

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098173.D
 Acq On : 30 Aug 2017 23:22
 Operator : SJ/JU
 Sample : I5023-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-C

Manual Integrations
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 8/31/2017 7:12:35 PM

Quant Time: Aug 31 07:54:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	115698	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	441293	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	170138	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	278862	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	243742	20.00	ng	-0.02
86) Perylene-d12	15.29	264	186188	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	183638	24.14	ng	-0.03
7) Phenol-d6	6.36	99	245483	23.75	ng	-0.03
23) Nitrobenzene-d5	7.29	82	137815	16.97	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	27812	18.84	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	226607	19.57	ng	-0.03
78) Terphenyl-d14	12.82	244	153203	13.11	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.47	163	29664	2.385	ng	Qvalue # 99
57) Fluorene	10.30	166	37934	3.224	ng	94
70) Phenanthrene	11.26	178	308608	20.768	ng	99
71) Anthracene	11.32	178	87366	5.797	ng	96
72) Carbazole	11.47	167	32478	2.270	ng	97
74) Fluoranthene	12.45	202	505551	32.595	ng	99
77) Pyrene	12.68	202	457869	22.968	ng	98
80) Benzo(a)anthracene	13.86	228	228798	15.662	ng	97
82) Chrysene	13.90	228	195605	13.460	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	72701	6.801	ng	# 90
87) Benzo(b)fluoranthene	14.89	252	216181m	18.420	ng	
88) Benzo(k)fluoranthene	14.91	252	62350m	5.655	ng	
89) Benzo(a)pyrene	15.23	252	144334	13.892	ng	99
90) Dibenzo(a,h)anthracene	16.66	278	19182	2.268	ng	# 78
91) Benzo(a,h,i)perylene	17.07	276	68527	7.765	ng	94

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

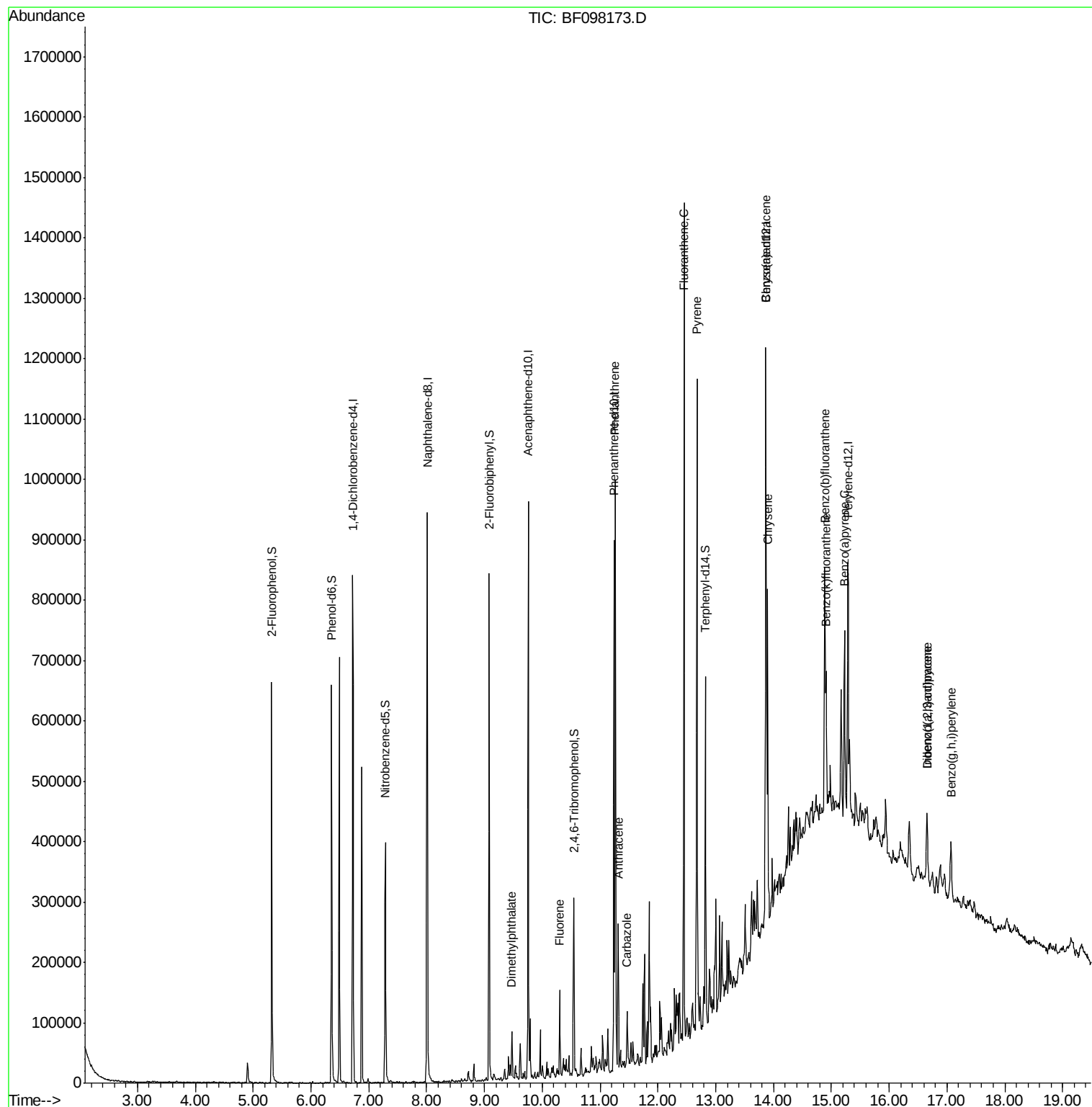
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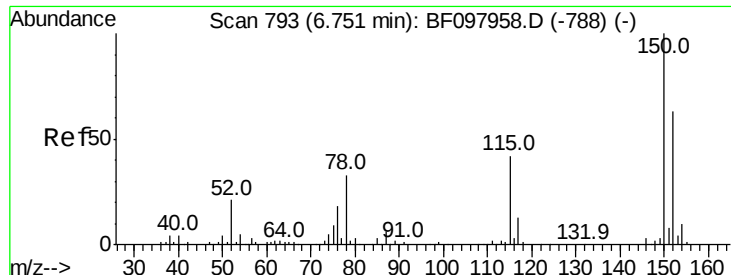
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#1

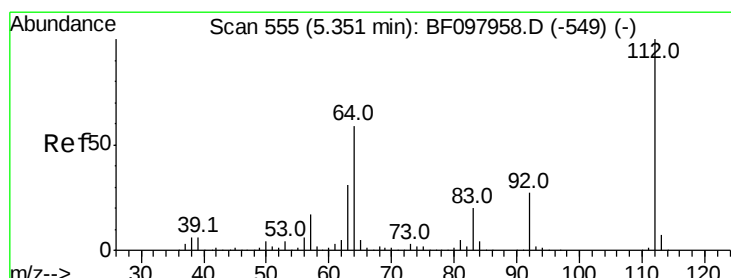
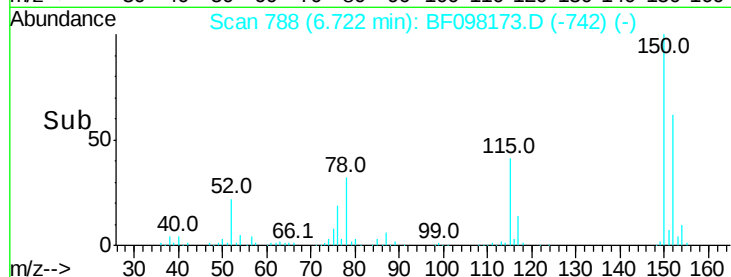
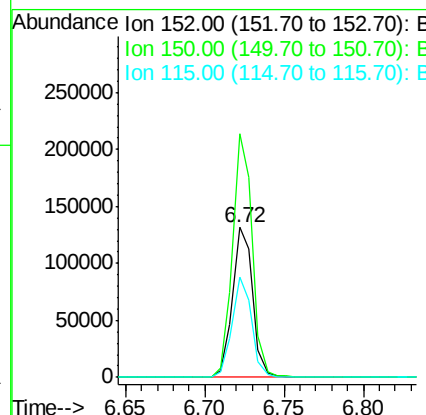
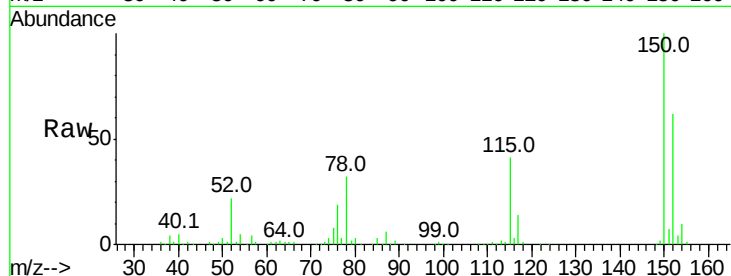
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	126.2	189.2
115	67.1	52.2	78.2

