

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097567.D
 Acq On : 10 Aug 2017 19:31
 Operator : SJ/JU
 Sample : I4695-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080917

Manual Integrations
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Quant Time: Aug 11 02:20:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	114029	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	483659	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	196955	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	296602	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	193765	20.00	ng	-0.02
86) Perylene-d12	14.86	264	197734	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	676681	89.46	ng	-0.02
7) Phenol-d6	6.07	99	855916	99.12	ng	-0.02
23) Nitrobenzene-d5	6.97	82	533301	64.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	133198	85.60	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	738381	63.62	ng	-0.02
78) Terphenyl-d14	12.48	244	416054	43.78	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.16	163	196784	13.157	ng	98
51) Acenaphthene	9.45	154	48191	4.306	ng	99
54) Dibenzofuran	9.63	168	50865	3.412	ng	99
57) Fluorene	9.96	166	80656	7.198	ng	99
70) Phenanthrene	10.92	178	735768	46.298	ng	100
71) Anthracene	10.97	178	196135	12.050	ng	98
72) Carbazole	11.14	167	75518	4.718	ng	98
74) Fluoranthene	12.10	202	527658	33.892	ng	96
77) Pyrene	12.33	202	543125	34.239	ng	99
80) Benzo(a)anthracene	13.52	228	260660	20.791	ng	99
82) Chrysene	13.55	228	234589	19.162	ng	97
85) Indeno(1,2,3-cd)pyrene	16.06	276	110455	10.522	ng	91
87) Benzo(b)fluoranthene	14.52	252	308515m	25.956	ng	
88) Benzo(k)fluoranthene	14.54	252	76089m	6.718	ng	
89) Benzo(a)pyrene	14.82	252	211346	19.428	ng	100
90) Dibenzo(a,h)anthracene	16.06	278	31109	3.487	ng	# 89
91) Benzo(a,h,i)perylene	16.40	276	105300	11.256	ng	94

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

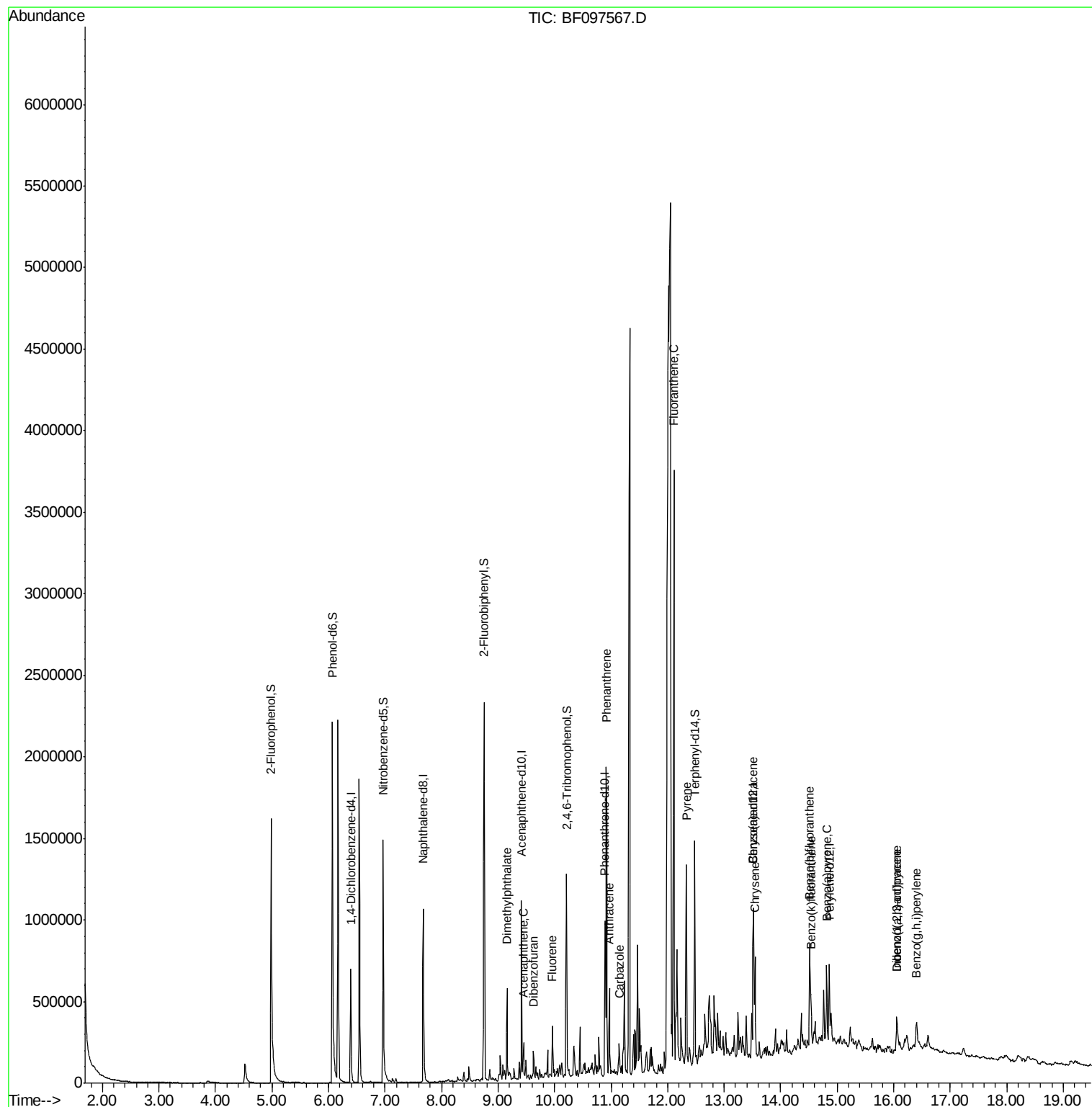
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
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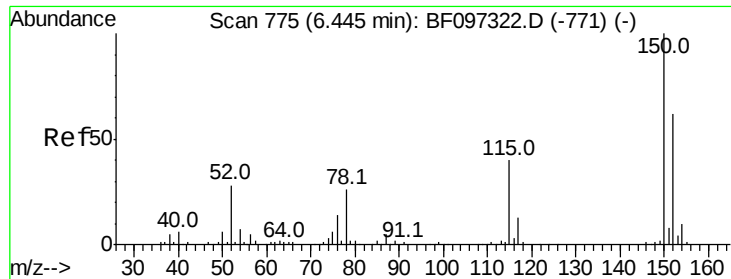
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#1

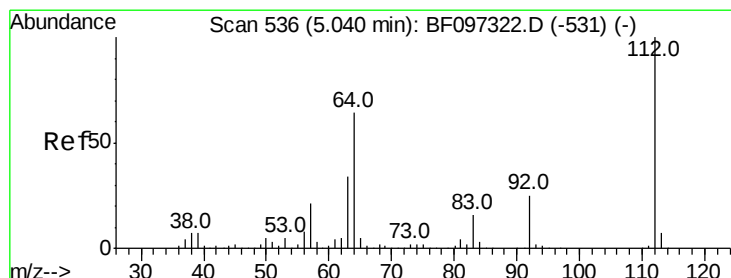
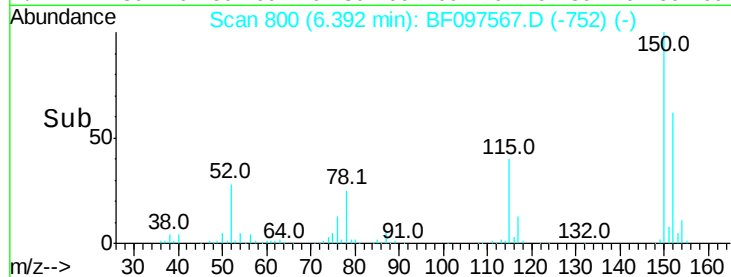
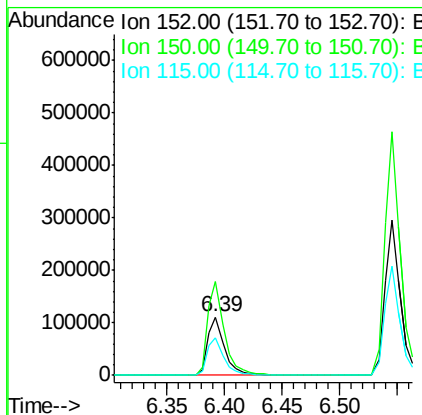
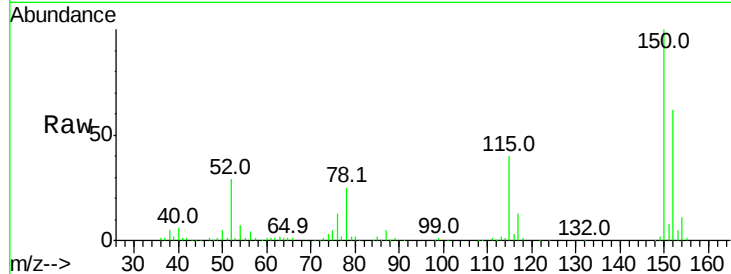
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.39 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Instrument :
BNA_F
ClientSampleId :
TR-04-080917

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.2	189.2
115	65.0	52.2	78.2

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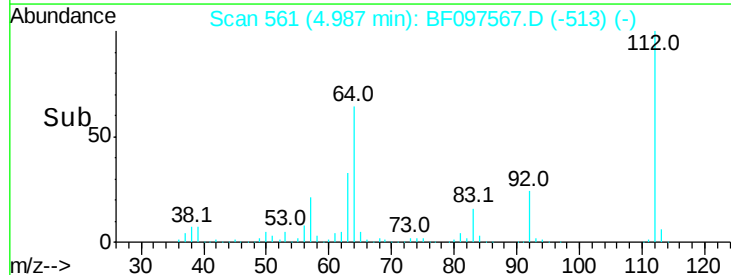
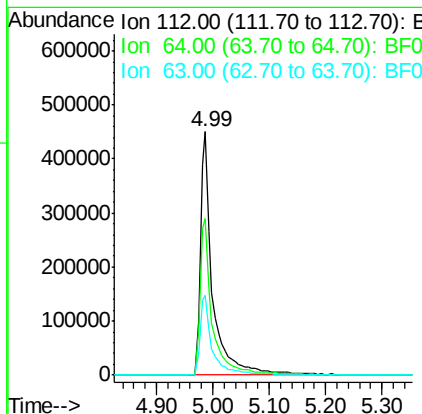
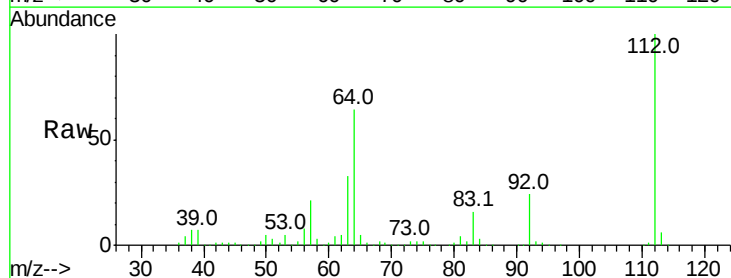
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#5

