

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098692.D
 Acq On : 22 Sep 2017 11:39
 Operator : SJ/JU
 Sample : I5293-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-L-SIDE-COMP

Manual Integrations
 APPROVED

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 9/25/2017 6:21:01 PM

Quant Time: Sep 22 13:12:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 11:54:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	157005	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	620518	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	255050	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	381738	20.00	ng	0.00
75) Chrysene-d12	14.09	240	336363	20.00	ng	0.00
86) Perylene-d12	15.58	264	349108	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1169919	113.15	ng	0.01
7) Phenol-d6	6.55	99	1408720	112.51	ng	0.00
23) Nitrobenzene-d5	7.49	82	834859	91.26	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	259482	111.25	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1387527	86.57	ng	0.00
78) Terphenyl-d14	13.03	244	1017495	64.95	ng	0.00
Target Compounds						
10) Phenol	6.56	94	51574	3.732	ng	91
49) Dimethylphthalate	9.67	163	139546	7.296	ng	99
70) Phenanthrene	11.47	178	269657	13.022	ng	98
71) Anthracene	11.52	178	57756	2.735	ng	98
74) Fluoranthene	12.66	202	364520	17.663	ng	98
77) Pyrene	12.89	202	321592	12.878	ng	98
80) Benzo(a)anthracene	14.07	228	166722	8.229	ng	98
82) Chrysene	14.11	228	148863	7.608	ng	97
83) Bis(2-ethylhexyl)phthalate	14.06	149	64550	4.517	ng	100
85) Indeno(1,2,3-cd)pyrene	17.08	276	62371	4.109	ng	95
87) Benzo(b)fluoranthene	15.14	252	188326m	9.302	ng	
88) Benzo(k)fluoranthene	15.16	252	60801m	3.005	ng	
89) Benzo(a)pyrene	15.52	252	116469	6.334	ng	# 96
91) Benzo(a,h,i)perylene	17.54	276	55543	3.553	ng	95

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

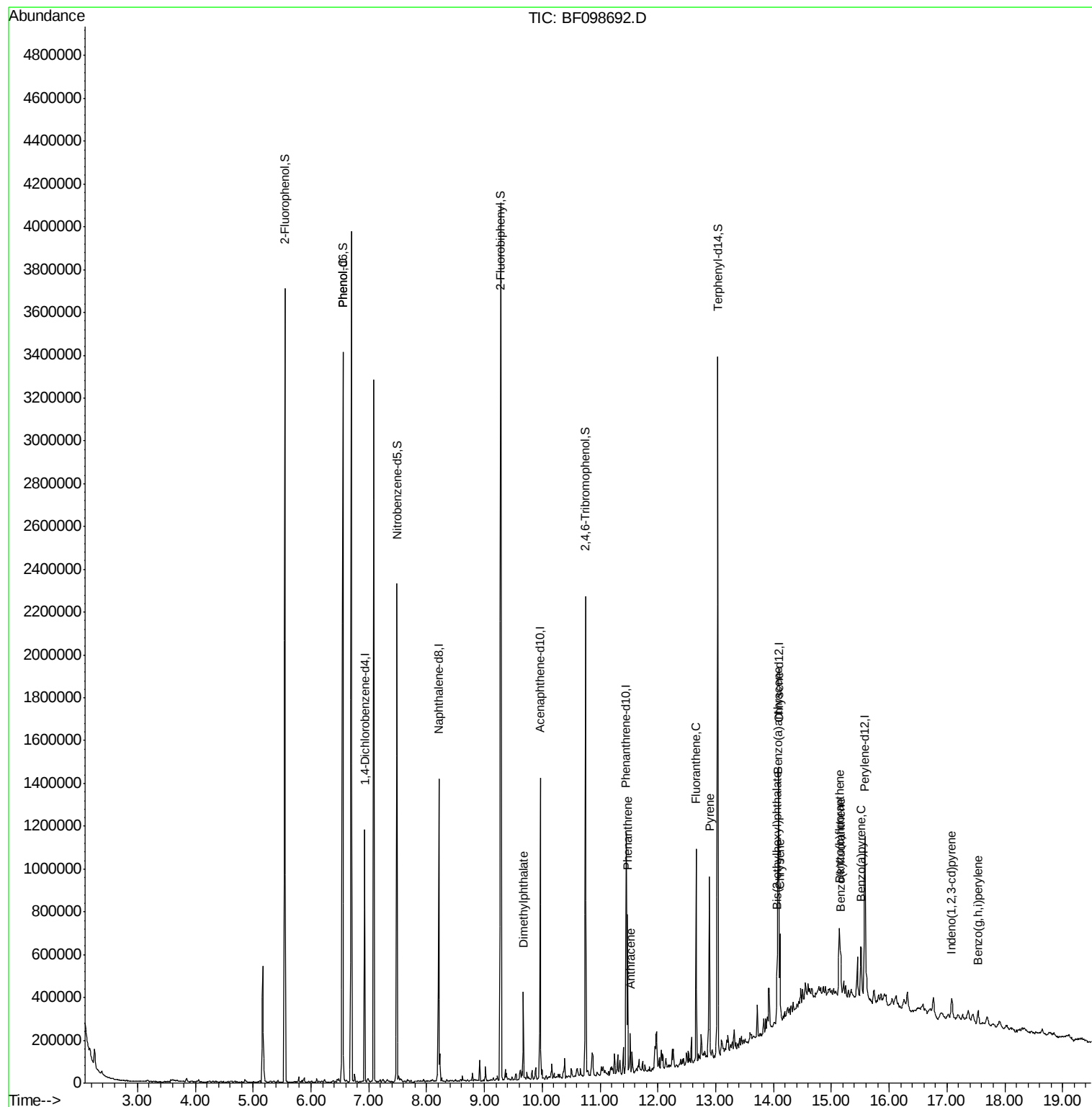
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
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ALS Vial : 9 Sample Multiplier: 1

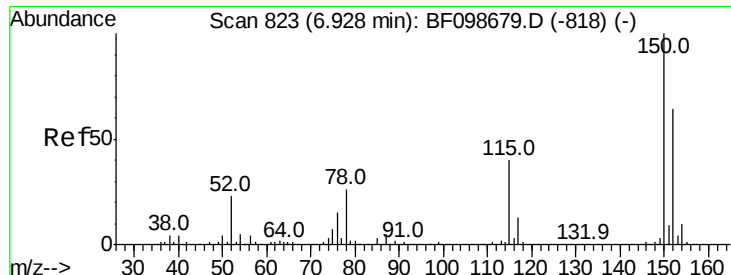
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#1

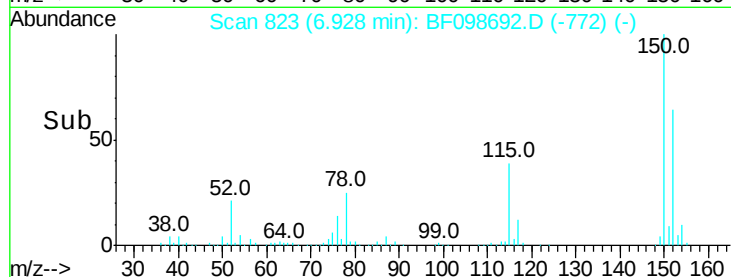
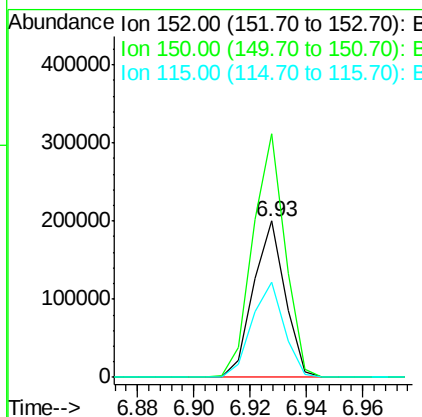
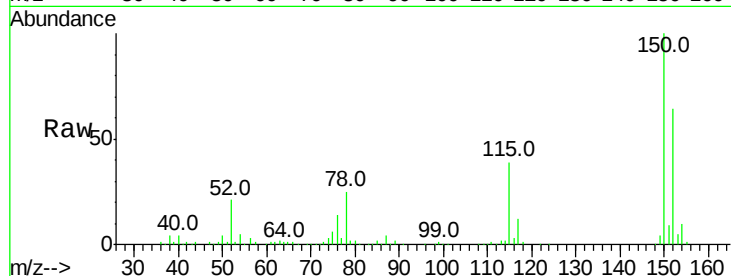
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Instrument :
BNA_F
ClientSampleId :
SP-B-L-SIDE-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	60.6	50.1	75.1