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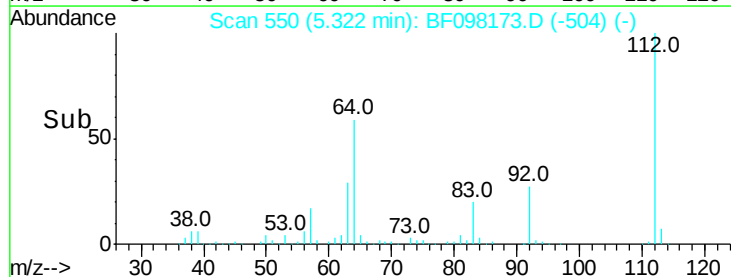
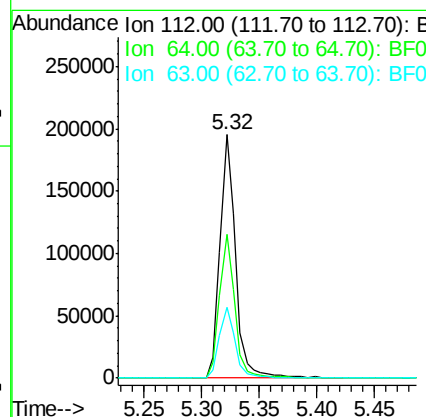
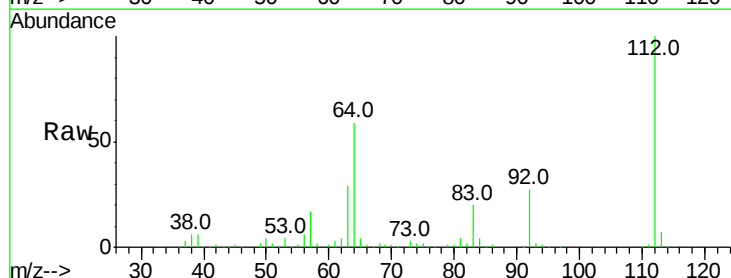
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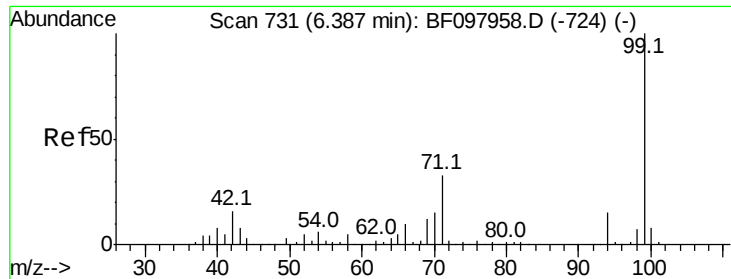


#5

2-Fluorophenol
Concen: 24.143 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	46.0	69.0
63	29.1	23.4	35.0





#7

Phenol-d6

Concen: 23.753 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

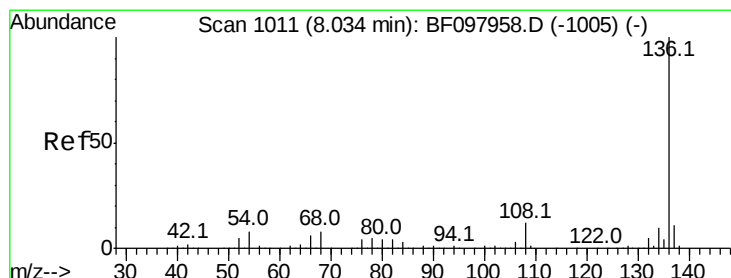
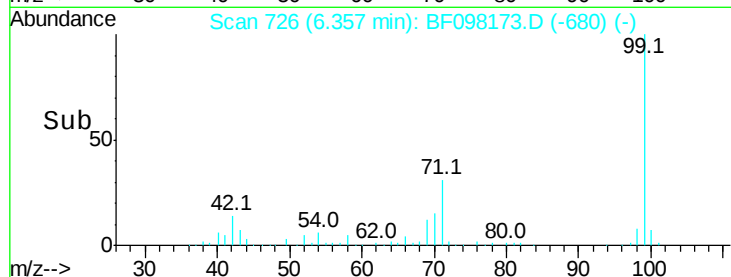
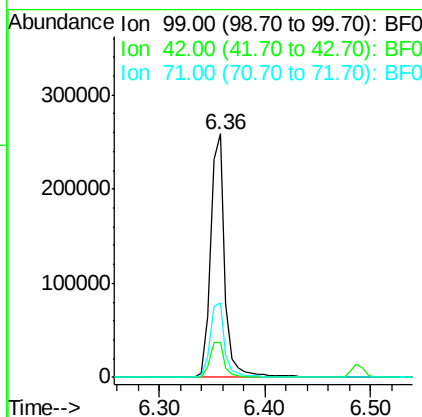
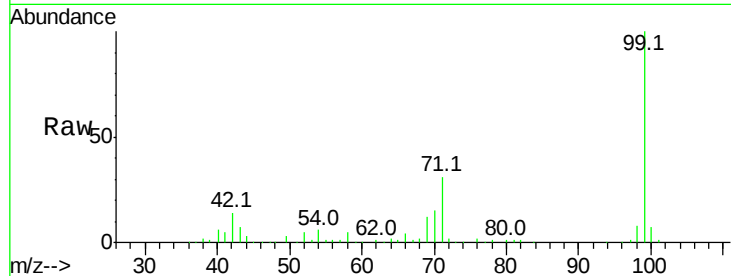
ClientSampleId :

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Tot Ion:	99	Resp:	245483
Ion Ratio	Lower	Upper	
99	100		
42	14.4	13.5	20.3
71	30.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

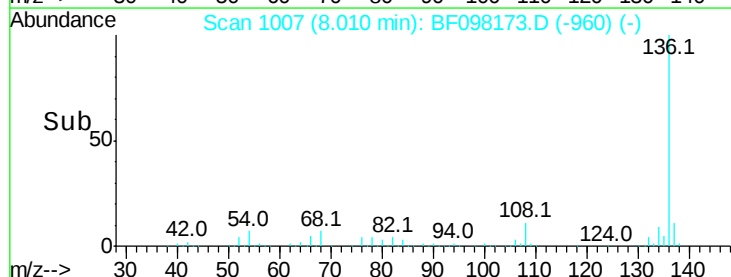
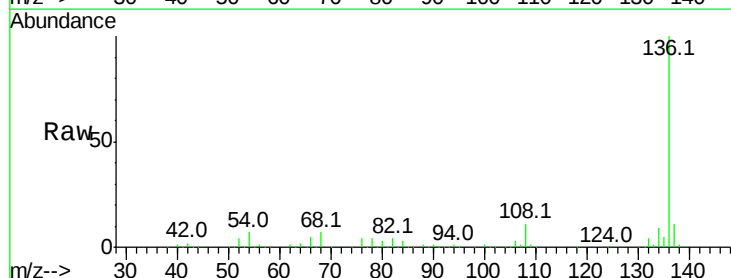
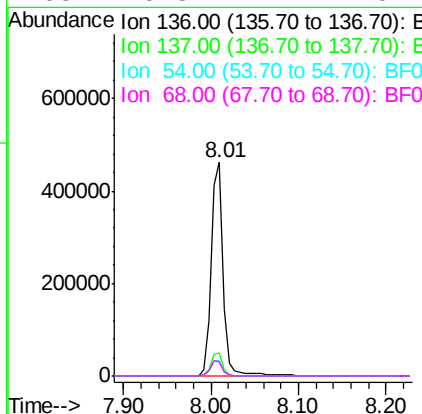
RT: 8.01 min Scan# 1007

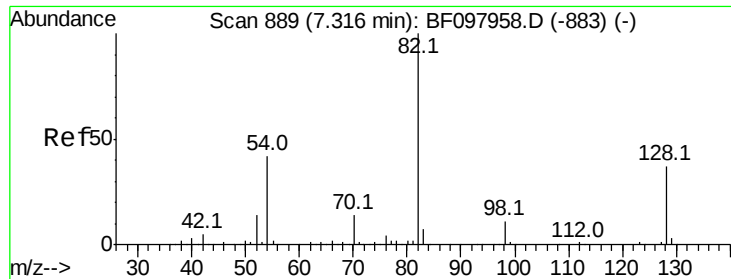
Delta R.T. -0.02 min

Lab File: BF098173.D

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Tgt Ion:	136	Resp:	441293
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.0	4.9	7.3
68	6.8	4.1	6.1#





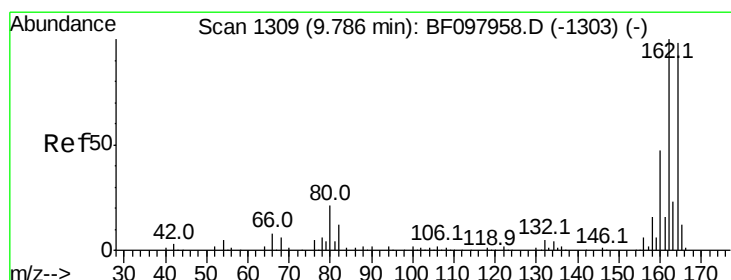
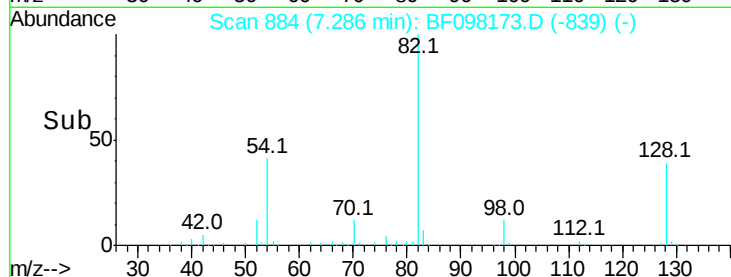
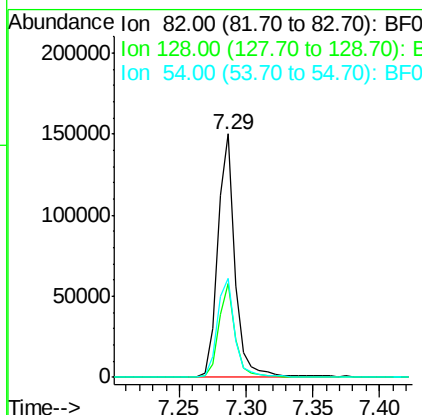
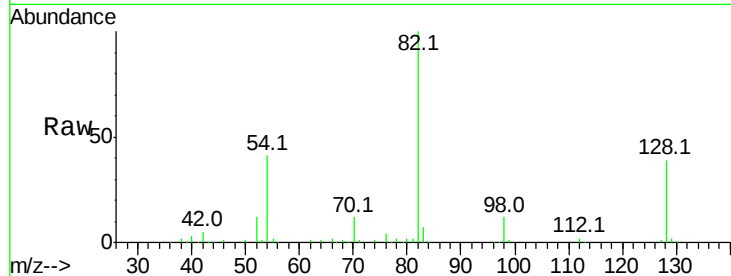
#23
 Nitrobenzene-d5
 Concen: 16.965 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.04 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-C