2-Fluorophenol
Concen: 89.459 ng
RT: 4.99 min Scan# 561
Delta R.T. -0.02 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	46.0	69.0
63	32.9	23.4	35.0





#7

Phenol-d6

Concen: 99.117 ng

RT: 6.07 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF097567.D

Acq: 10 Aug 2017 19:31

Instrument :

BNA_F

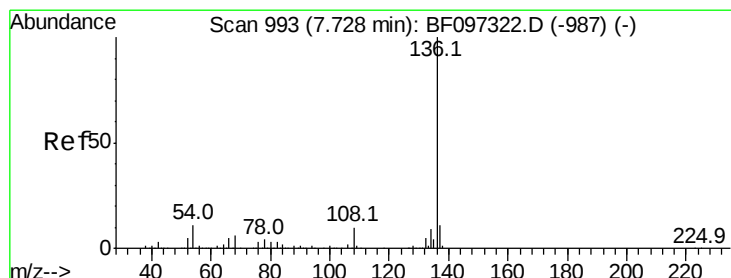
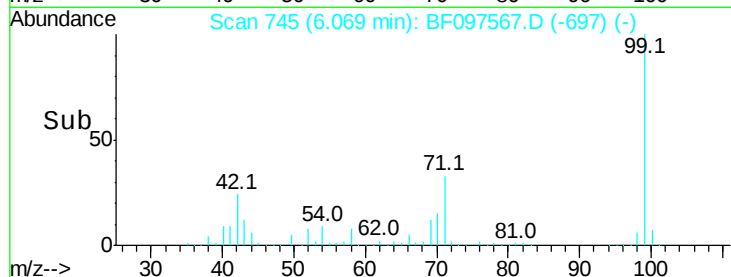
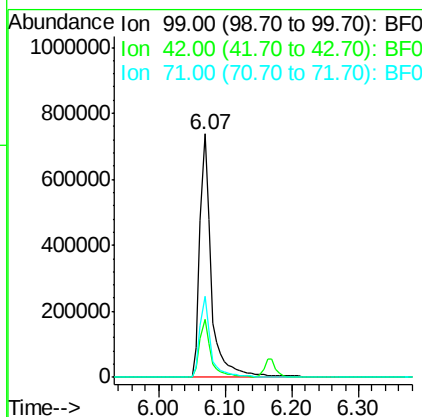
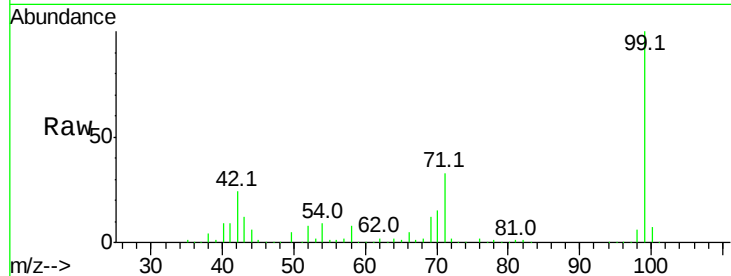
ClientSampleId :

TR-04-080917

Tot Ion:	99	Resp:	855916
Ion Ratio	Lower	Upper	
99	100		
42	24.1	13.5	20.3#
71	33.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

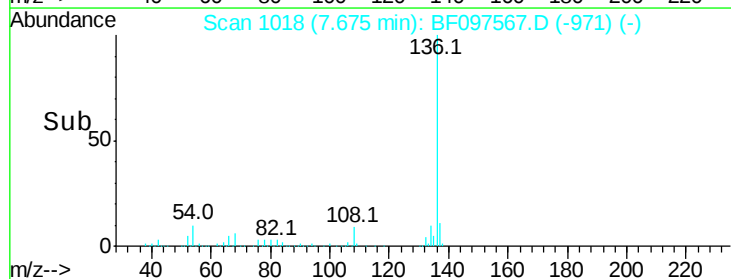
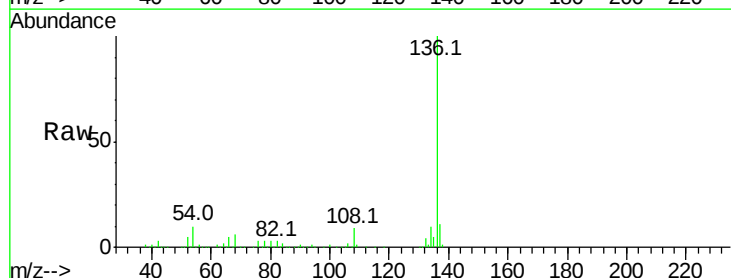
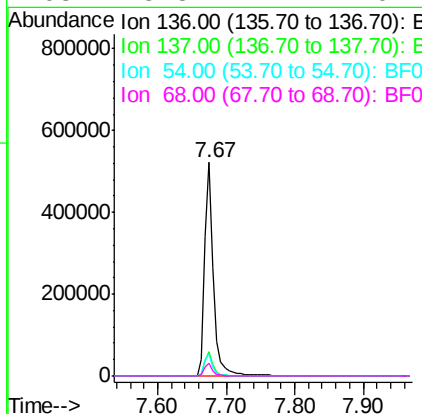
RT: 7.67 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF097567.D

Acq: 10 Aug 2017 19:31

Tgt Ion:	136	Resp:	483659
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	10.3	4.9	7.3#
68	5.8	4.1	6.1





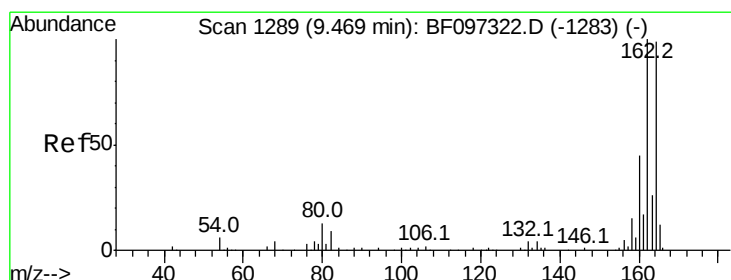
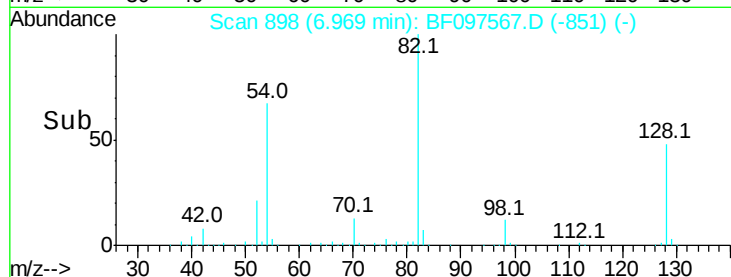
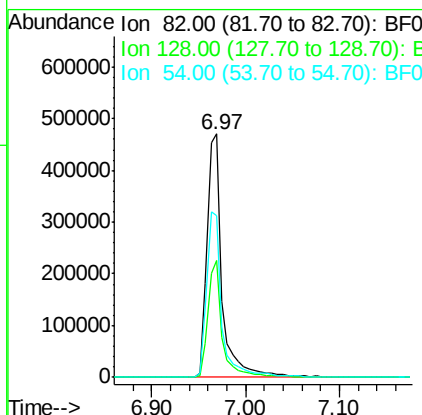
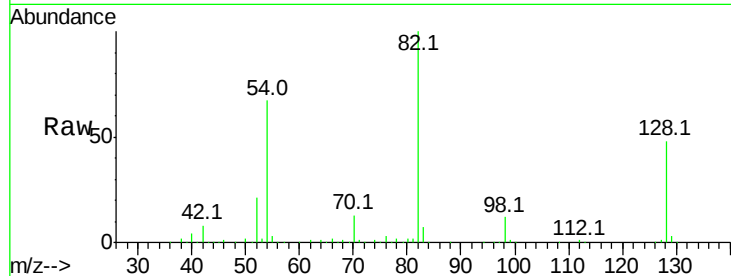
#23
 Nitrobenzene-d5
 Concen: 64.685 ng
 RT: 6.97 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF097567.D
 Acq: 10 Aug 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080917

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.2	34.0	51.0	
54	66.6	42.2	63.2	

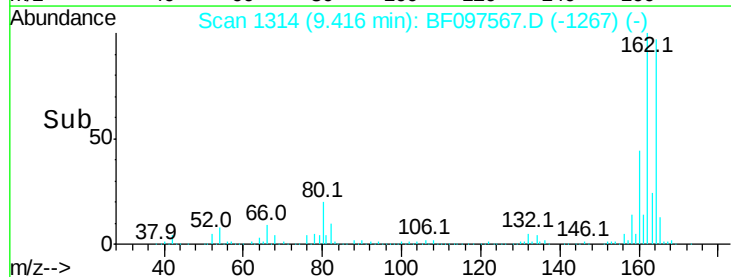
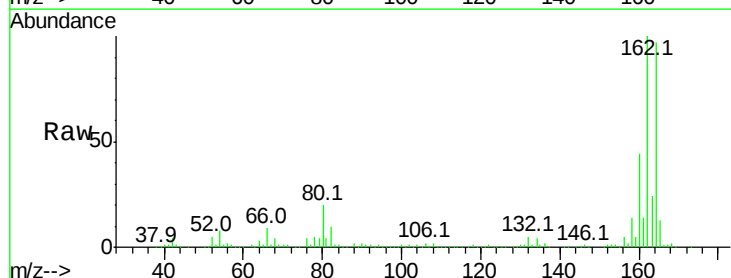
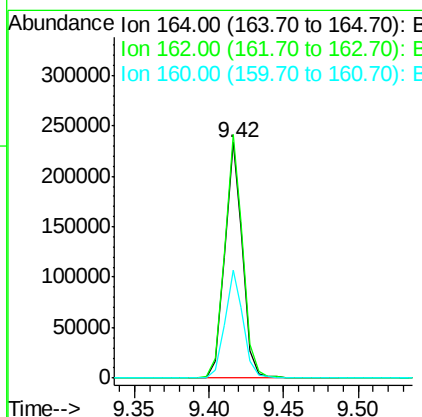
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.42 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF097567.D
 Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.3	82.6	123.8	
160	45.6	36.2	54.2	





