

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
 Data File : BF098362.D
 Acq On : 8 Sep 2017 20:39
 Operator : SJ/JU
 Sample : I5122-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-090617

Manual Integrations
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Quant Time: Sep 09 02:26:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	112010	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	415522	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	157879	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	253470	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	232978	20.00	ng	-0.02
86) Perylene-d12	15.26	264	160318	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	427835	58.10	ng	-0.01
7) Phenol-d6	6.33	99	558098	55.78	ng	-0.02
23) Nitrobenzene-d5	7.25	82	320122	41.85	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	74723	54.55	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	495112	46.07	ng	-0.03
78) Terphenyl-d14	12.79	244	344472	30.83	ng	-0.02
Target Compounds						
48) Acenaphthylene	9.58	152	69047	4.133	ng	Qvalue 96
49) Dimethylphthalate	9.44	163	52802	4.575	ng	99
51) Acenaphthene	9.75	154	24799	2.354	ng	98
57) Fluorene	10.26	166	39621	3.629	ng	95
70) Phenanthrene	11.23	178	403998	29.911	ng	98
71) Anthracene	11.27	178	142924	10.433	ng	97
72) Carbazole	11.43	167	37097	2.853	ng	98
74) Fluoranthene	12.42	202	722735	51.266	ng	99
77) Pyrene	12.65	202	688555	36.135	ng	98
80) Benzo(a)anthracene	13.83	228	382523	27.395	ng	96
82) Chrysene	13.87	228	347772	25.037	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	130436m	12.765	ng	
87) Benzo(b)fluoranthene	14.86	252	409530m	40.526	ng	
88) Benzo(k)fluoranthene	14.88	252	95685m	10.078	ng	
89) Benzo(a)pyrene	15.20	252	254691	28.470	ng	98
90) Dibenzo(a,h)anthracene	16.62	278	36064	4.952	ng	# 91
91) Benzo(g,h,i)perylene	17.03	276	124653	16.403	ng	# 91

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

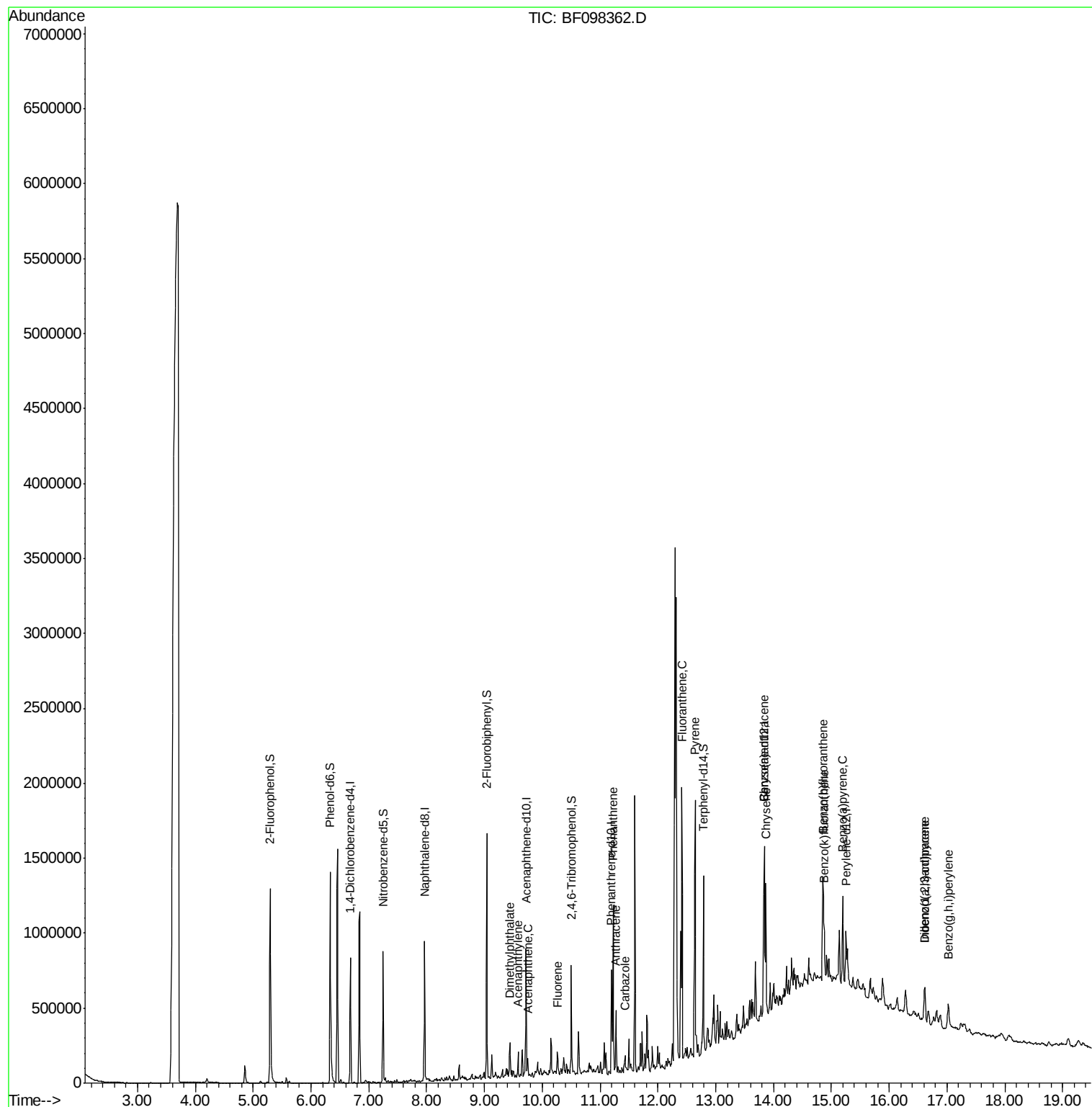
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
Data File : BF098362.D
Acq On : 8 Sep 2017 20:39
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ALS Vial : 17 Sample Multiplier: 1

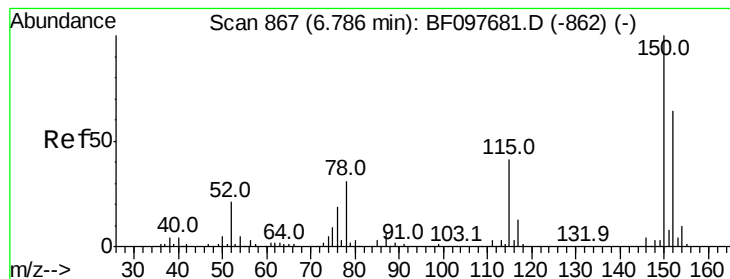
Instrument :
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ClientSampleId :
SU-04-090617

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#1

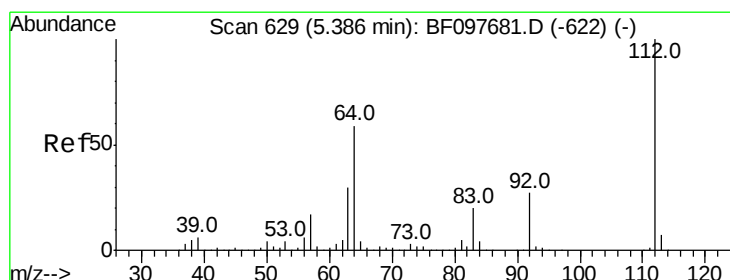
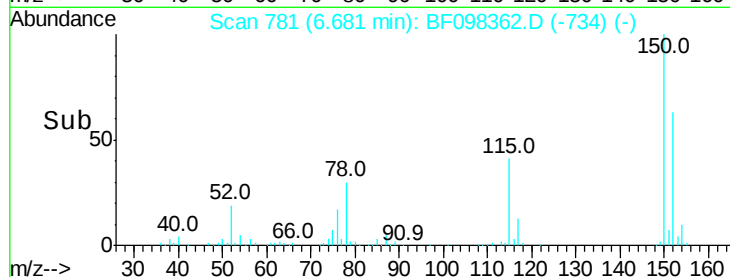
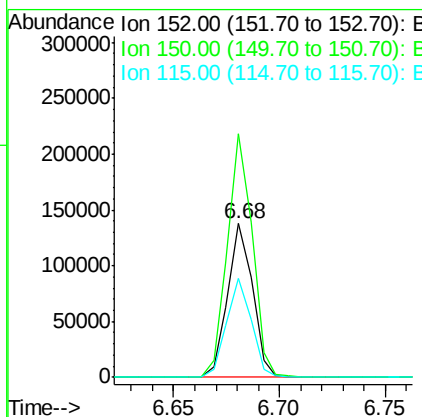
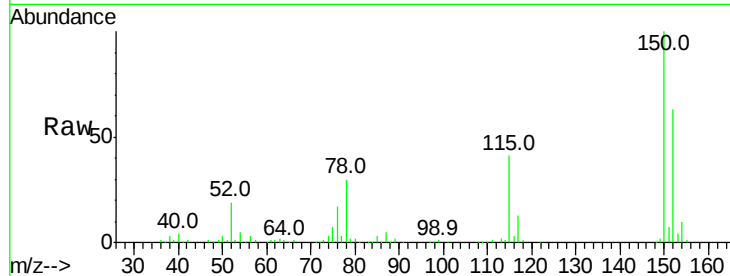
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Instrument :
BNA_F
ClientSampleId :
SU-04-090617

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.2	189.2
115	64.4	52.2	78.2

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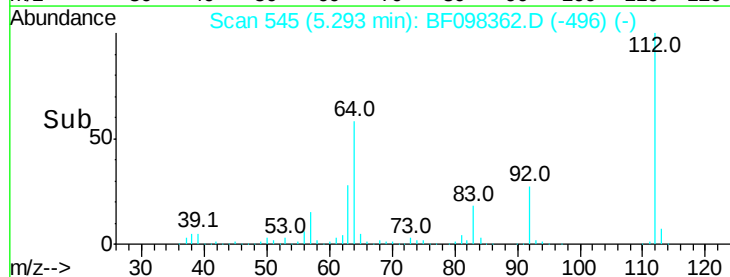
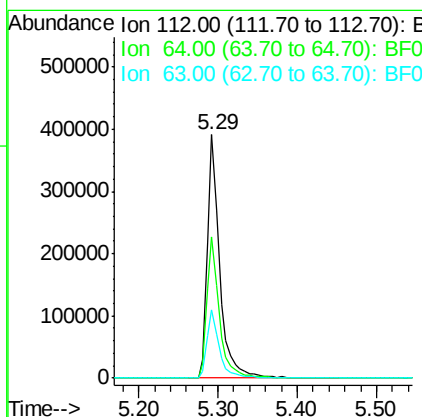
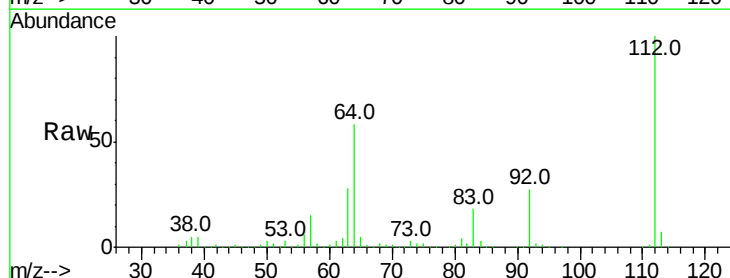
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#5