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	38.7	34.0	51.0
54	40.6	42.2	63.2#

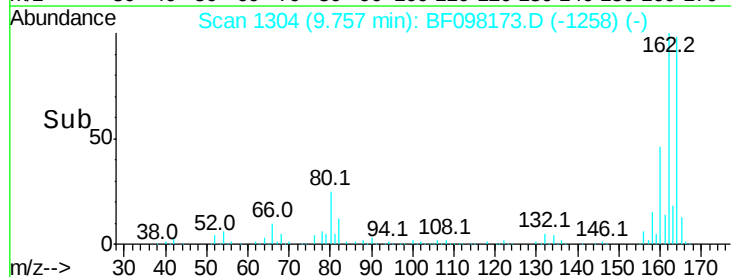
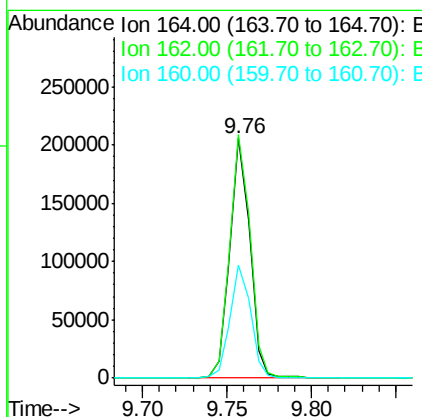
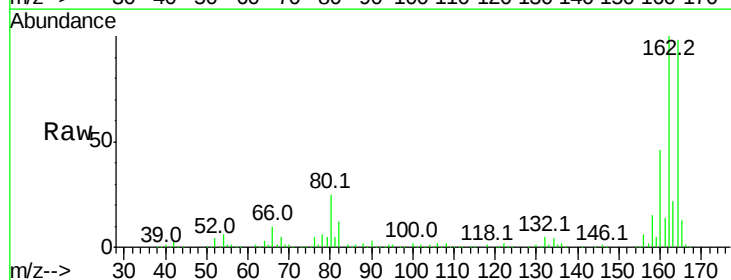
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.03 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	101.7	82.6	123.8
160	47.3	36.2	54.2





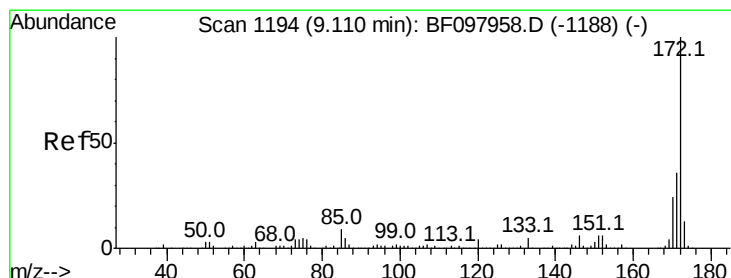
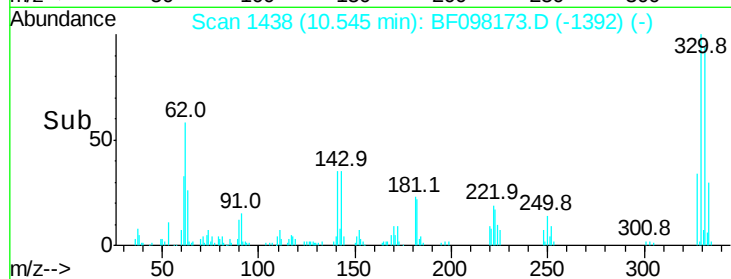
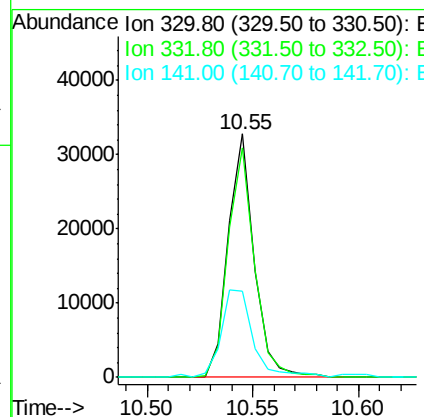
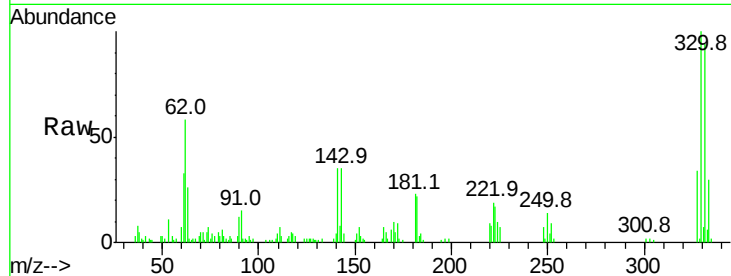
#41
 2,4,6-Tribromophenol
 Concen: 18.840 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	27812		
332	96.5	76.6	115.0	
141	44.9	31.4	47.2	

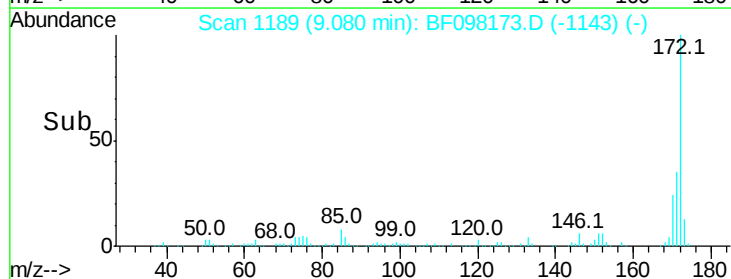
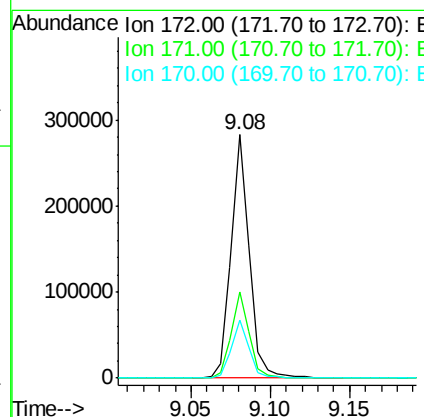
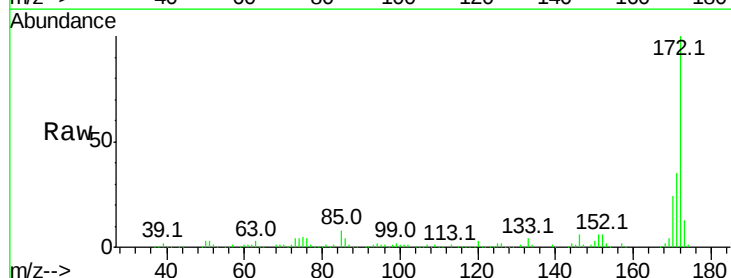
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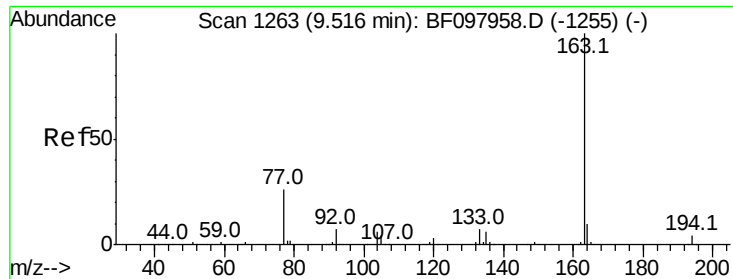
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#44
 2-Fluorobiphenyl
 Concen: 19.568 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	226607		
171	35.4	29.6	44.4	
170	23.7	19.8	29.8	