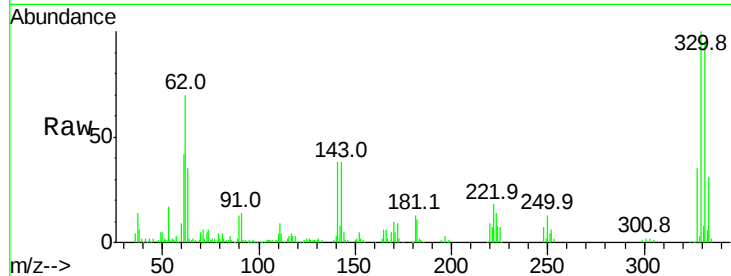
#41
 2,4,6-Tribromophenol
 Concen: 85.595 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF097567.D
 Acq: 10 Aug 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080917

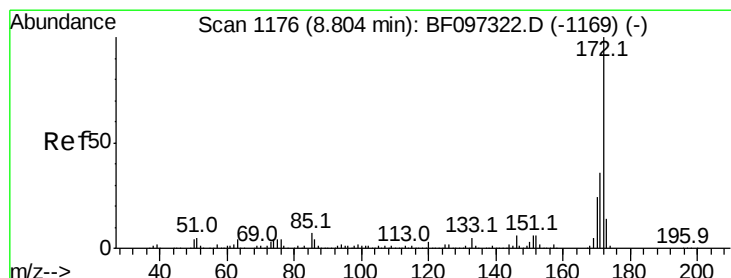
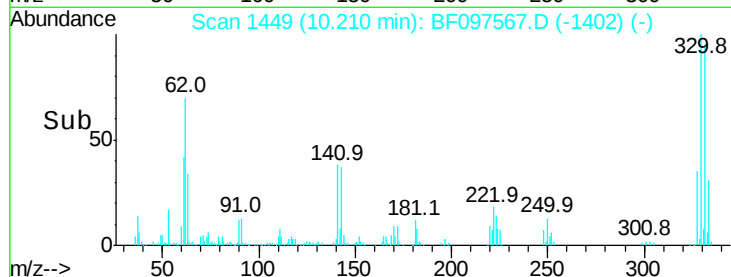
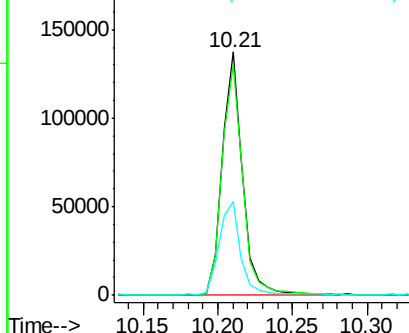
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	76.6	115.0	
141	40.9	31.4	47.2	

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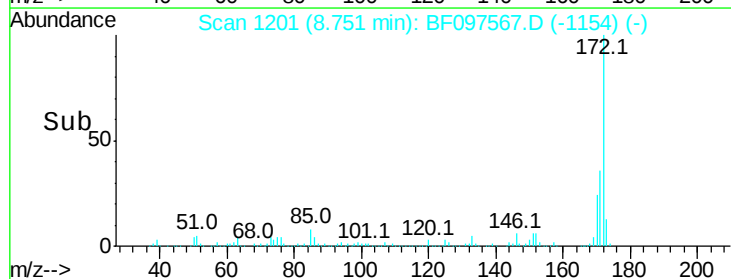
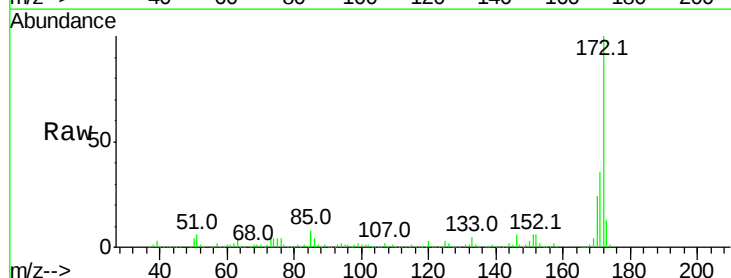
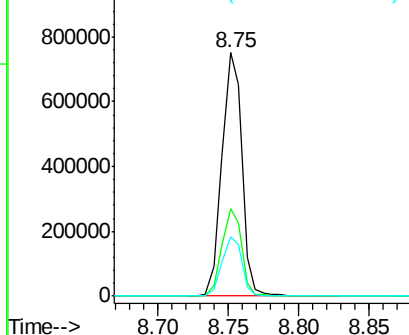
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

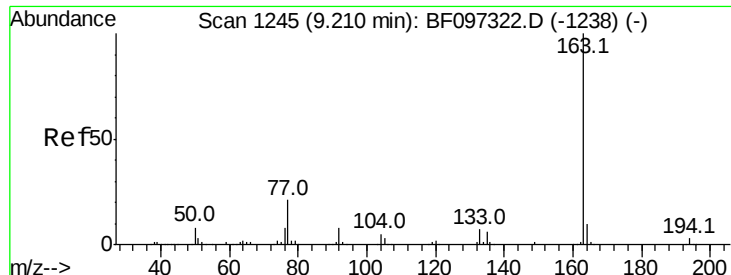


#44
 2-Fluorobiphenyl
 Concen: 63.624 ng
 RT: 8.75 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF097567.D
 Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	24.1	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





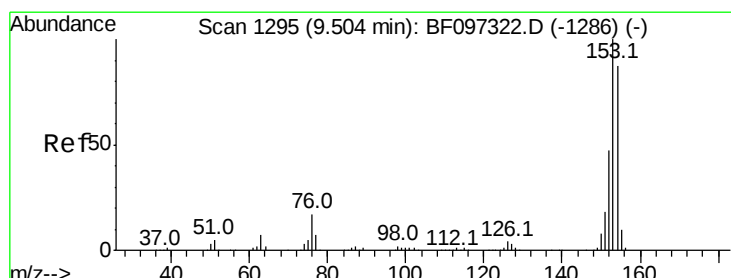
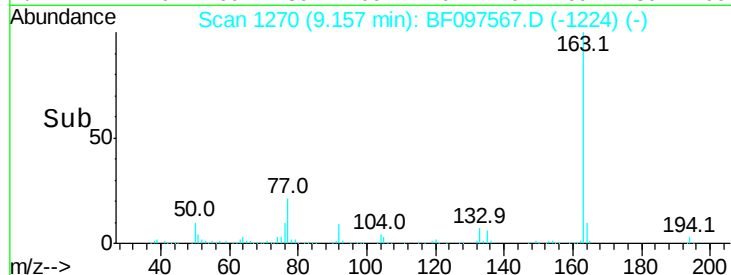
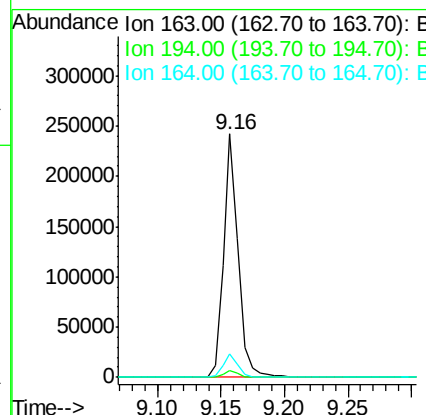
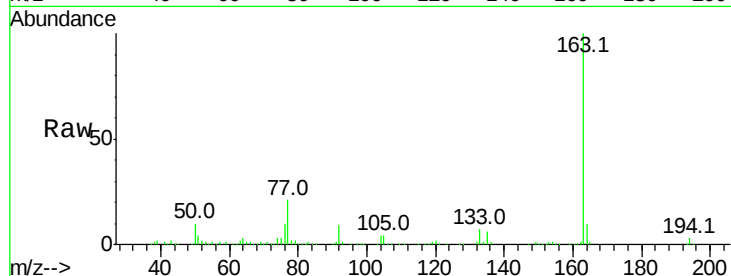
#49
Dimethylphthalate
Concen: 13.157 ng
RT: 9.16 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Instrument :
BNA_F
ClientSampleId :
TR-04-080917

Tot Ion	Ratio	Resp	Lower	Upper
163	100	196784		
194	2.8		2.6	4.0
164	9.5		8.4	12.6

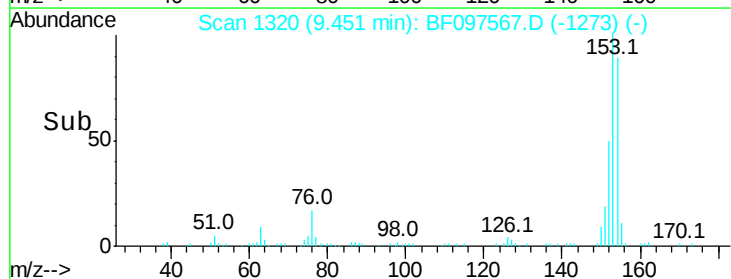
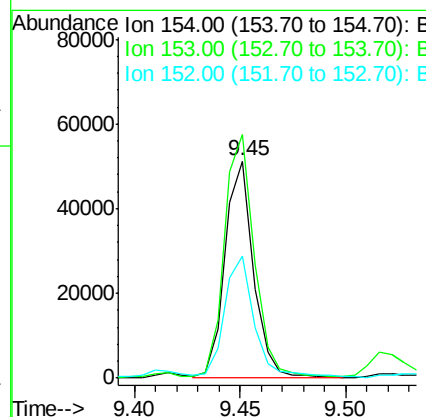
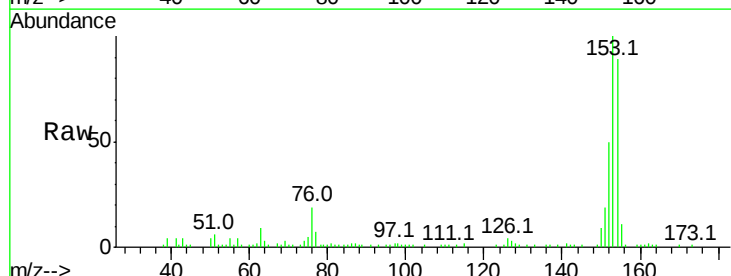
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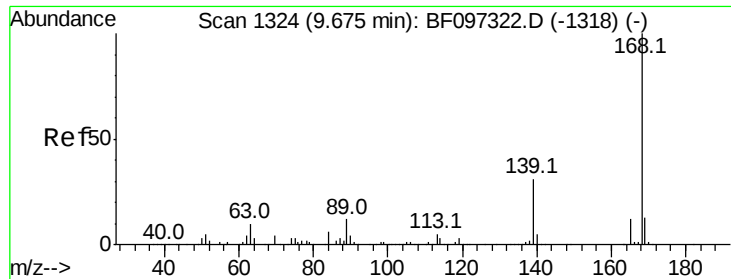
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#51
Acenaphthene
Concen: 4.306 ng
RT: 9.45 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48191		
153	112.2		90.5	135.7
152	56.2		43.6	65.4