2-Fluorophenol
Concen: 58.099 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.0	69.0
63	28.1	23.4	35.0





#7

Phenol-d6

Concen: 55.780 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098362.D

Acq: 8 Sep 2017 20:39

Instrument :

BNA_F

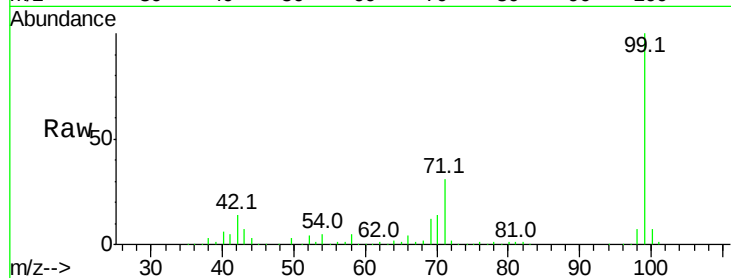
ClientSampleId :

SU-04-090617

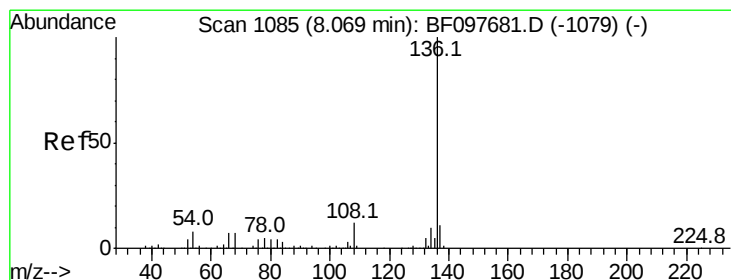
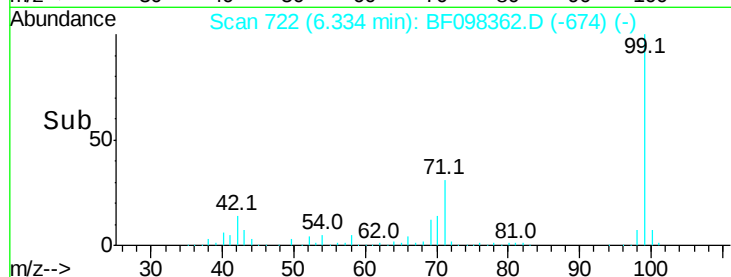
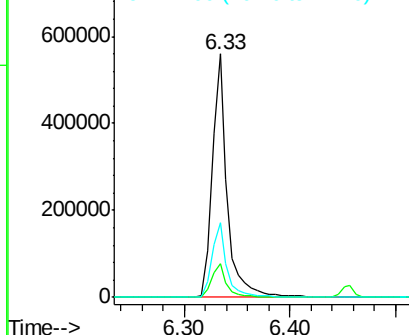
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		558098		
42	13.8	13.5	20.3		
71	30.8	24.5	36.7		

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

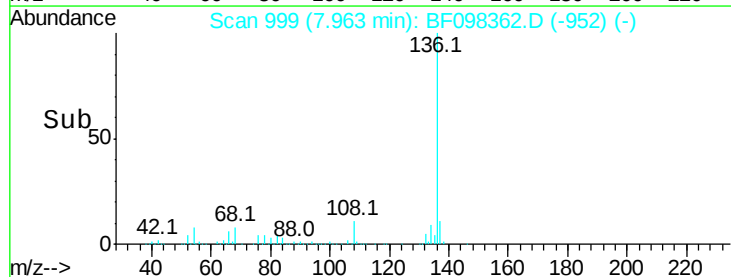
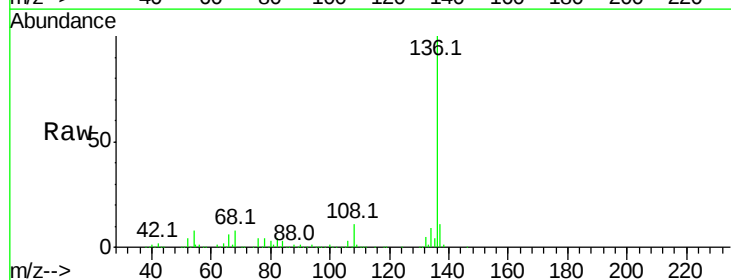
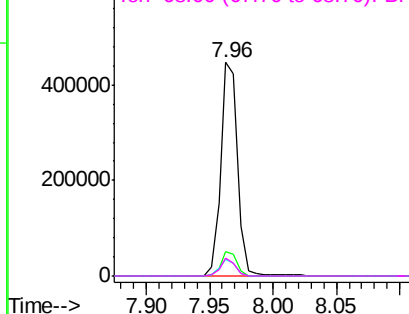
Delta R.T. -0.02 min

Lab File: BF098362.D

Acq: 8 Sep 2017 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		415522		
137	11.1	8.5	12.7		
54	7.9	4.9	7.3#		
68	8.1	4.1	6.1#		

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





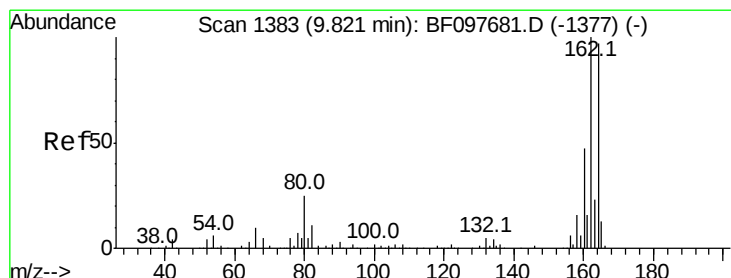
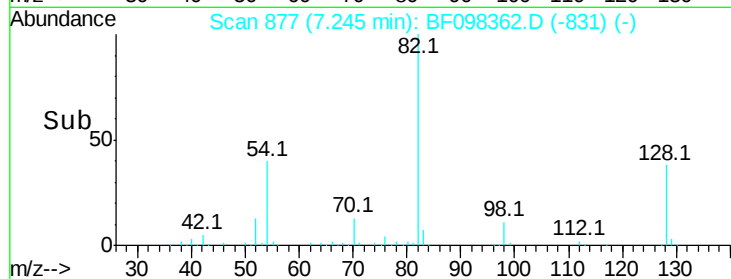
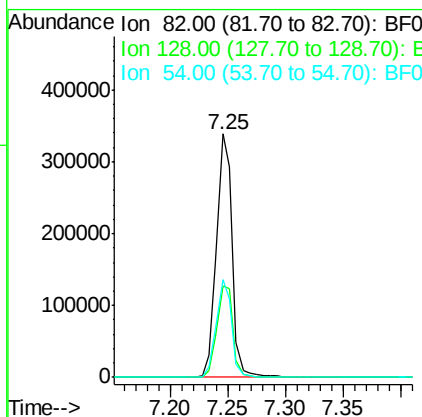
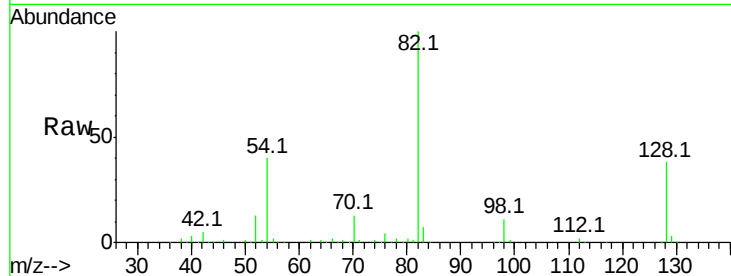
#23
Nitrobenzene-d5
Concen: 41.852 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.03 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Instrument :
BNA_F
ClientSampleId :
SU-04-090617

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.6	34.0	51.0	
54	40.0	42.2	63.2	

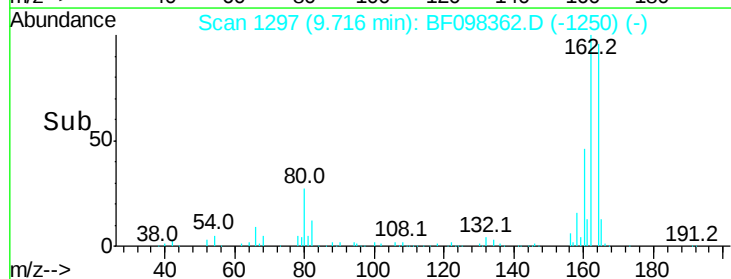
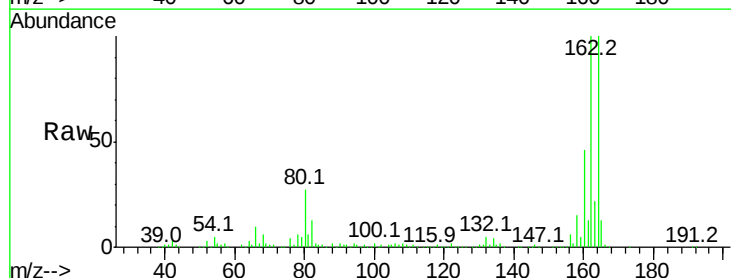
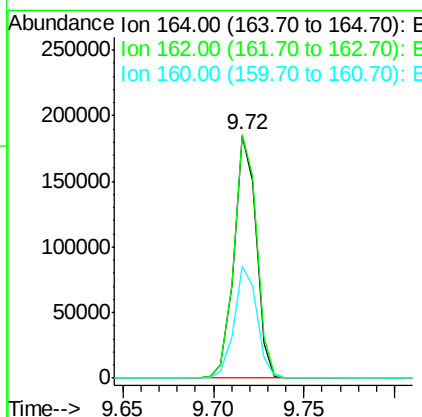
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.4	82.6	123.8	
160	45.9	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 54.548 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BF098362.D