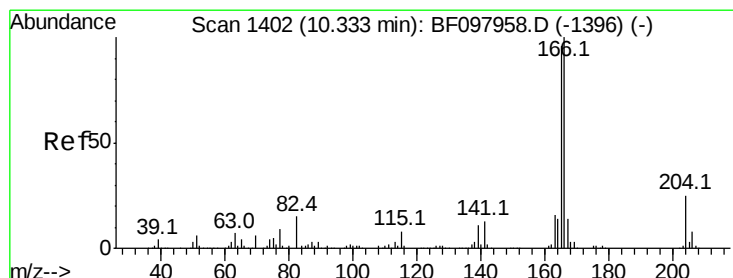
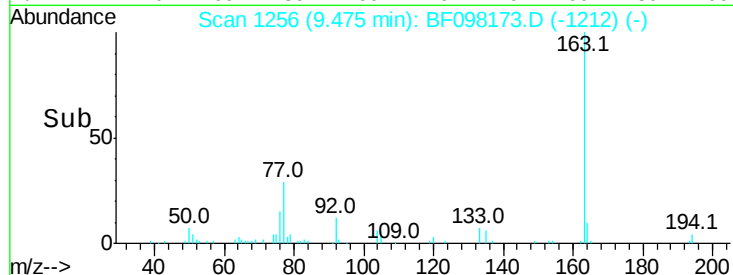
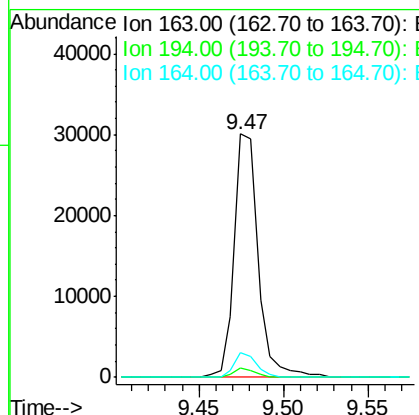
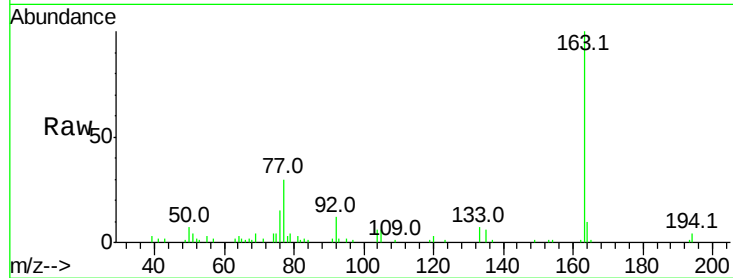
#49
Dimethylphthalate
Concen: 2.385 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	29664		
194	4.1	2.6	4.0#	
164	10.1	8.4	12.6	

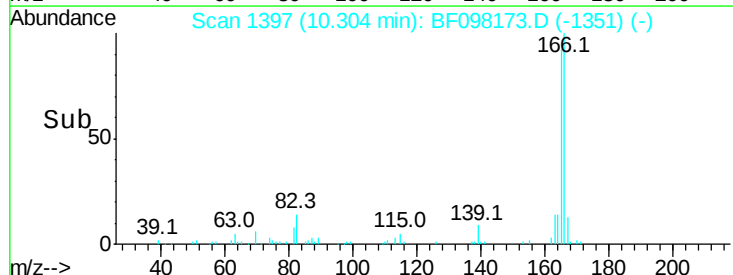
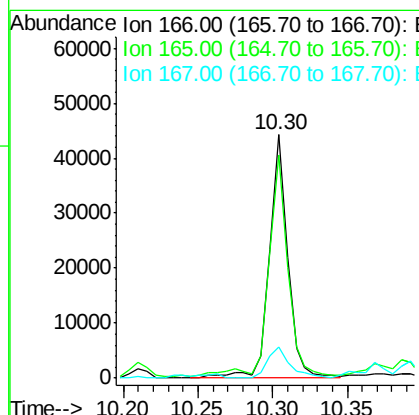
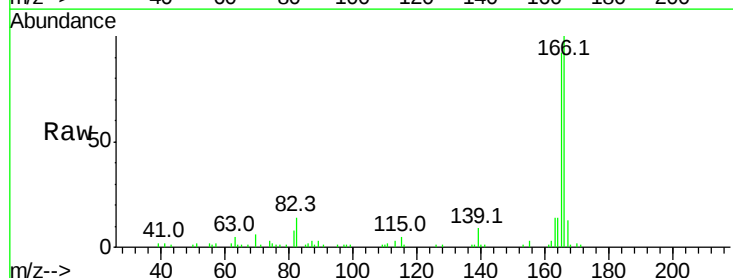
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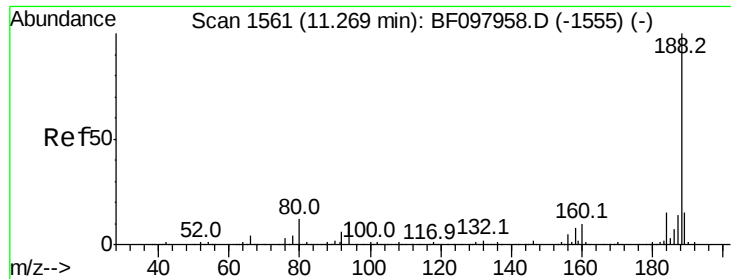
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#57
Fluorene
Concen: 3.224 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	37934		
165	91.5	78.8	118.2	
167	12.9	10.6	16.0	





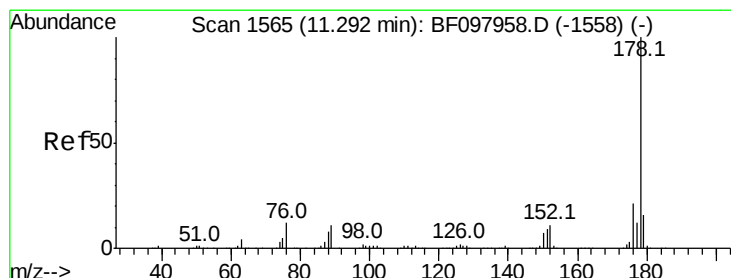
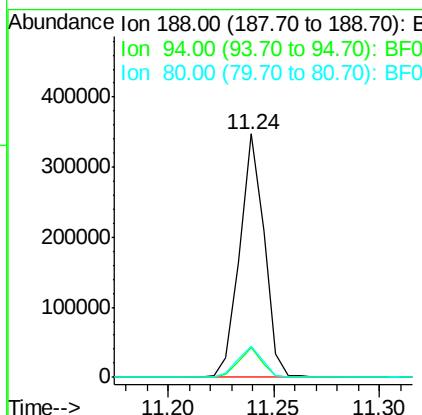
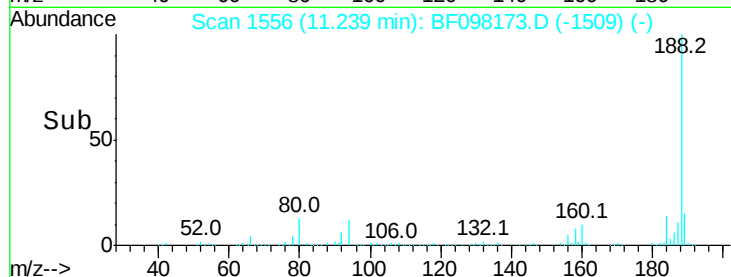
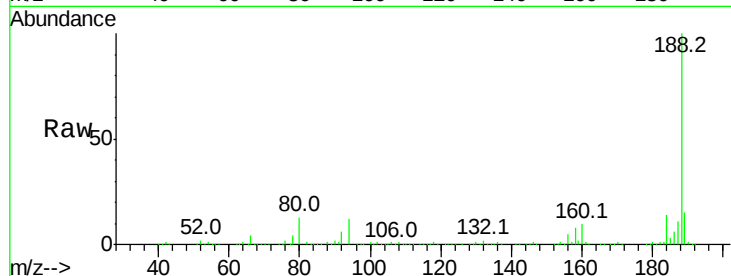
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.02 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.3	9.4	14.2
80	12.8	10.2	15.2

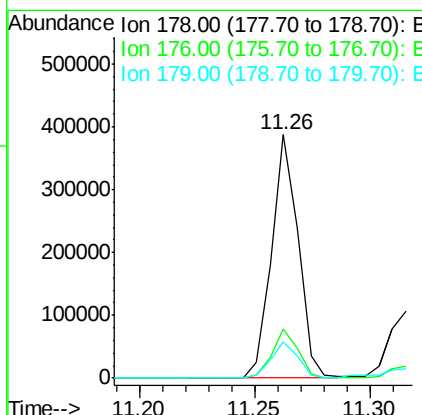
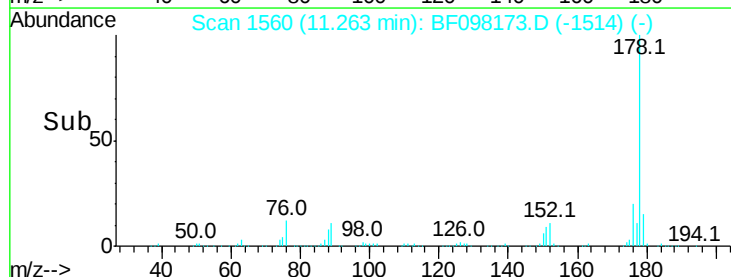
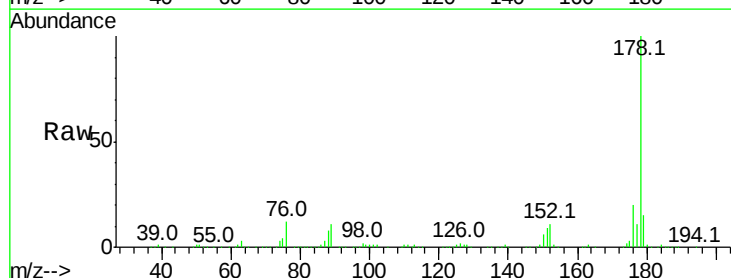
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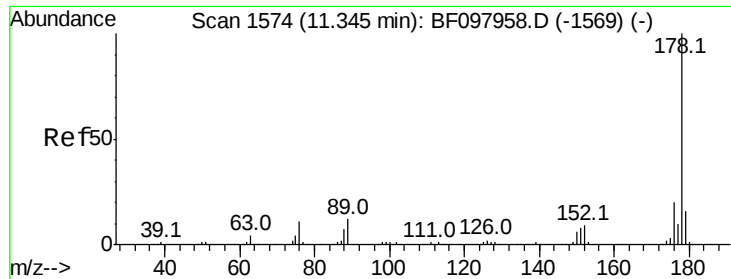
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#70
Phenanthrene
Concen: 20.768 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.0	16.2	24.4
179	15.0	12.6	19.0