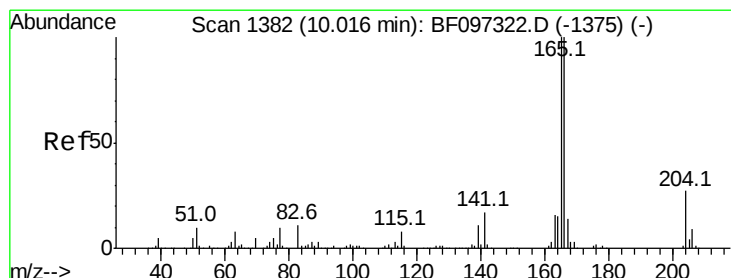
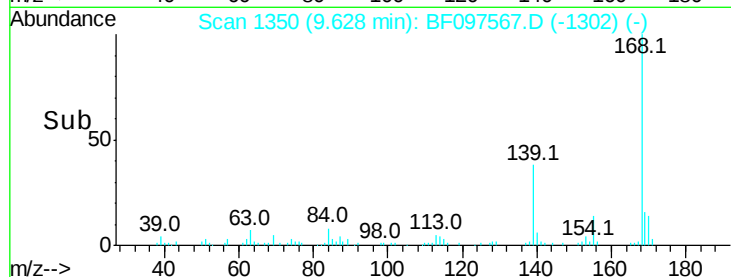
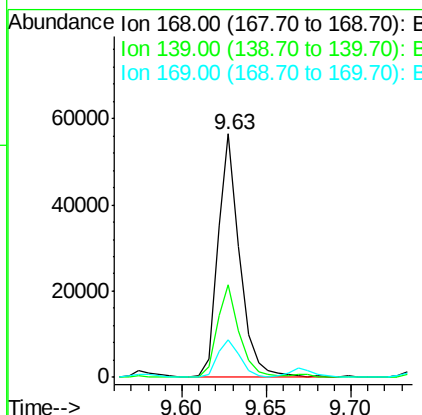
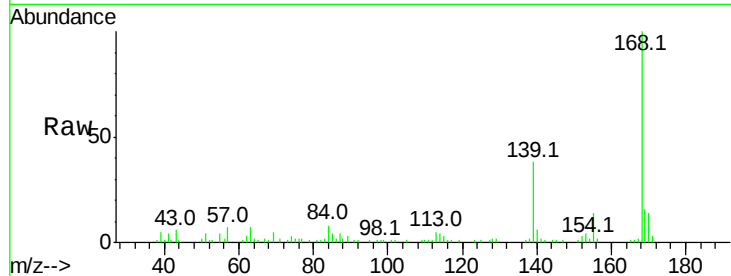
#54
Dibenzenofuran
Concen: 3.412 ng
RT: 9.63 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Instrument :
BNA_F
ClientSampleId :
TR-04-080917

Tot Ion:168	Resp:	50865
Ion Ratio	Lower	Upper
168 100		
139 38.2	30.6	45.8
169 15.6	10.8	16.2

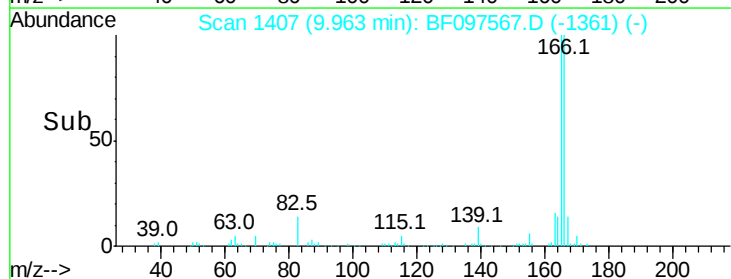
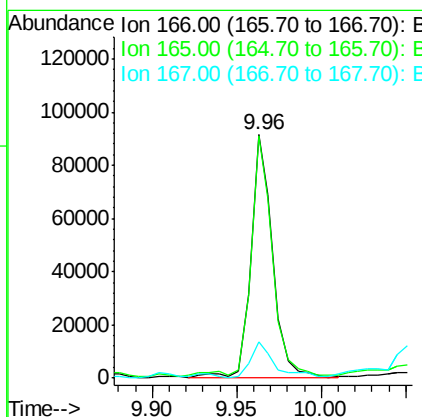
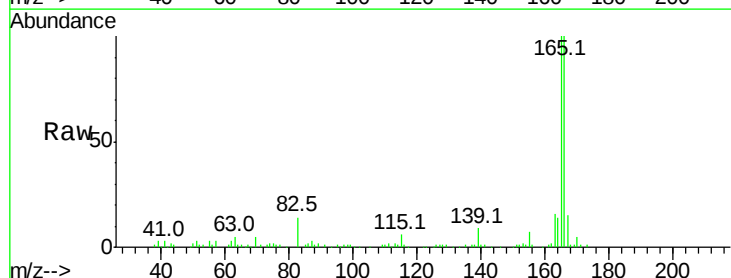
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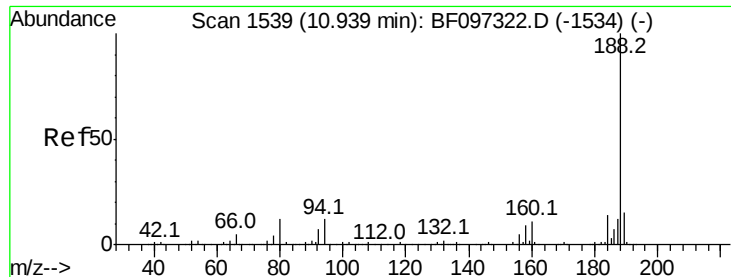
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#57
Fluorene
Concen: 7.198 ng
RT: 9.96 min Scan# 1407
Delta R.T. -0.03 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Tgt Ion:166	Resp:	80656
Ion Ratio	Lower	Upper
166 100		
165 99.7	78.8	118.2
167 14.8	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.89 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BF097567.D

Acq: 10 Aug 2017 19:31

Instrument :

BNA_F

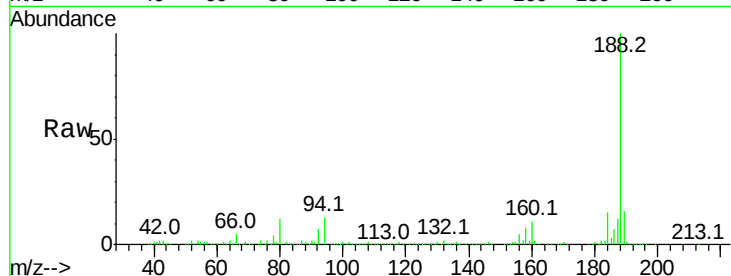
ClientSampleId :

TR-04-080917

Tot Ion:	188	Resp:	296602
Ion Ratio	Lower	Upper	
188	100		
94	13.1	9.4	14.2
80	12.0	10.2	15.2

Manual Integrations
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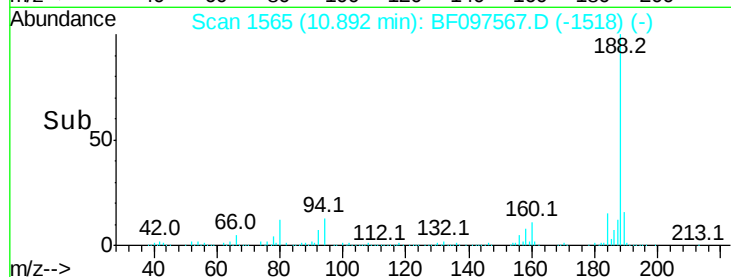


Abundance Ion 188.00 (187.70 to 188.70): E

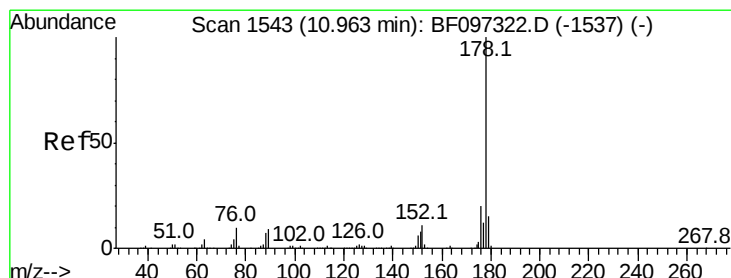
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#70

Phenanthrene

Concen: 46.298 ng

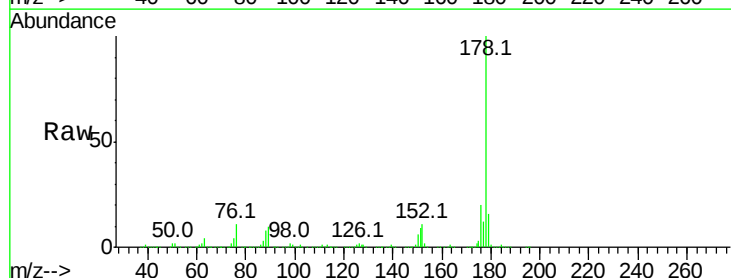
RT: 10.92 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BF097567.D