Acq: 8 Sep 2017 20:39

Instrument :

BNA_F

ClientSampled :

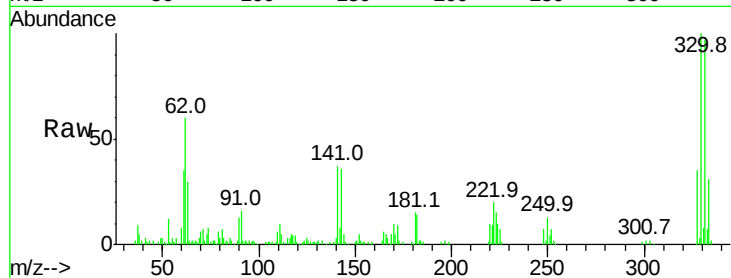
SU-04-090617

Tot Ion:	330	Resp:	74723
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.6	115.0
141	35.3	31.4	47.2

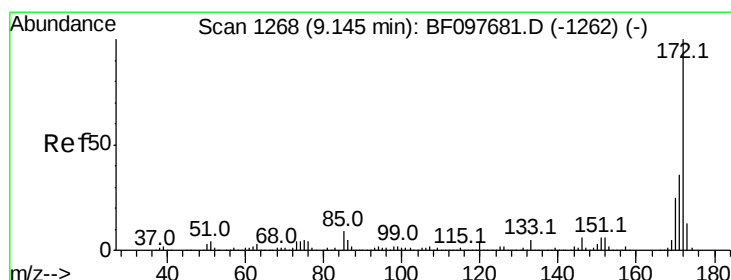
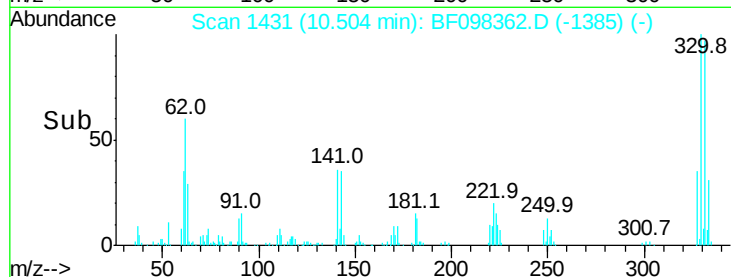
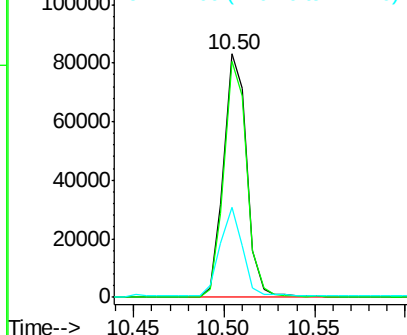
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 46.075 ng

RT: 9.04 min Scan# 1182

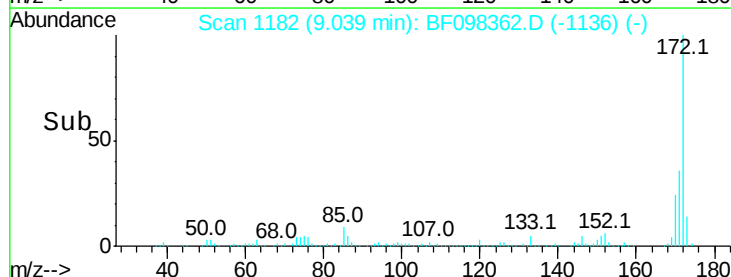
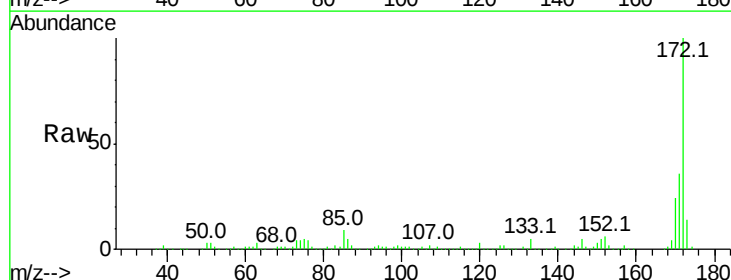
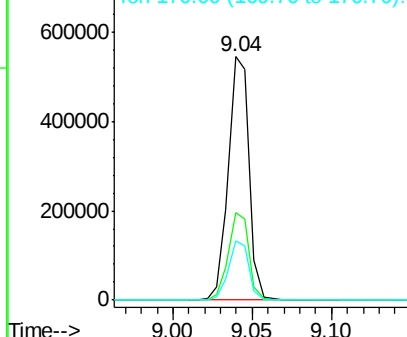
Delta R.T. -0.03 min

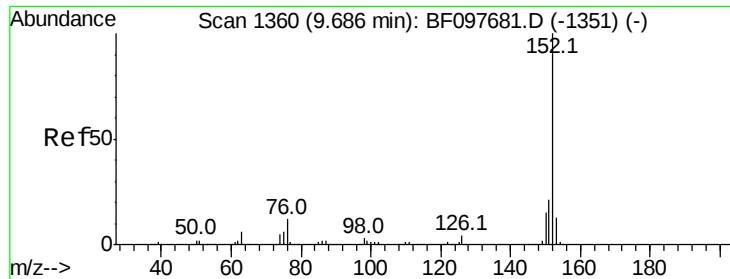
Lab File: BF098362.D

Acq: 8 Sep 2017 20:39

Tgt Ion:	172	Resp:	495112
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.6	44.4
170	24.4	19.8	29.8

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





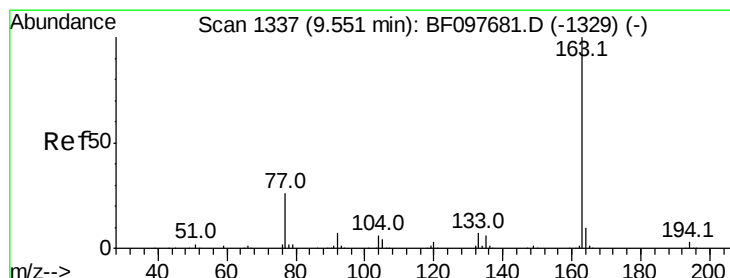
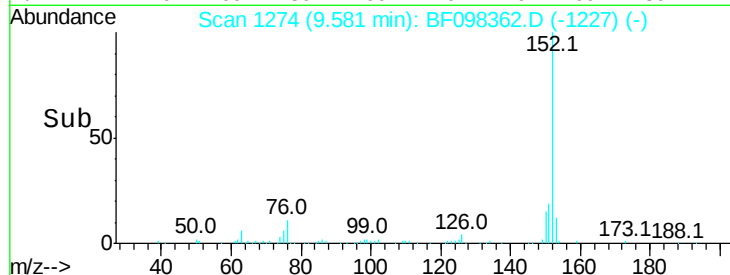
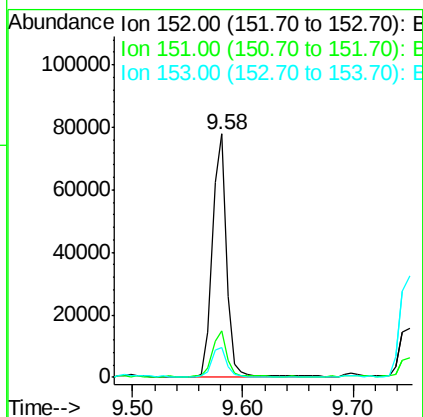
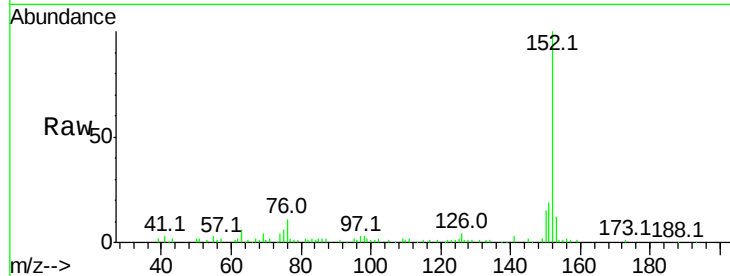
#48
 Acenaphthylene
 Concen: 4.133 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.02 min
 Lab File: BF098362.D
 Acq: 8 Sep 2017 20:39

Instrument :
 BNA_F
 ClientSampled :
 SU-04-090617

Tot Ion:	152	Resp:	69047
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.8	25.2
153	12.3	10.8	16.2

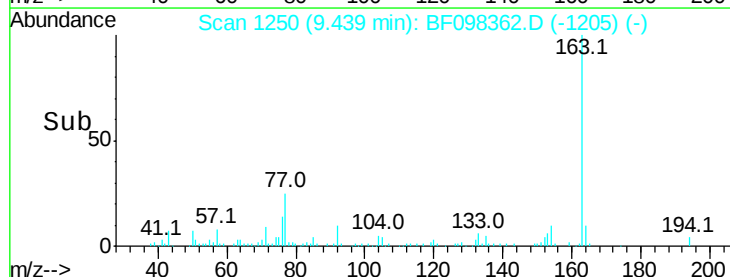
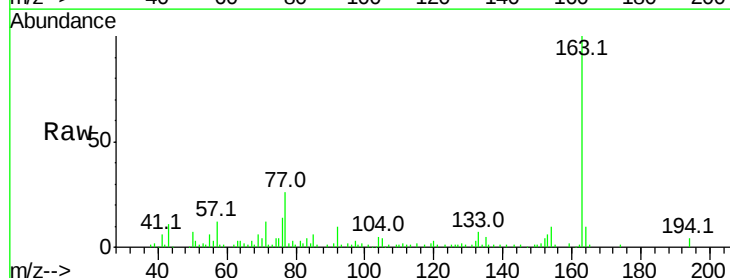
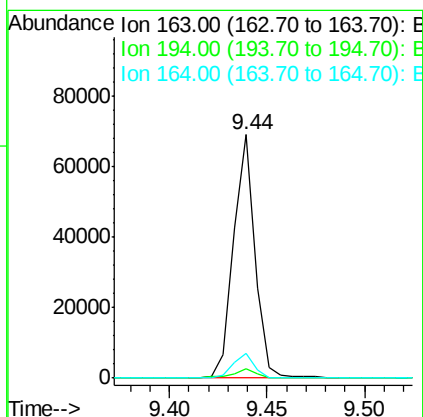
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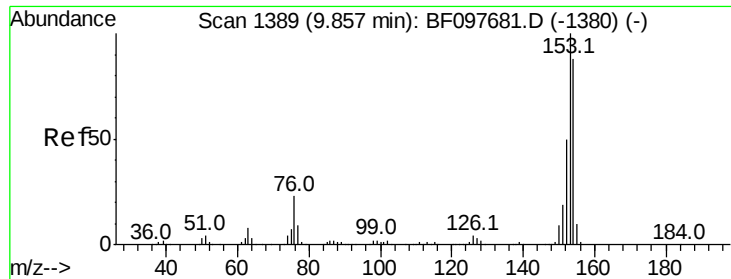
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#49
 Dimethylphthalate
 Concen: 4.575 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.04 min
 Lab File: BF098362.D
 Acq: 8 Sep 2017 20:39

