

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097326.D
 Acq On : 3 Aug 2017 19:39
 Operator : SJ/JU
 Sample : I4541-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11944

Manual Integrations
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Sohil
 8/4/2017 5:30:19 PM

Quant Time: Aug 04 10:43:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	112464	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	454296	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	199750	20.00	ng	-0.07
63) Phenanthrene-d10	10.94	188	327616	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	212508	20.00	ng	-0.07
86) Perylene-d12	14.90	264	192567	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	734140	98.41	ng	-0.05
7) Phenol-d6	6.12	99	949135	111.44	ng	-0.05
23) Nitrobenzene-d5	7.02	82	546703	70.60	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	157330	99.69	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	823413	69.96	ng	-0.07
78) Terphenyl-d14	12.52	244	535946	51.42	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.20	163	135648	8.943	ng	99
70) Phenanthrene	10.96	178	166586	9.490	ng	98
71) Anthracene	11.02	178	42972	2.390	ng	99
74) Fluoranthene	12.14	202	342104	19.894	ng	98
77) Pyrene	12.36	202	316825	18.211	ng	99
80) Benzo(a)anthracene	13.55	228	157018	11.419	ng	99
82) Chrysene	13.58	228	150636	11.219	ng	97
85) Indeno(1,2,3-cd)pyrene	16.10	276	69140	6.005	ng	99
87) Benzo(b)fluoranthene	14.55	252	193740m	16.737	ng	
88) Benzo(k)fluoranthene	14.57	252	61721m	5.595	ng	
89) Benzo(a)pyrene	14.85	252	133115	12.565	ng	98
90) Dibenzo(a,h)anthracene	16.09	278	20593m	2.370	ng	
91) Benzo(a,h,i)perylene	16.45	276	73542	8.072	ng	97

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

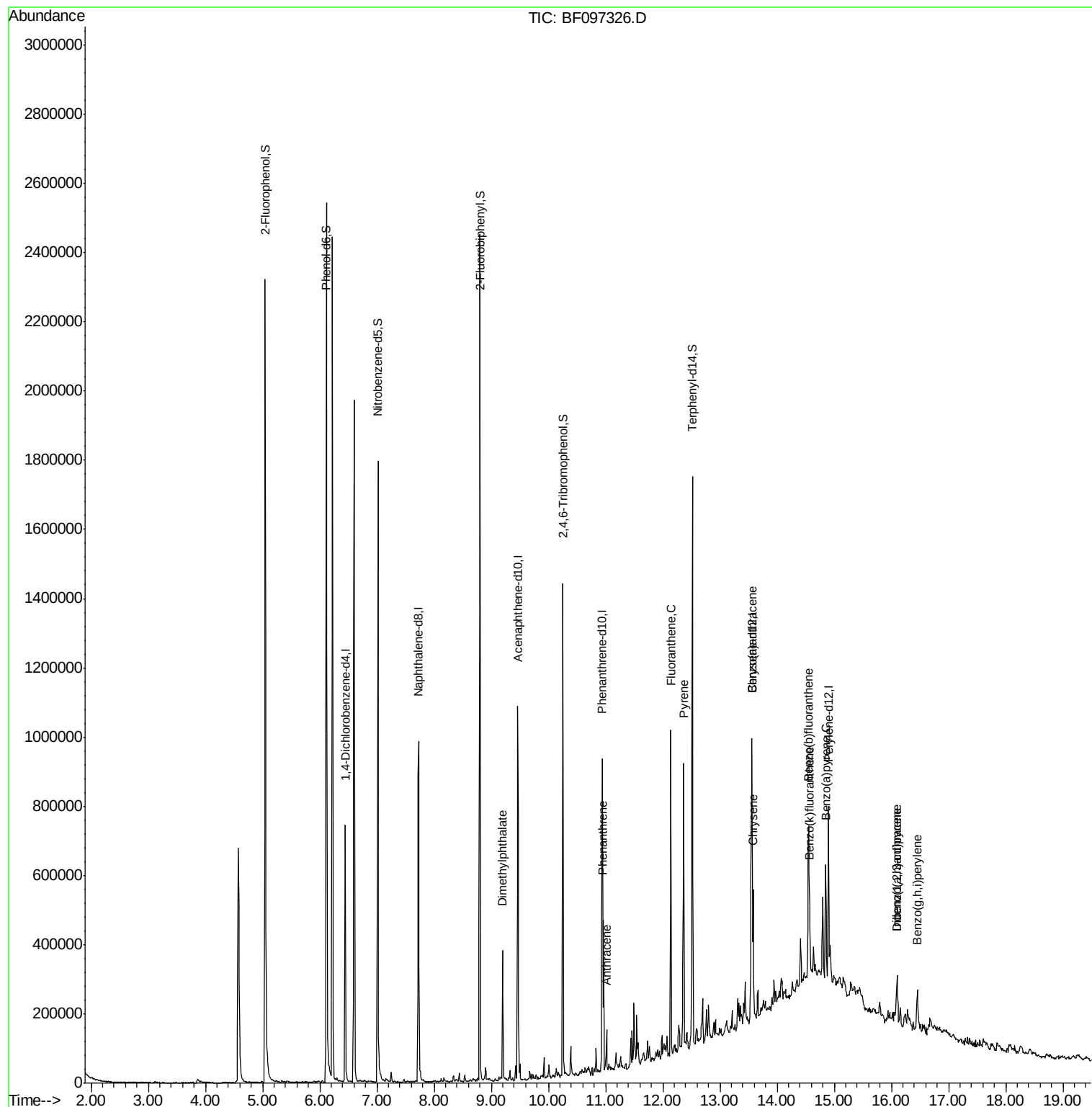
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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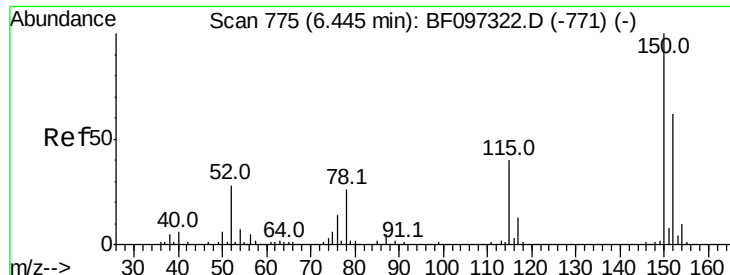
Instrument :
BNA_F
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72-11944

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#1

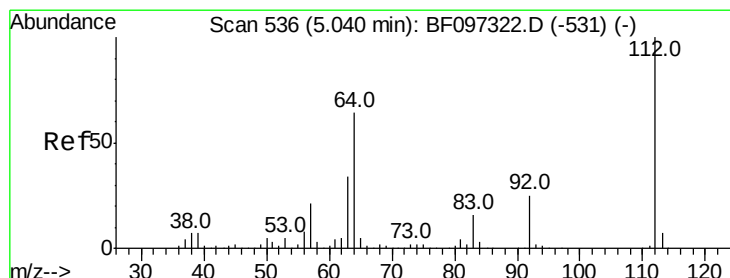
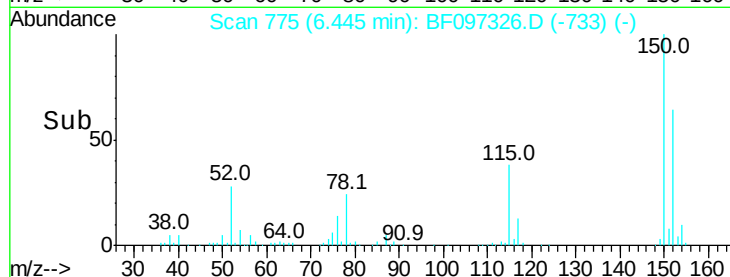
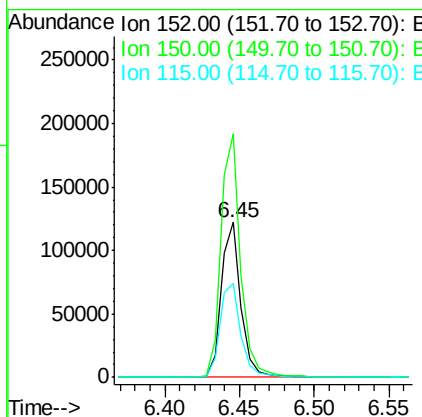
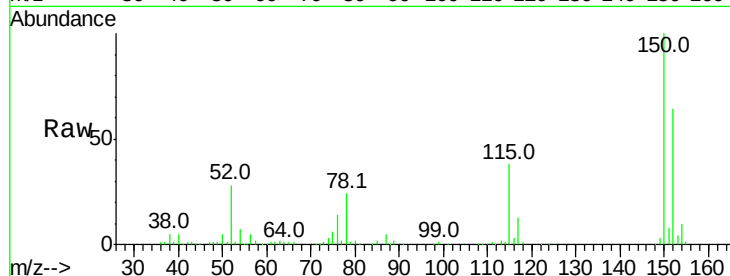
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Instrument :
BNA_F
ClientSampled :
72-11944