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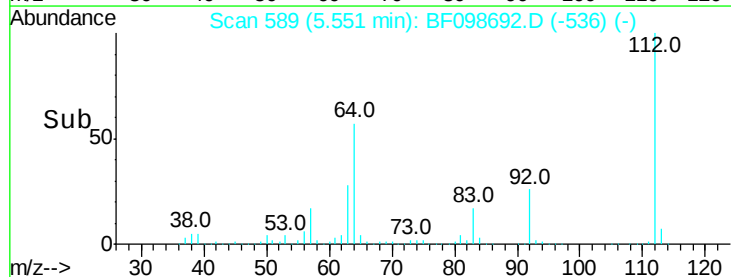
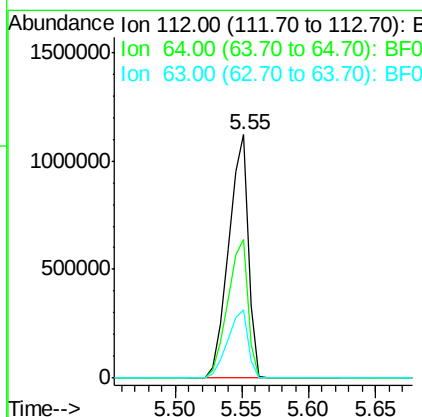
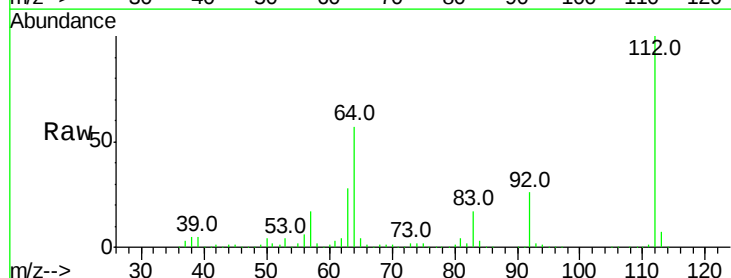
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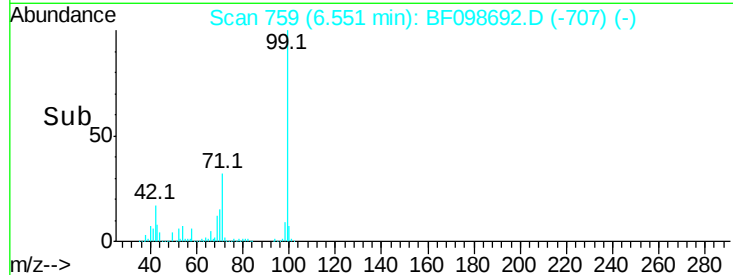
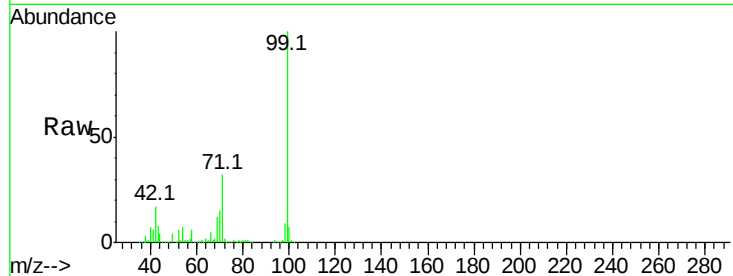


#5

2-Fluorophenol
Concen: 113.152 ng
RT: 5.55 min Scan# 589
Delta R.T. 0.01 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 112.514 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF098692.D

Acq: 22 Sep 2017 11:39

Tot Ion:	99	Resp:	1408720
Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.5	21.7
71	31.6	25.4	38.0

Instrument :

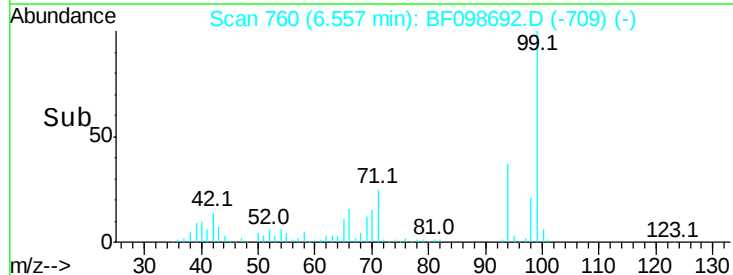
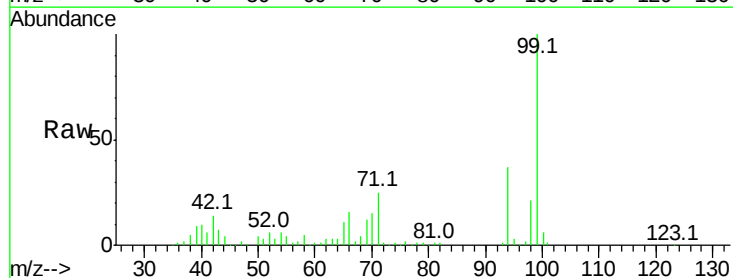
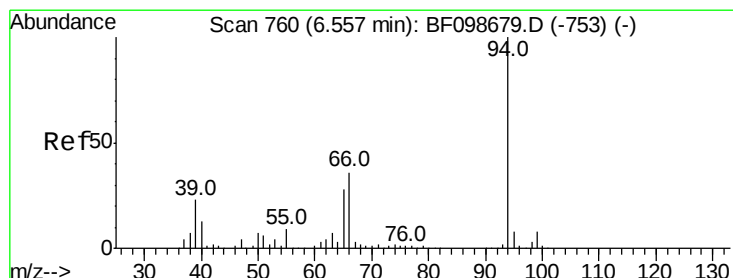
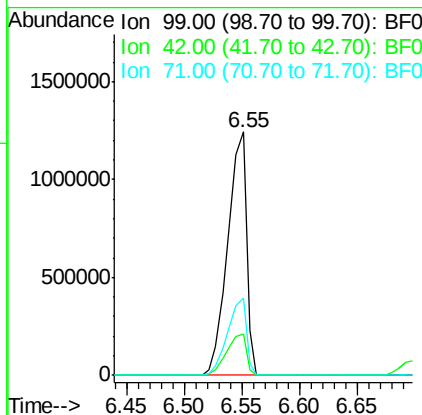
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#10

Phenol

Concen: 3.732 ng

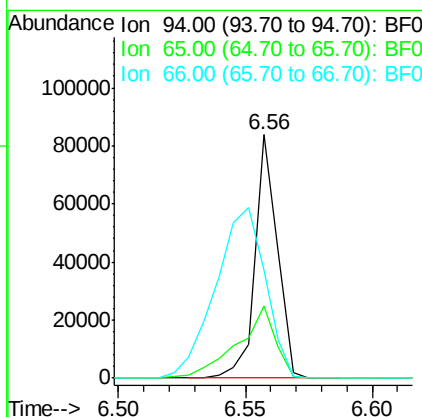
RT: 6.56 min Scan# 760

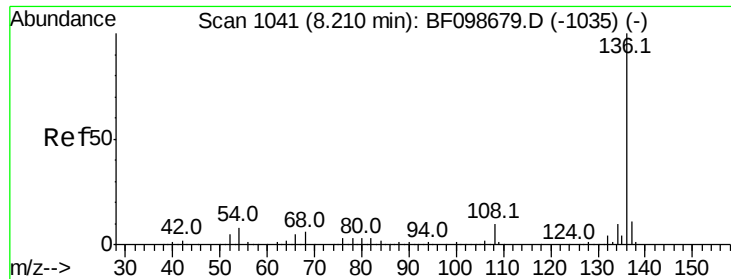
Delta R.T. 0.00 min

Lab File: BF098692.D

Acq: 22 Sep 2017 11:39

Tgt Ion:	94	Resp:	51574
Ion	Ratio	Lower	Upper
94	100		
65	29.4	7.9	47.9
66	44.1	16.2	56.2





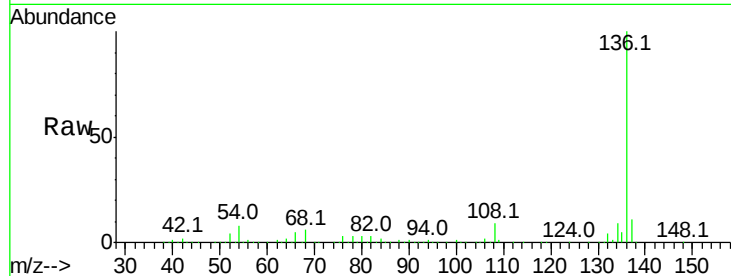
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Instrument :
BNA_F
ClientSampleId :
SP-B-L-SIDE-COMP

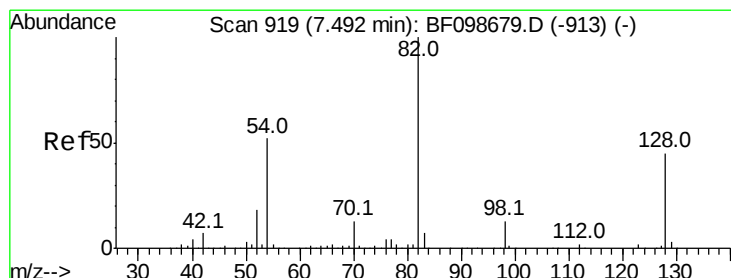
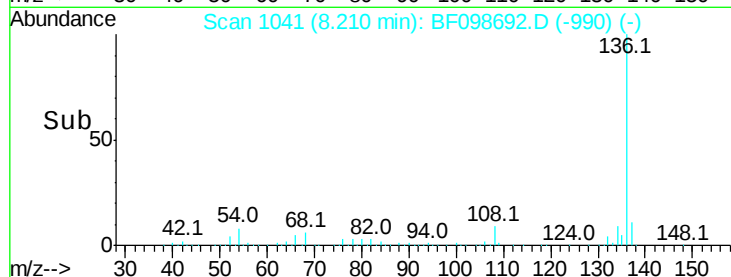
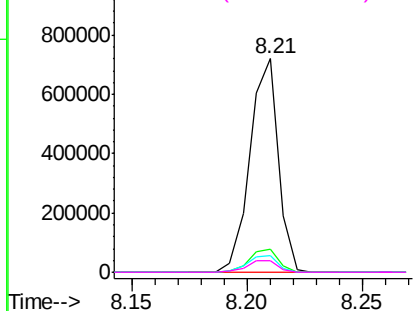
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	7.5	6.6	9.8	
68	5.7	5.0	7.4	