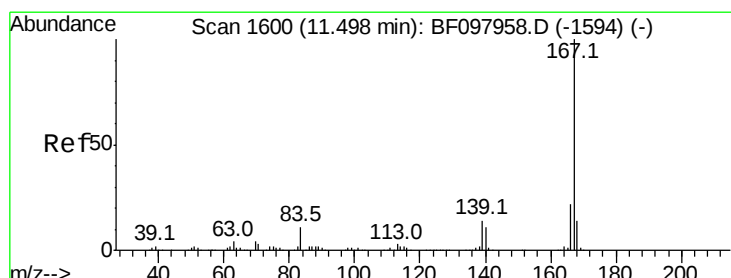
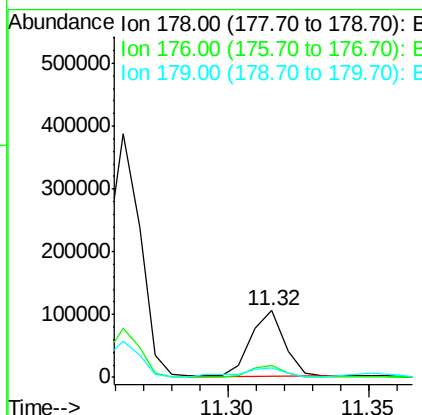
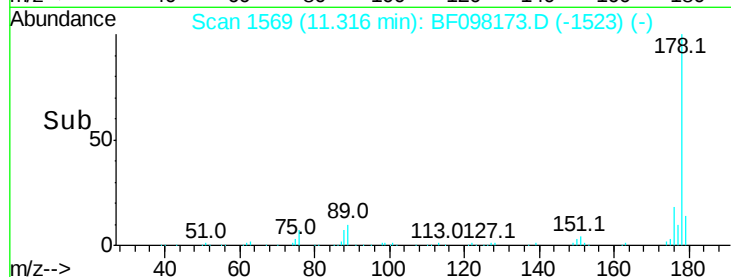
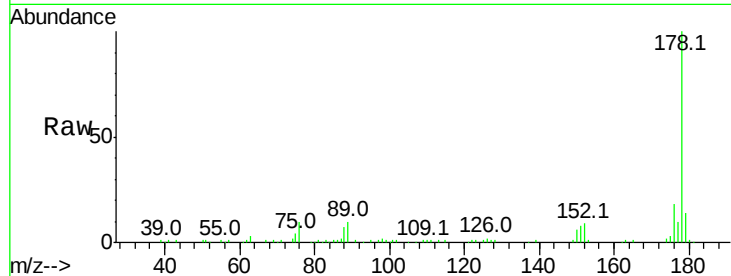
#71
 Anthracene
 Concen: 5.797 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	14.4	12.7	19.1

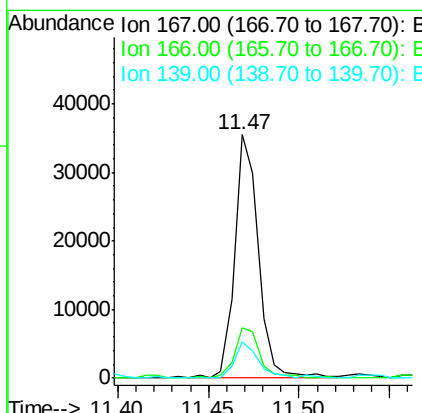
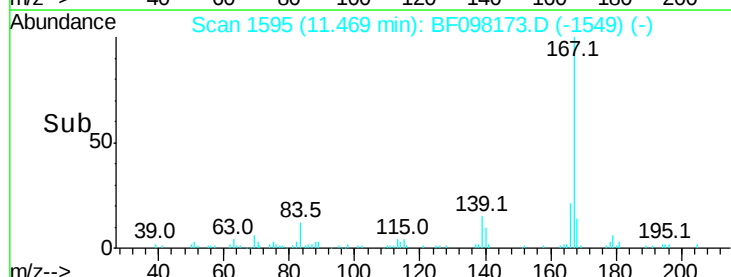
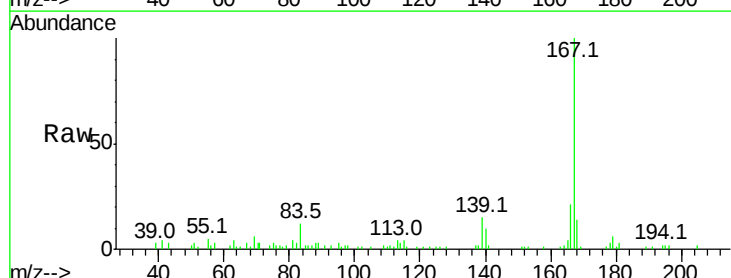
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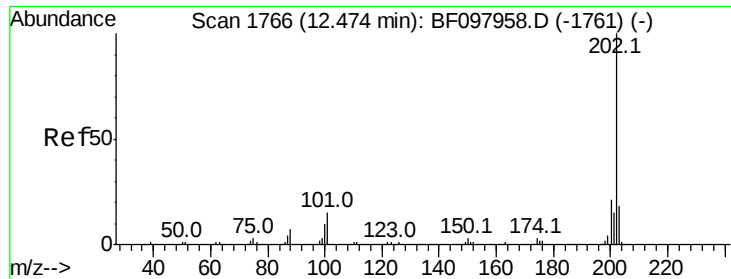
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#72
 Carbazole
 Concen: 2.270 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.03 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	18.1	27.1
139	15.1	11.7	17.5





#74

Fluoranthene

Concen: 32.595 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

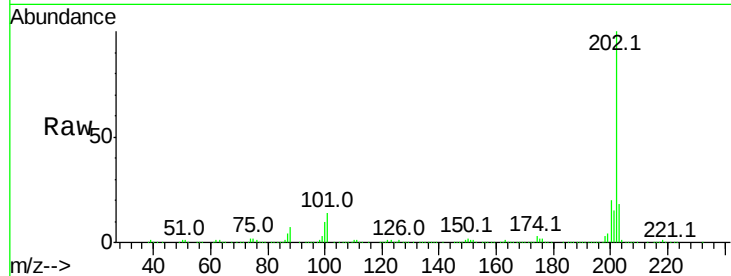
ClientSampleId :

PL-01-082917-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	14.0	0.0	33.2	
203	18.2	0.0	38.1	

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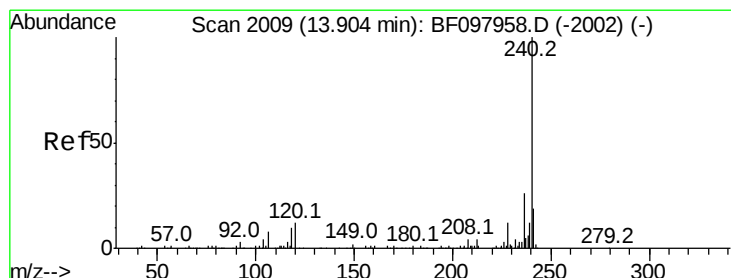
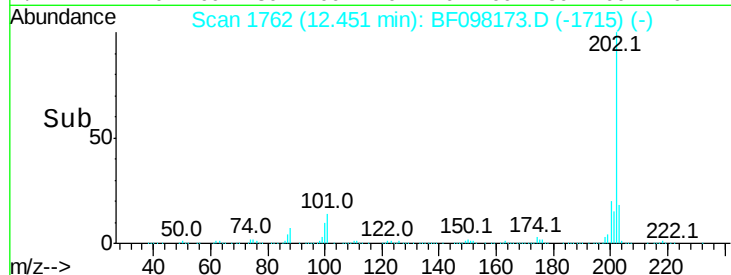
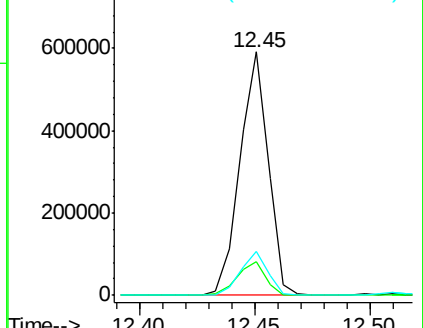
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098173.D

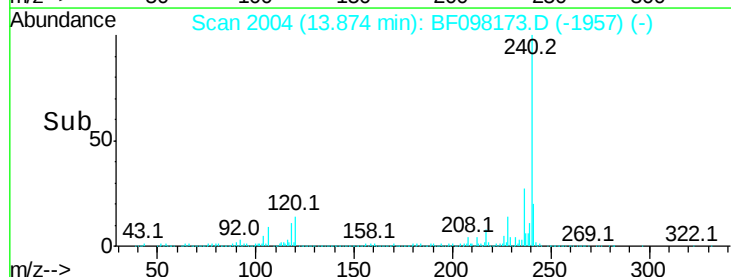
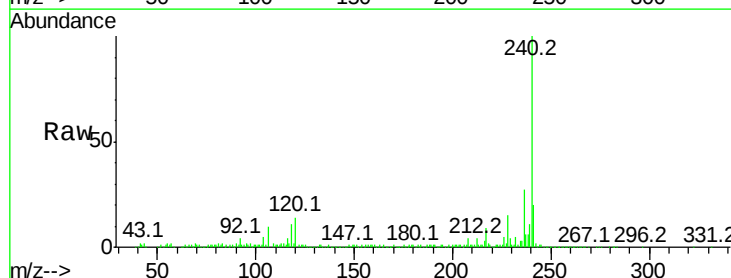
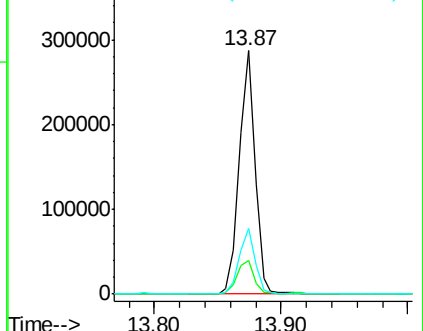
Acq: 30 Aug 2017 23:22