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	60.3	52.2	78.2

Manual Integrations
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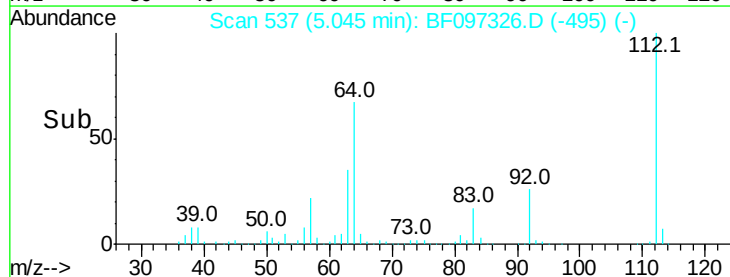
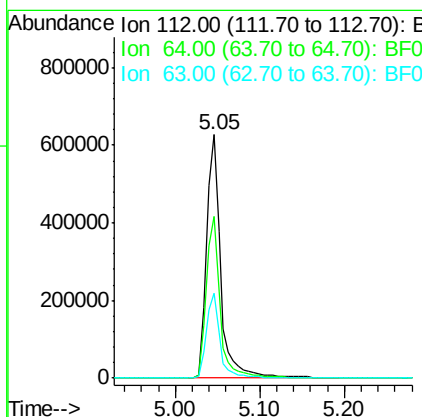
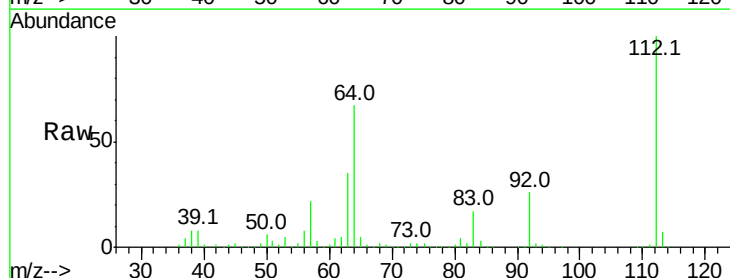
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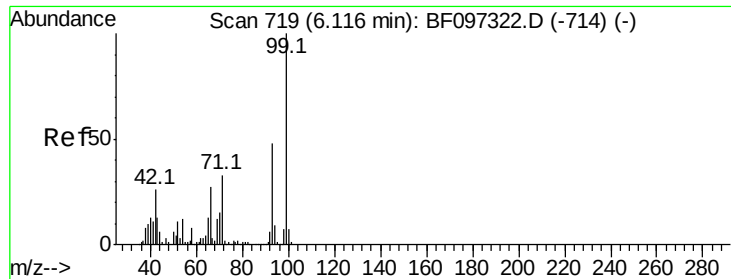


#5

2-Fluorophenol
Concen: 98.406 ng
RT: 5.05 min Scan# 537
Delta R.T. -0.05 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	46.0	69.0
63	34.8	23.4	35.0





#7

Phenol-d6

Concen: 111.442 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Instrument :

BNA_F

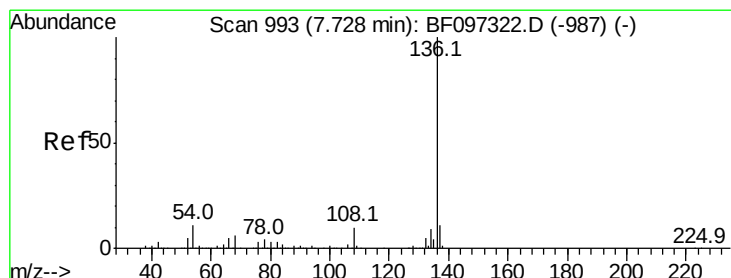
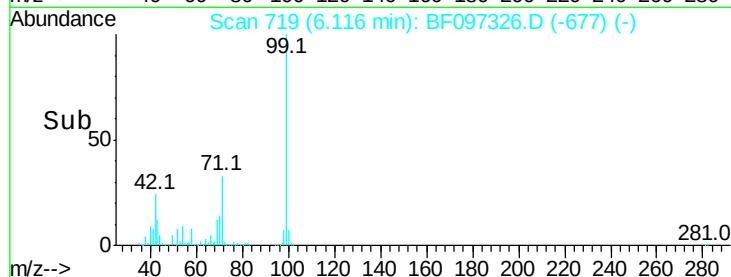
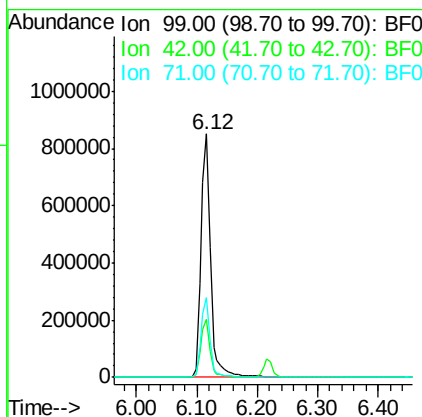
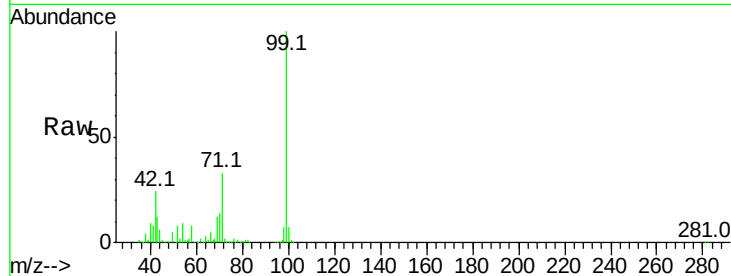
ClientSampled :

72-11944

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		949135		
42	23.7	13.5	20.3#		
71	32.7	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

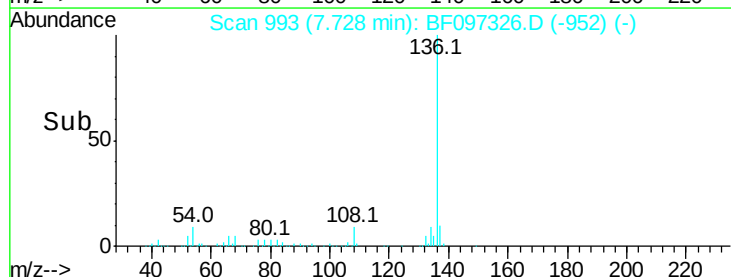
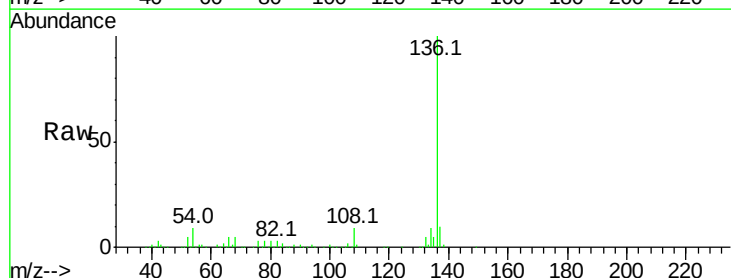
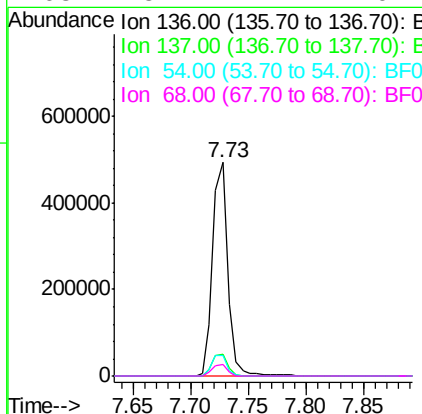
RT: 7.73 min Scan# 993

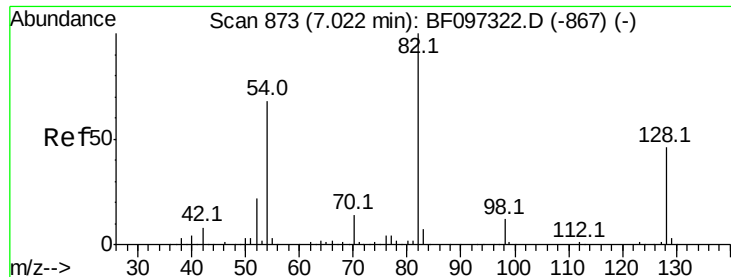
Delta R.T. -0.06 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		454296		
137	10.5	8.5	12.7		
54	9.4	4.9	7.3#		
68	5.2	4.1	6.1		





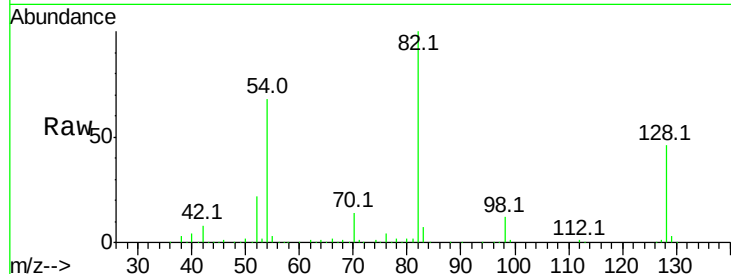
#23
Nitrobenzene-d5
Concen: 70.597 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Instrument :
BNA_F
ClientSampled :
72-11944