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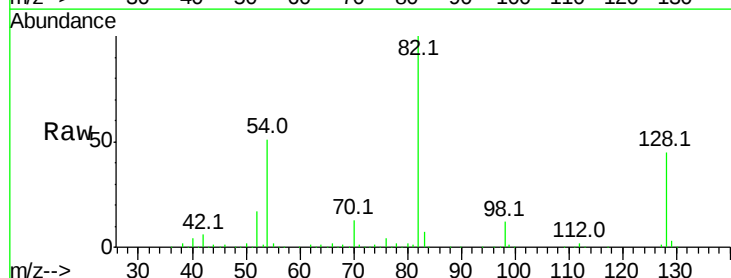


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

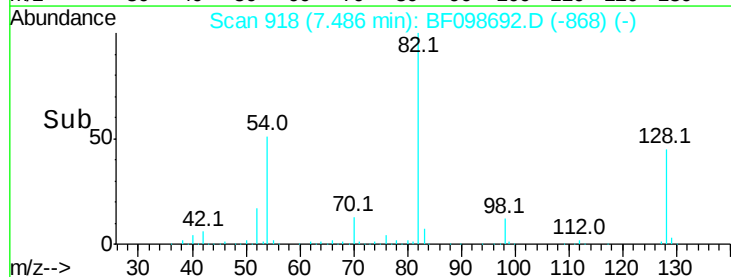
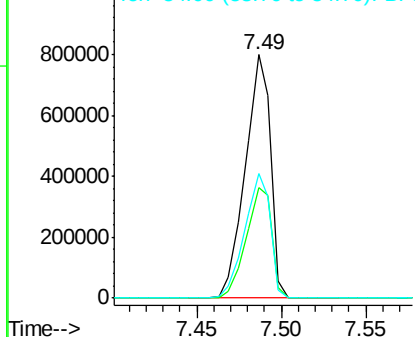


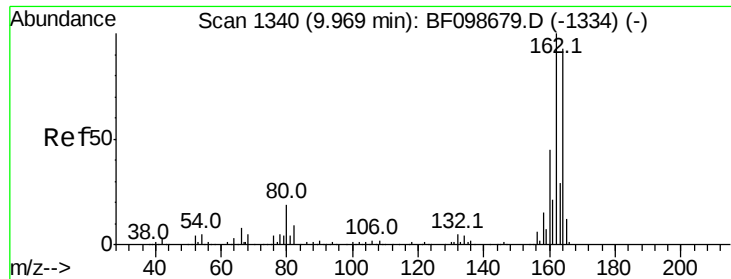
#23
Nitrobenzene-d5
Concen: 91.261 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	36.1	54.1	
54	50.9	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF098692.D

Acq: 22 Sep 2017 11:39

Instrument :

BNA_F

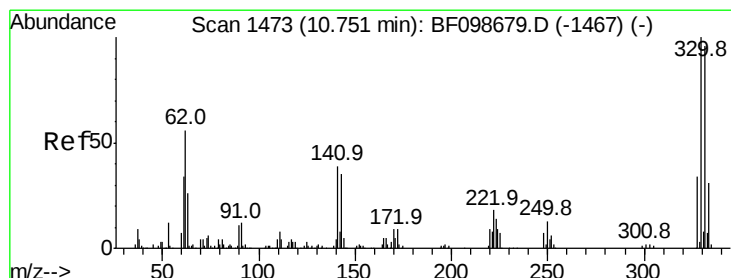
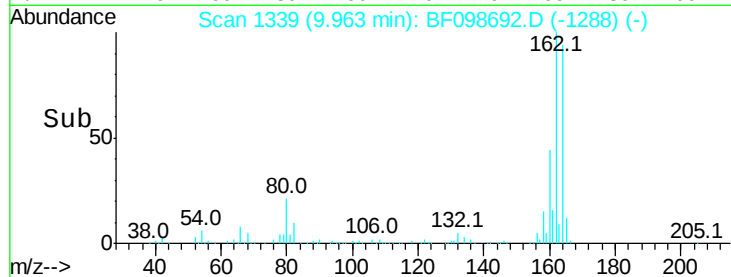
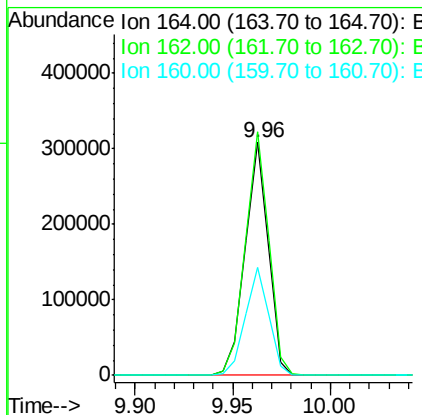
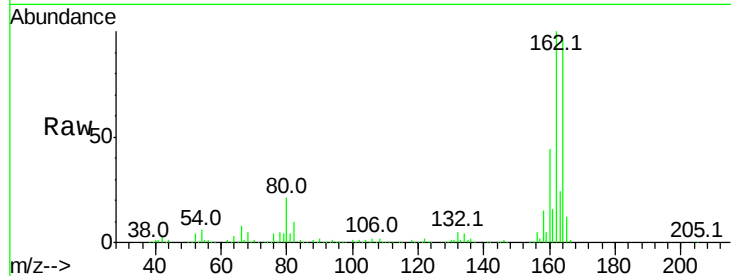
ClientSampleId :

SP-B-L-SIDE-COMP

Tot Ion:	164	Resp:	255050
Ion Ratio	Lower	Upper	
164	100		
162	104.4	86.1	129.1
160	46.4	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 111.247 ng

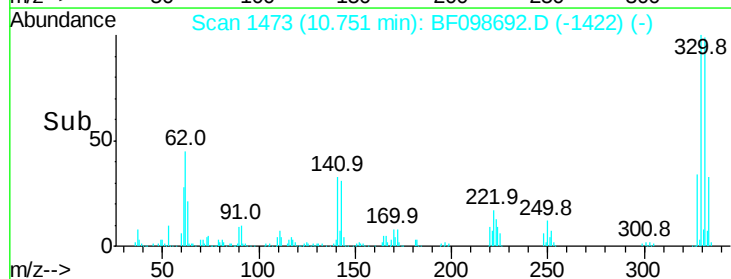
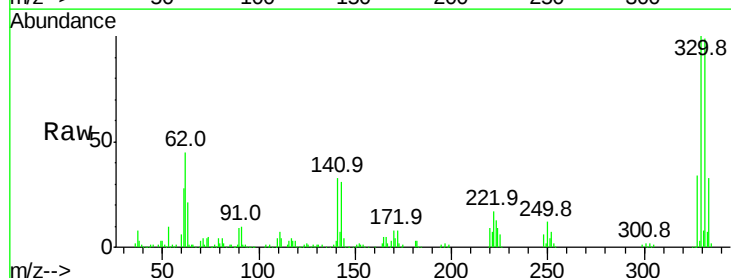
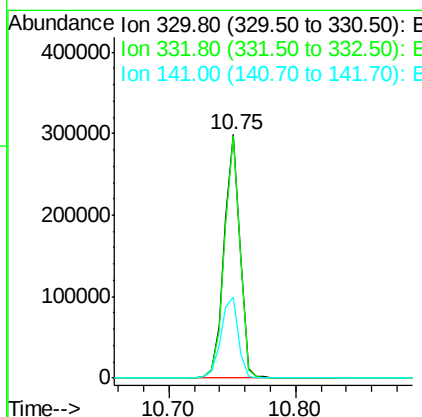
RT: 10.75 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BF098692.D

Acq: 22 Sep 2017 11:39

Tgt Ion:	330	Resp:	259482
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.0	115.6
141	37.2	29.9	44.9





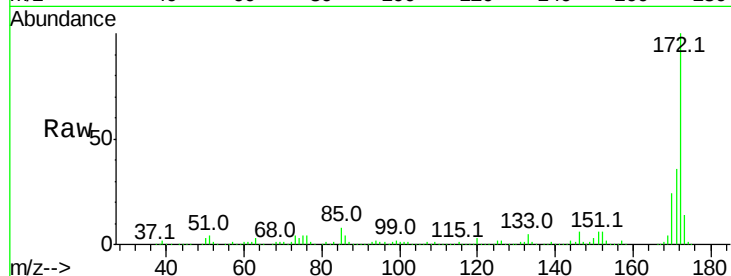
#44
2-Fluorobiphenyl
Concen: 86.569 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Instrument :
BNA_F
ClientSampleId :
SP-B-L-SIDE-COMP

