

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097533.D
 Acq On : 9 Aug 2017 23:24
 Operator : SJ/JU
 Sample : I4658-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-ESW

Manual Integrations
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Quant Time: Aug 10 13:54:06 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	6.40	152	112576	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	449557	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	199447	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	327609	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	198173	20.00	ng	-0.02
86) Perylene-d12	14.86	264	188904	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	548268	73.42	ng	-0.02
7) Phenol-d6	6.07	99	677687	79.49	ng	-0.02
23) Nitrobenzene-d5	6.97	82	389705	50.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	118846	75.42	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	553208	47.07	ng	-0.02
78) Terphenyl-d14	12.48	244	351845	36.20	ng	-0.02
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	6.15	93	28657	3.583	ng	90
49) Dimethylphthalate	9.16	163	243769	16.095	ng	98
70) Phenanthrene	10.92	178	302273	17.220	ng	99
71) Anthracene	10.97	178	38036	2.116	ng	98
74) Fluoranthene	12.10	202	224380	13.048	ng	99
77) Pyrene	12.33	202	255664	15.759	ng	100
80) Benzo(a)anthracene	13.51	228	75895	5.919	ng	99
82) Chrysene	13.55	228	77270	6.171	ng	98
85) Indeno(1,2,3-cd)pyrene	16.06	276	29644	2.761	ng	97
87) Benzo(b)fluoranthene	14.52	252	61474m	5.414	ng	
88) Benzo(k)fluoranthene	14.54	252	22174m	2.049	ng	
89) Benzo(a)pyrene	14.82	252	51262	4.932	ng	# 94
91) Benzo(a,h,i)perylene	16.41	276	29231	3.271	ng	93

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

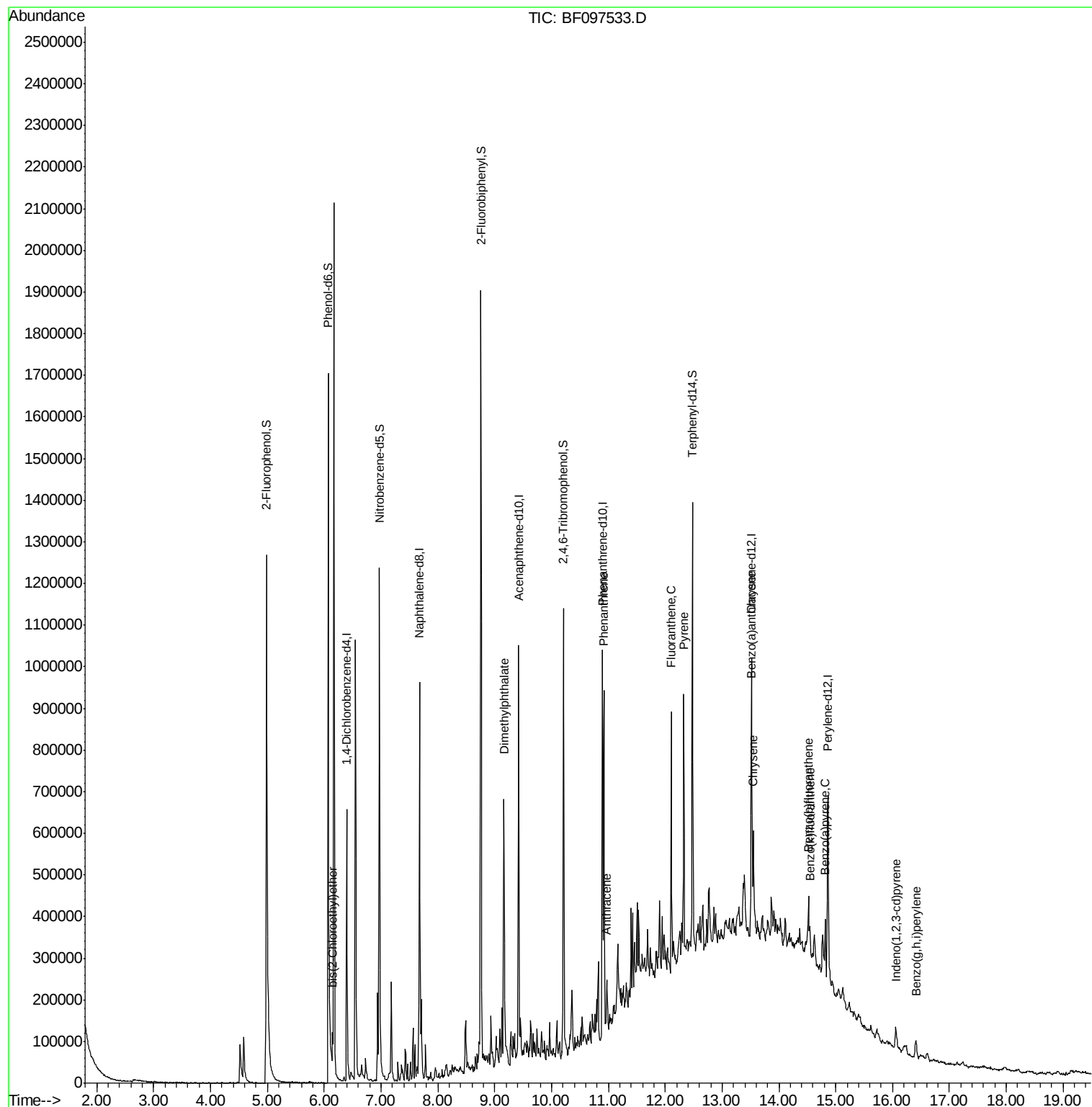
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
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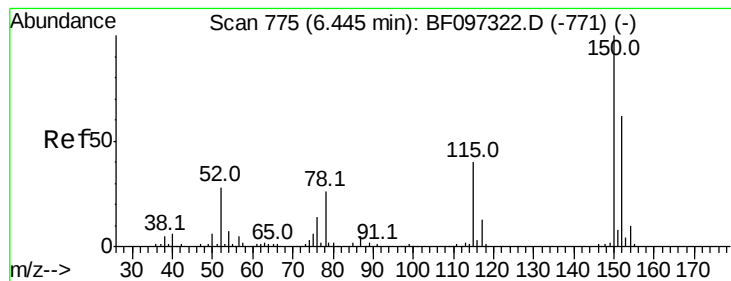
Instrument :
BNA_F
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
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#1