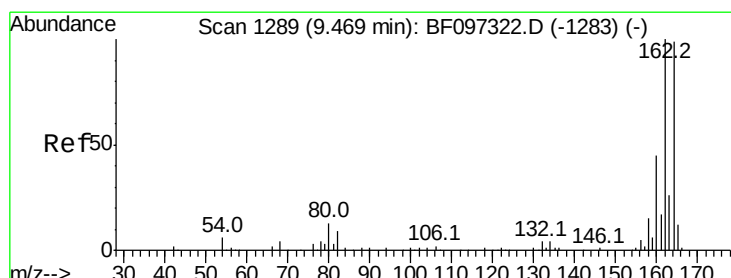
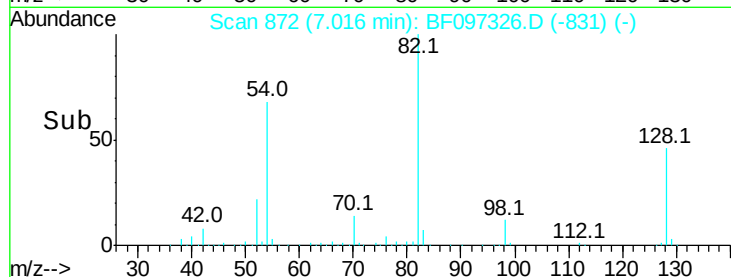
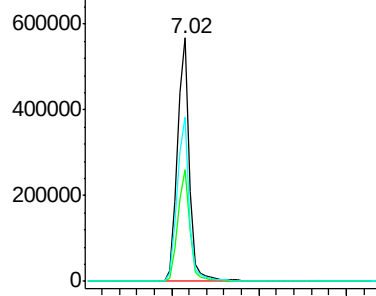
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	67.7	42.2	63.2

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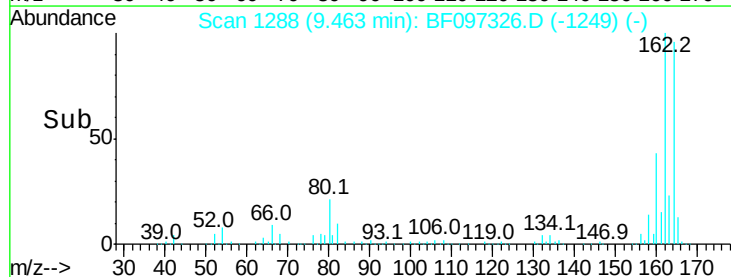
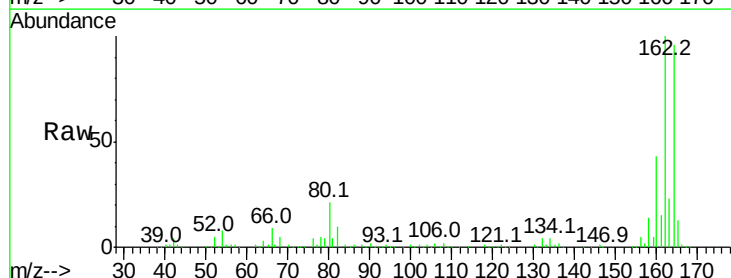
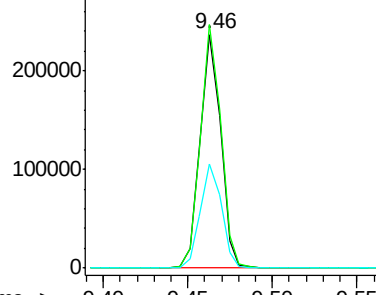
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Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

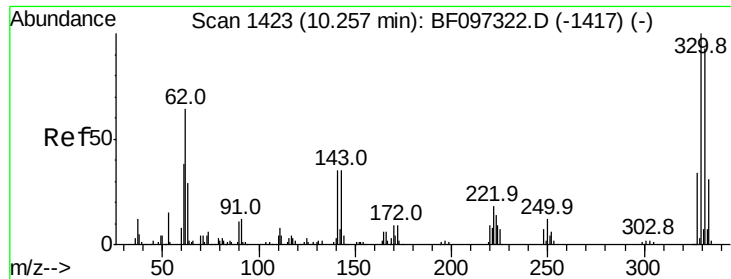


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.46 min Scan# 1288
Delta R.T. -0.07 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	123.8
160	44.6	36.2	54.2

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





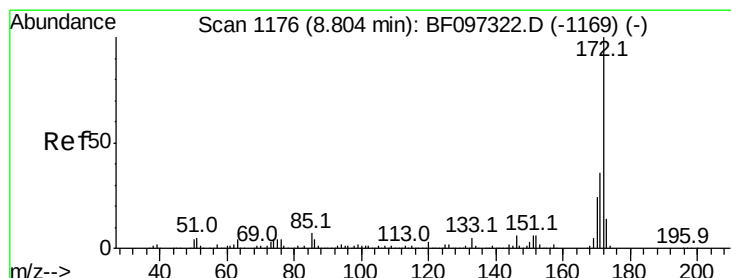
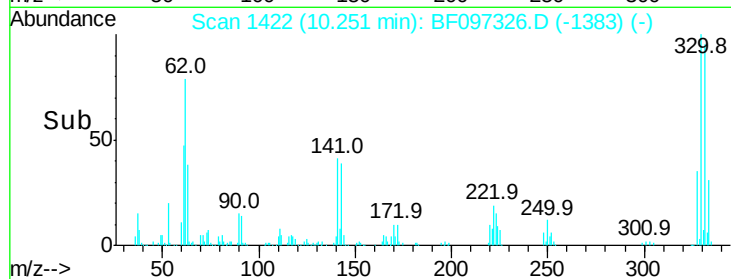
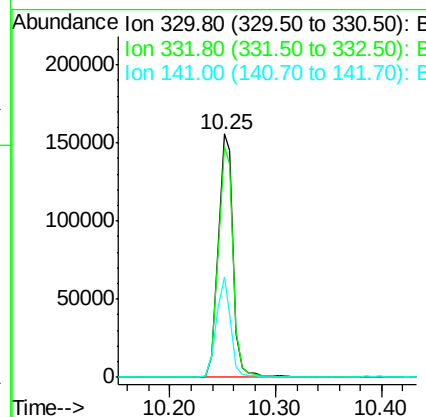
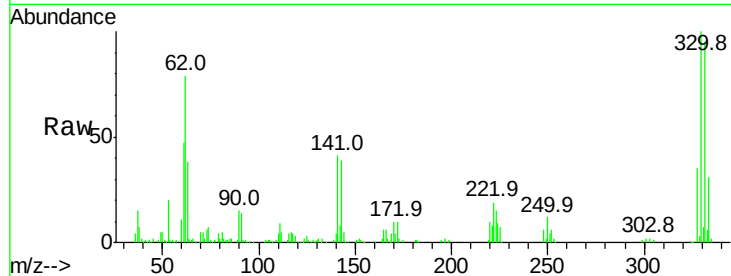
#41
 2,4,6-Tribromophenol
 Concen: 99.688 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.07 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 72-11944

Tot Ion	Ratio	Resp	Lower	Upper
330	100	157330		
332	95.4	76.6	115.0	
141	39.3	31.4	47.2	

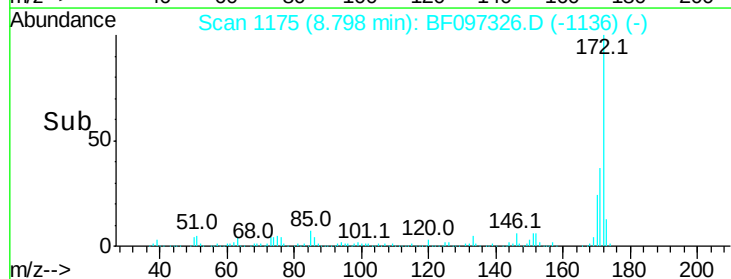
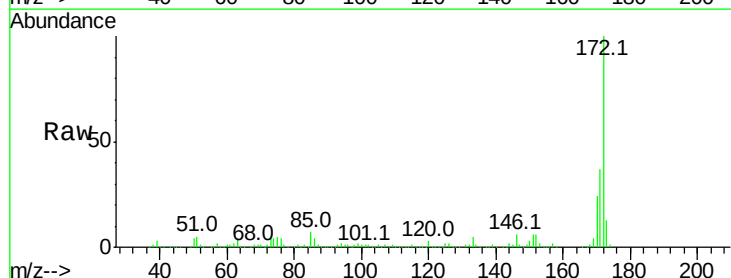
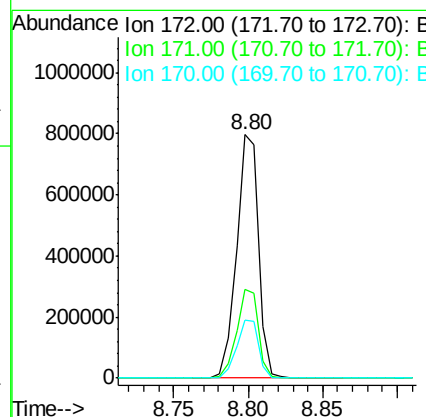
Manual Integrations
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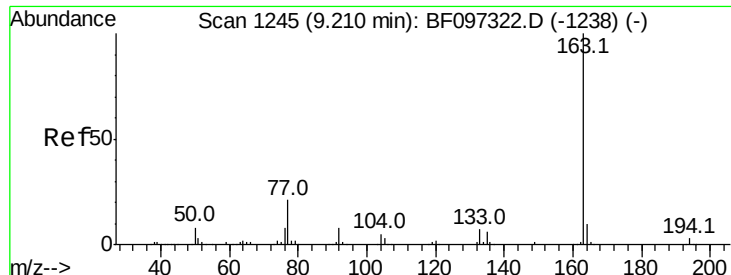
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#44
 2-Fluorobiphenyl
 Concen: 69.958 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.07 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	823413		
171	36.5	29.6	44.4	
170	24.1	19.8	29.8	