Tgt Ion:	163	Resp:	52802
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	10.0	8.4	12.6





#51

Acenaphthene

Concen: 2.354 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF098362.D

Acq: 8 Sep 2017 20:39

Instrument :

BNA_F

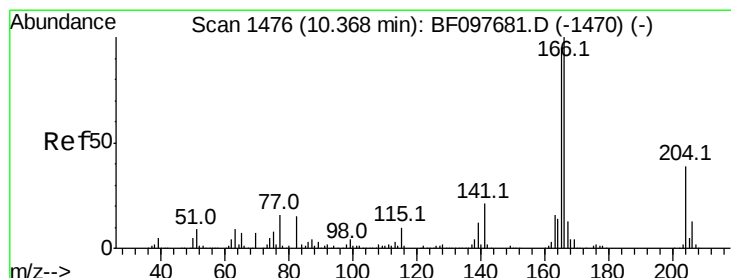
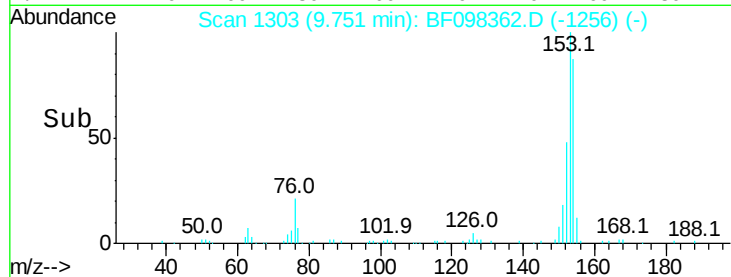
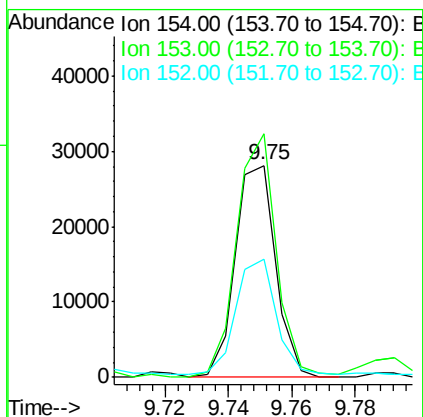
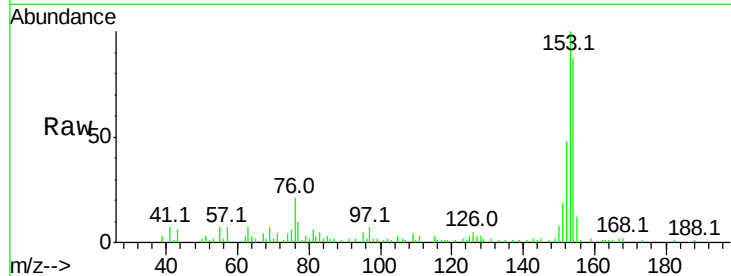
ClientSampleId :

SU-04-090617

Tot Ion:	154	Resp:	24799
Ion Ratio	Lower	Upper	
154	100		
153	114.7	90.5	135.7
152	55.5	43.6	65.4

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#57

Fluorene

Concen: 3.629 ng

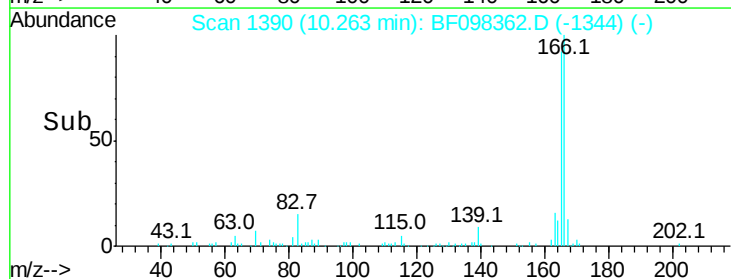
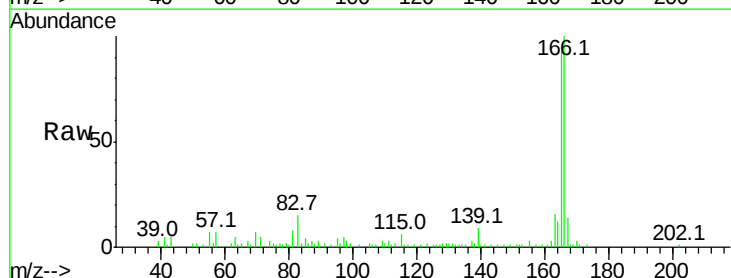
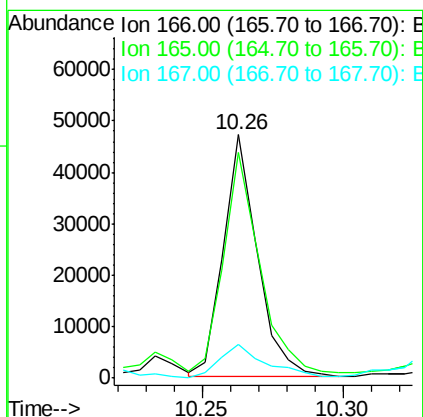
RT: 10.26 min Scan# 1390

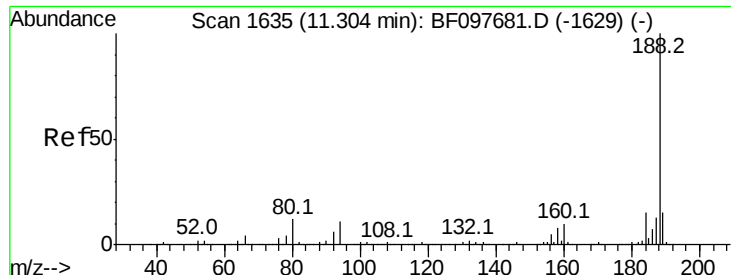
Delta R.T. -0.03 min

Lab File: BF098362.D

Acq: 8 Sep 2017 20:39

Tgt Ion:	166	Resp:	39621
Ion Ratio	Lower	Upper	
166	100		
165	92.7	78.8	118.2
167	14.0	10.6	16.0





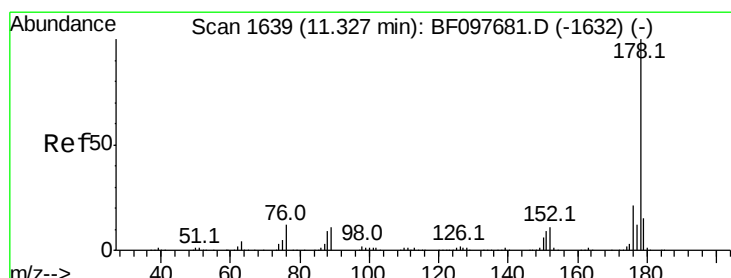
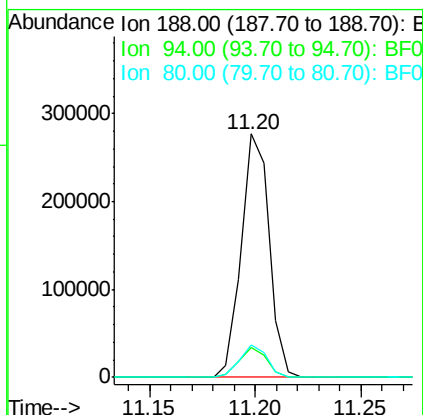
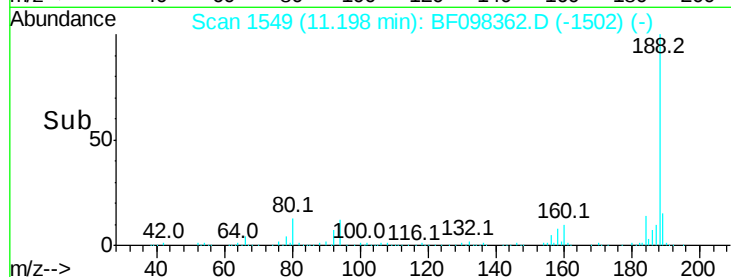
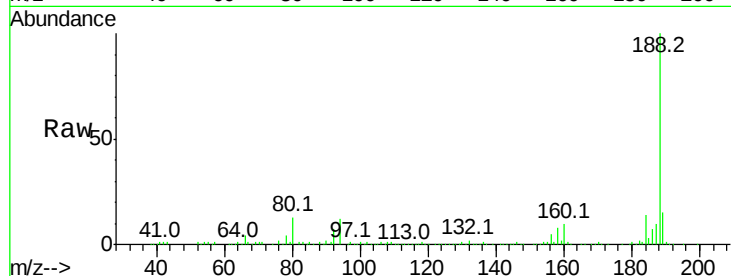
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Instrument :
BNA_F
ClientSampleId :
SU-04-090617

Tot Ion	Ratio	Resp	Lower	Upper
188	100	253470		
94	12.4		9.4	14.2
80	13.3		10.2	15.2

