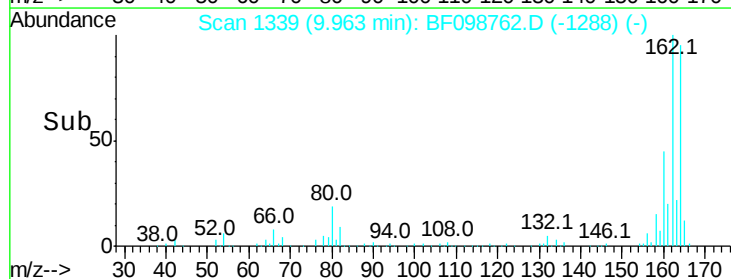
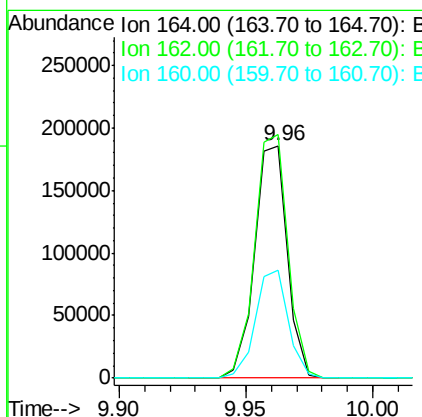
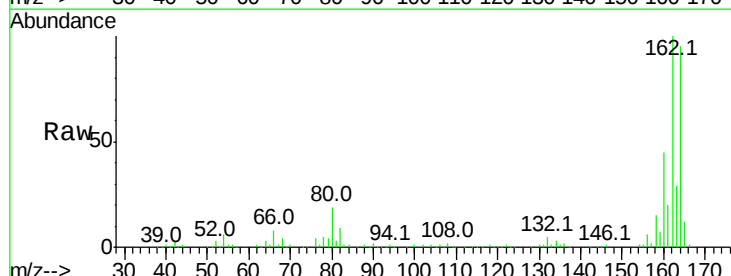
Manual Integrations
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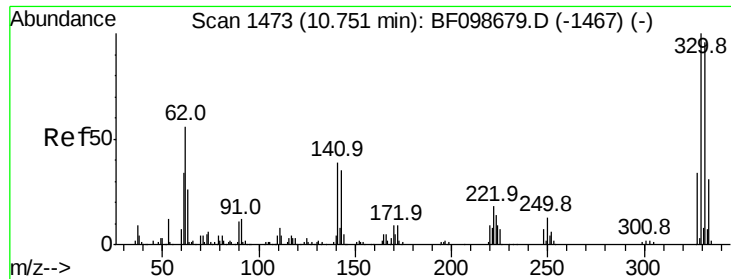
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: BF098762.D
 Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	46.7	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 14.220 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098762.D

Acq: 24 Sep 2017 2:11

Instrument :

BNA_F

ClientSampleId :

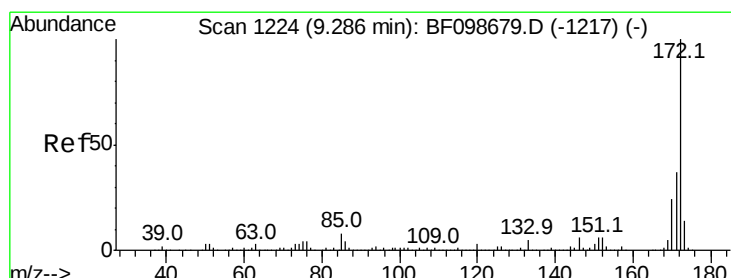
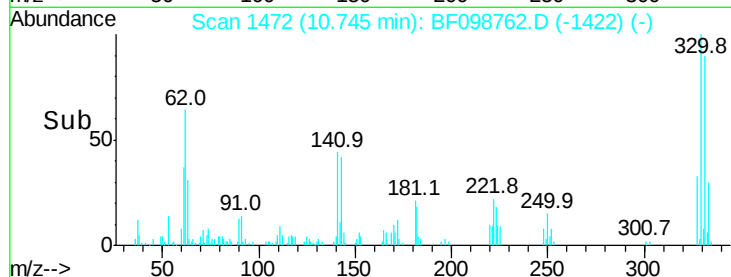
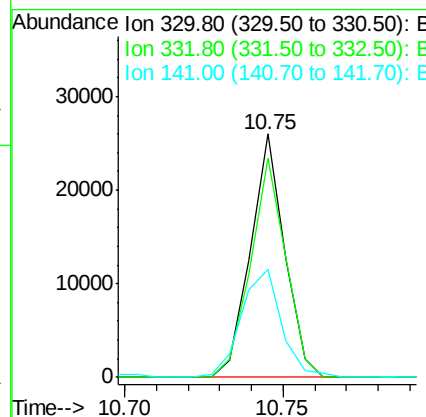
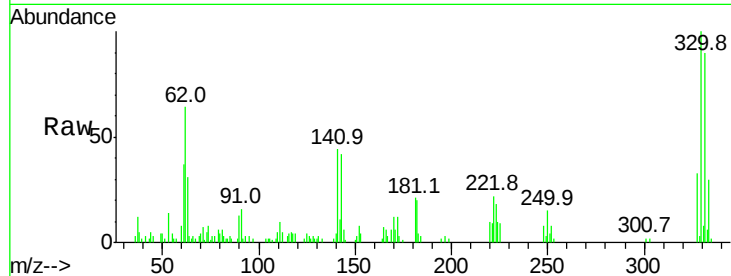
SP-1-G-COMP

Tot Ion:	330	Resp:	19423
Ion Ratio	Lower	Upper	
330	100		
332	92.9	77.0	115.6
141	52.4	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 15.057 ng