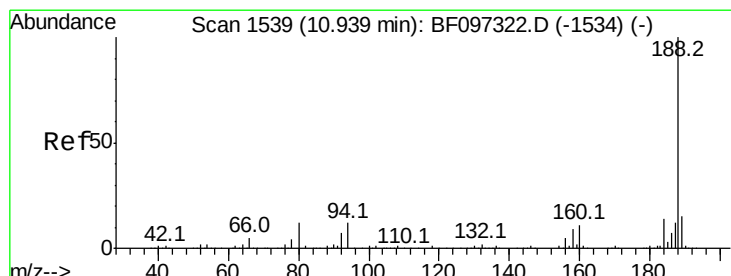
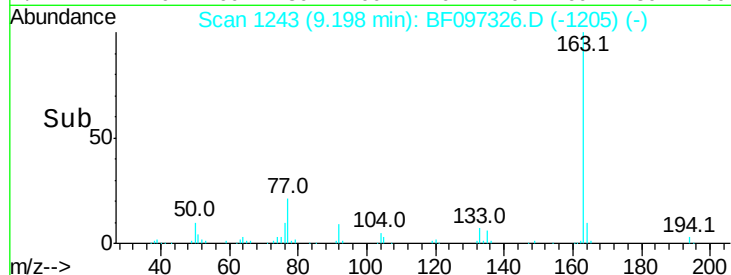
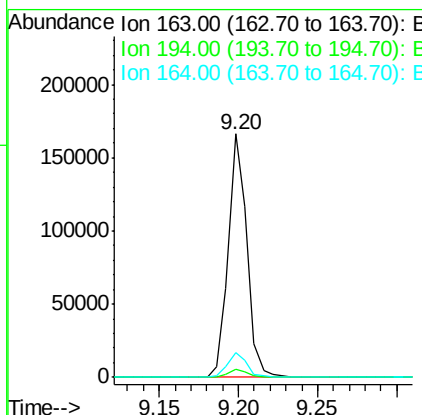
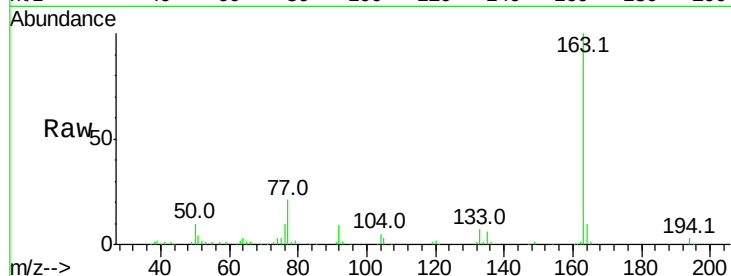
#49
Dimethylphthalate
Concen: 8.943 ng
RT: 9.20 min Scan# 1243
Delta R.T. -0.08 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Instrument :
BNA_F
ClientSampleId :
72-11944

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2	2.6	4.0	
164	10.1	8.4	12.6	

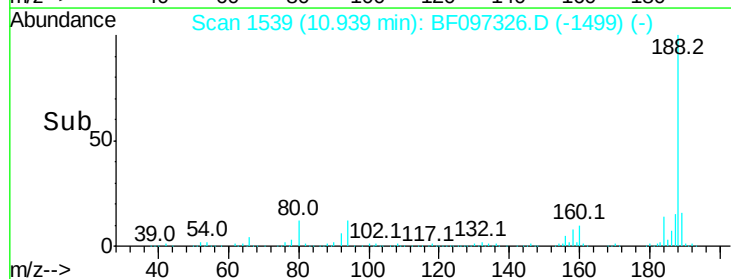
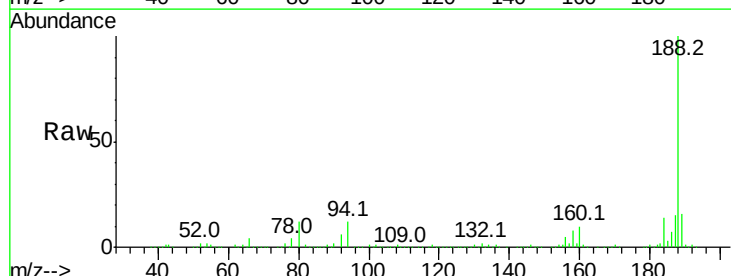
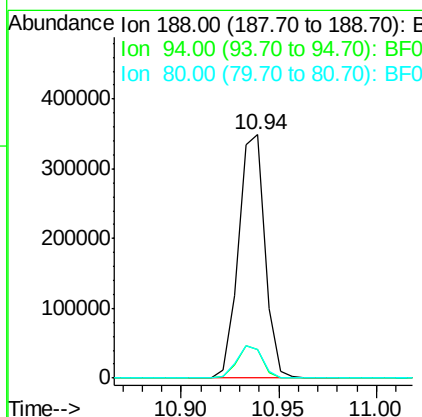
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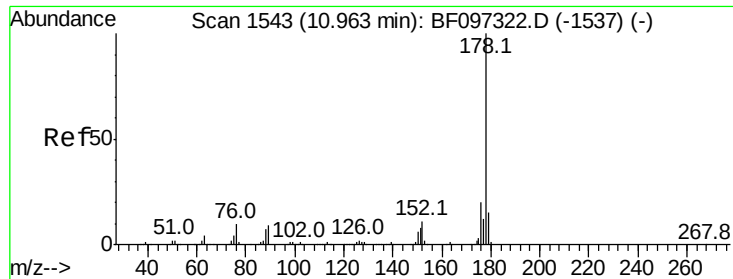
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.94 min Scan# 1539
Delta R.T. -0.06 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.6	9.4	14.2	
80	11.7	10.2	15.2	





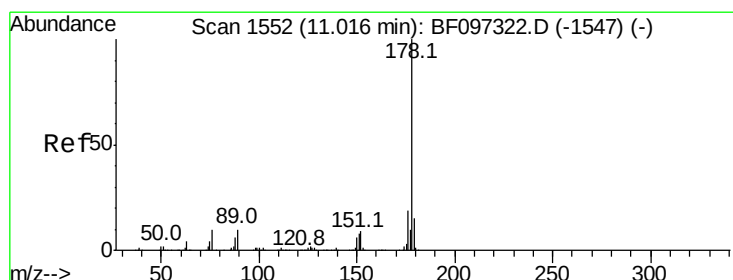
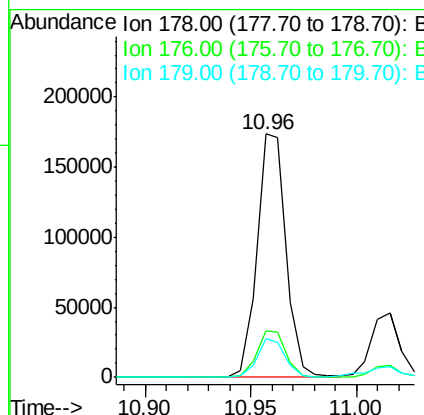
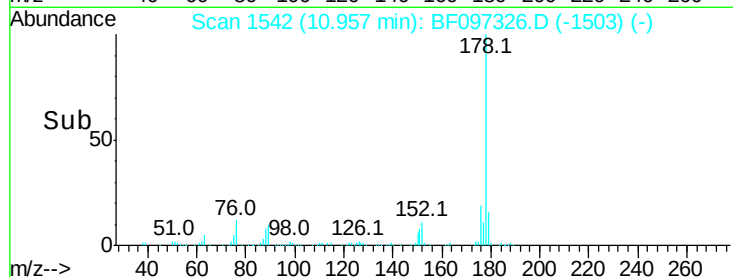
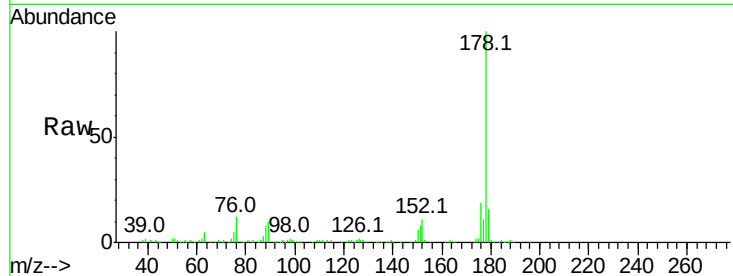
#70
 Phenanthrene
 Concen: 9.490 ng
 RT: 10.96 min Scan# 1542
 Delta R.T. -0.07 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:178	Resp:	166586
Ion Ratio	Lower	Upper
178	100	
176	18.8	16.2 24.4
179	15.9	12.6 19.0