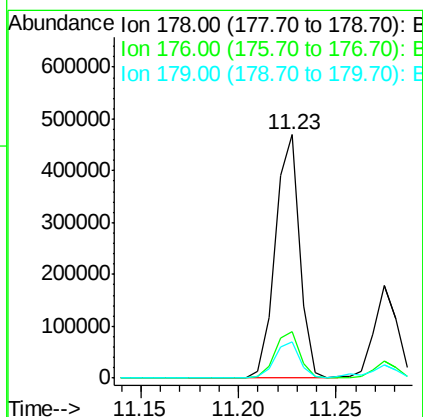
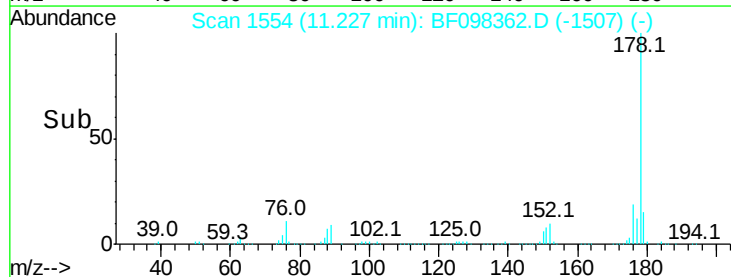
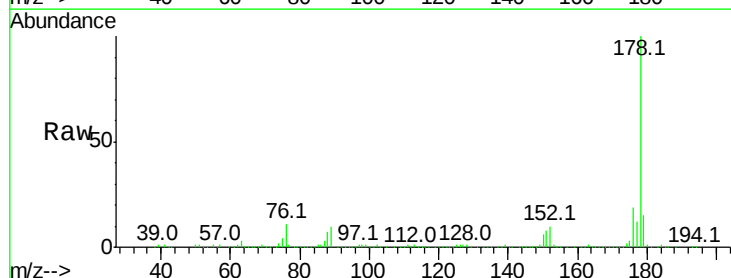
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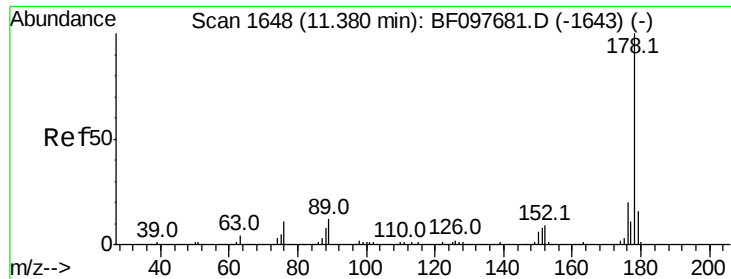
Sohil
9/11/2017 4:47:47 PM



#70
Phenanthrene
Concen: 29.911 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	403998		
176	19.3		16.2	24.4
179	15.0		12.6	19.0





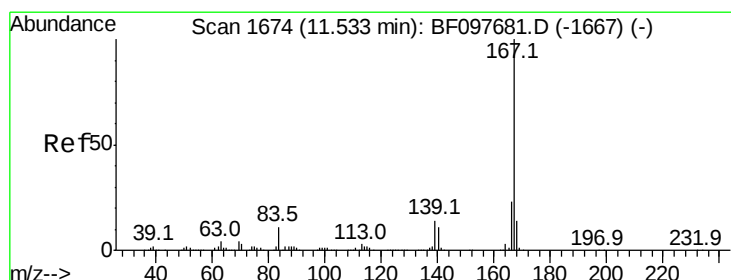
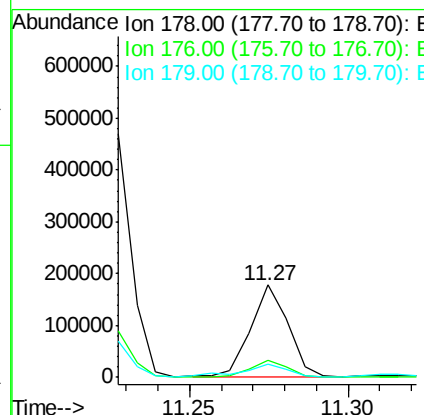
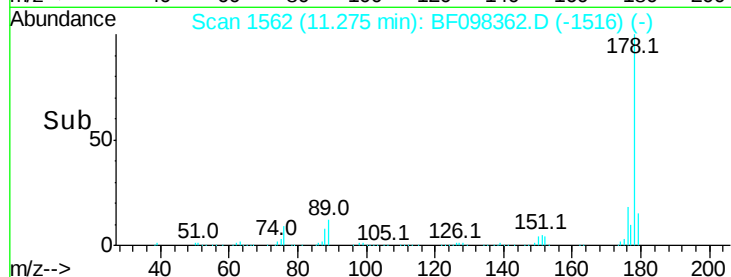
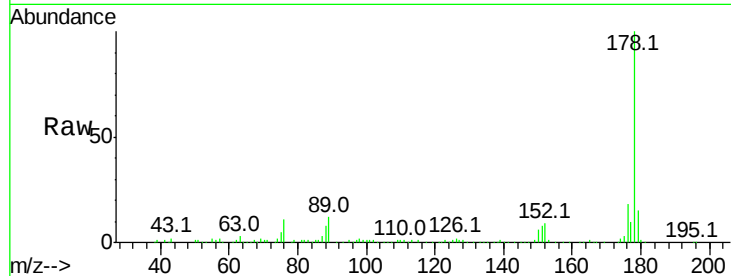
#71
 Anthracene
 Concen: 10.433 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: BF098362.D
 Acq: 8 Sep 2017 20:39

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-090617

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	15.0	12.7	19.1

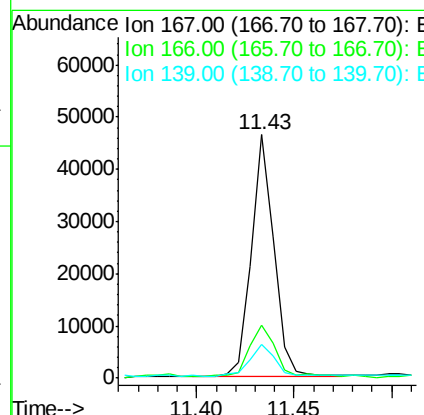
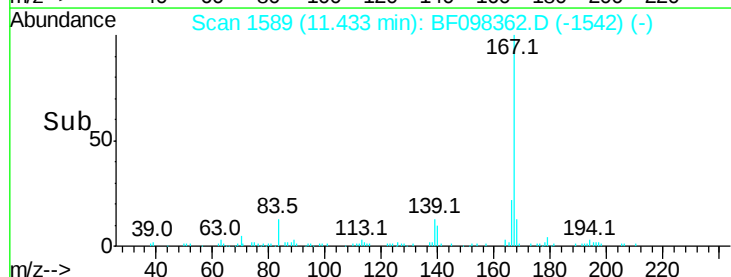
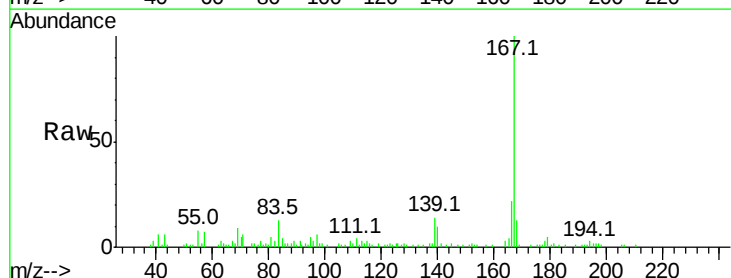
Manual Integrations
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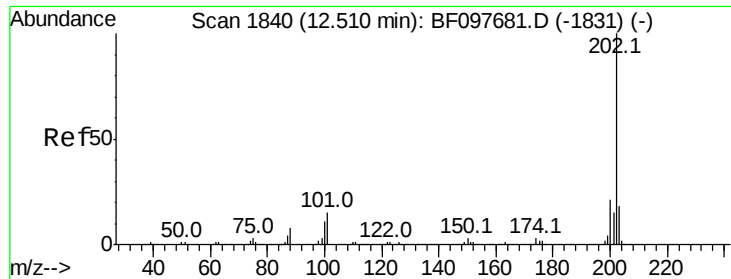
Sohil
 9/11/2017 4:47:47 PM



#72
 Carbazole
 Concen: 2.853 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.02 min
 Lab File: BF098362.D
 Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.1	27.1
139	13.9	11.7	17.5





#74

Fluoranthene

Concen: 51.266 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.02 min

Lab File: BF098362.D

Acq: 8 Sep 2017 20:39

Instrument :

BNA_F

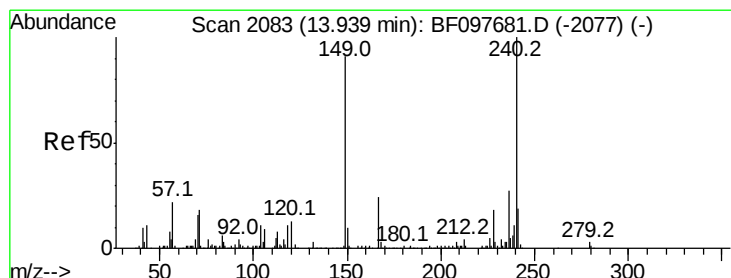
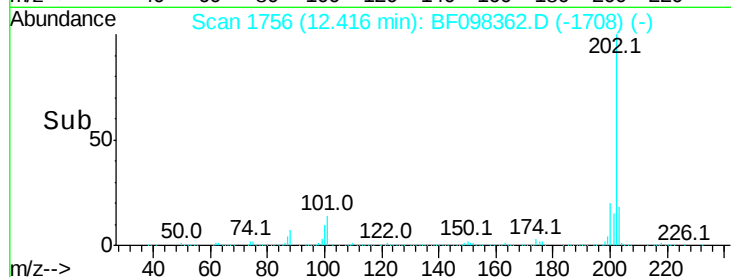
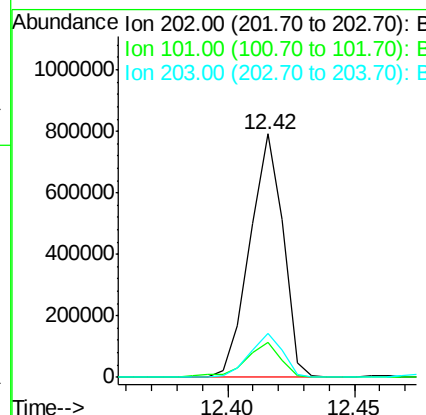
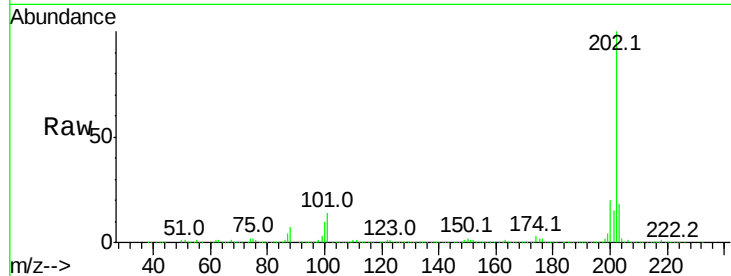
ClientSampleId :