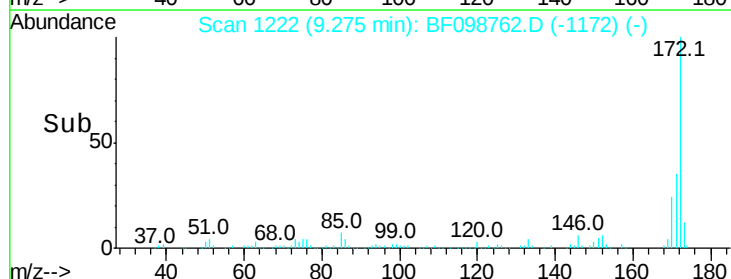
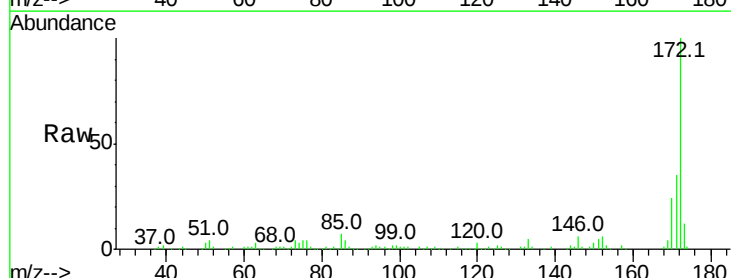
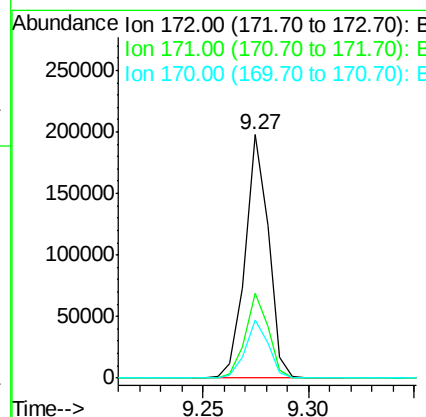
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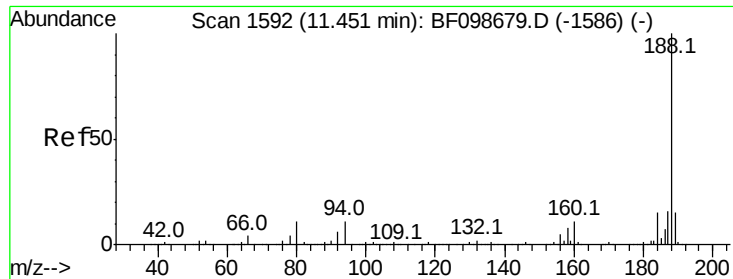
Delta R.T. -0.01 min

Lab File: BF098762.D

Acq: 24 Sep 2017 2:11

Tgt Ion:	172	Resp:	150552
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.7	44.5
170	23.8	19.6	29.4





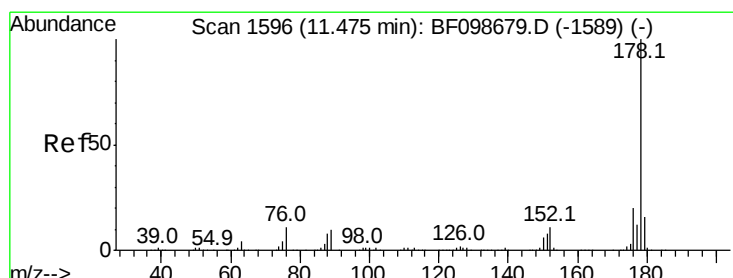
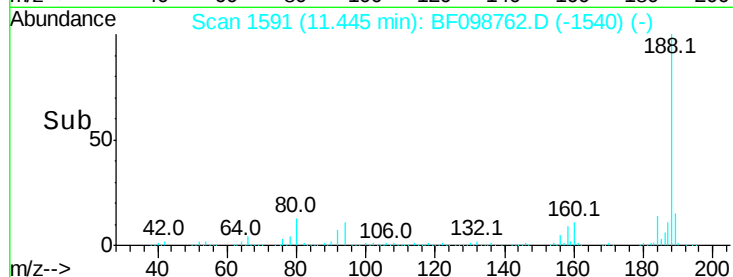
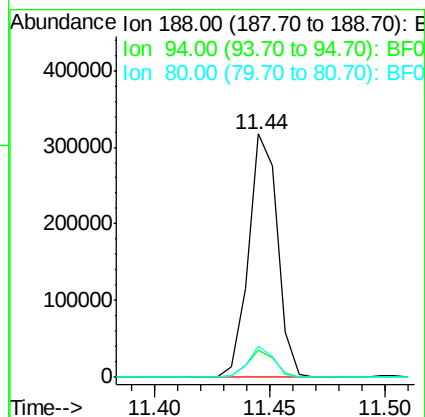
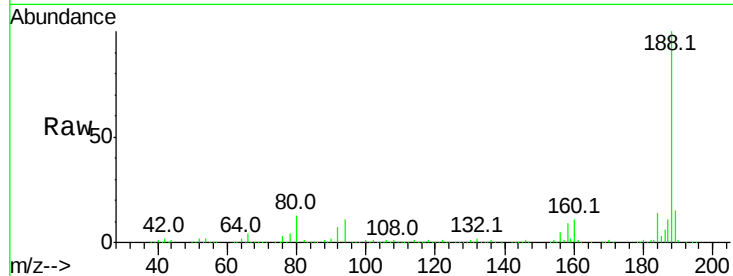
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Instrument :
BNA_F
ClientSampleId :
SP-1-G-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	277130		
94	11.4		8.5	12.7
80	12.7		9.2	13.8