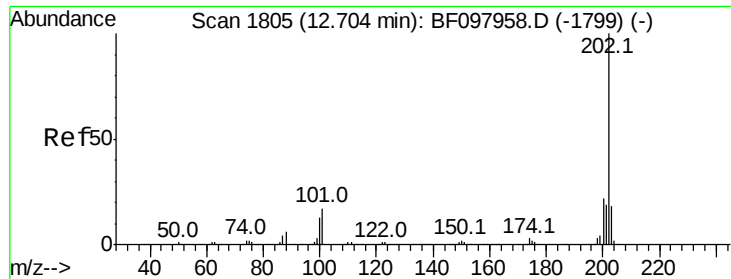
Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.9	5.8	8.8#	
236	26.7	20.5	30.7	

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





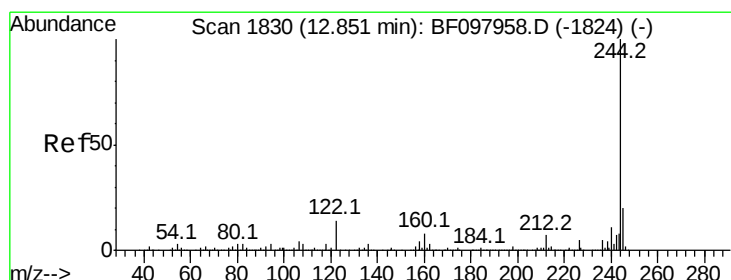
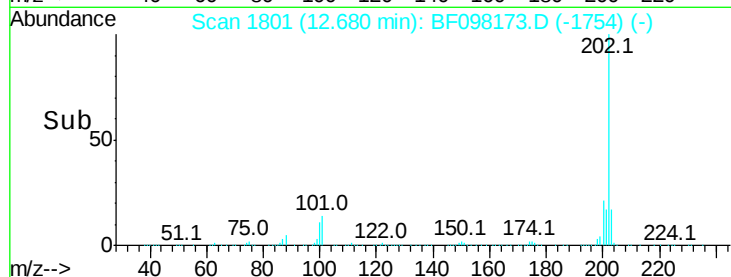
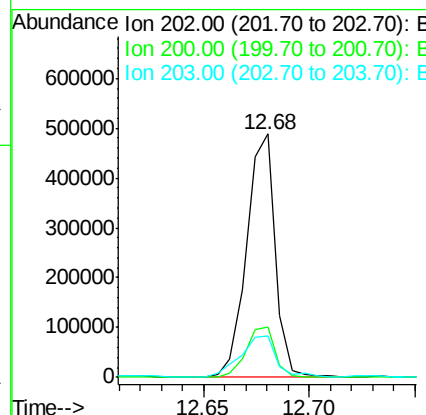
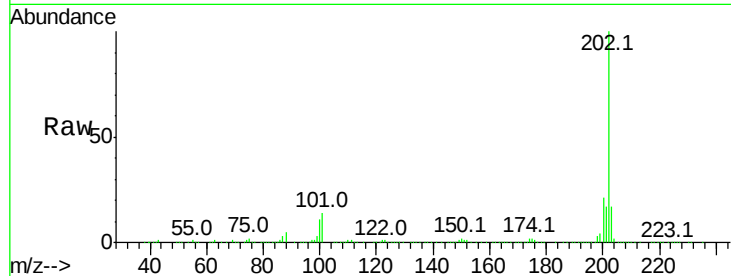
#77
Pvrene
Concen: 22.968 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.6	26.4
203	17.3	14.4	21.6

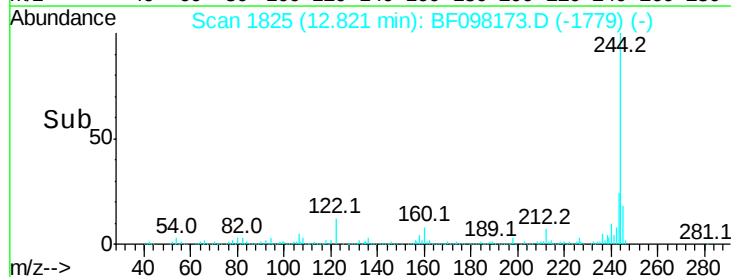
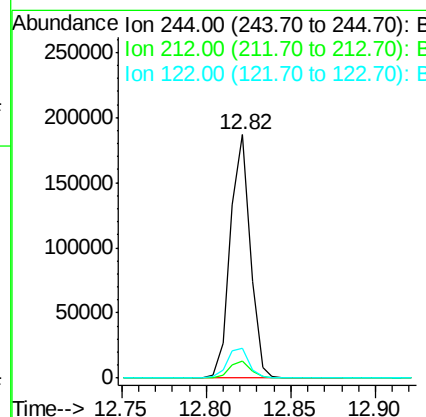
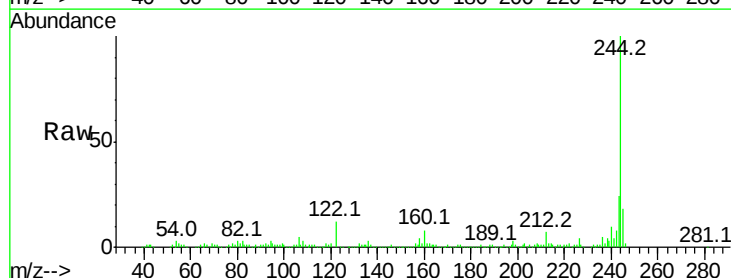
Manual Integrations
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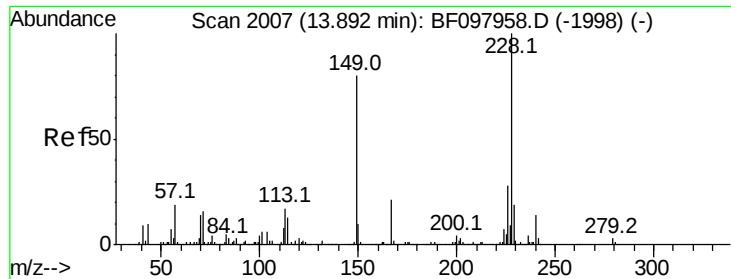
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#78
Terphenyl-d14
Concen: 13.107 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	12.1	10.3	15.5





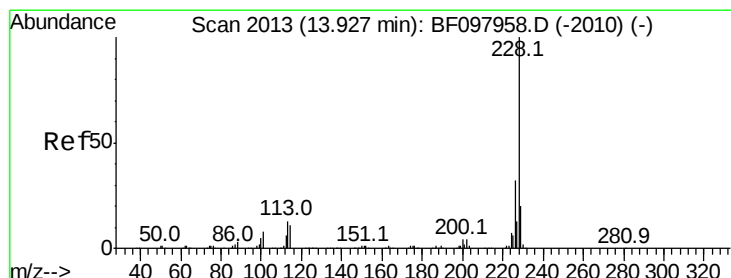
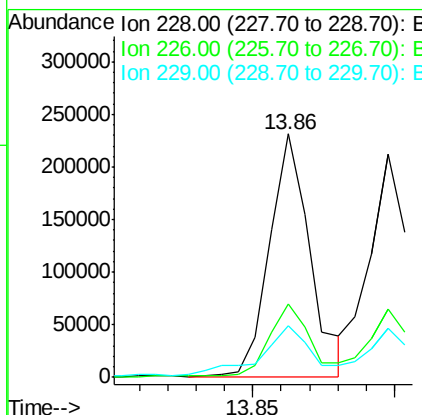
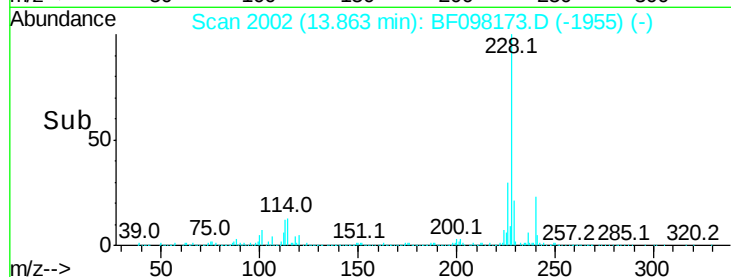
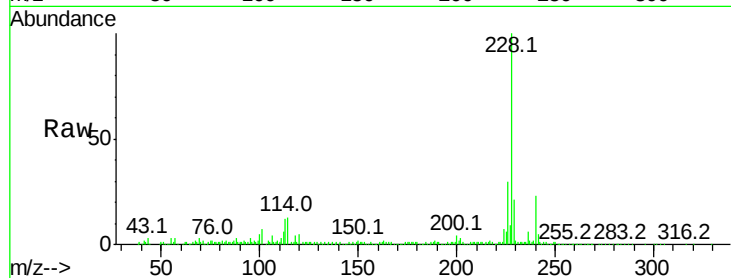
#80
Benzo(a)anthracene
Concen: 15.662 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-C

Tot Ion	Ratio	Resp	Lower	Upper
228	100	228798		
226	30.3	22.6	33.8	
229	21.4	16.3	24.5	