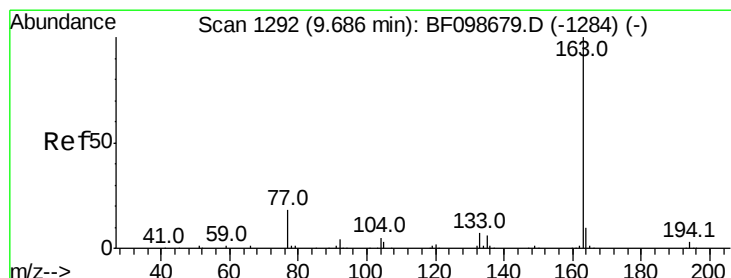
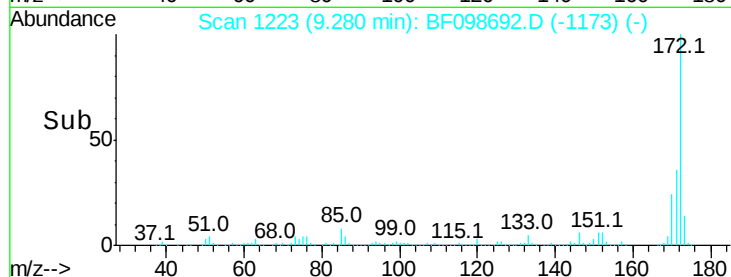
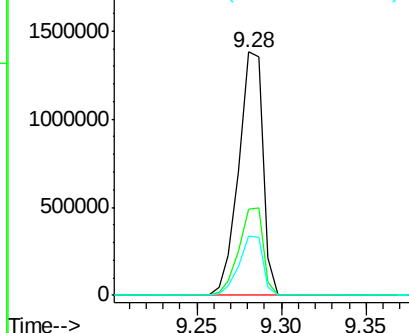
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.1	19.6	29.4

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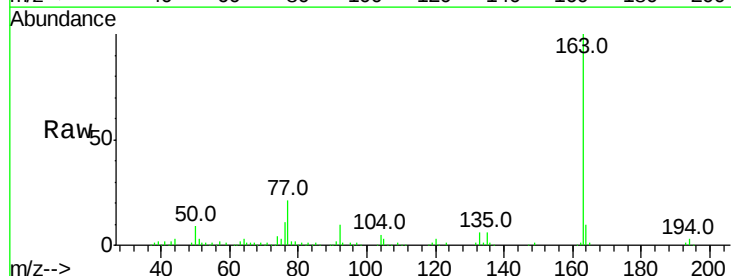


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

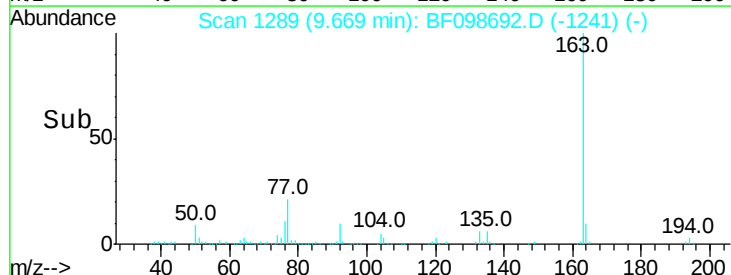
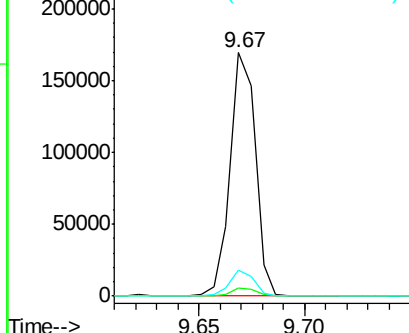


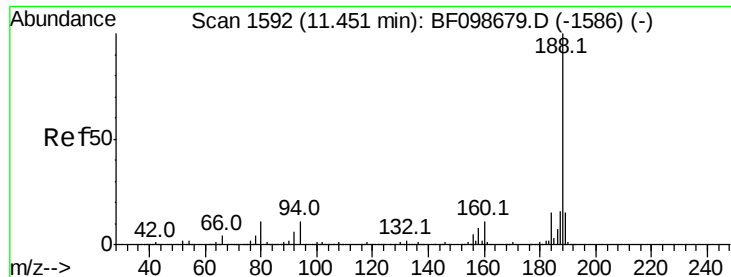
#49
Dimethylphthalate
Concen: 7.296 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.5	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





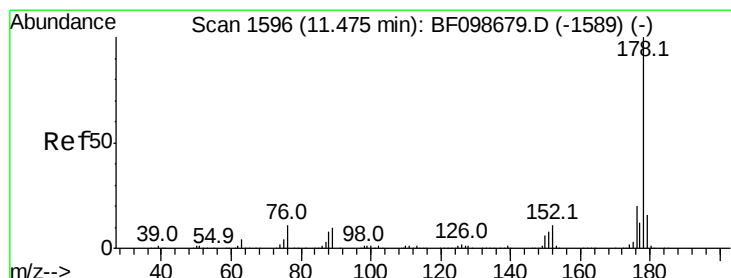
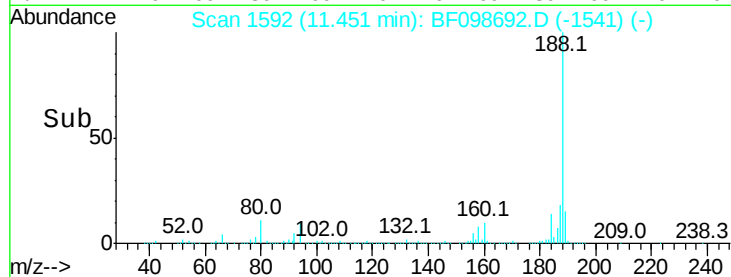
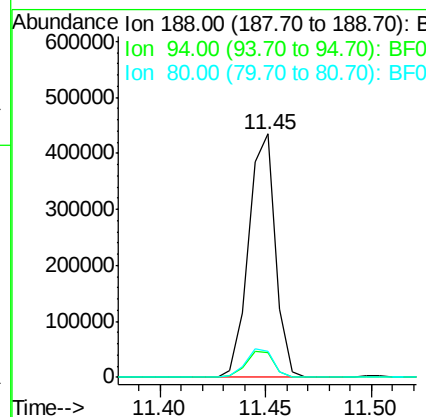
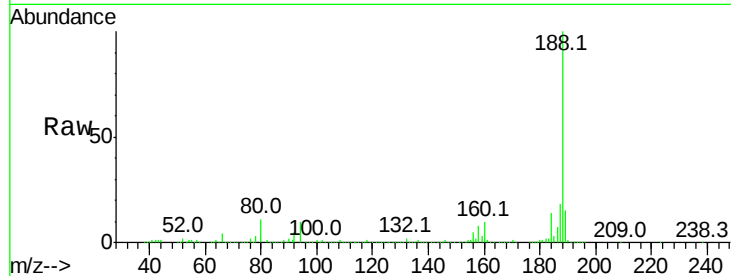
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Instrument :
BNA_F
ClientSampleId :
SP-B-L-SIDE-COMP

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.7	9.2	13.8

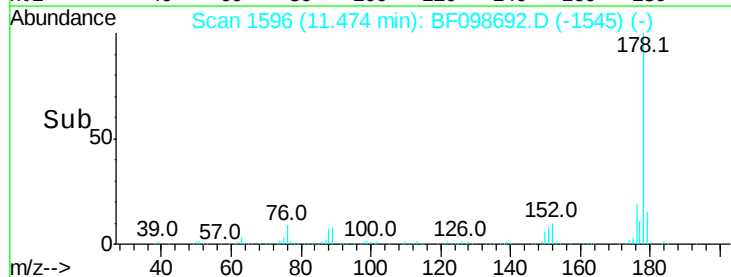
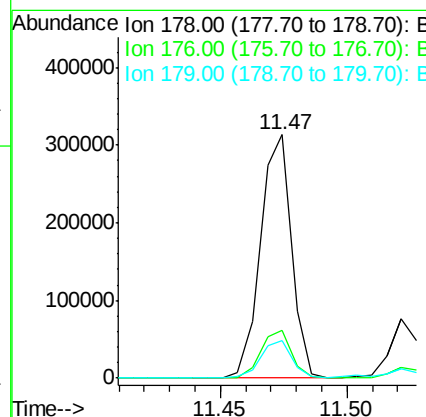
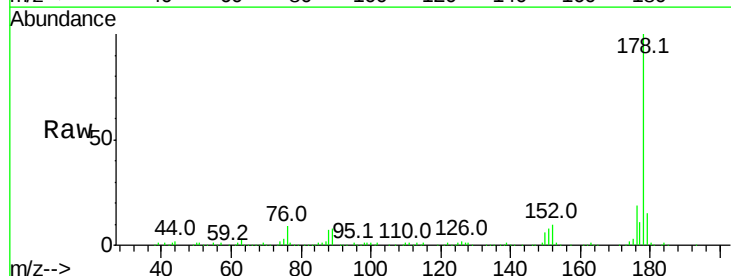
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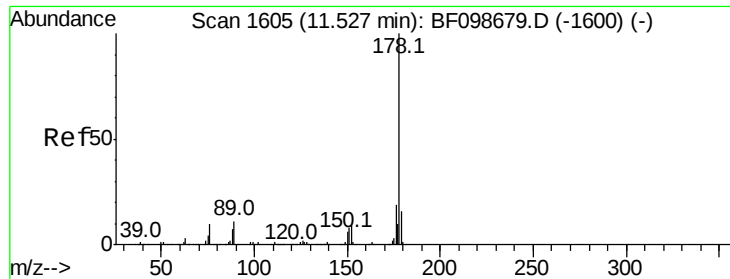
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#70
Phenanthrene
Concen: 13.022 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