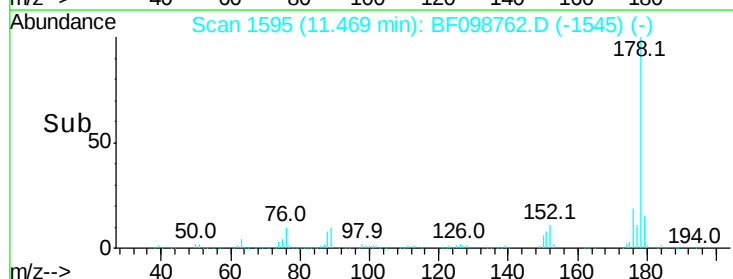
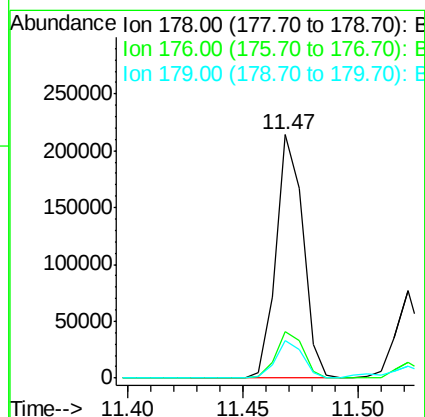
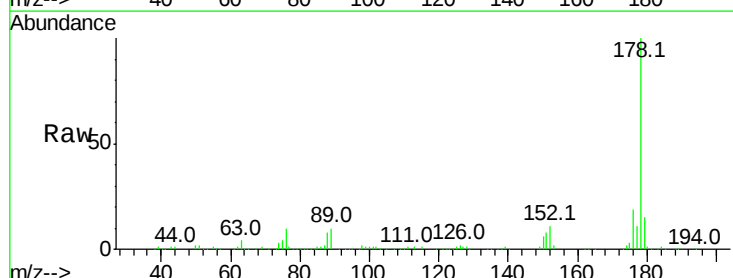
Manual Integrations
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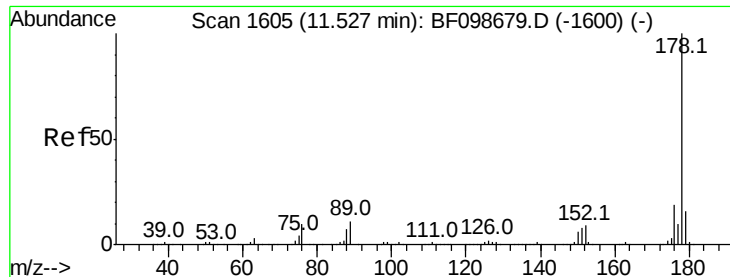
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#70
Phenanthrene
Concen: 11.686 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	173348		
176	19.3		15.8	23.8
179	15.3		13.0	19.6





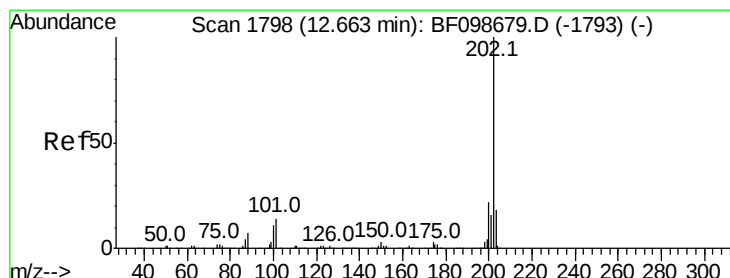
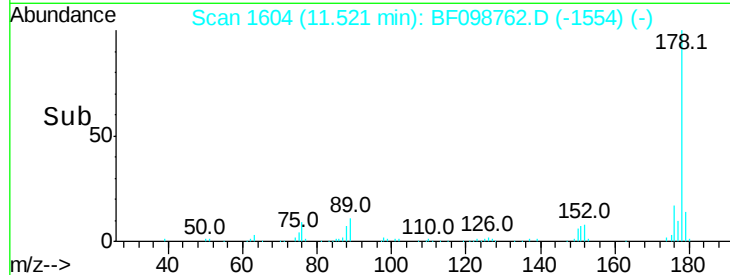
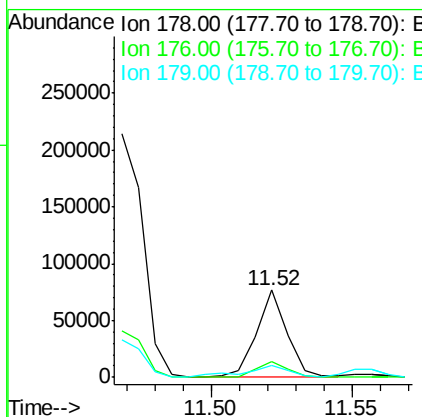
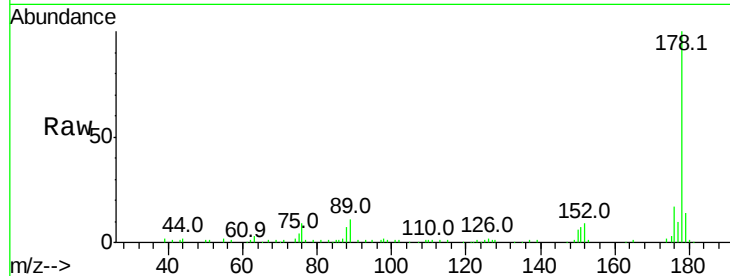
#71
 Anthracene
 Concen: 3.727 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF098762.D
 Acq: 24 Sep 2017 2:11

Instrument :
 BNA_F
 ClientSampled :
 SP-1-G-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	14.4	12.6	19.0

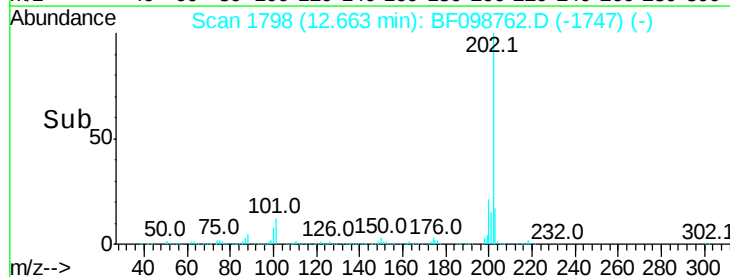
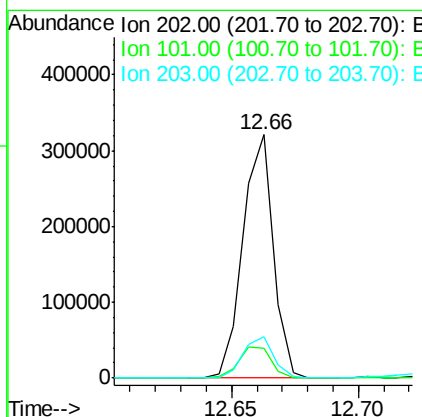
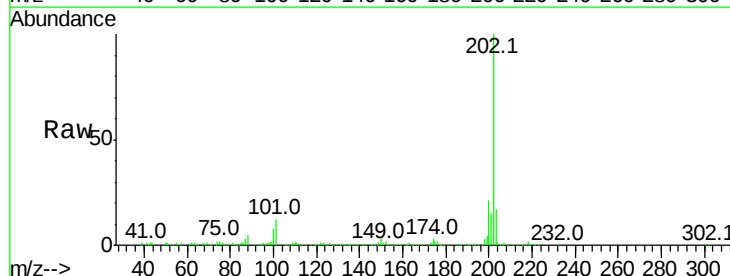
Manual Integrations
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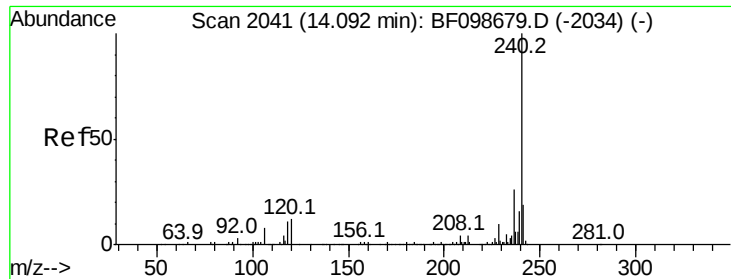
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#74
 Fluoranthene
 Concen: 17.708 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: BF098762.D
 Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF098762.D