SU-04-090617

Tot Ion	Ratio	Resp	Lower	Upper
202	100	722735		
101	14.5	0.0	33.2	
203	18.1	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

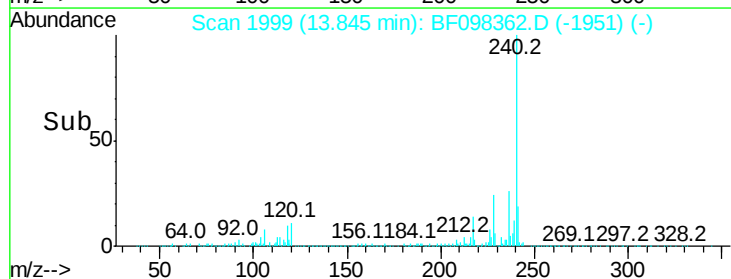
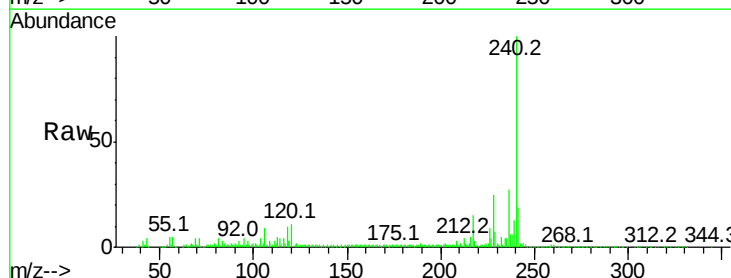
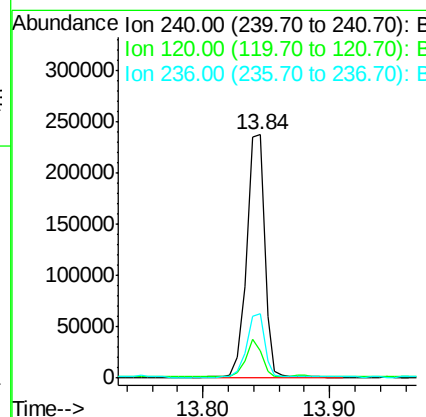
RT: 13.84 min Scan# 1999

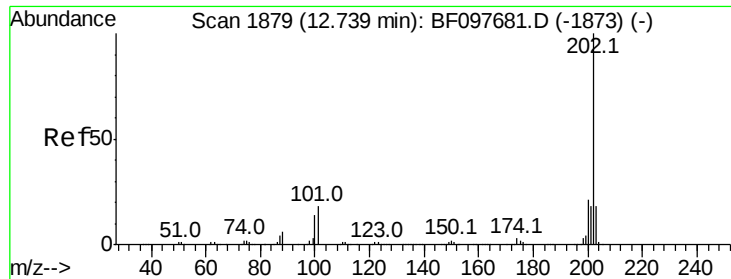
Delta R.T. -0.02 min

Lab File: BF098362.D

Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	232978		
120	11.4	5.8	8.8#	
236	26.6	20.5	30.7	





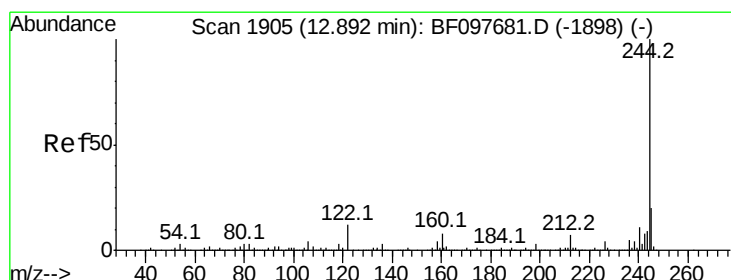
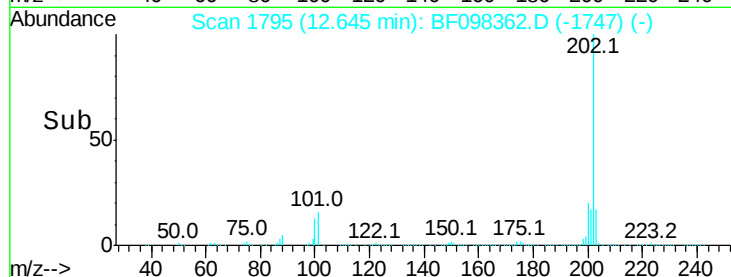
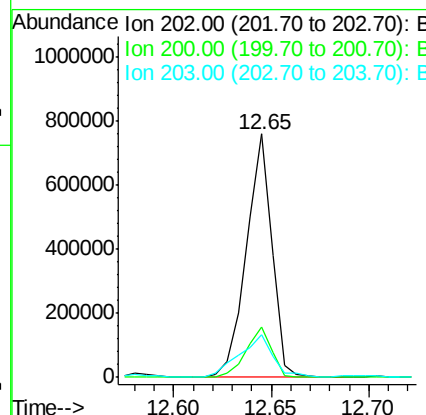
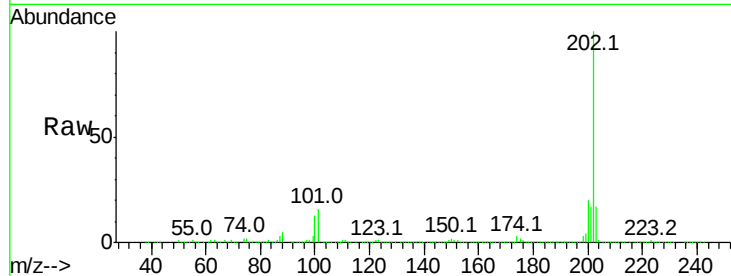
#77
Pvrene
Concen: 36.135 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.02 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Instrument :
BNA_F
ClientSampleId :
SU-04-090617

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.6	26.4
203	17.4	14.4	21.6

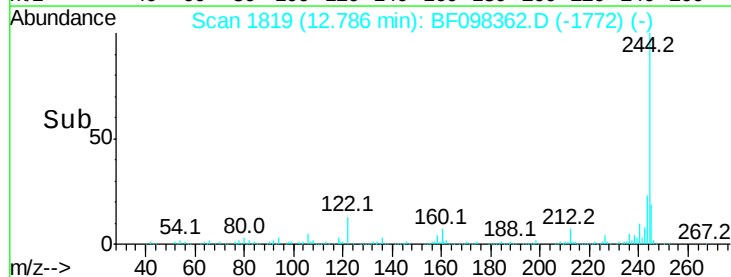
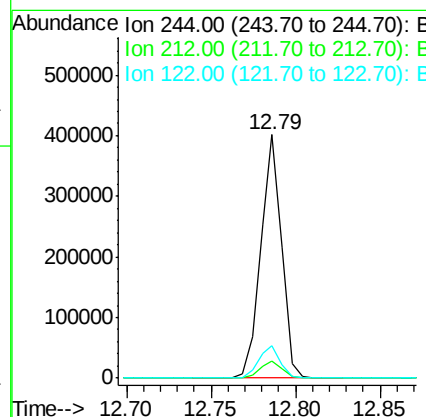
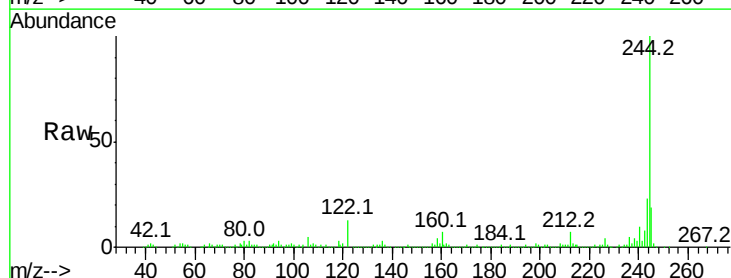
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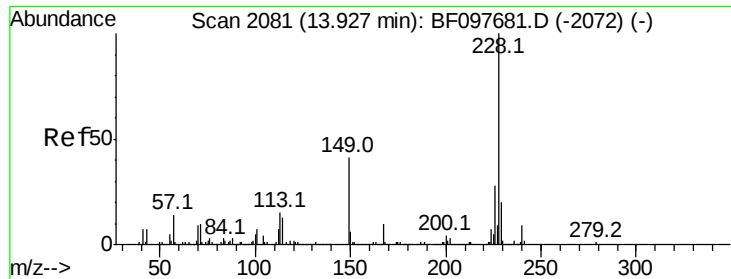
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#78
Terphenyl-d14
Concen: 30.833 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.3	10.3	15.5





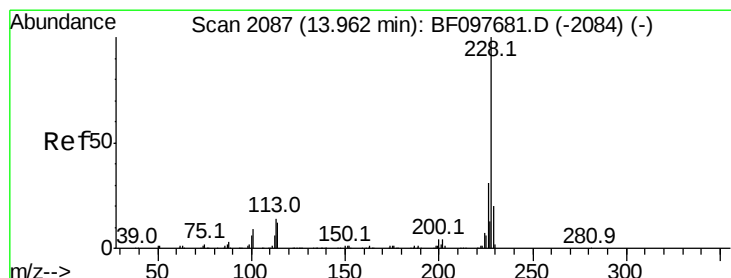
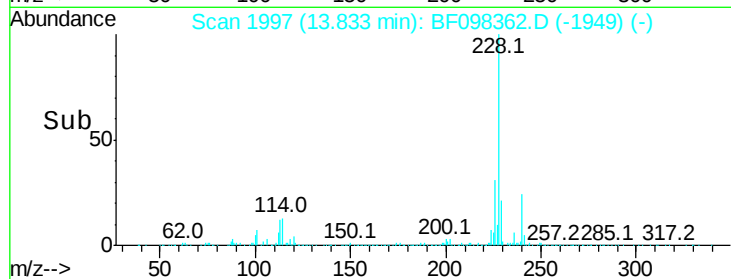
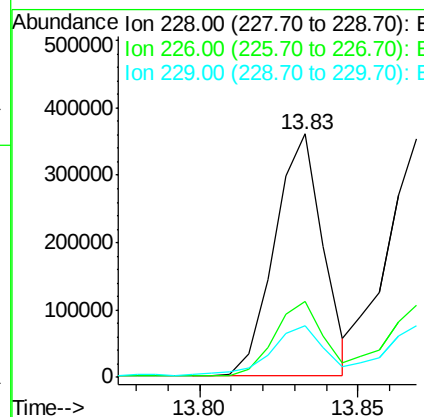
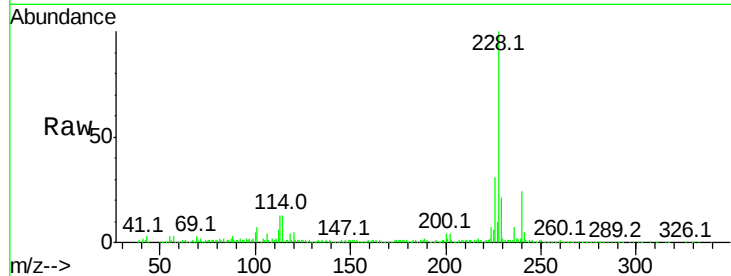
#80
Benzo(a)anthracene
Concen: 27.395 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Instrument :
BNA_F
ClientSampleId :
SU-04-090617