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





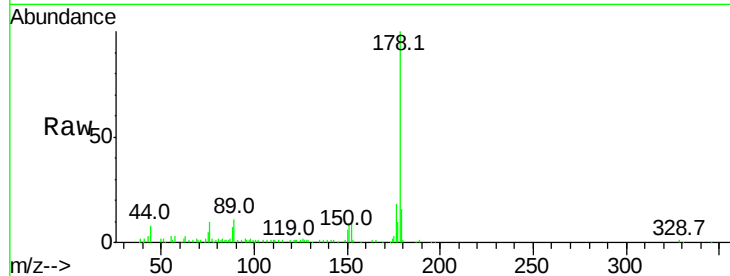
#71
 Anthracene
 Concen: 2.735 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF098692.D
 Acq: 22 Sep 2017 11:39

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-L-SIDE-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.4	12.6	19.0

Manual Integrations
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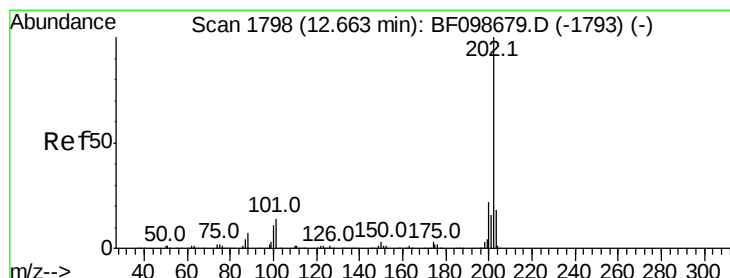
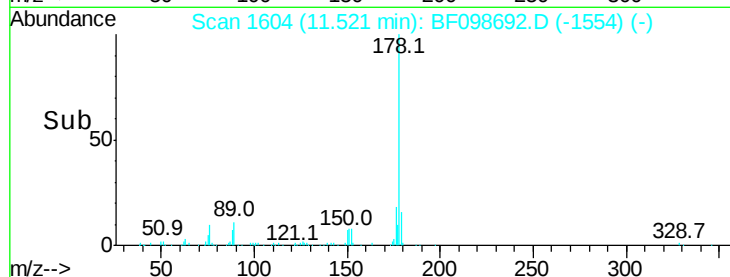
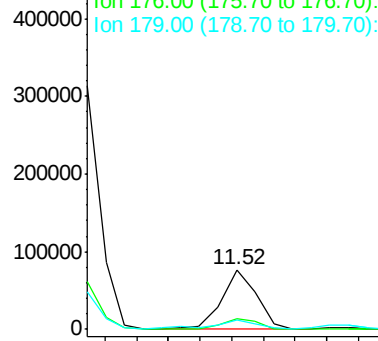


Abundance

Ion 178.00 (177.70 to 178.70): E

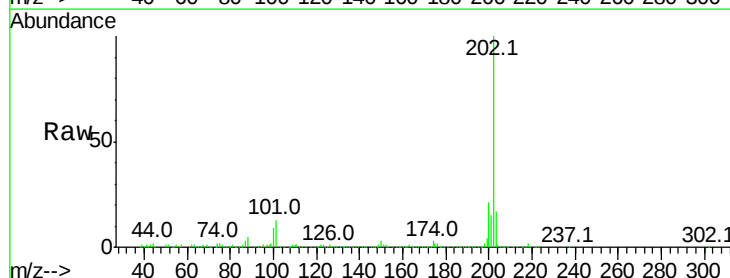
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 17.663 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: BF098692.D
 Acq: 22 Sep 2017 11:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.2	0.0	38.1

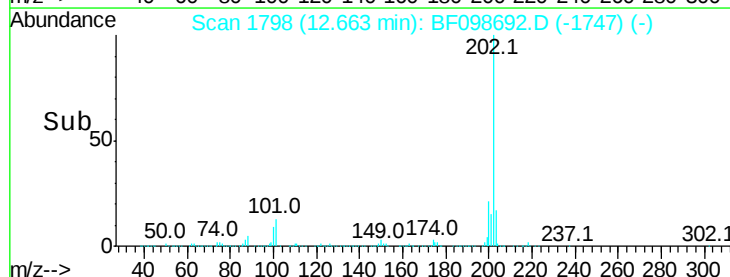
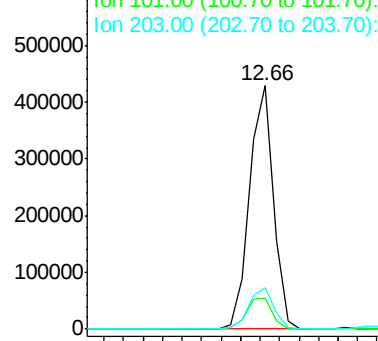


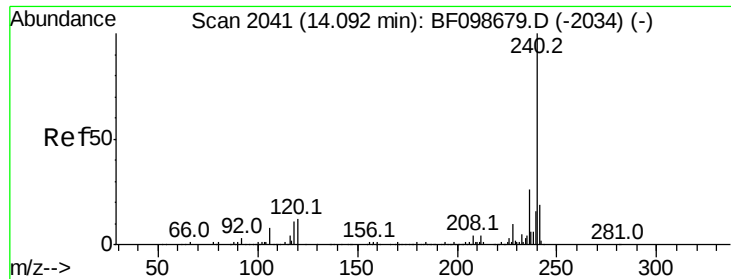
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF098692.D

Acq: 22 Sep 2017 11:39

Instrument :

BNA_F

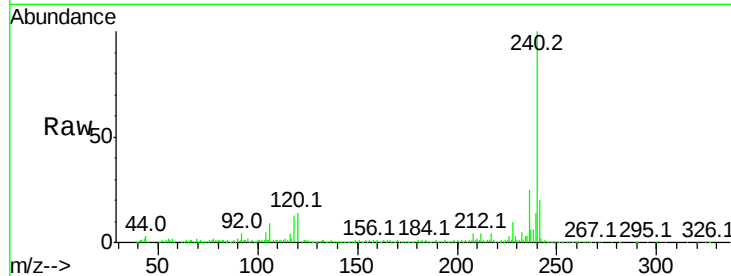
ClientSampleId :

SP-B-L-SIDE-COMP

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	25.4	20.7	31.1

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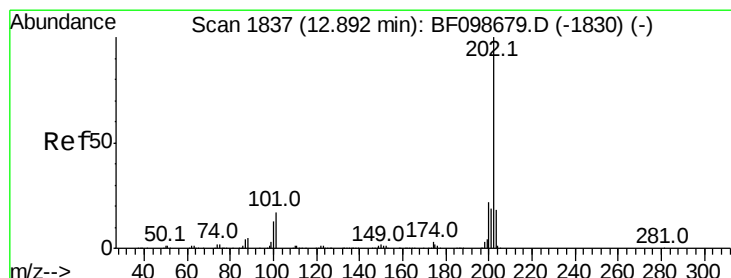
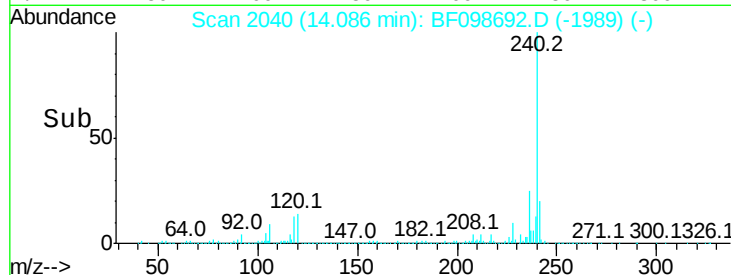
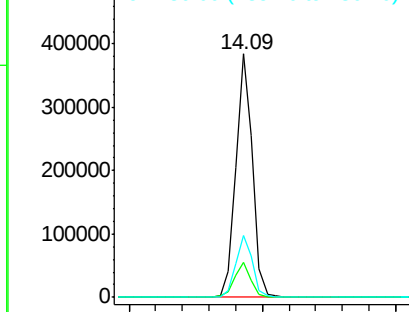


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.878 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF098692.D