Acq: 24 Sep 2017 2:11

Instrument :

BNA_F

ClientSampleId :

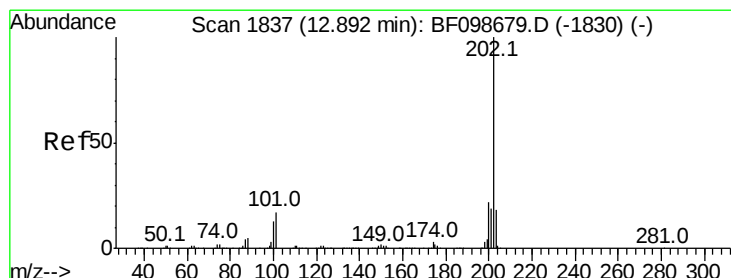
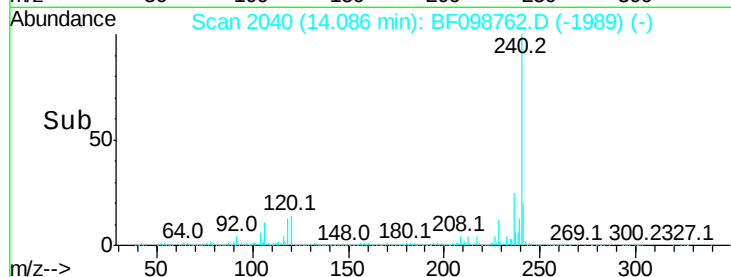
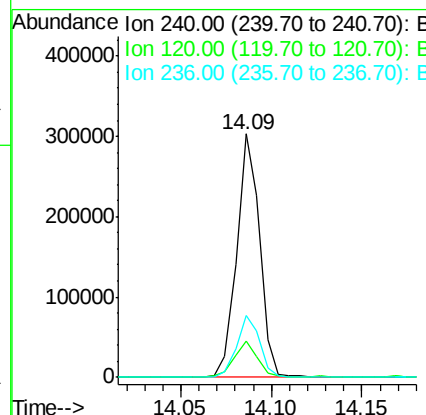
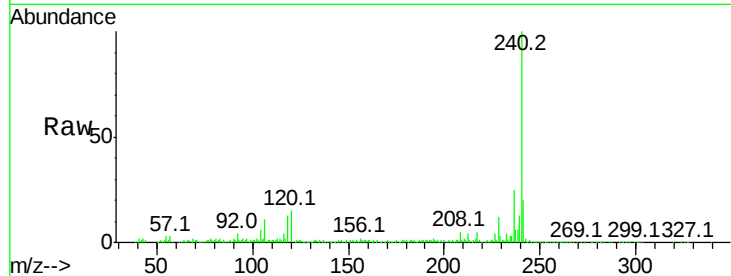
SP-1-G-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100	265349		
120	14.7	9.5	14.3#	
236	25.3	20.7	31.1	

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#77

Pyrene

Concen: 13.093 ng

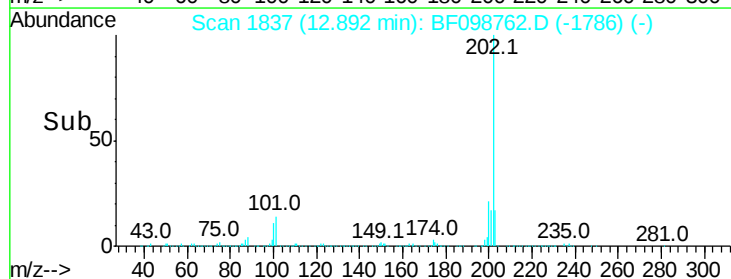
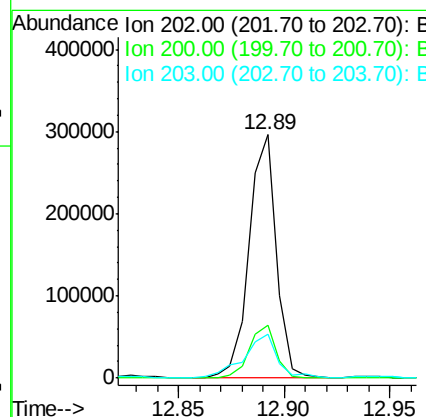
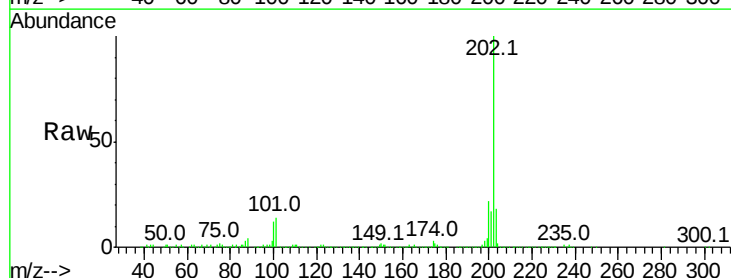
RT: 12.89 min Scan# 1837

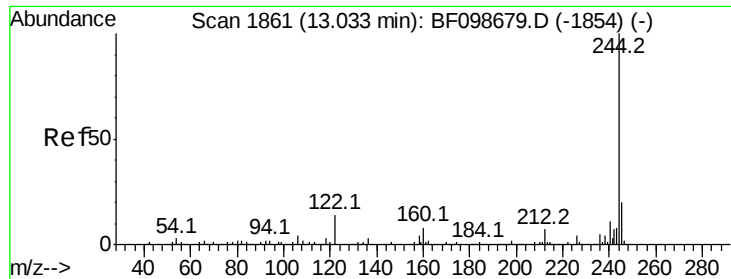
Delta R.T. -0.00 min

Lab File: BF098762.D

Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	264917		
200	21.5	17.4	26.2	
203	18.0	14.3	21.5	