Acq: 10 Aug 2017 19:31

Tgt Ion:	178	Resp:	735768
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.2	24.4
179	15.7	12.6	19.0

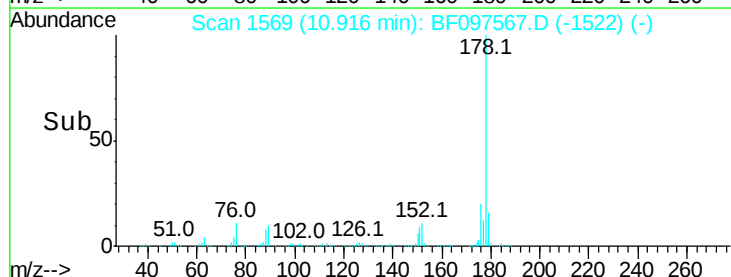


Abundance Ion 178.00 (177.70 to 178.70): E

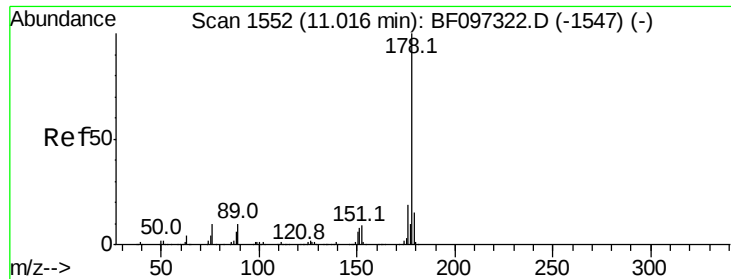
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



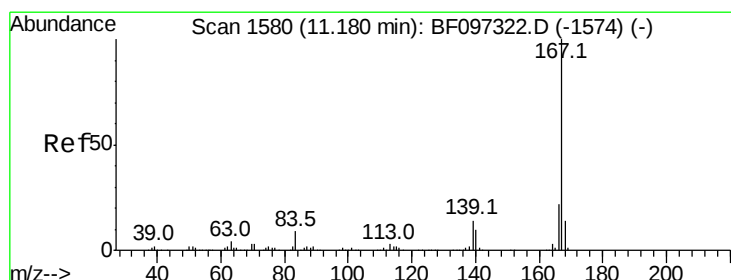
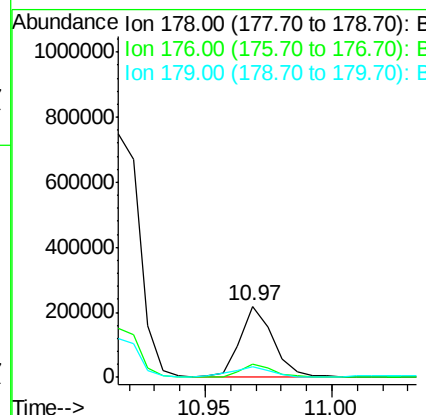
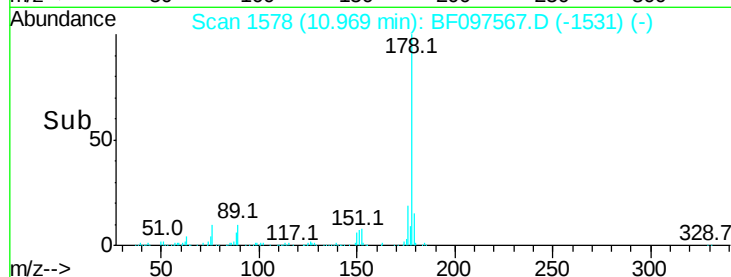
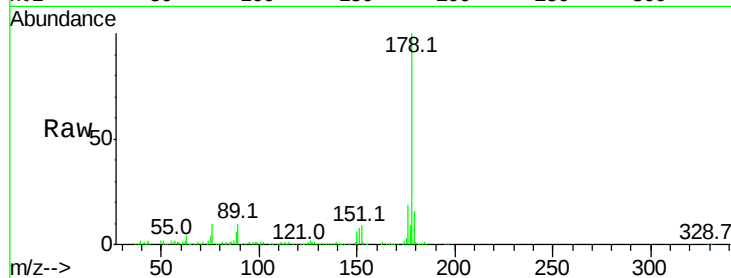
#71
 Anthracene
 Concen: 12.050 ng
 RT: 10.97 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF097567.D
 Acq: 10 Aug 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080917

Tot Ion	Ratio	Resp	Lower	Upper
178	100	196135		
176	18.7	15.8	23.8	
179	15.6	12.7	19.1	

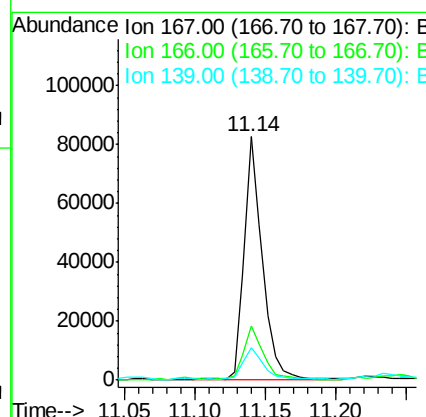
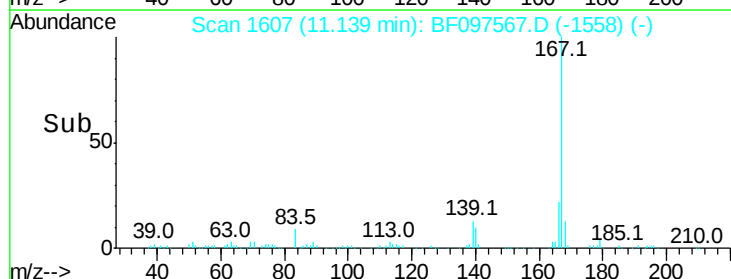
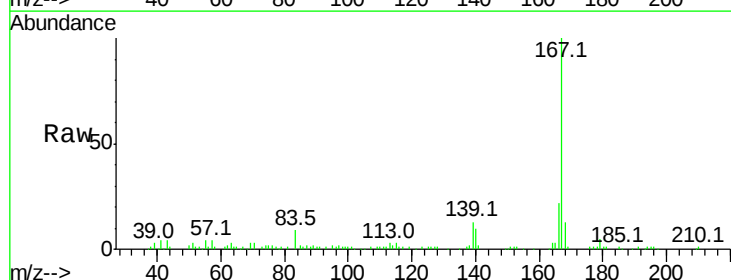
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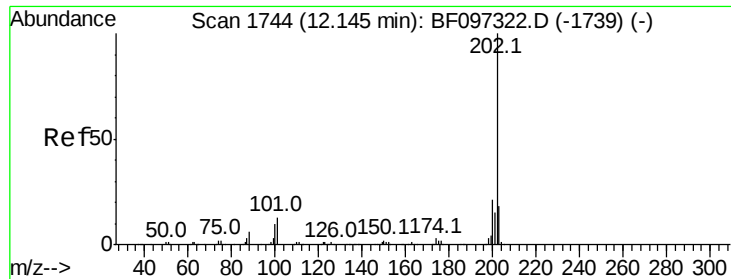
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#72
 Carbazole
 Concen: 4.718 ng
 RT: 11.14 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF097567.D
 Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	75518		
166	22.1	18.1	27.1	
139	13.3	11.7	17.5	





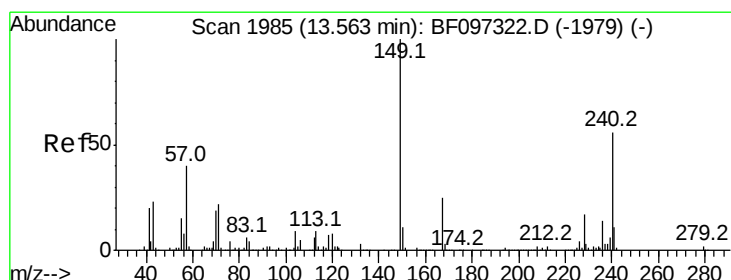
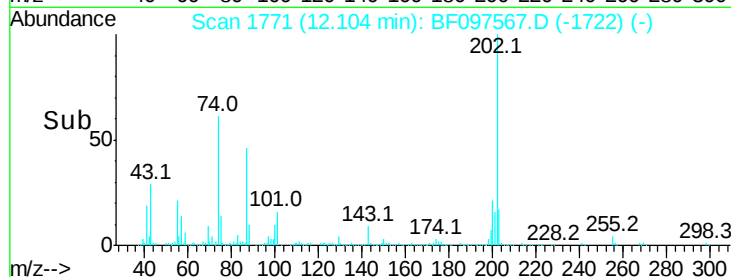
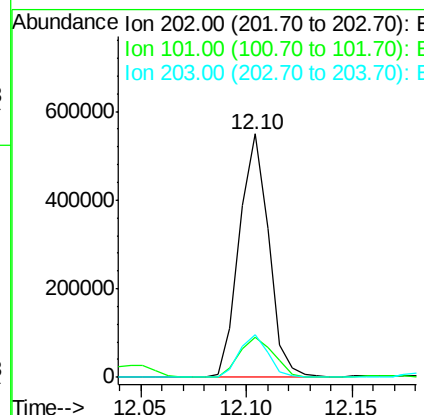
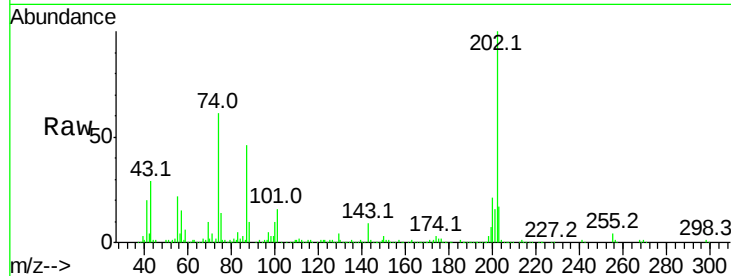
#74
Fluoranthene
Concen: 33.892 ng
RT: 12.10 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Instrument :
BNA_F
ClientSampleId :
TR-04-080917

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.5	0.0	33.2
203	17.4	0.0	38.1