Acq: 22 Sep 2017 11:39

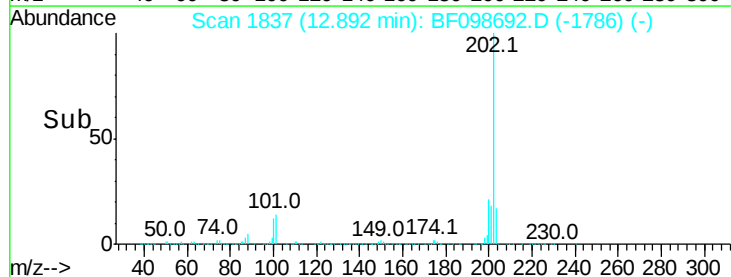
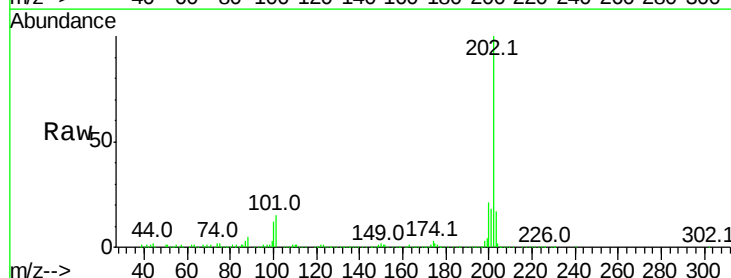
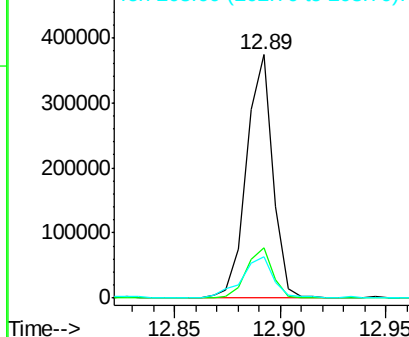
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.2	14.3	21.5

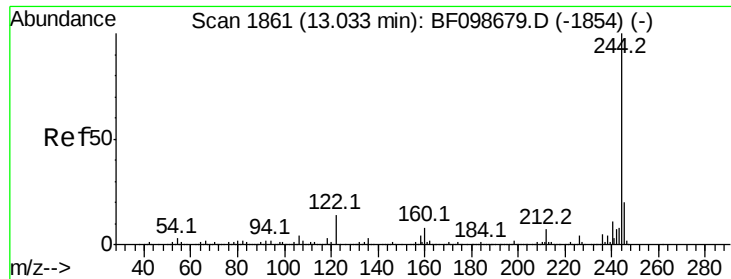
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





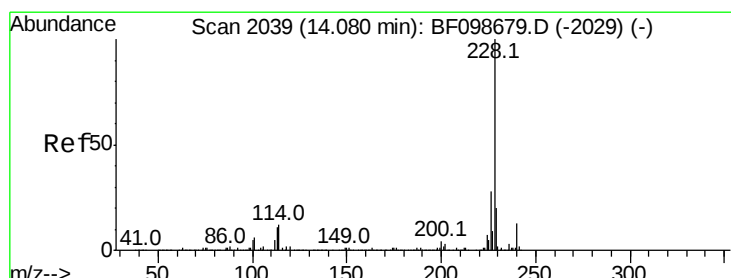
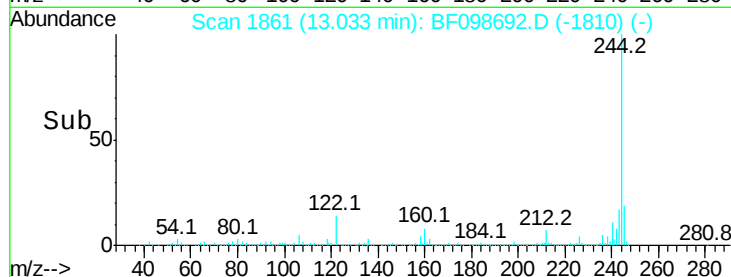
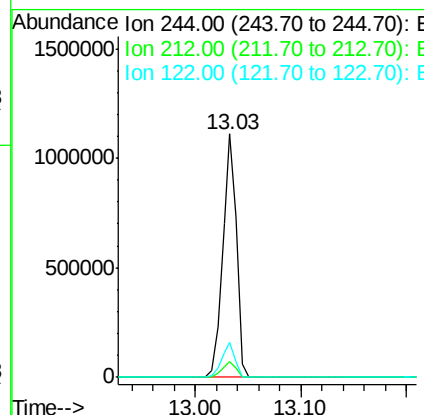
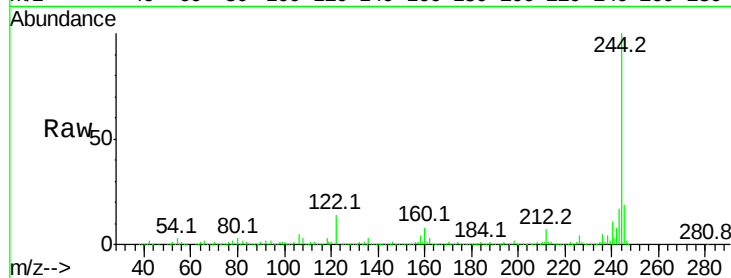
#78
 Terphenyl-d14
 Concen: 64.953 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: BF098692.D
 Acq: 22 Sep 2017 11:39

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-L-SIDE-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	14.4	11.0	16.4

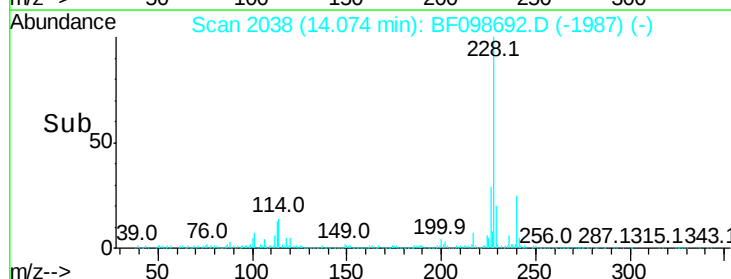
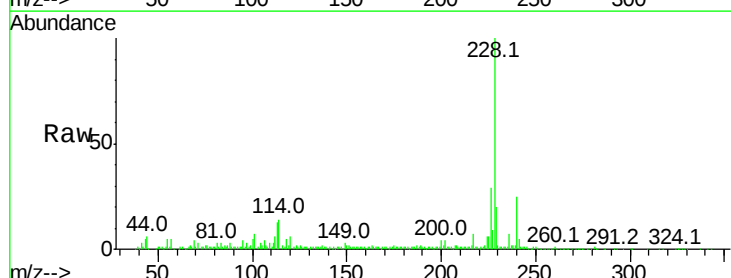
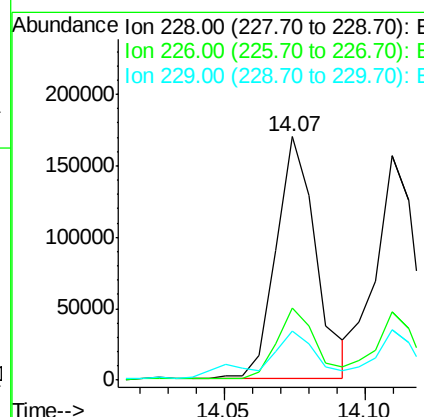
Manual Integrations
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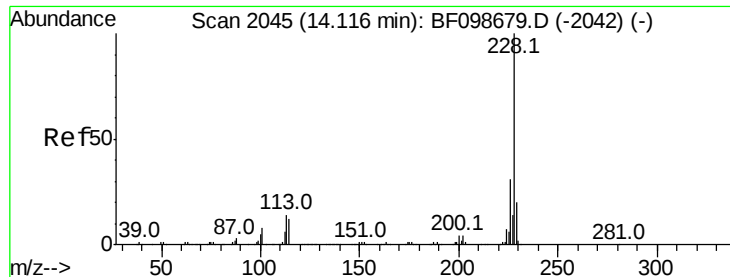
Sohil
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#80
 Benzo(a)anthracene
 Concen: 8.229 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. 0.00 min
 Lab File: BF098692.D
 Acq: 22 Sep 2017 11:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.0	15.8	23.6