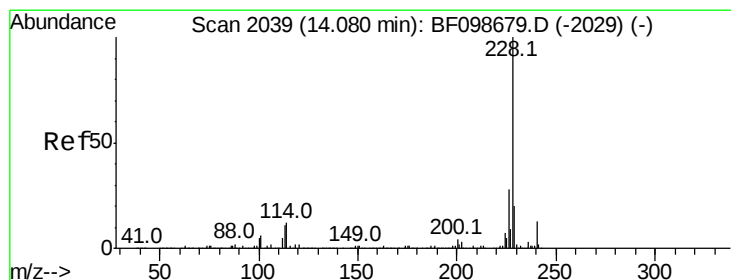
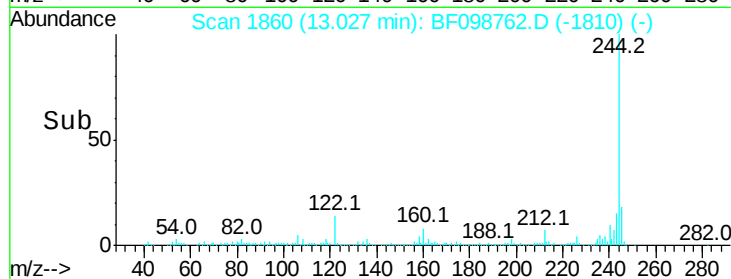
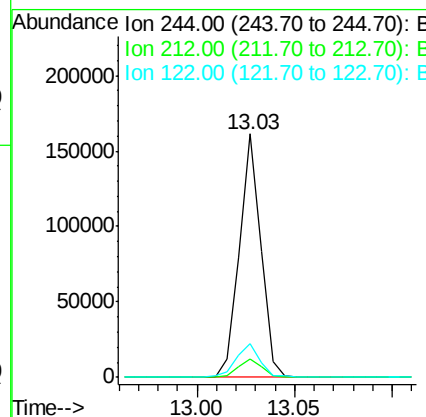
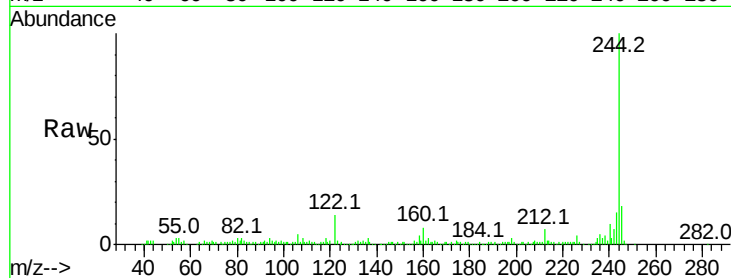
#78
 Terphenyl-d14
 Concen: 10.576 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098762.D
 Acq: 24 Sep 2017 2:11

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-G-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	13.9	11.0	16.4

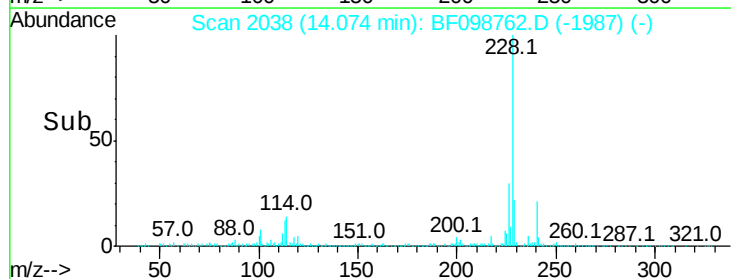
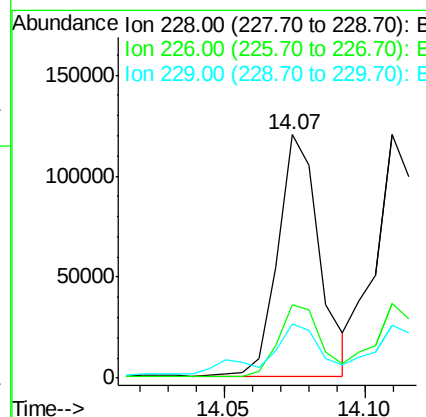
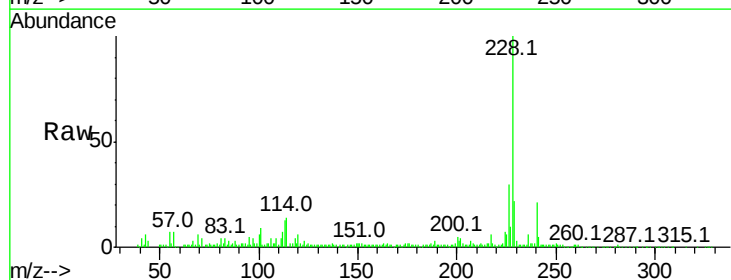
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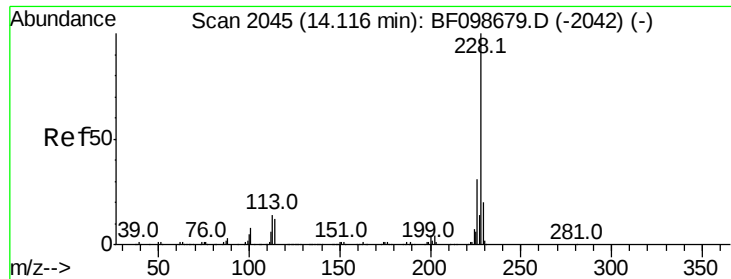
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#80
 Benzo(a)anthracene
 Concen: 7.606 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: BF098762.D
 Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	22.4	15.8	23.6