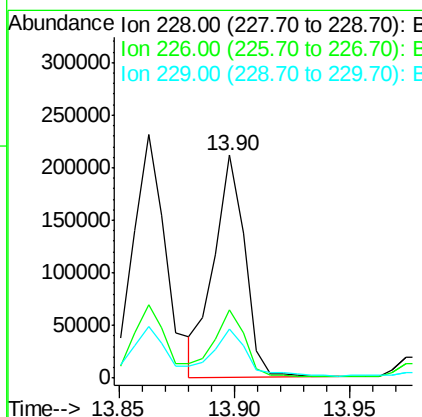
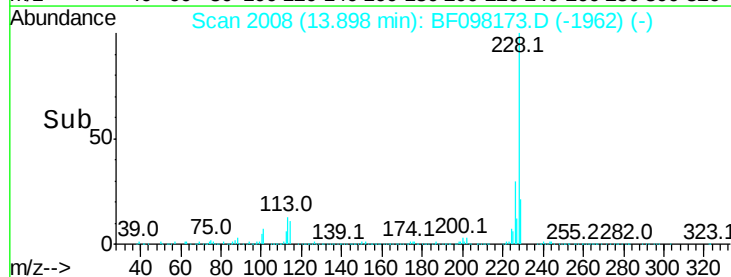
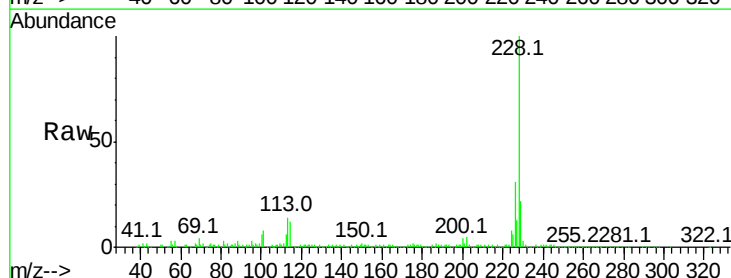
Manual Integrations
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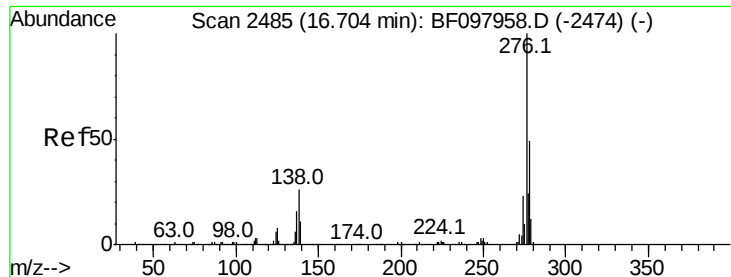
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#82
Chrysene
Concen: 13.460 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	195605		
226	30.9	24.9	37.3	
229	21.9	15.8	23.6	





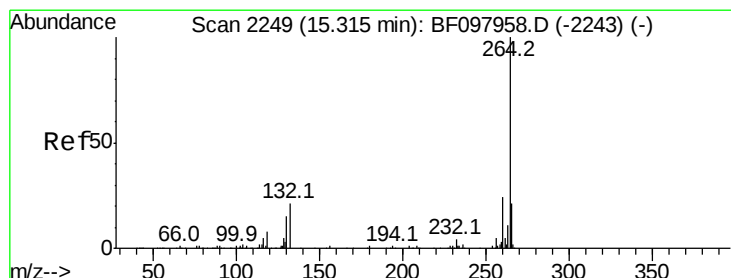
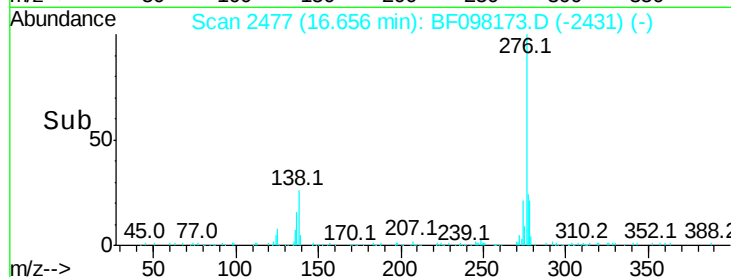
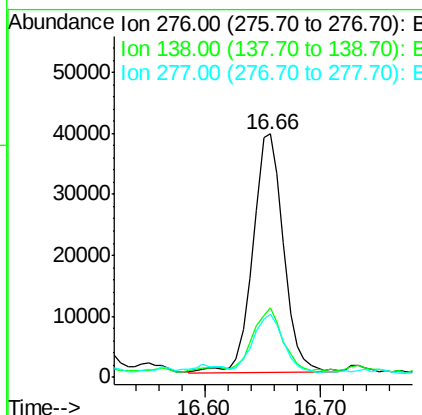
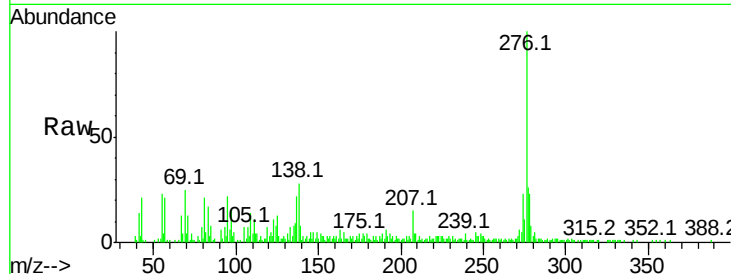
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.801 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	27.8	41.6#
277	23.9	20.2	30.4

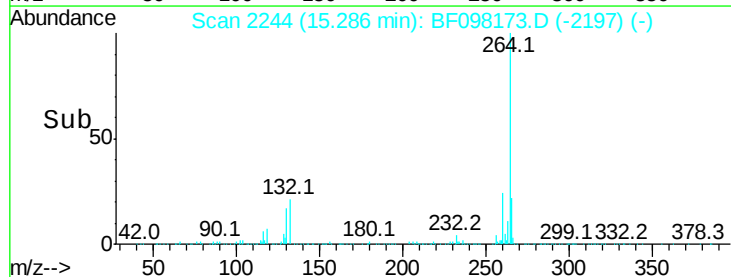
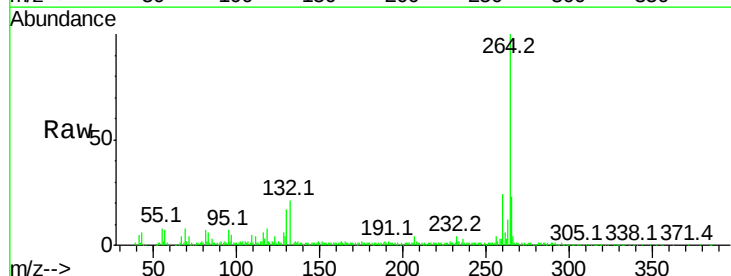
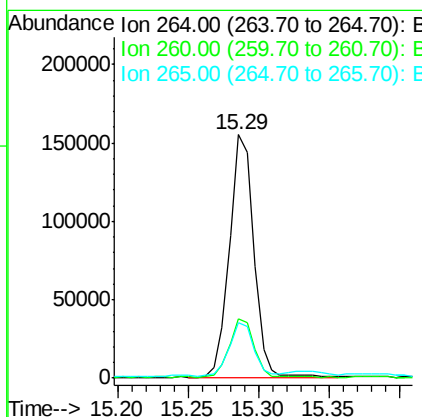
Manual Integrations
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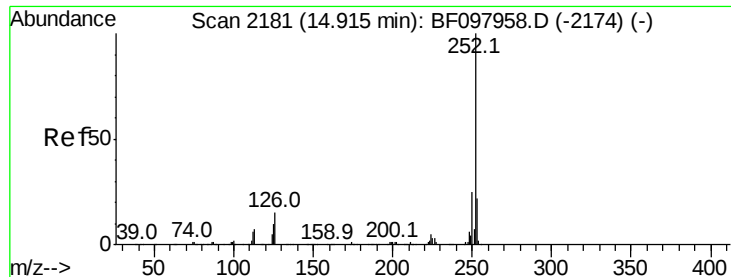
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 18.420 ng m

RT: 14.89 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

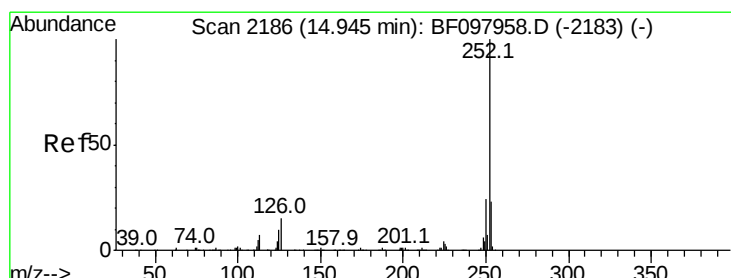
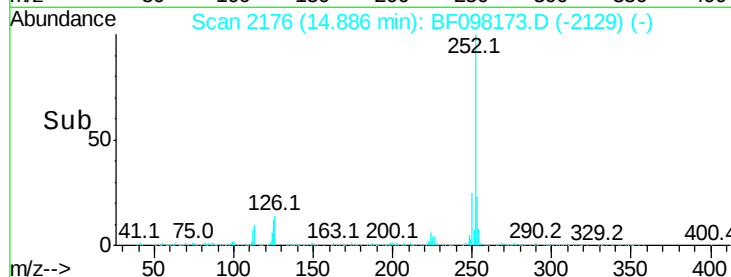
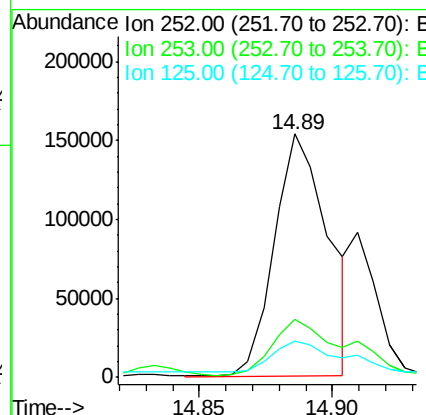
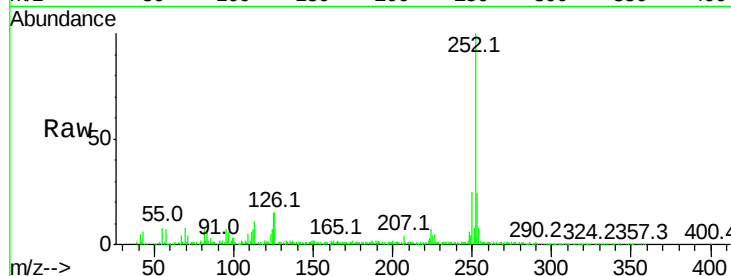
ClientSampleId :