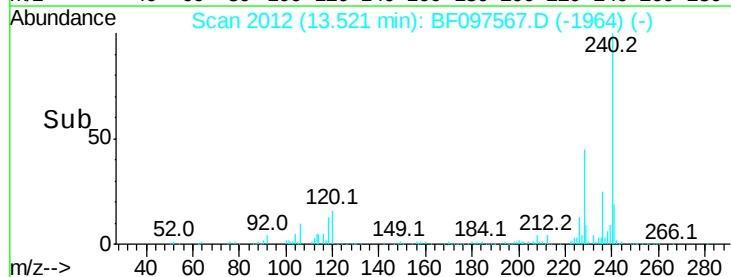
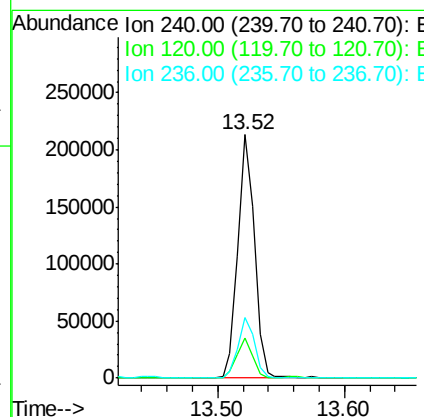
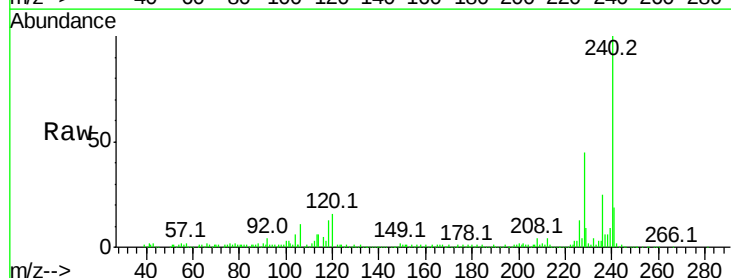
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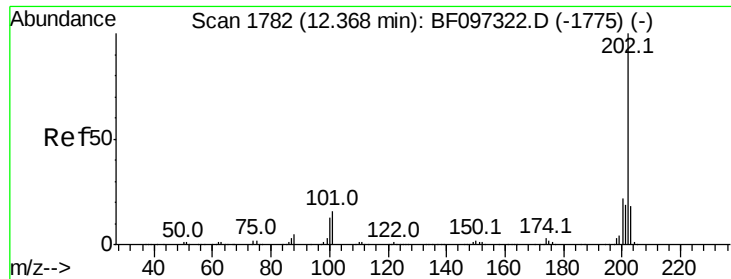
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.52 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.2	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 34.239 ng

RT: 12.33 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097567.D

Acq: 10 Aug 2017 19:31

Instrument :

BNA_F

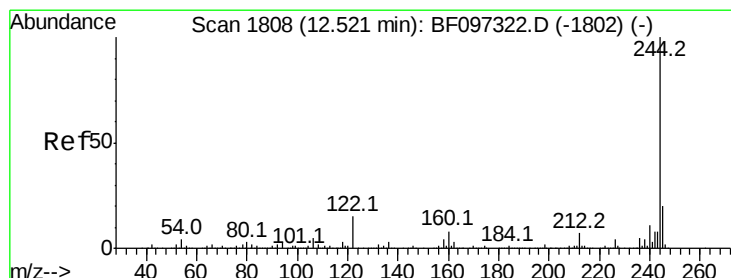
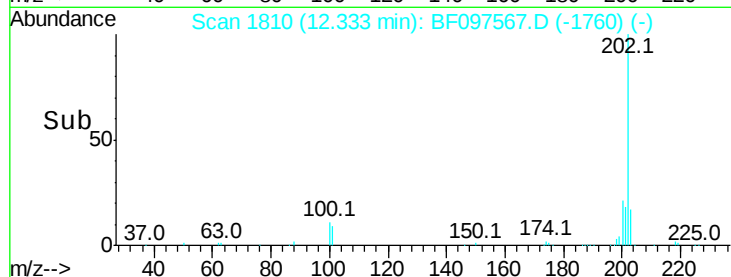
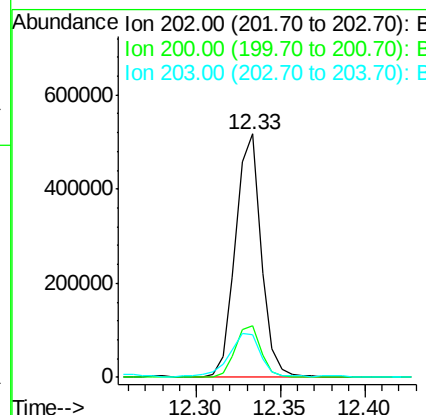
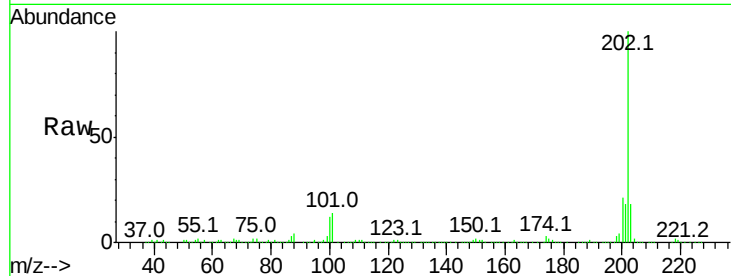
ClientSampleId :

TR-04-080917

Tot Ion:	202	Resp:	543125
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 43.778 ng

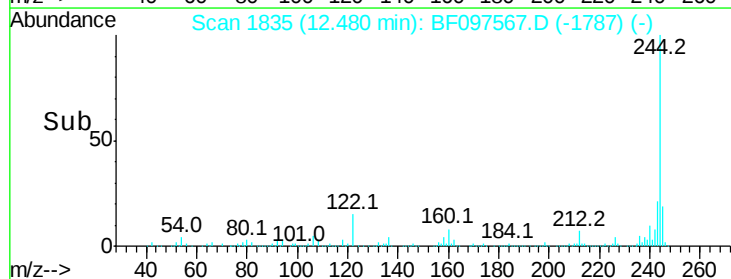
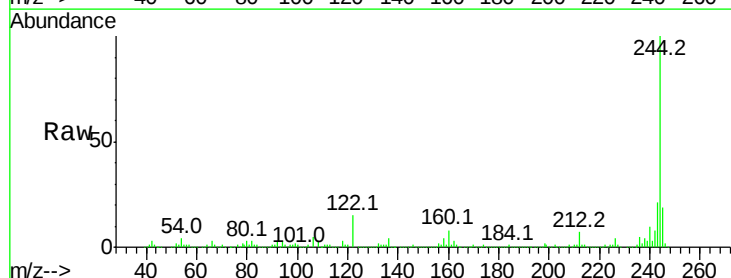
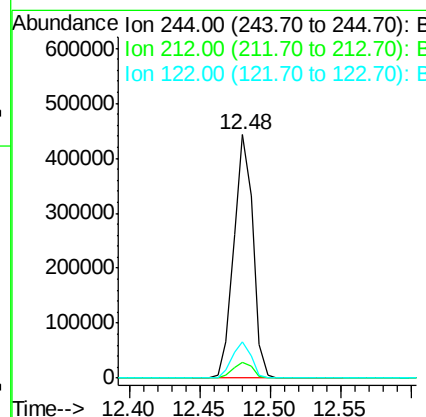
RT: 12.48 min Scan# 1835

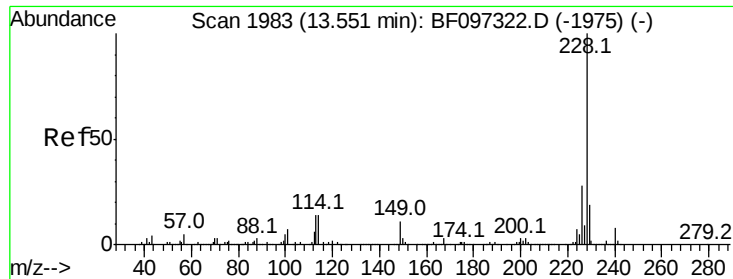
Delta R.T. -0.02 min

Lab File: BF097567.D

Acq: 10 Aug 2017 19:31

Tgt Ion:	244	Resp:	416054
Ion Ratio		Lower	Upper
244	100		
212	6.7	6.0	9.0
122	15.0	10.3	15.5





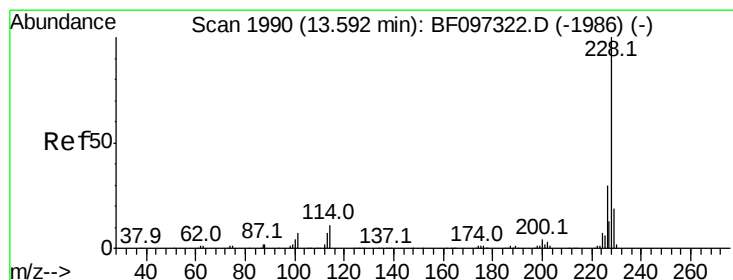
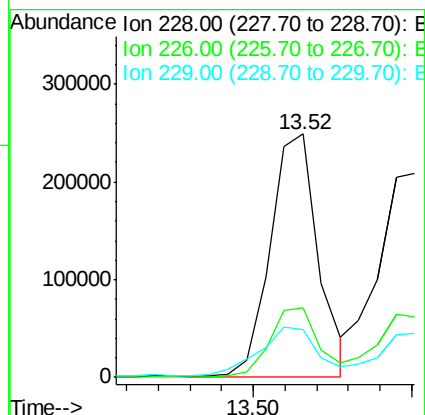
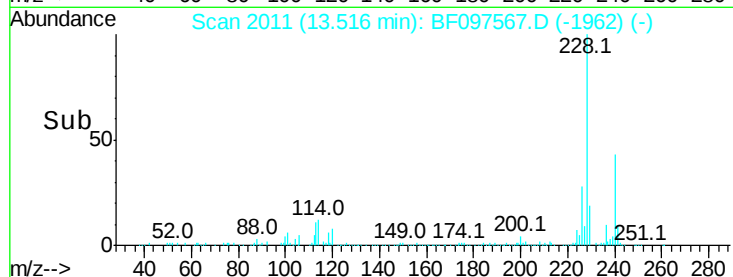
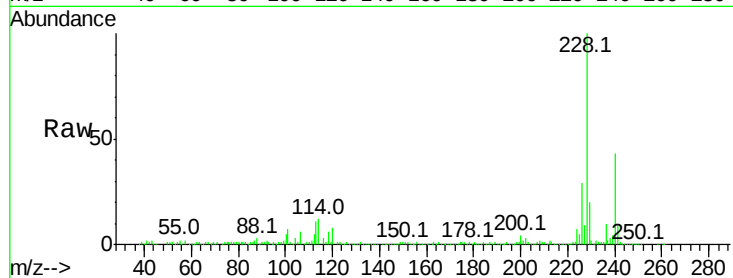
#80
Benzo(a)anthracene
Concen: 20.791 ng
RT: 13.52 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Instrument :
BNA_F
ClientSampled :
TR-04-080917