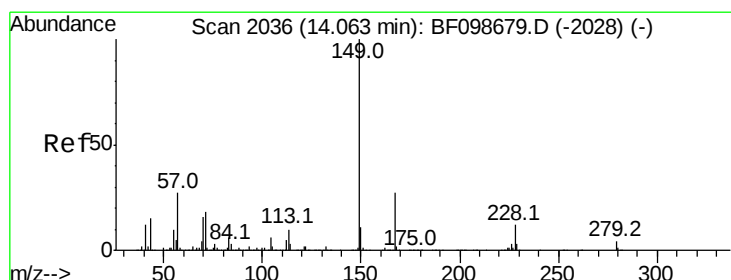
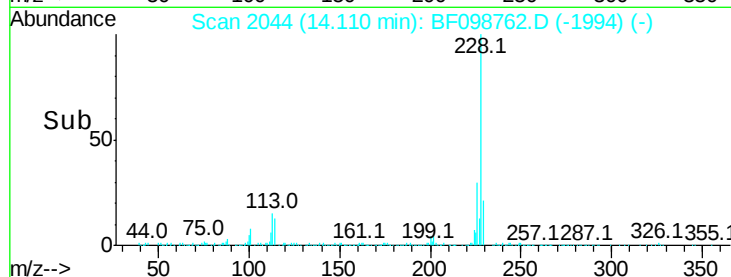
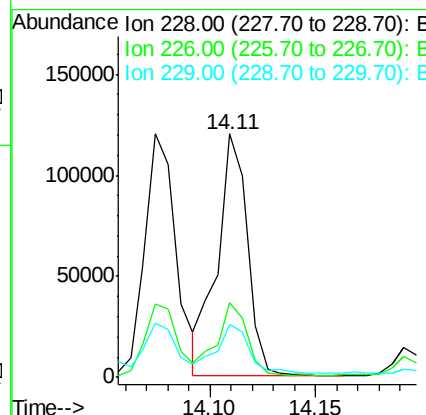
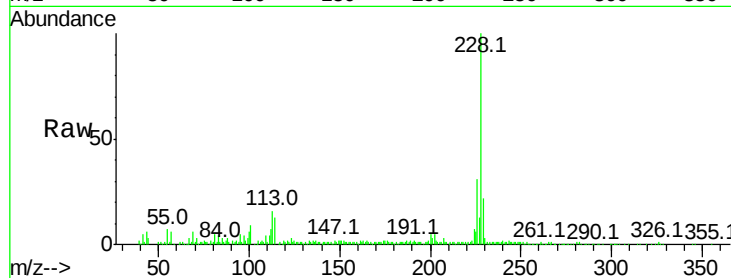
#82
 Chrysene
 Concen: 7.778 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF098762.D
 Acq: 24 Sep 2017 2:11

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-G-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.8	16.2	24.4

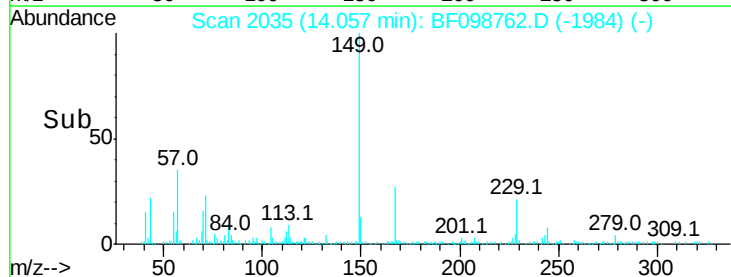
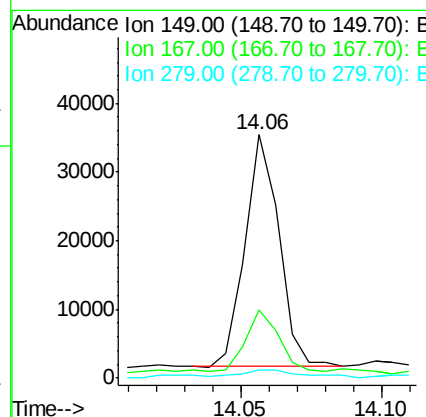
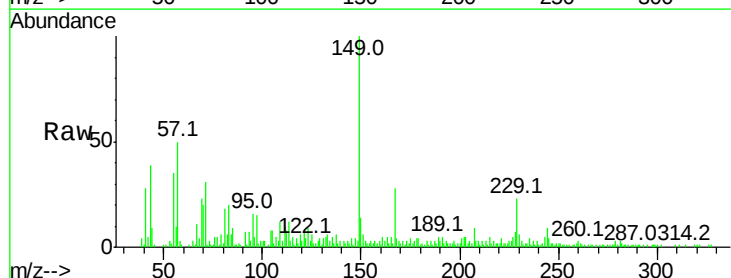
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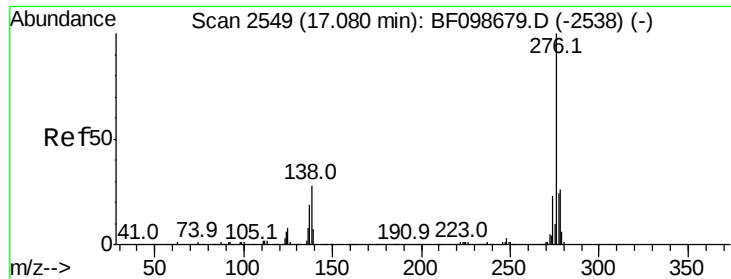
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.154 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BF098762.D
 Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.3	31.9
279	3.4	3.0	4.4