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	21.0	16.3	24.5

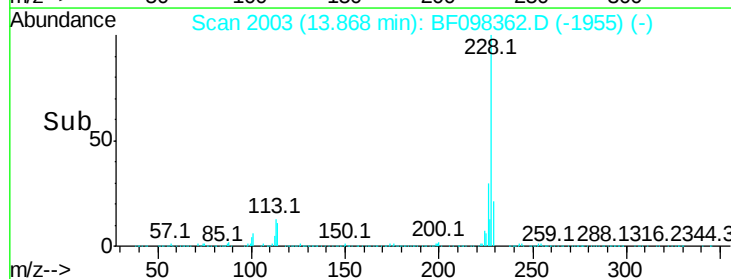
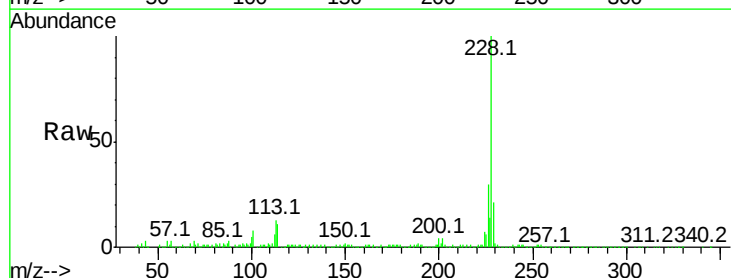
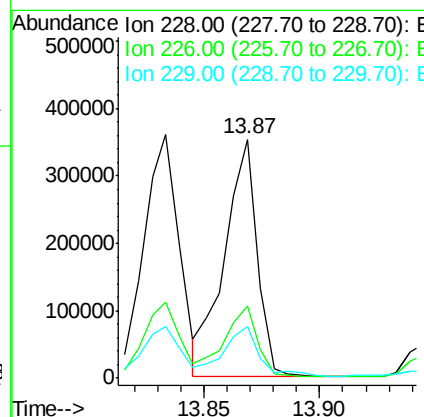
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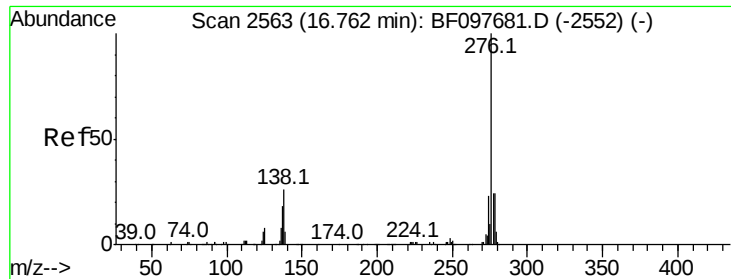
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#82
Chrysene
Concen: 25.037 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	21.4	15.8	23.6





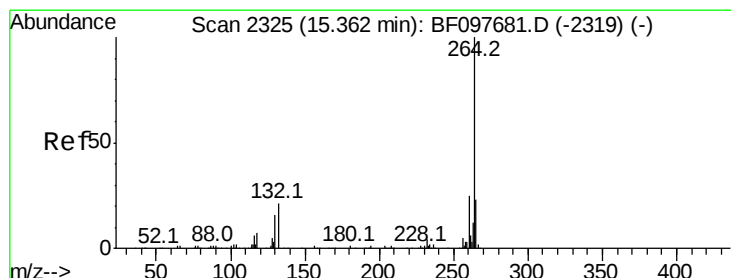
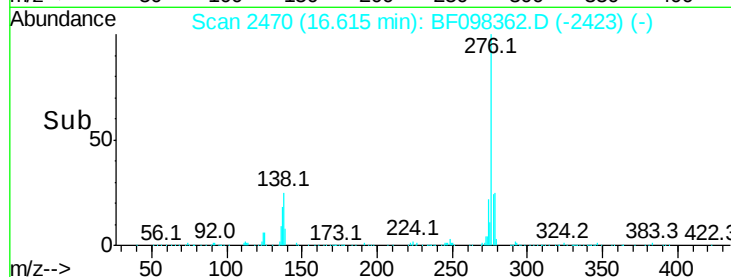
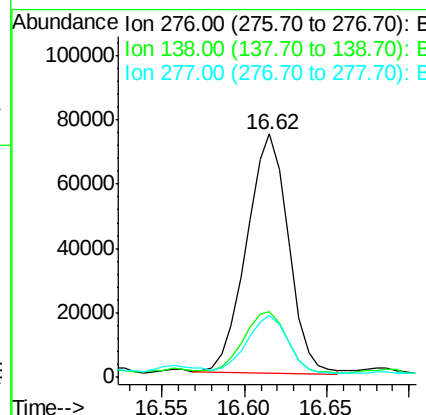
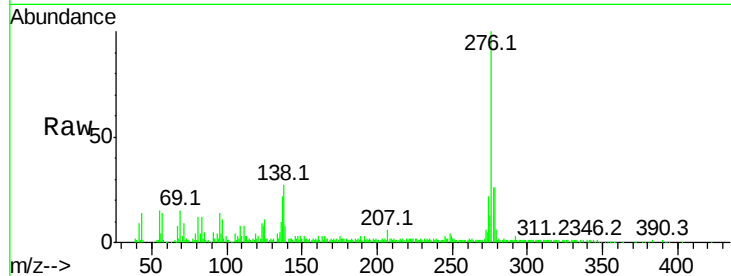
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.765 ng/ml
RT: 16.62 min Scan# 2470
Delta R.T. -0.02 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Instrument :
BNA_F
ClientSampleID :
SU-04-090617

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.8	27.8	41.6#
277	5.2	20.2	30.4#

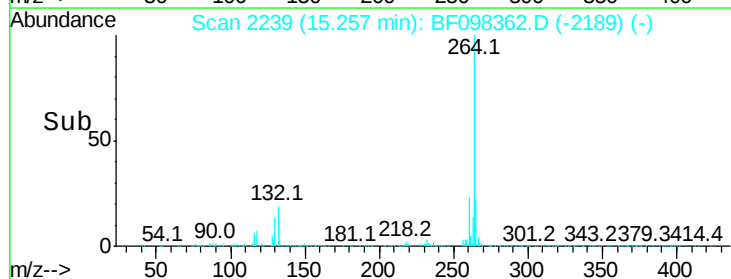
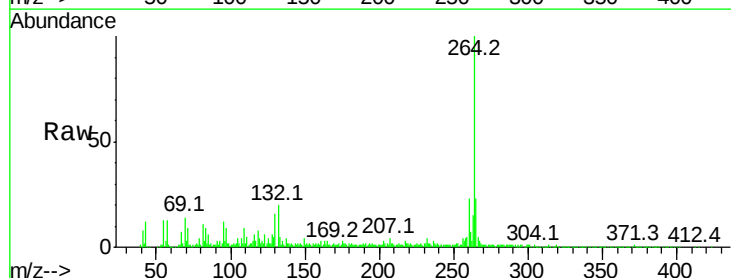
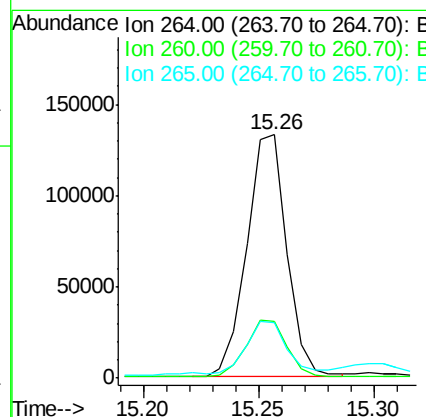
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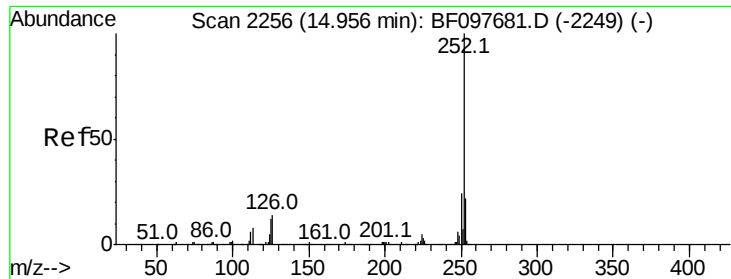
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	22.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 40.526 ng m

RT: 14.86 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BF098362.D

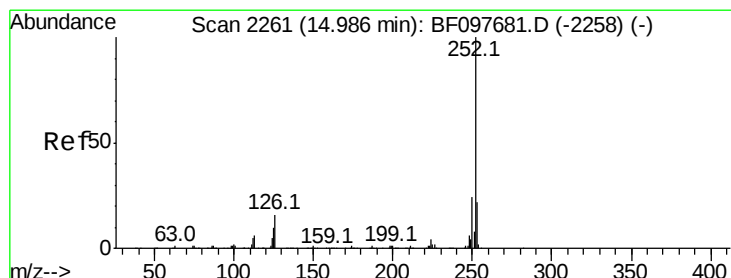
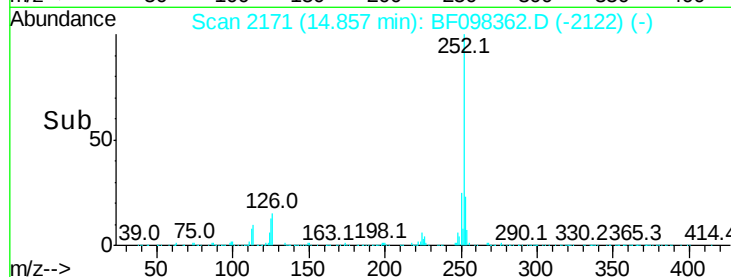
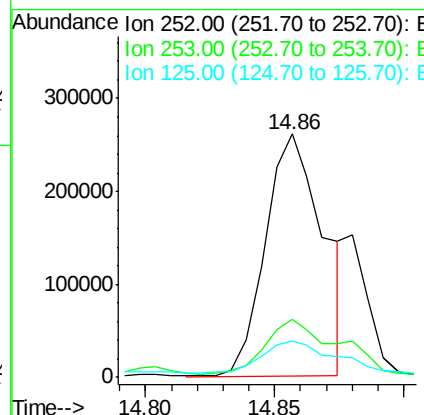
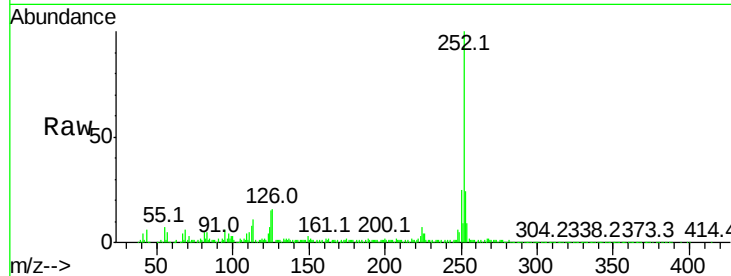
Acq: 8 Sep 2017 20:39