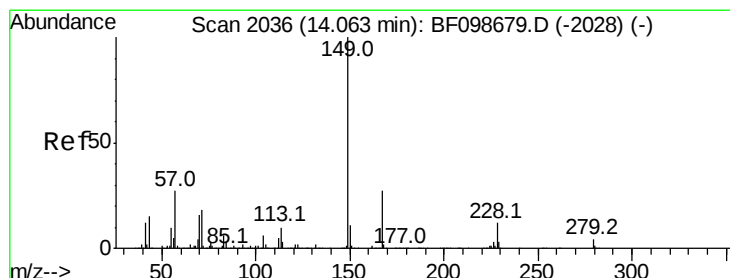
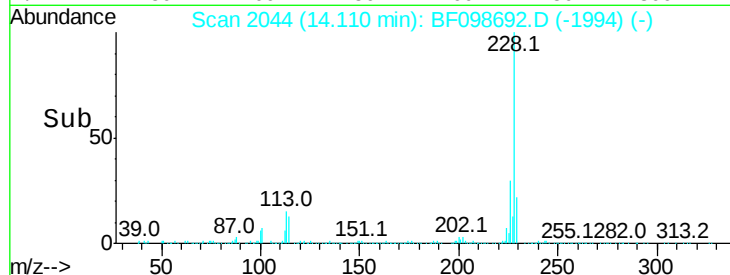
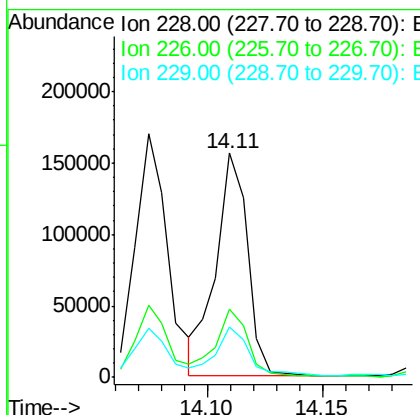
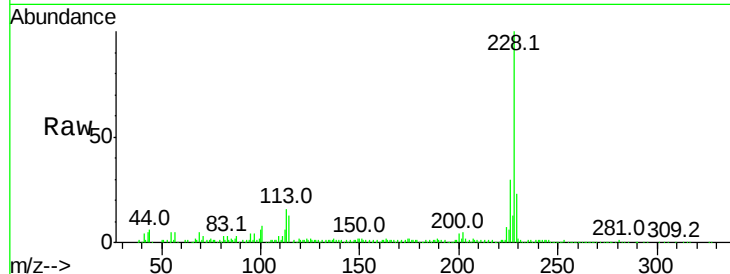
#82
 Chrysene
 Concen: 7.608 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF098692.D
 Acq: 22 Sep 2017 11:39

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-L-SIDE-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.7	16.2	24.4

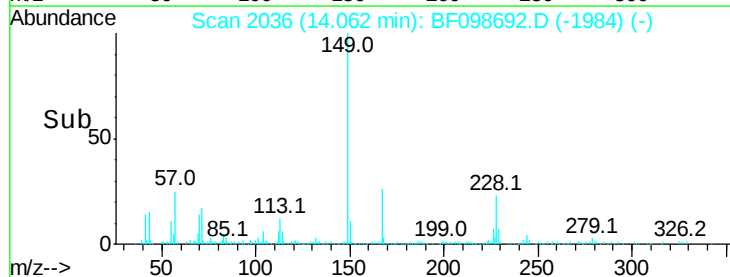
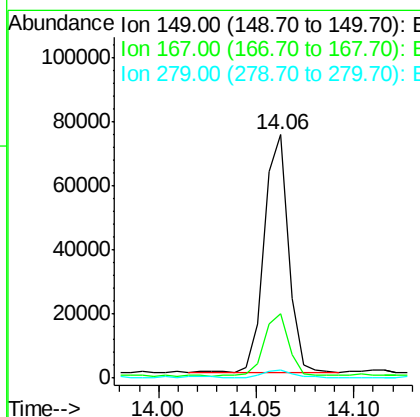
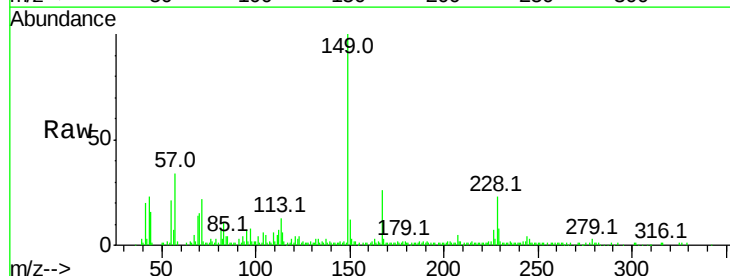
Manual Integrations
 APPROVED

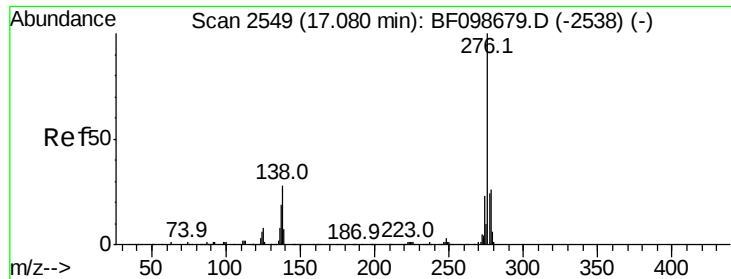
Sohil
 9/25/2017 6:21:01 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.517 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF098692.D
 Acq: 22 Sep 2017 11:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.3	31.9
279	3.1	3.0	4.4





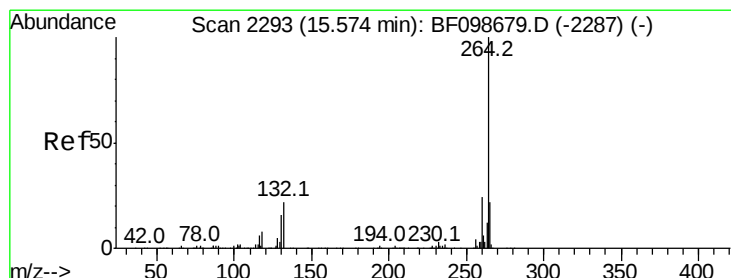
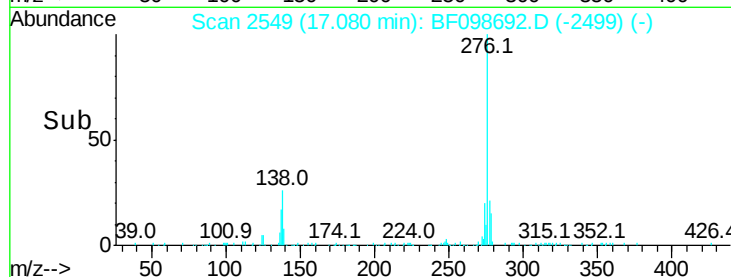
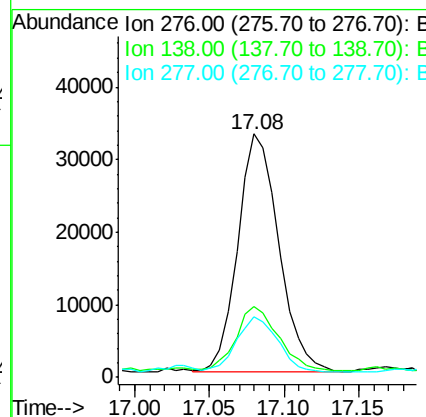
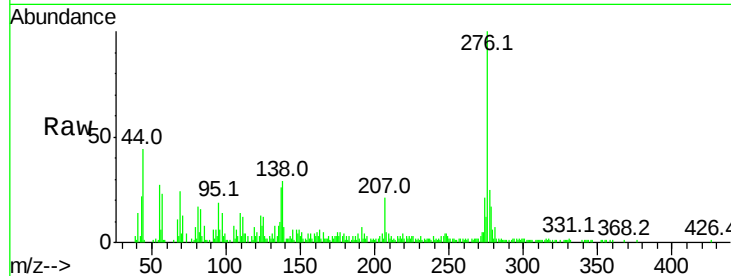
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.109 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Instrument :
BNA_F
ClientSampleId :
SP-B-L-SIDE-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	23.9	20.1	30.1

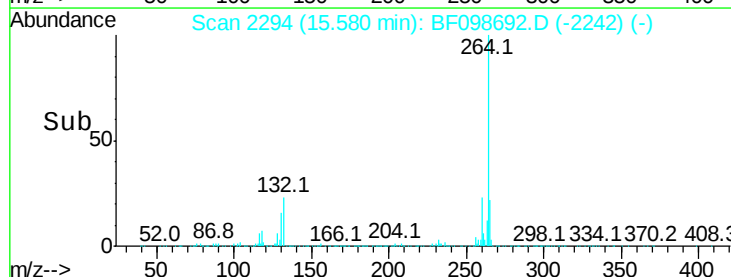
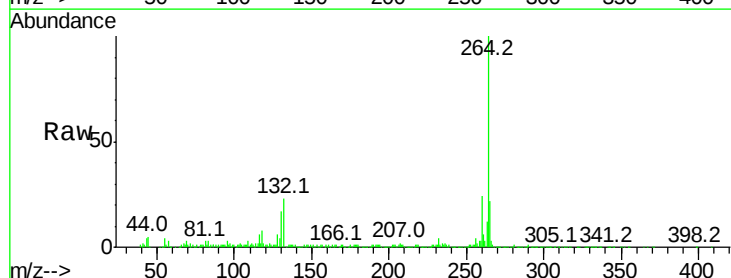
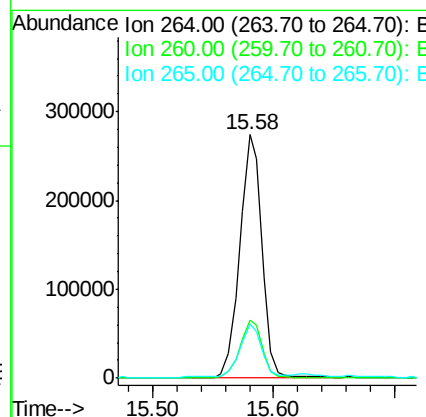
Manual Integrations
APPROVED