Tot Ion	Ratio	Resp	Lower	Upper
228	100	260660		
226	28.6		22.6	33.8
229	19.9		16.3	24.5

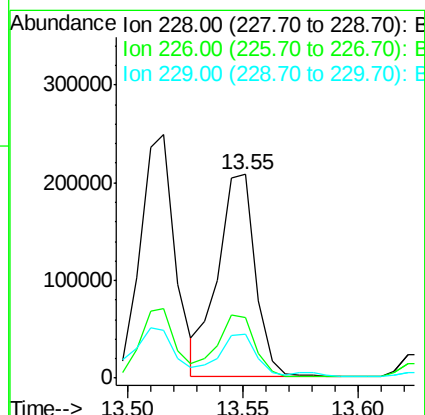
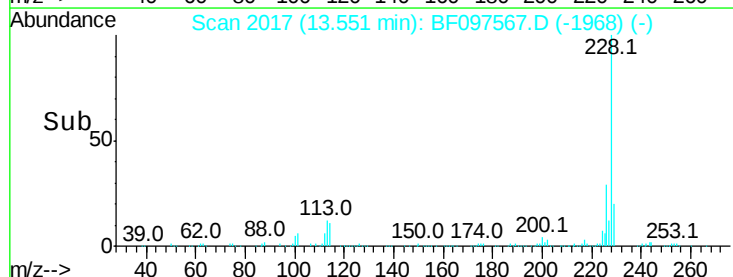
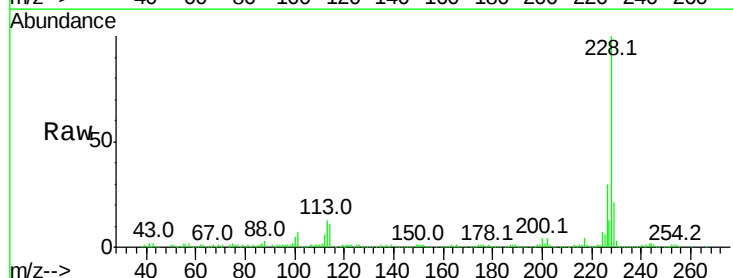
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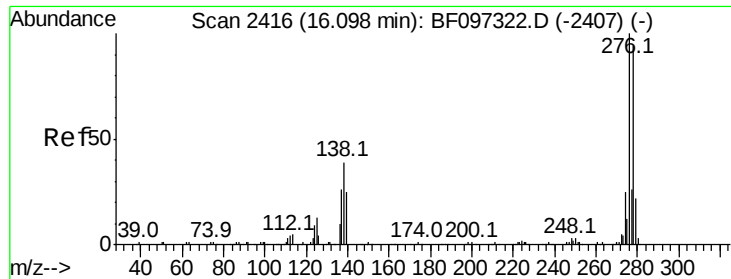
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#82
Chrysene
Concen: 19.162 ng
RT: 13.55 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	234589		
226	29.8		24.9	37.3
229	21.3		15.8	23.6





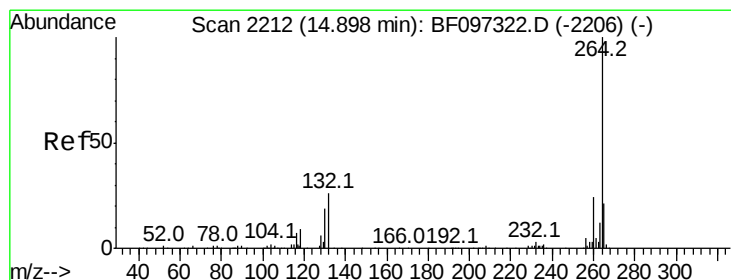
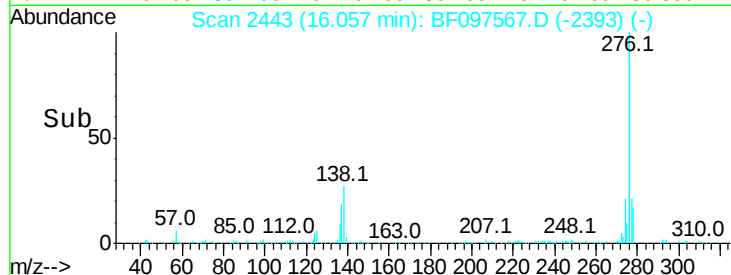
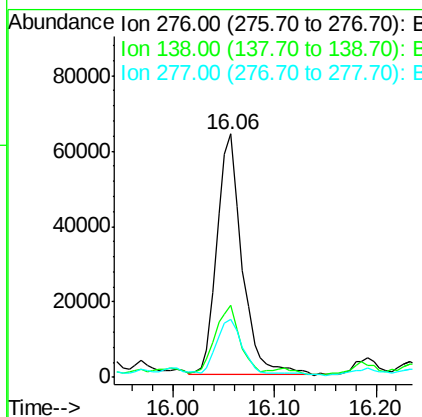
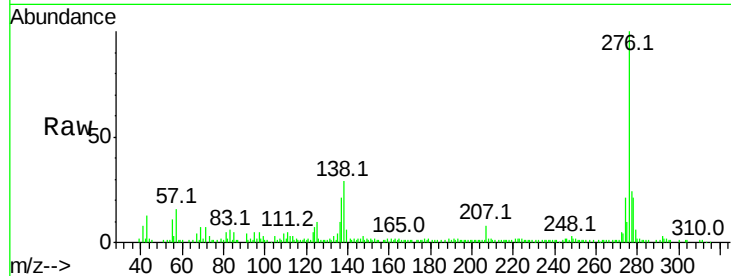
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.522 ng
 RT: 16.06 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BF097567.D
 Acq: 10 Aug 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080917

Tot Ion	Ratio	Resp	Lower	Upper
276	100	110455		
138	28.3		27.8	41.6
277	22.4		20.2	30.4

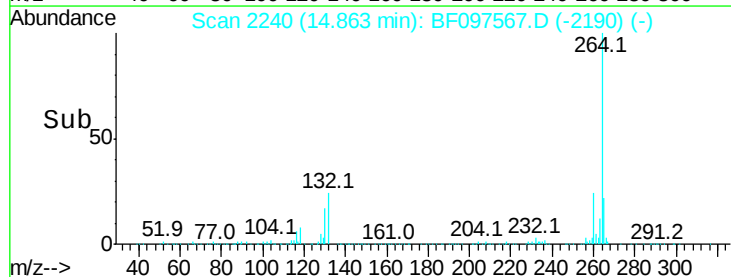
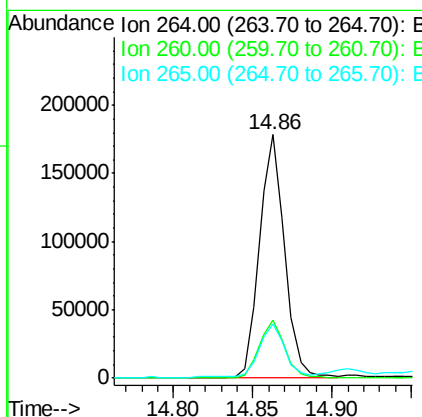
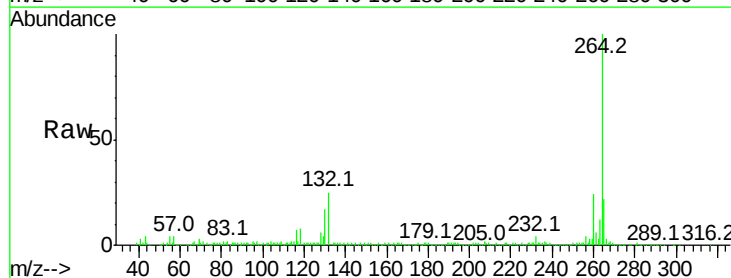
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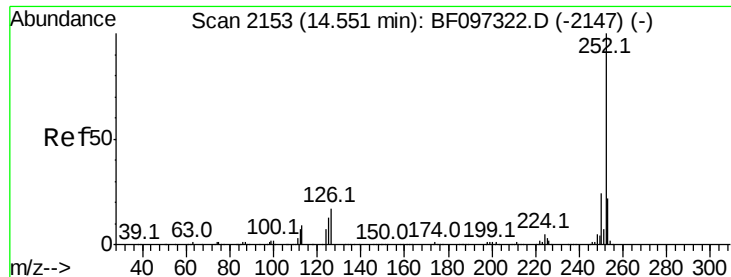
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.86 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF097567.D
 Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	197734		
260	23.8		19.5	29.3
265	22.1		17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 25.956 ng m

RT: 14.52 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BF097567.D

Acq: 10 Aug 2017 19:31

Instrument :