Instrument :
BNA_F
ClientSampleId :
SU-04-090617

Tot Ion	Ratio	Resp	Lower	Upper
252	100	409530		
253	24.0	18.1	27.1	
125	14.9	9.8	14.8#	

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#88

Benzo(k)fluoranthene

Concen: 10.078 ng m

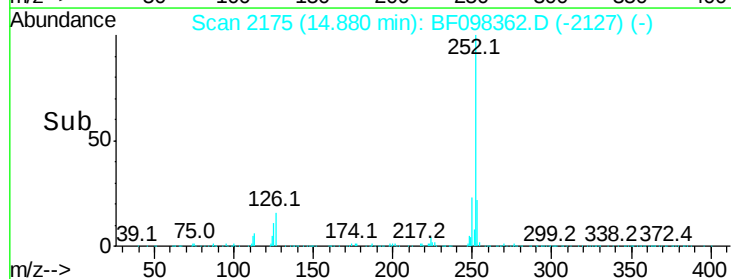
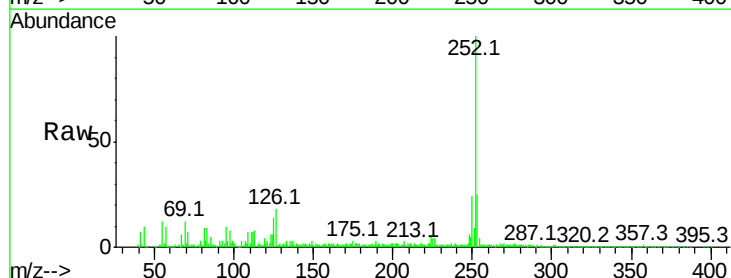
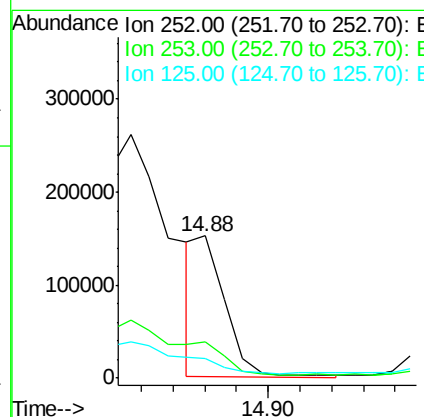
RT: 14.88 min Scan# 2175

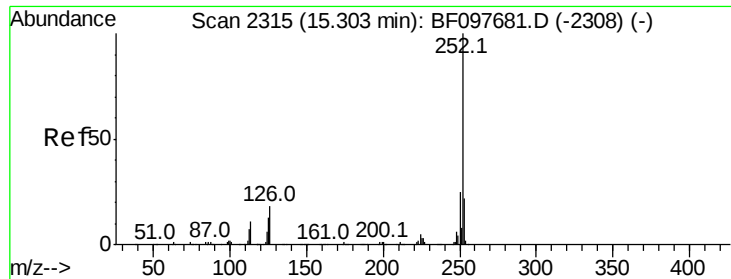
Delta R.T. -0.02 min

Lab File: BF098362.D

Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	95685		
253	25.2	18.4	27.6	
125	14.2	13.1	19.7	





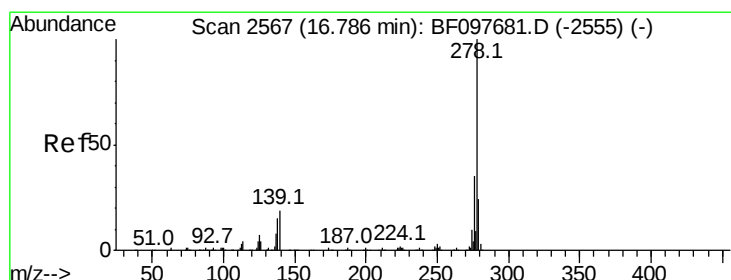
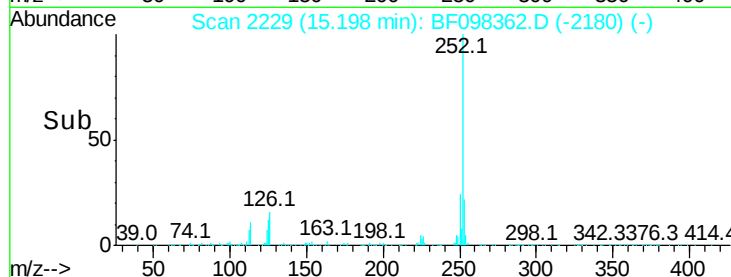
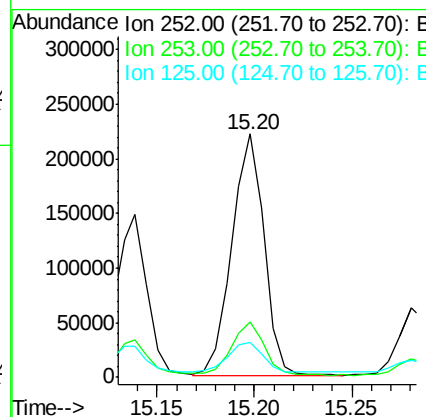
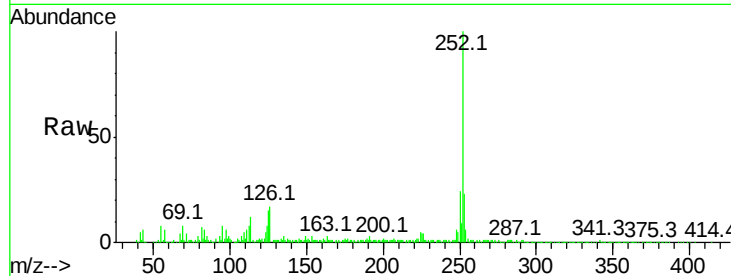
#89
Benzo(a)pyrene
Concen: 28.470 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Instrument :
BNA_F
ClientSampleId :
SU-04-090617

Tot Ion	Ratio	Resp	Lower	Upper
252	100	254691		
253	22.7		17.5	26.3
125	14.5		11.0	16.4

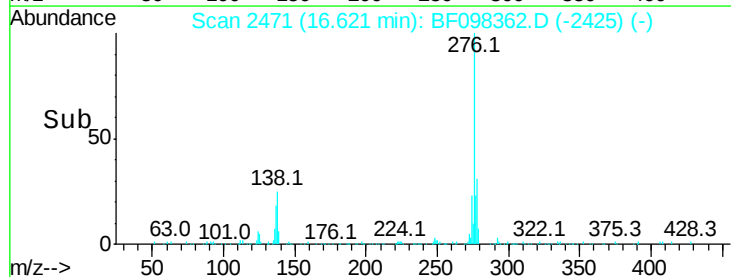
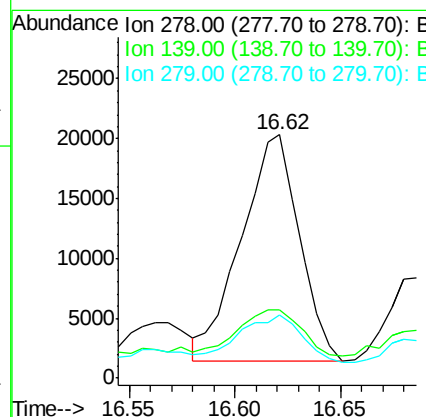
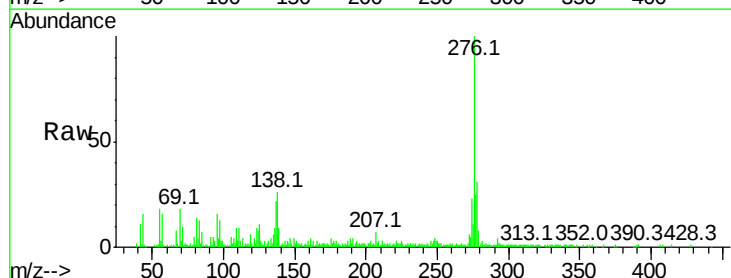
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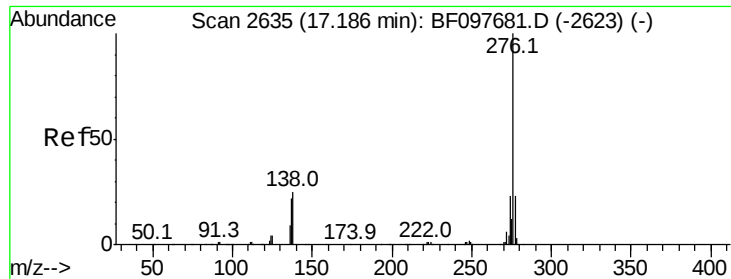
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.952 ng
RT: 16.62 min Scan# 2471
Delta R.T. -0.03 min
Lab File: BF098362.D
Acq: 8 Sep 2017 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	36064		
139	28.1		16.6	24.8#
279	25.9		19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 16.403 ng
 RT: 17.03 min Scan# 2540
 Delta R.T. -0.02 min
 Lab File: BF098362.D
 Acq: 8 Sep 2017 20:39

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-090617

Tot Ion:	276	Resp:	124653
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.6	28.0
138	24.7	25.4	38.0#

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