PL-01-082917-C

Tot Ion	Ratio	Resp	Lower	Upper
252	100	216181		
253	23.7	18.1	27.1	
125	14.8	9.8	14.8	

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.655 ng m

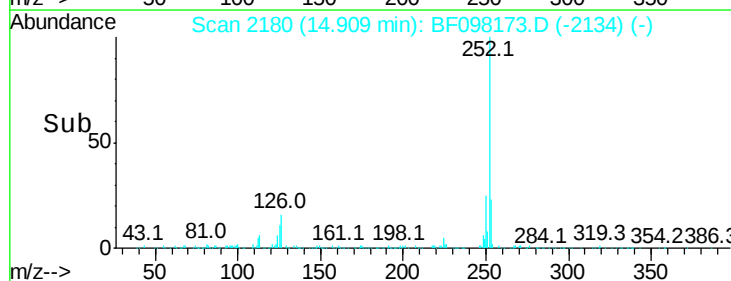
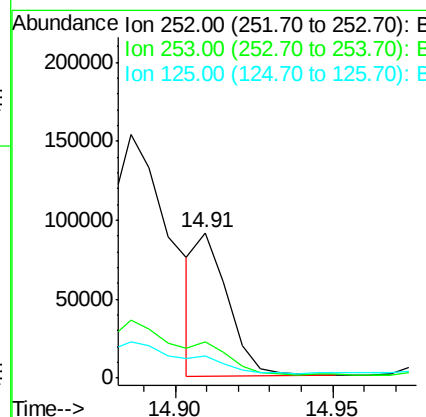
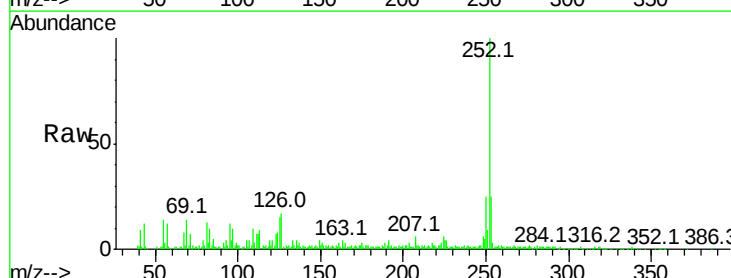
RT: 14.91 min Scan# 2180

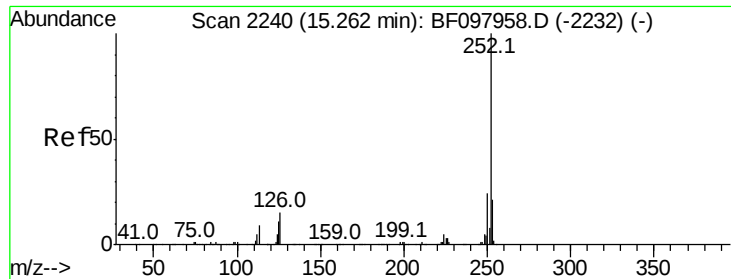
Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	62350		
253	24.6	18.4	27.6	
125	14.9	13.1	19.7	





#89

Benzo(a)pyrene

Concen: 13.892 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

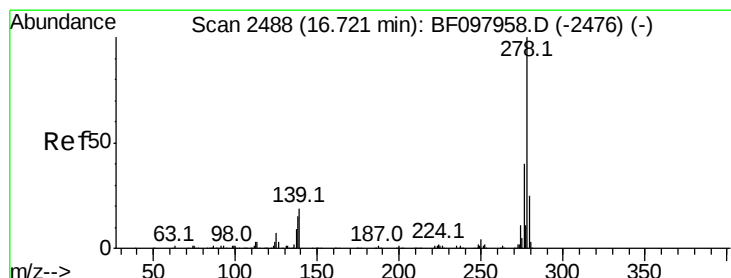
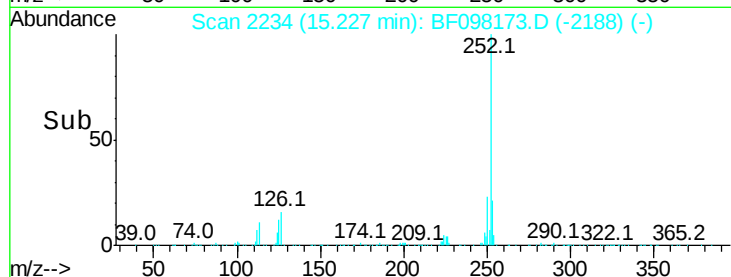
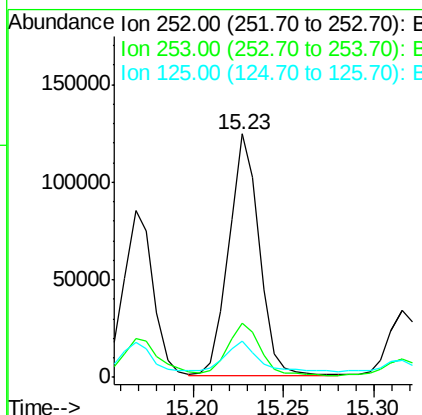
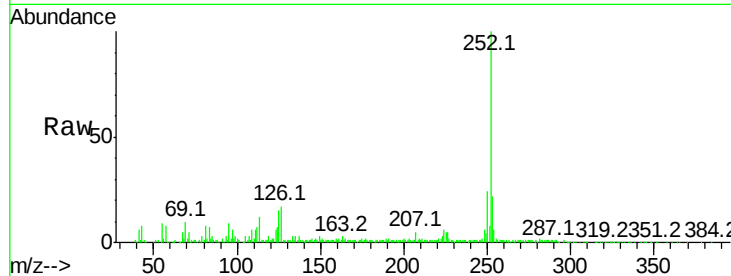
ClientSampleId :

PL-01-082917-C

Tot Ion:	252	Resp:	144334
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.5	26.3
125	14.8	11.0	16.4

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.268 ng

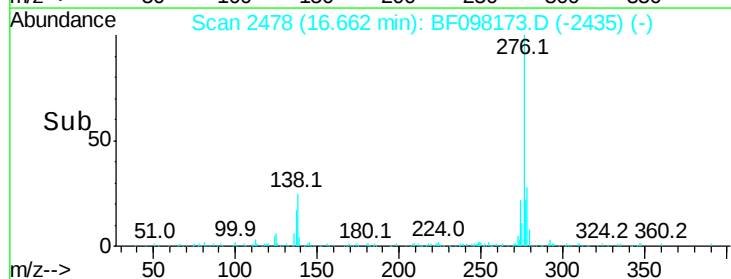
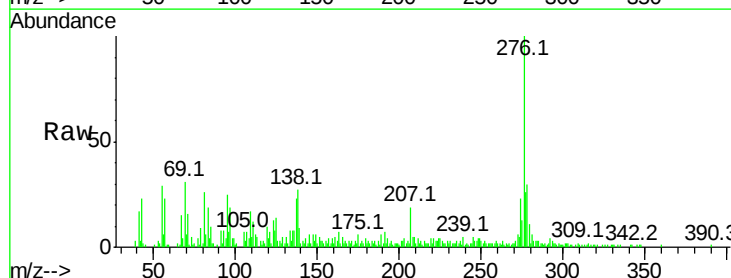
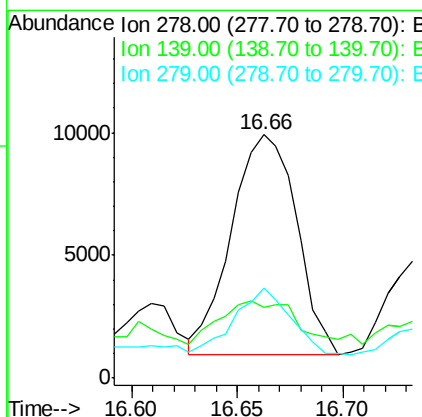
RT: 16.66 min Scan# 2478

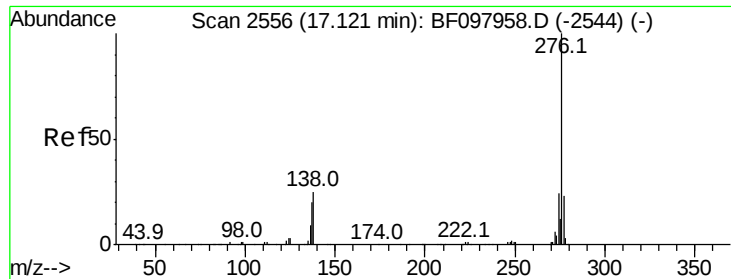
Delta R.T. -0.05 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Tgt Ion:	278	Resp:	19182
Ion Ratio	Lower	Upper	
278	100		
139	29.3	16.6	24.8#
279	36.8	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 7.765 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.04 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	28.0
138	27.9	25.4	38.0

Manual Integrations
 APPROVED

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 8/31/2017 7:12:35 PM