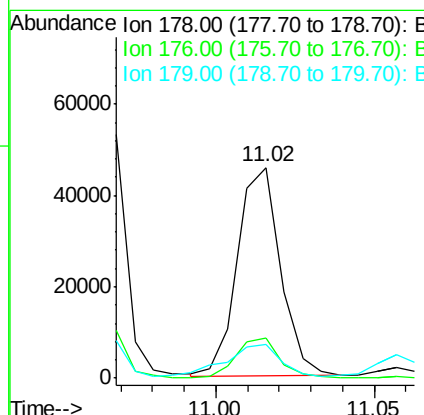
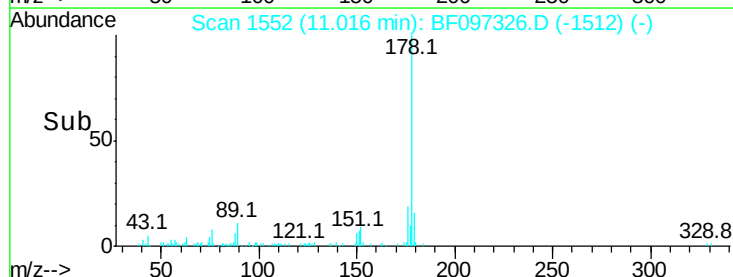
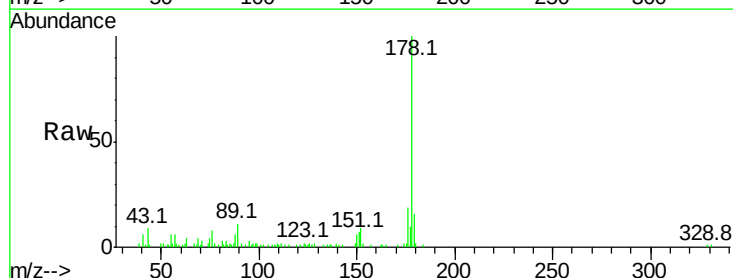
Manual Integrations
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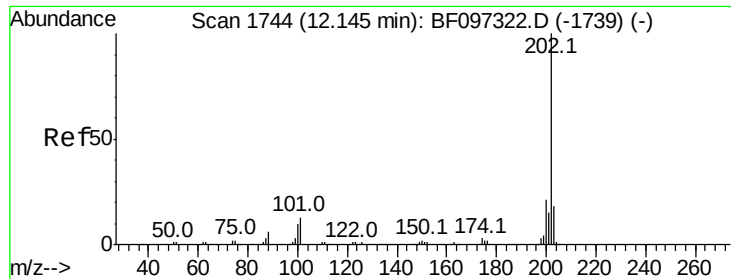
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#71
 Anthracene
 Concen: 2.390 ng
 RT: 11.02 min Scan# 1552
 Delta R.T. -0.06 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Tgt Ion:178	Resp:	42972
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.8 23.8
179	15.8	12.7 19.1





#74

Fluoranthene

Concen: 19.894 ng

RT: 12.14 min Scan# 1743

Delta R.T. -0.07 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Instrument :

BNA_F

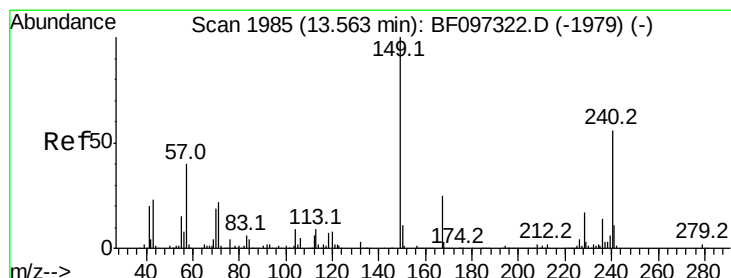
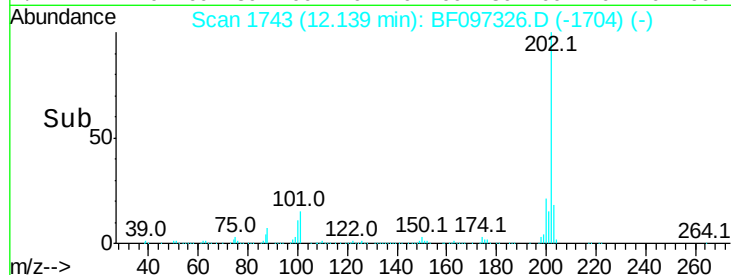
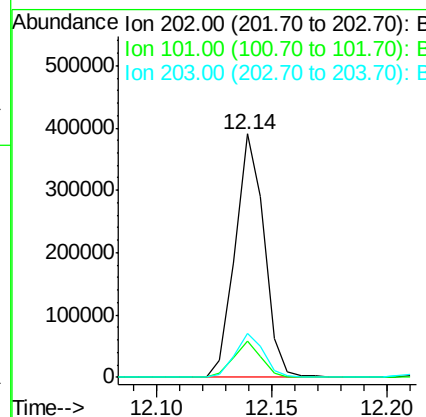
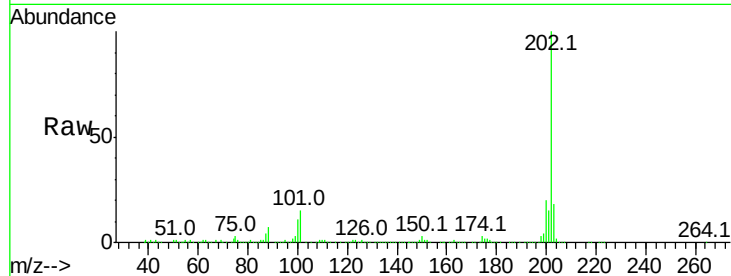
ClientSampled :

72-11944

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.1	0.0	33.2
203	17.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

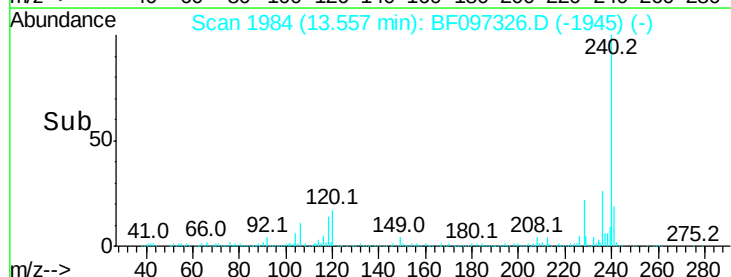
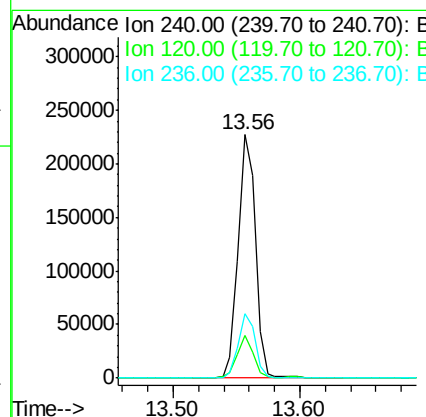
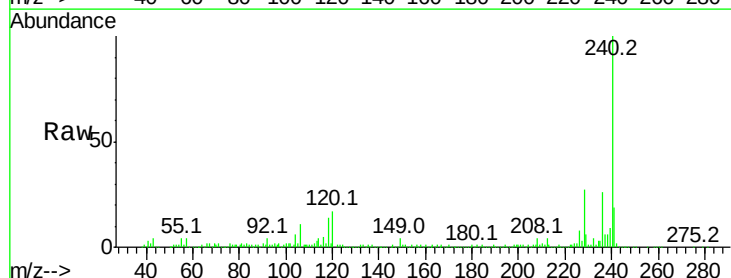
RT: 13.56 min Scan# 1984

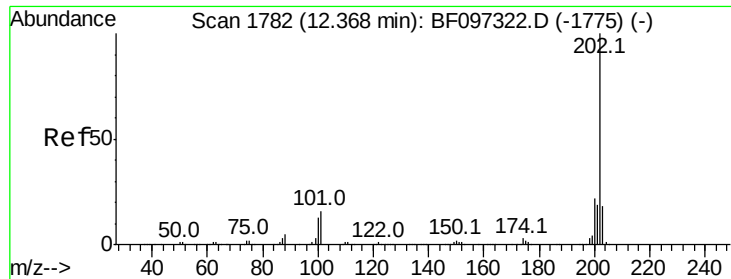
Delta R.T. -0.07 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.3	5.8	8.8#
236	26.2	20.5	30.7