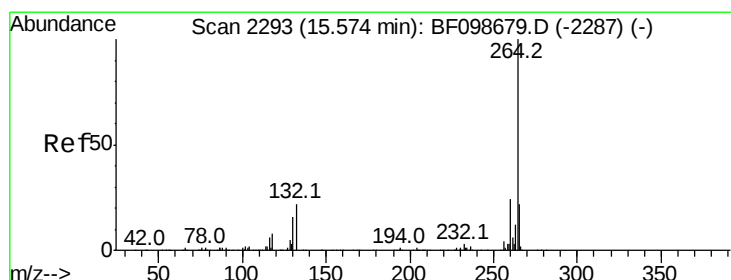
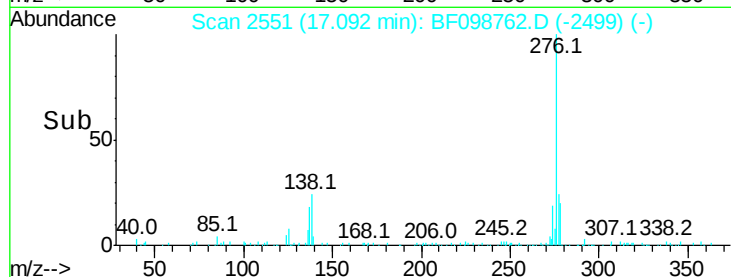
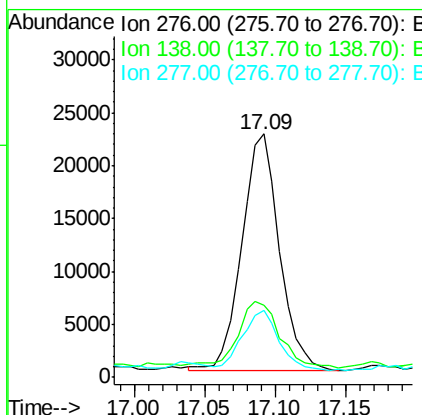
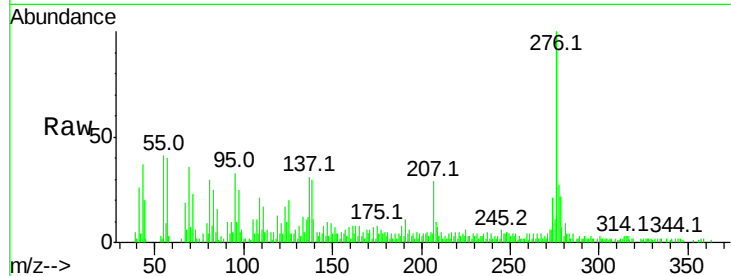
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.423 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.01 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Instrument :
BNA_F
ClientSampleId :
SP-1-G-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.8	25.0	37.6
277	25.3	20.1	30.1

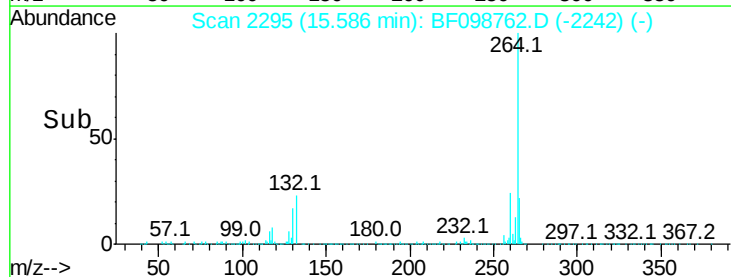
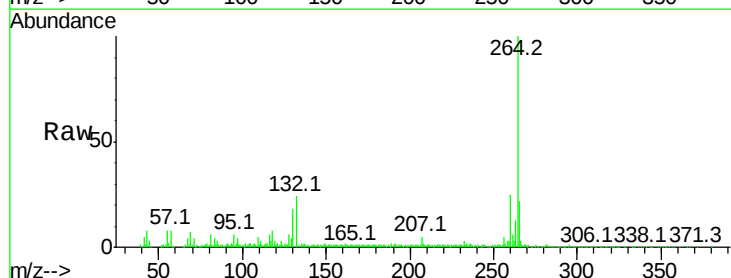
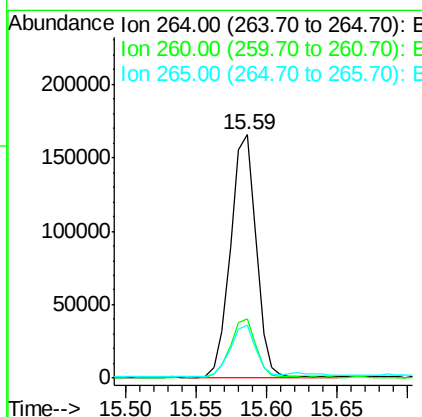
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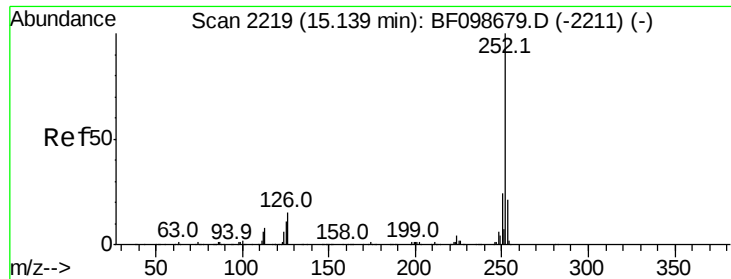
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 10.096 ng m

RT: 15.14 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BF098762.D

Acq: 24 Sep 2017 2:11

Instrument :

BNA_F

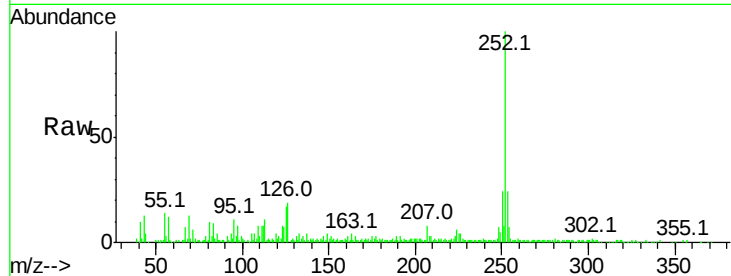
ClientSampleId :

SP-1-G-COMP

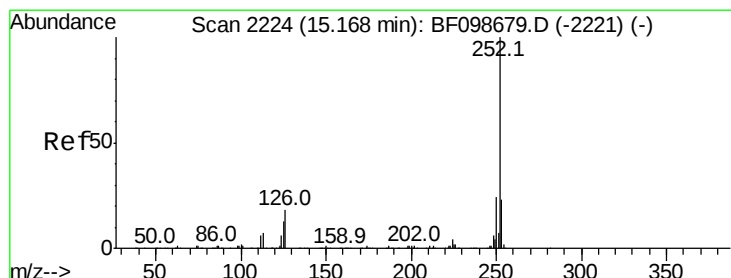
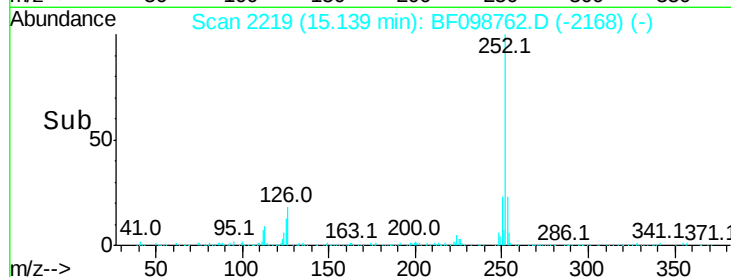
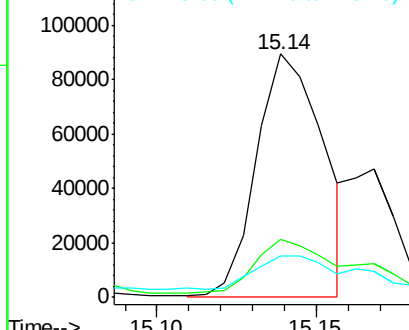
Tot Ion:	252	Resp:	130008
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	17.0	9.0	13.6#