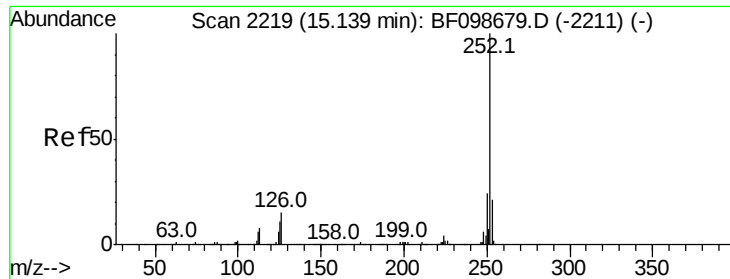
Sohil
9/25/2017 6:21:01 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.302 ng m

RT: 15.14 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BF098692.D

Acq: 22 Sep 2017 11:39

Instrument :

BNA_F

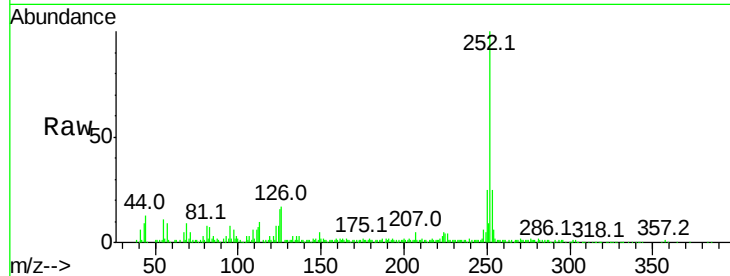
ClientSampleId :

SP-B-L-SIDE-COMP

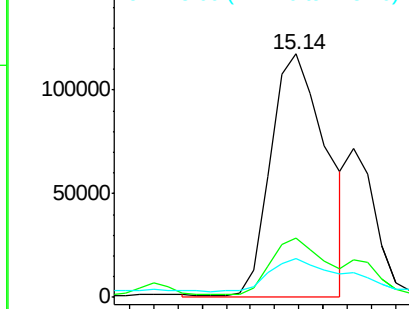
Tot Ion:	252	Resp:	188326
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.0	25.6
125	16.0	9.0	13.6#

Manual Integrations
APPROVED

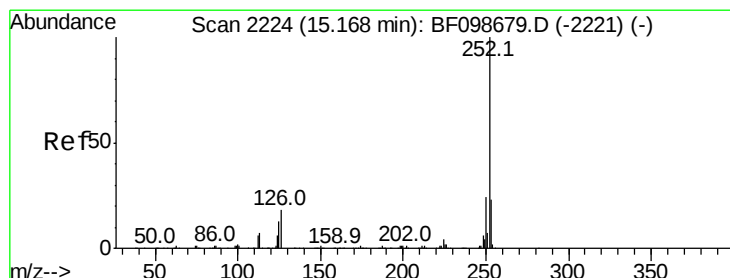
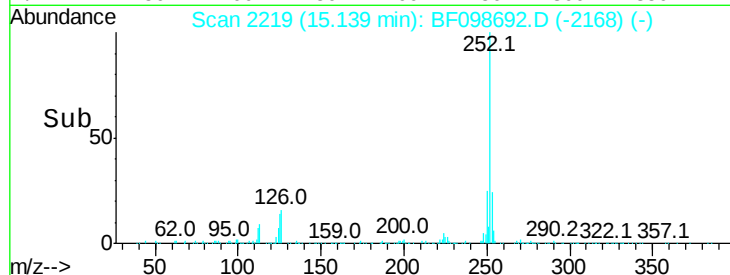
Sohil
9/25/2017 6:21:01 PM



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



Time-->



#88

Benzo(k)fluoranthene

Concen: 3.005 ng m

RT: 15.16 min Scan# 2223

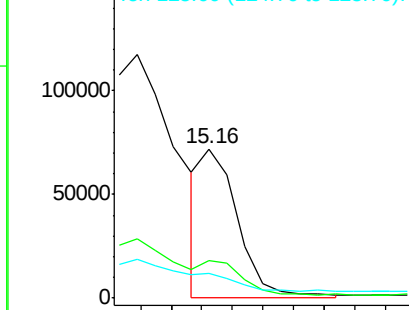
Delta R.T. -0.01 min

Lab File: BF098692.D

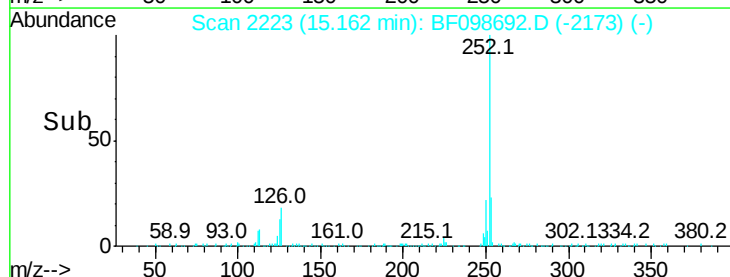
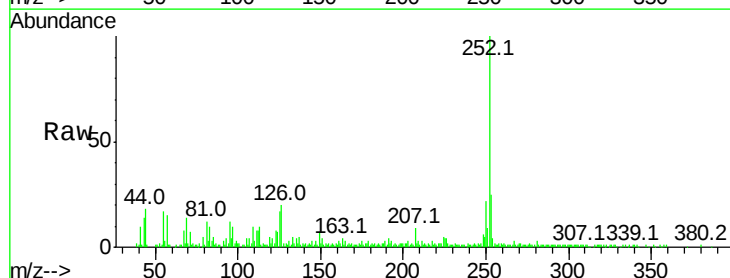
Acq: 22 Sep 2017 11:39

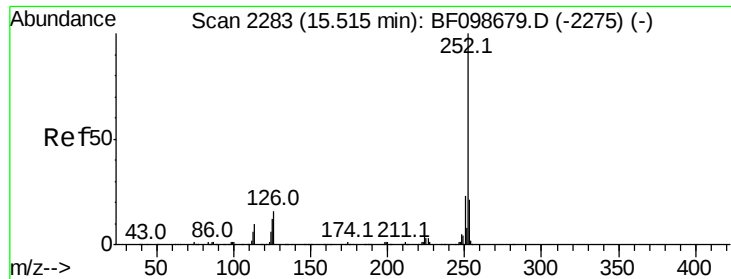
Tgt Ion:	252	Resp:	60801
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.9	26.9
125	16.6	10.2	15.2#

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



Time-->





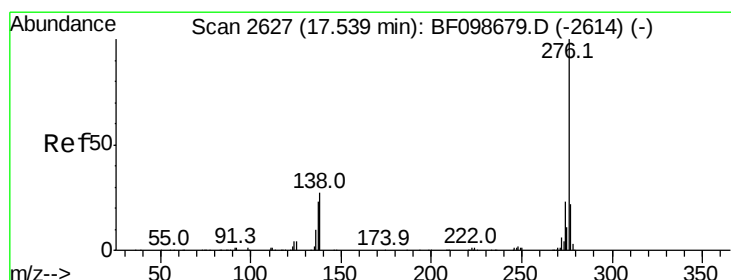
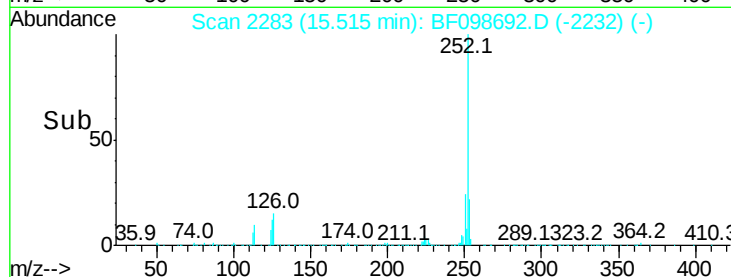
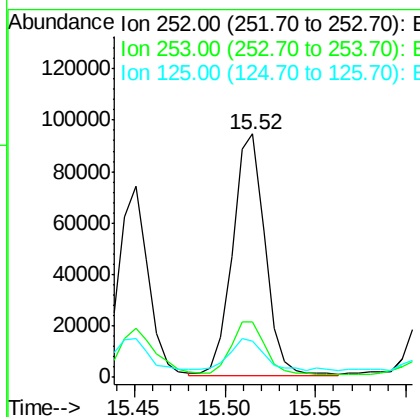
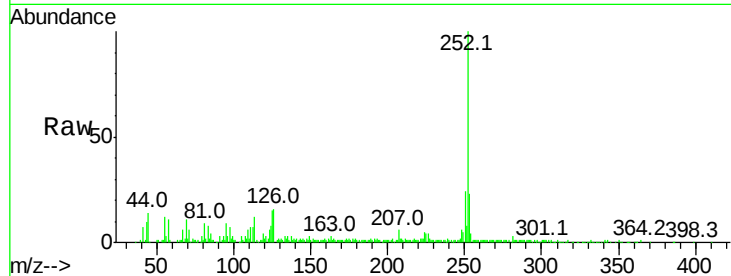
#89
Benzo(a)pyrene
Concen: 6.334 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Instrument :
BNA_F
ClientSampleId :
SP-B-L-SIDE-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.9	9.8	14.6

Manual Integrations
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Sohil
9/25/2017 6:21:01 PM



#91
Benzo(g,h,i)perylene
Concen: 3.553 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BF098692.D
Acq: 22 Sep 2017 11:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	29.6	21.8	32.8