#77

Pvrene

Concen: 18.211 ng

RT: 12.36 min Scan# 1781

Delta R.T. -0.07 min

Lab File: BF097326.D

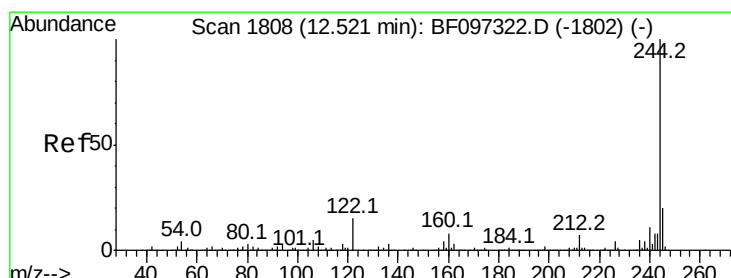
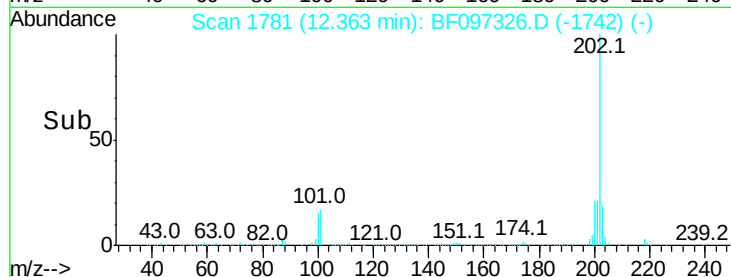
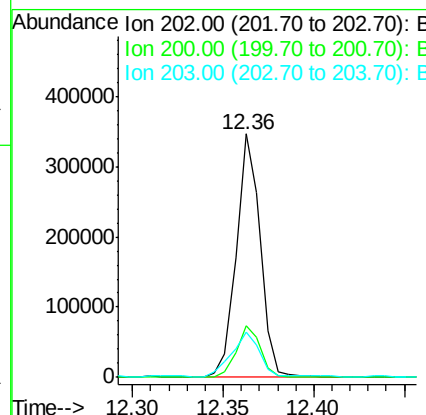
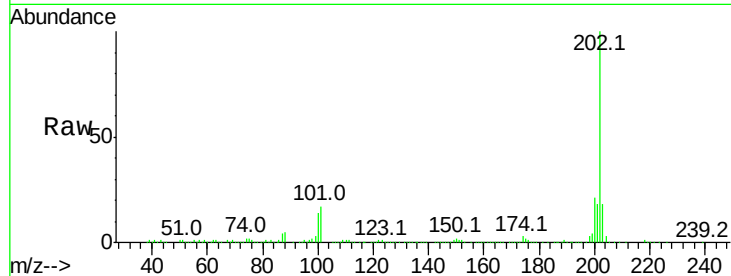
Acq: 3 Aug 2017 19:39

Instrument :
BNA_F
ClientSampleId :
72-11944

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.6	26.4	
203	18.4	14.4	21.6	

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#78

Terphenyl-d14

Concen: 51.420 ng

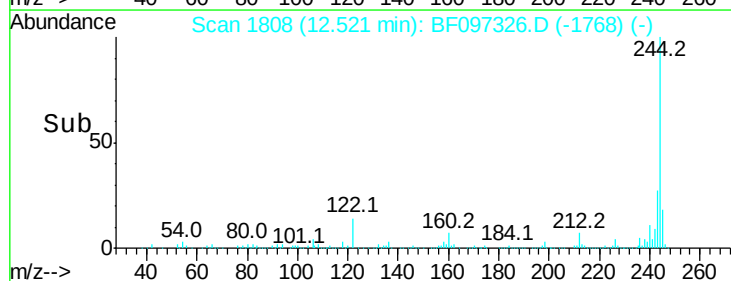
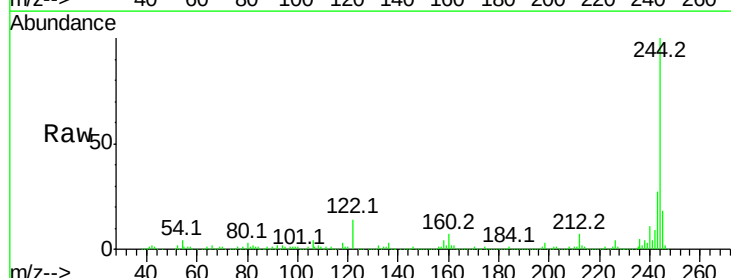
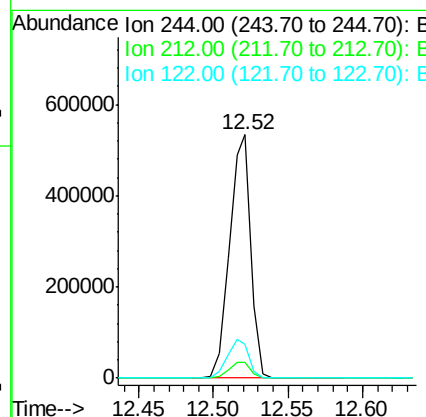
RT: 12.52 min Scan# 1808

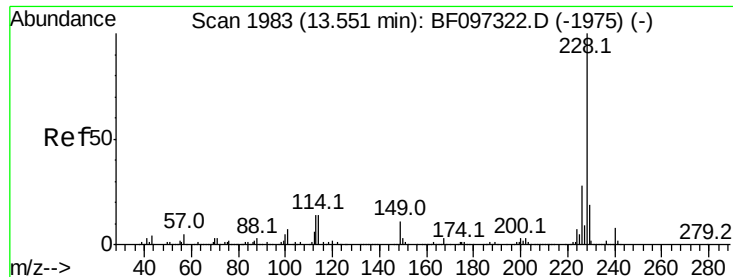
Delta R.T. -0.06 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	6.0	9.0	
122	13.9	10.3	15.5	





#80

Benzo(a)anthracene

Concen: 11.419 ng

RT: 13.55 min Scan# 1983

Delta R.T. -0.06 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Instrument :

BNA_F

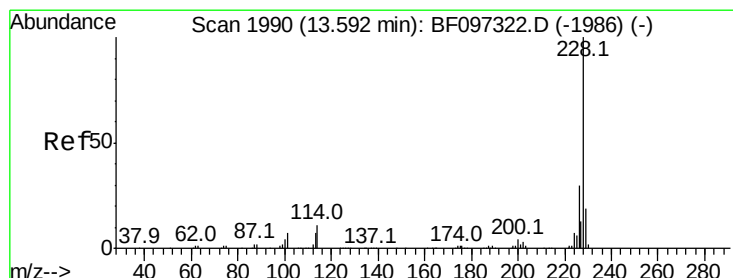
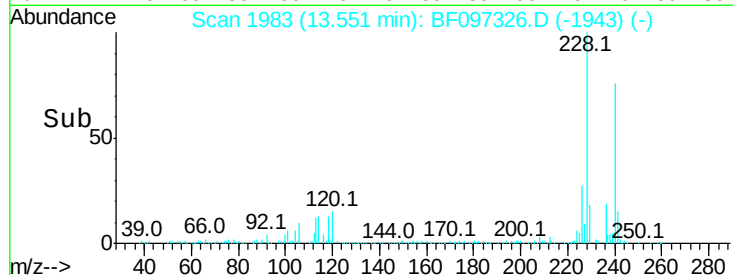
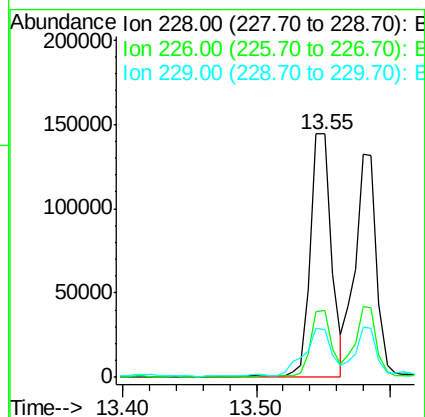
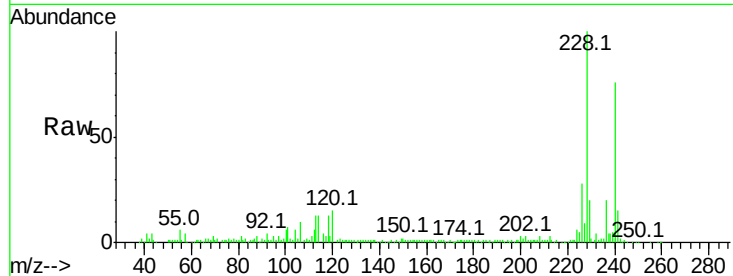
ClientSampleId :

72-11944

Tot Ion:	228	Resp:	157018
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	33.8
229	19.6	16.3	24.5

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#82

Chrysene

Concen: 11.219 ng

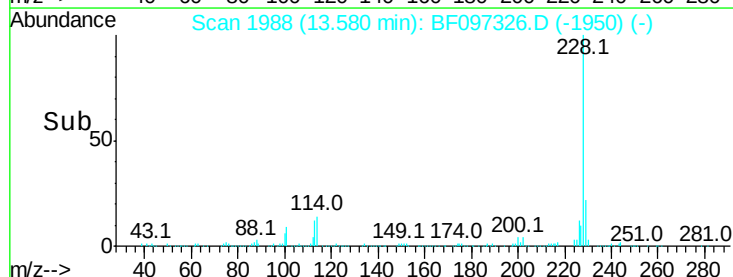
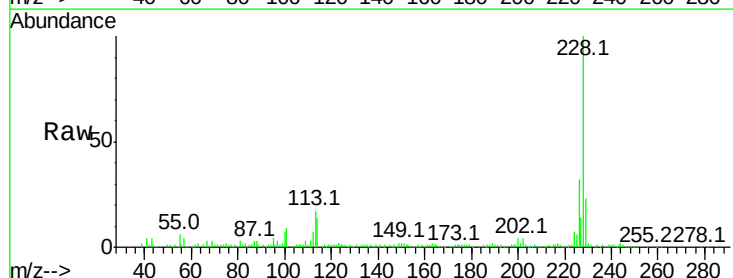
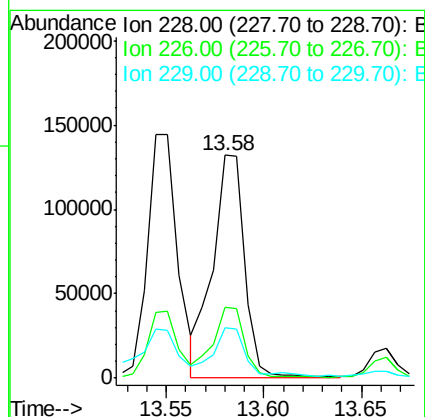
RT: 13.58 min Scan# 1988