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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



#88

Benzo(k)fluoranthene

Concen: 3.924 ng m

RT: 15.17 min Scan# 2224

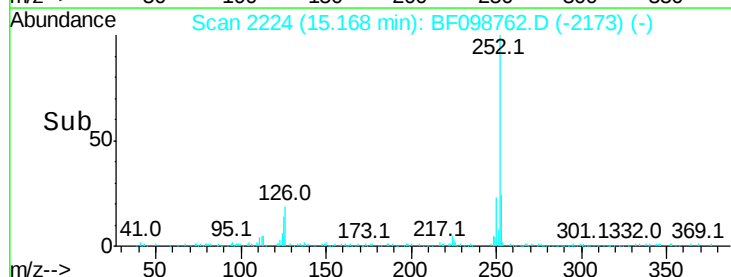
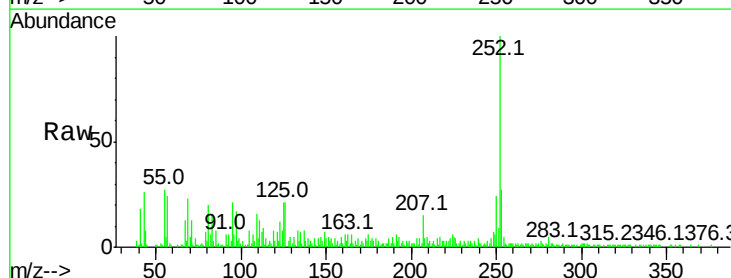
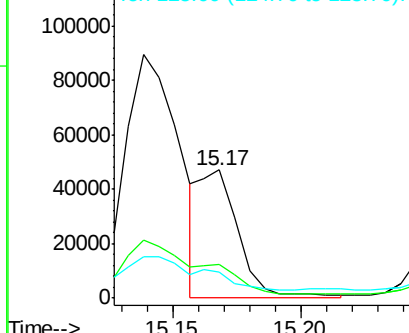
Delta R.T. -0.00 min

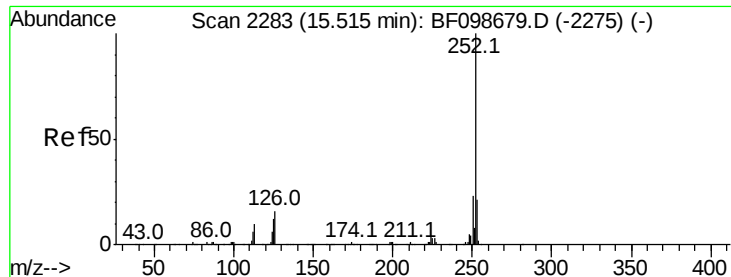
Lab File: BF098762.D

Acq: 24 Sep 2017 2:11

Tgt Ion:	252	Resp:	49911
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.9	26.9
125	20.8	10.2	15.2#

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





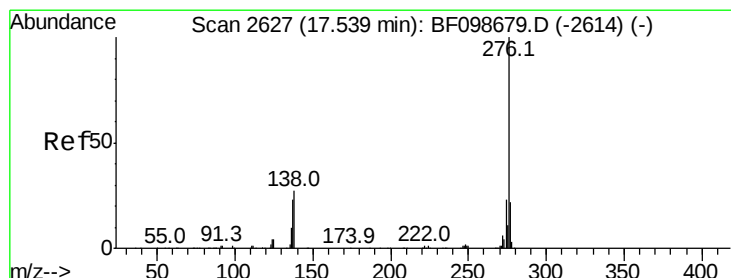
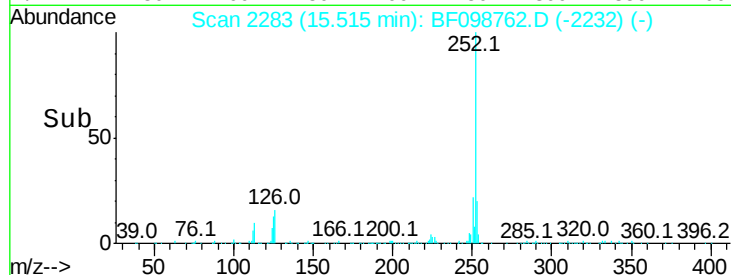
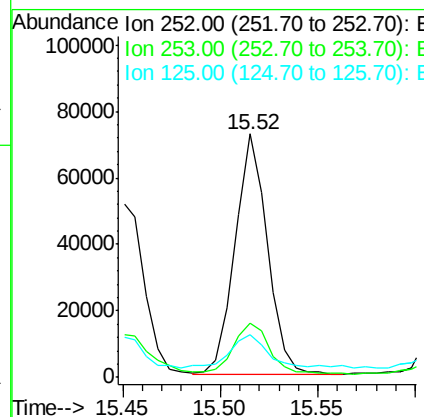
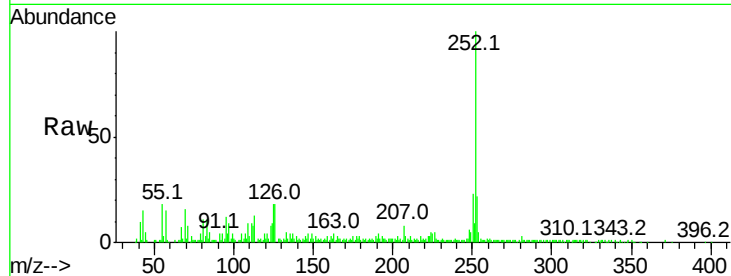
#89
Benzo(a)pyrene
Concen: 7.082 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Instrument :
BNA_F
ClientSampleId :
SP-1-G-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	17.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.427 ng
RT: 17.55 min Scan# 2629
Delta R.T. 0.01 min
Lab File: BF098762.D
Acq: 24 Sep 2017 2:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	17.9	26.9
138	34.5	21.8	32.8