BNA_F

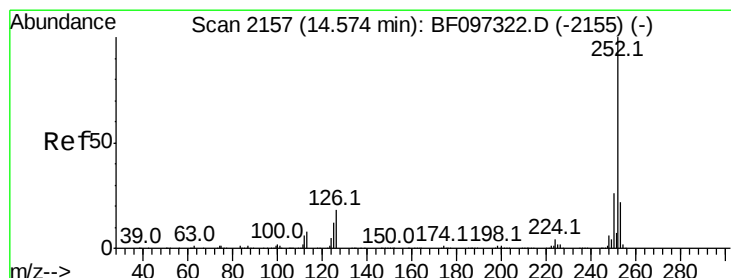
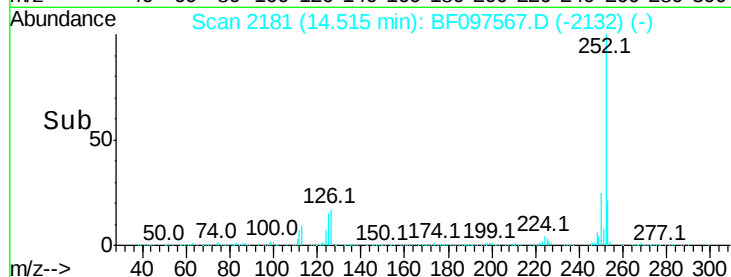
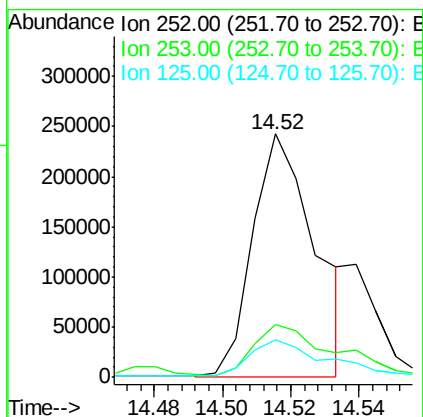
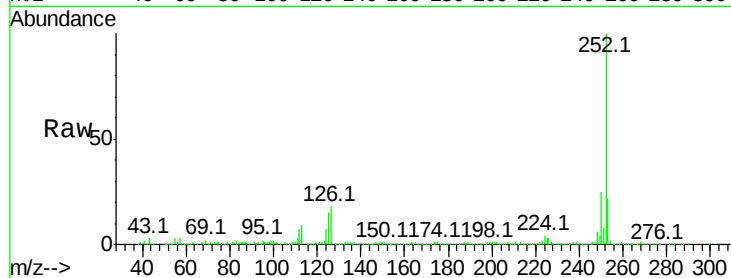
ClientSampleId :

TR-04-080917

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	15.4	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 6.718 ng m

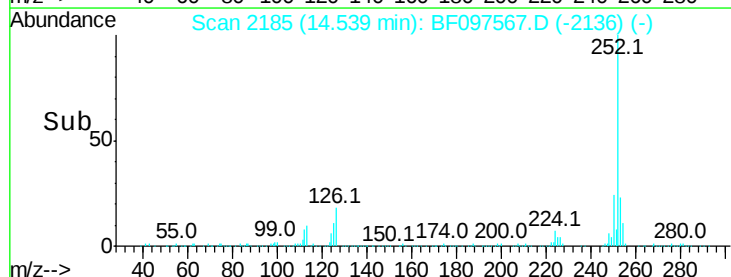
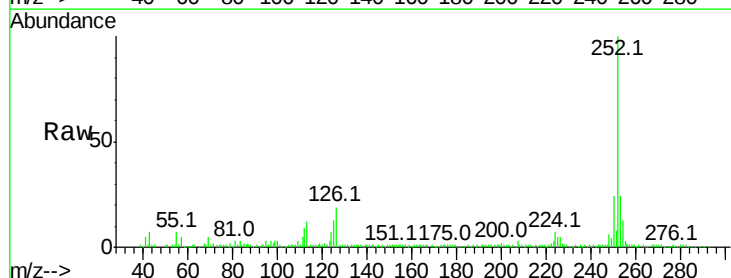
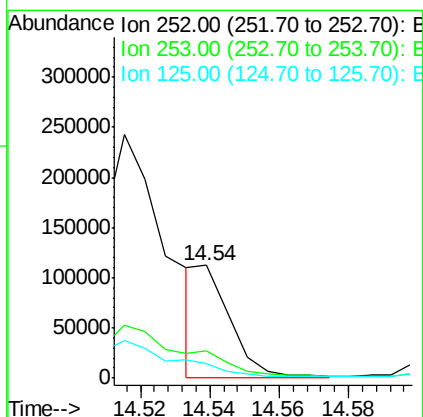
RT: 14.54 min Scan# 2185

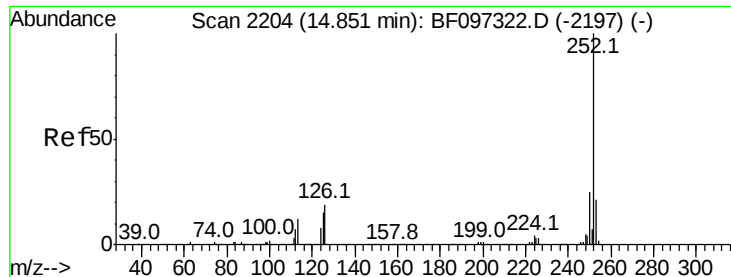
Delta R.T. -0.01 min

Lab File: BF097567.D

Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	12.8	13.1	19.7





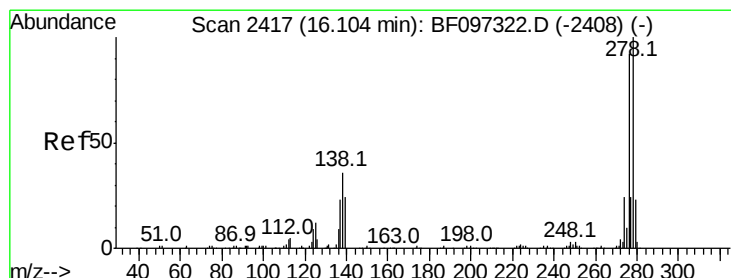
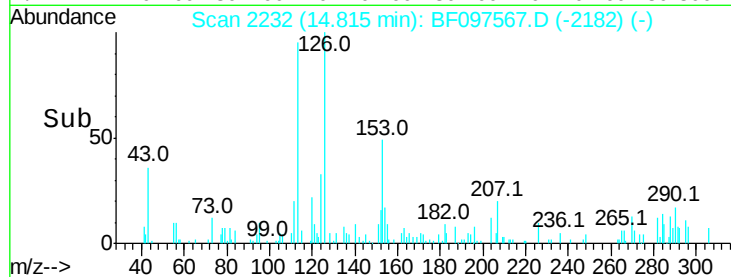
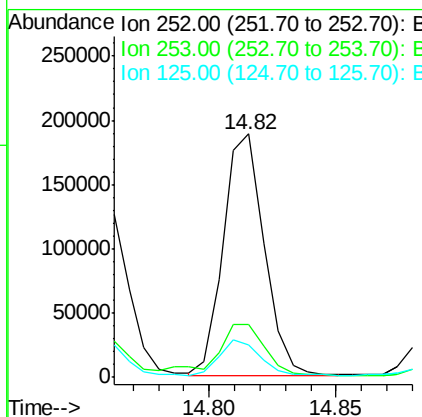
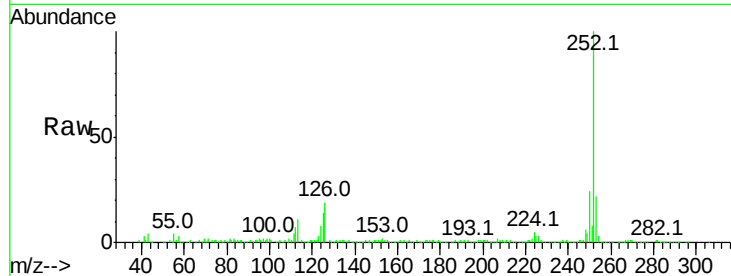
#89
Benzo(a)pyrene
Concen: 19.428 ng
RT: 14.82 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Instrument :
BNA_F
ClientSampleId :
TR-04-080917

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	13.5	11.0	16.4

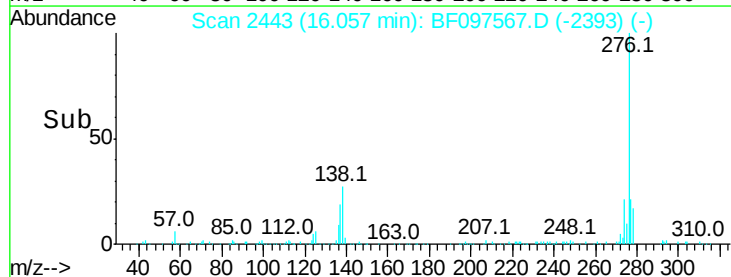
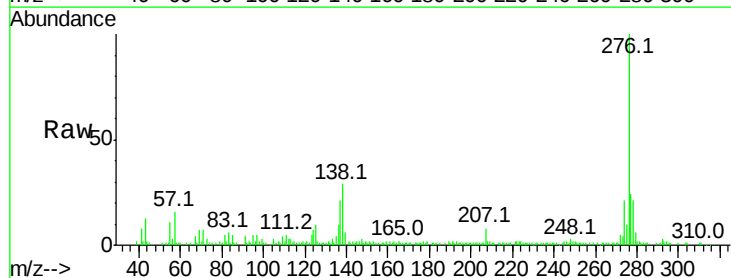
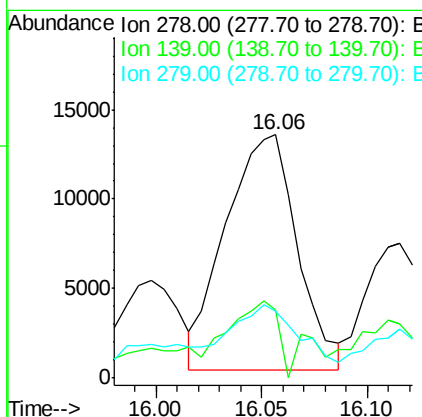
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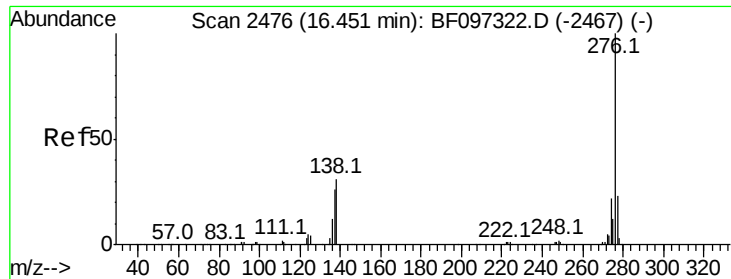
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#90
Dibenzo(a,h)anthracene
Concen: 3.487 ng
RT: 16.06 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BF097567.D
Acq: 10 Aug 2017 19:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.1	16.6	24.8#
279	27.6	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 11.256 ng
 RT: 16.40 min Scan# 2502
 Delta R.T. -0.01 min
 Lab File: BF097567.D
 Acq: 10 Aug 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080917

Tot Ion:	276	Resp:	105300
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.6	28.0
138	35.7	25.4	38.0

Manual Integrations
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