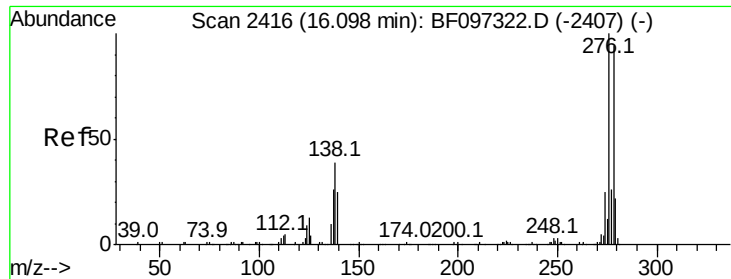
Delta R.T. -0.08 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Tgt Ion:	228	Resp:	150636
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.9	37.3
229	22.8	15.8	23.6





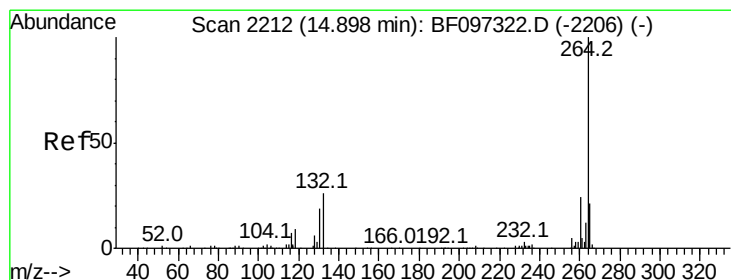
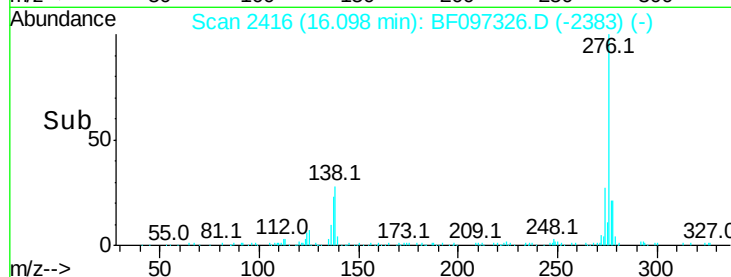
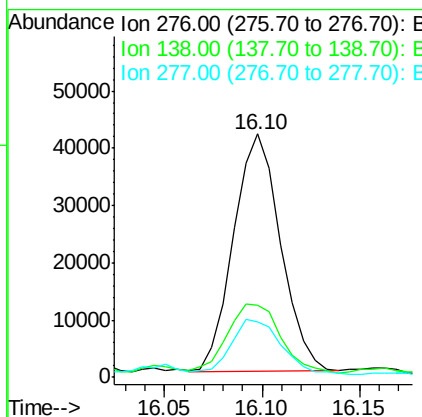
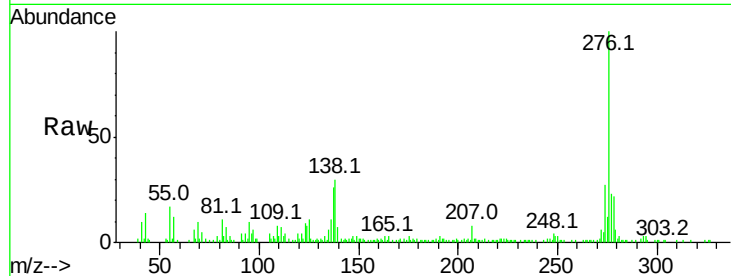
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.005 ng
 RT: 16.10 min Scan# 2416
 Delta R.T. -0.11 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Instrument :
 BNA_F
 ClientSampled :
 72-11944

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.6	27.8	41.6
277	25.1	20.2	30.4

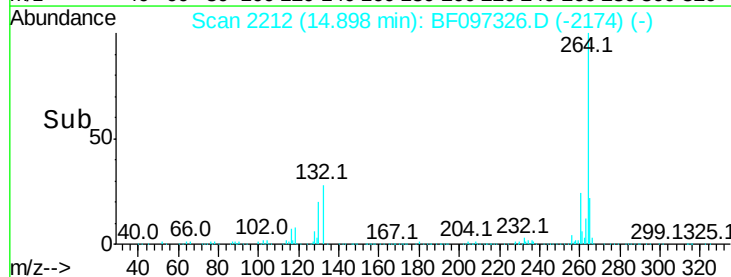
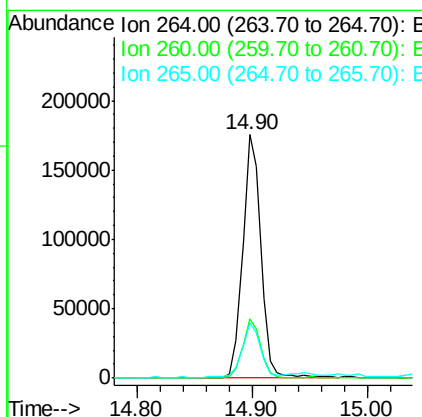
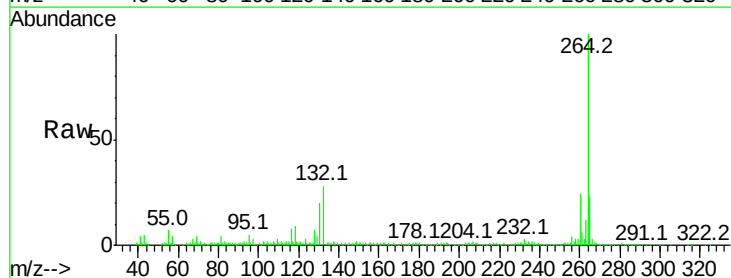
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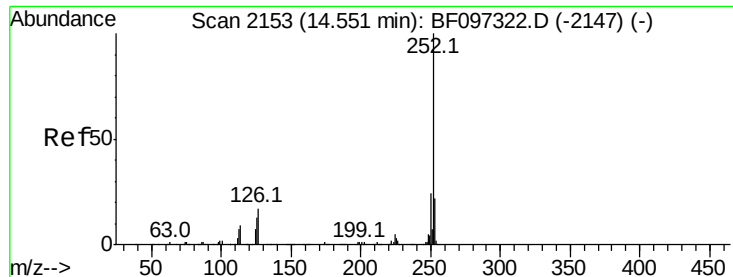
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.90 min Scan# 2212
 Delta R.T. -0.08 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.6	17.2	25.8





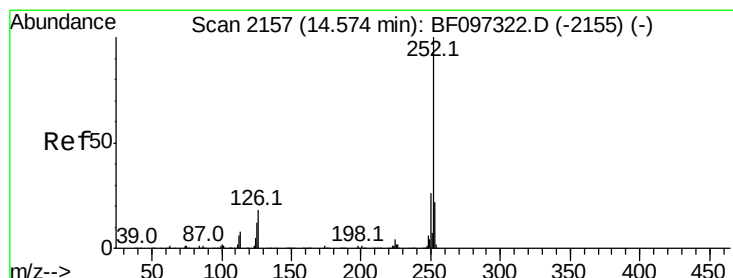
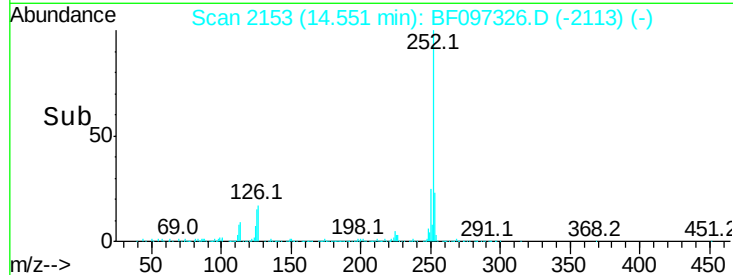
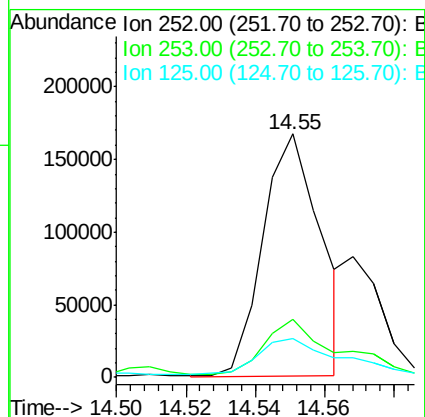
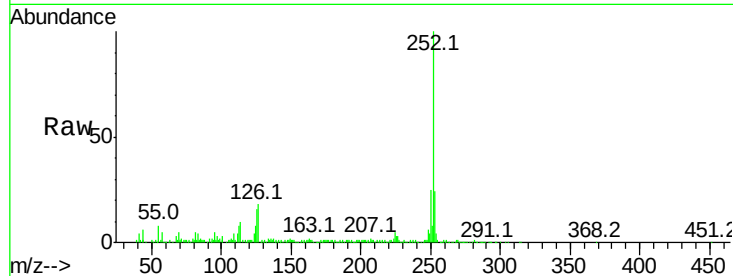
#87
Benzo(b)fluoranthene
Concen: 16.737 ng m
RT: 14.55 min Scan# 2153
Delta R.T. -0.06 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Instrument :
BNA_F
ClientSampleId :
72-11944

Tot Ion	Ratio	Resp	Lower	Upper
252	100	193740		
253	23.6	18.1	27.1	
125	15.9	9.8	14.8	

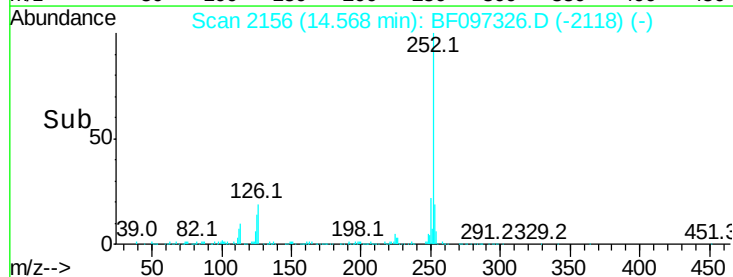
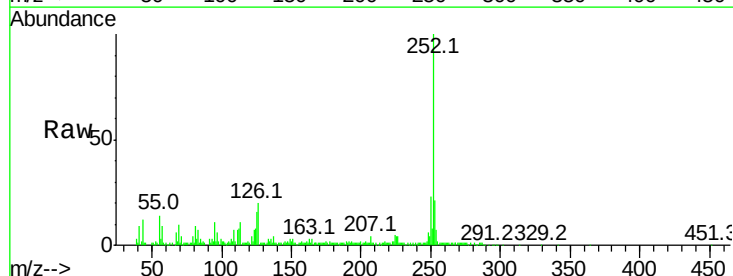
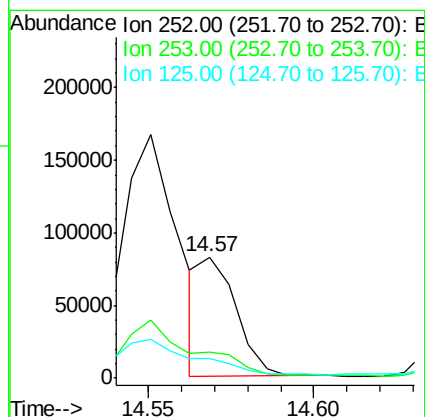
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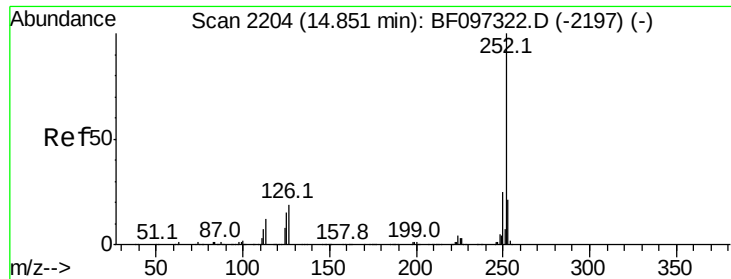
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#88
Benzo(k)fluoranthene
Concen: 5.595 ng m
RT: 14.57 min Scan# 2156
Delta R.T. -0.08 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	61721		
253	21.3	18.4	27.6	
125	15.9	13.1	19.7	





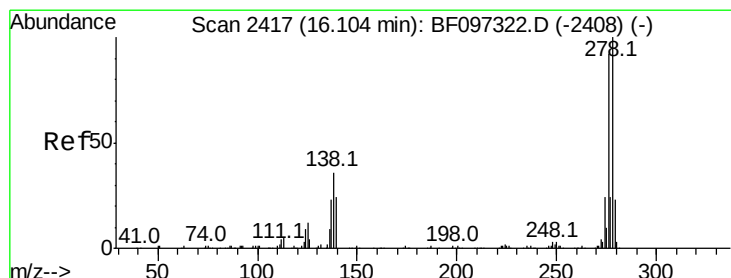
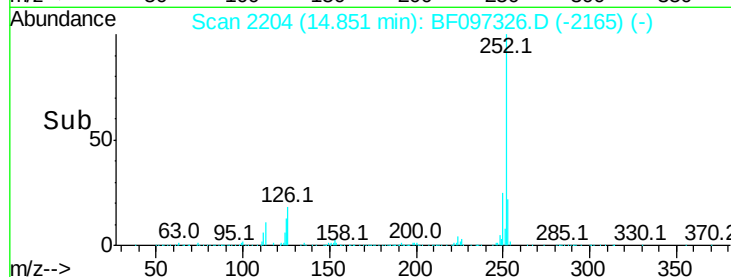
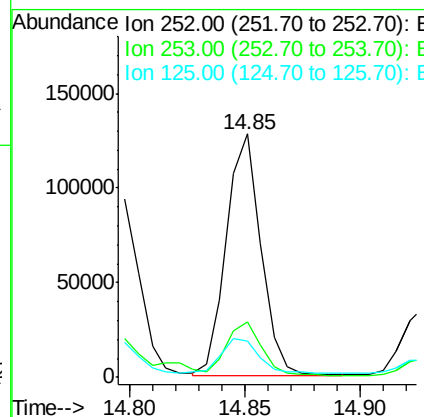
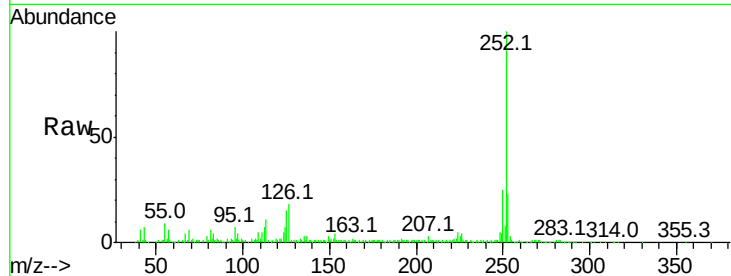
#89
Benzo(a)pyrene
Concen: 12.565 ng
RT: 14.85 min Scan# 2204
Delta R.T. -0.07 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Instrument :
BNA_F
ClientSampleId :
72-11944

Tot Ion	Ratio	Resp	Lower	Upper
252	100	133115		
253	22.7		17.5	26.3
125	15.0		11.0	16.4

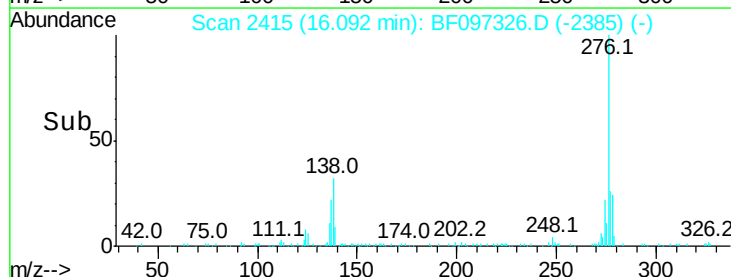
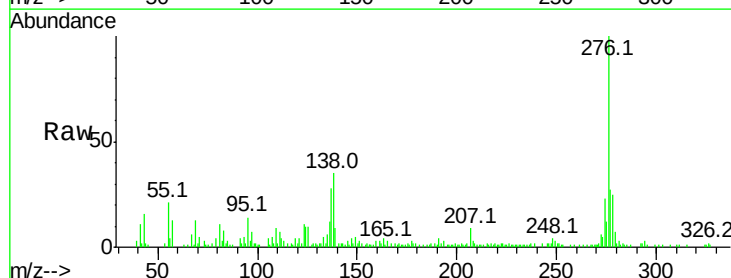
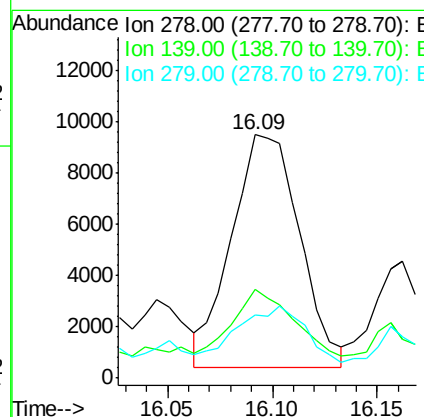
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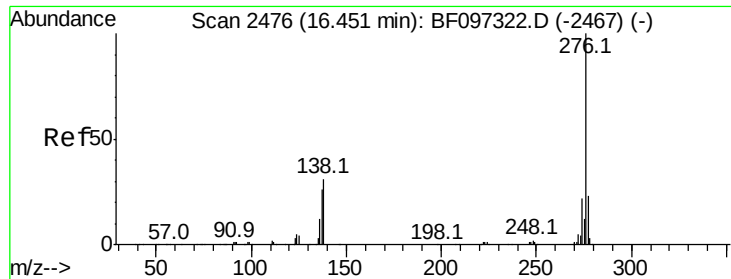
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#90
Dibenzo(a,h)anthracene
Concen: 2.370 ng m
RT: 16.09 min Scan# 2415
Delta R.T. -0.12 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	20593		
139	36.3		16.6	24.8#
279	25.7		19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 8.072 ng
 RT: 16.45 min Scan# 2476
 Delta R.T. -0.12 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 72-11944

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	33.4	25.4	38.0

Manual Integrations
 APPROVED

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