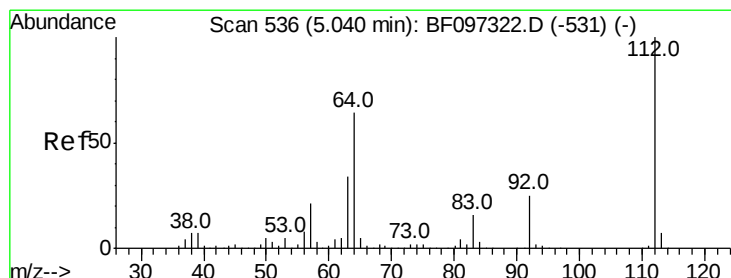
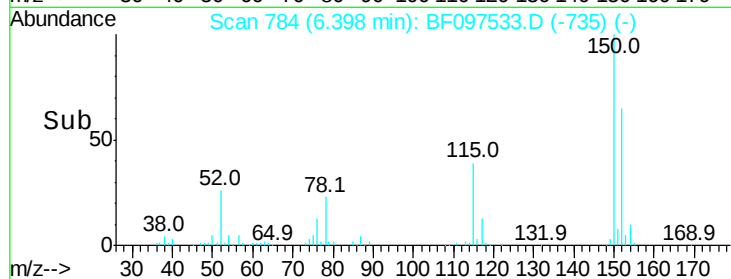
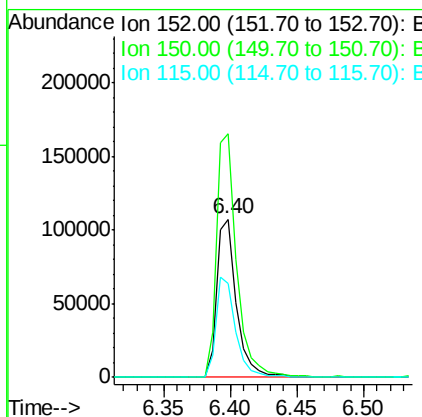
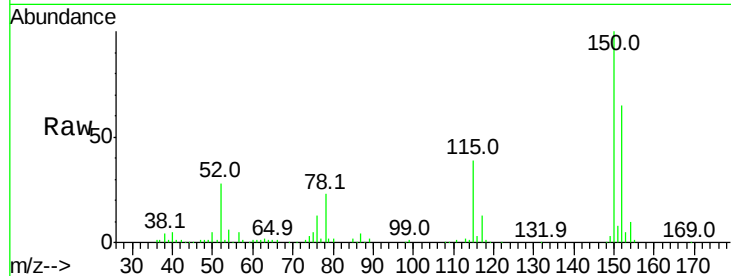
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.2	189.2
115	59.7	52.2	78.2

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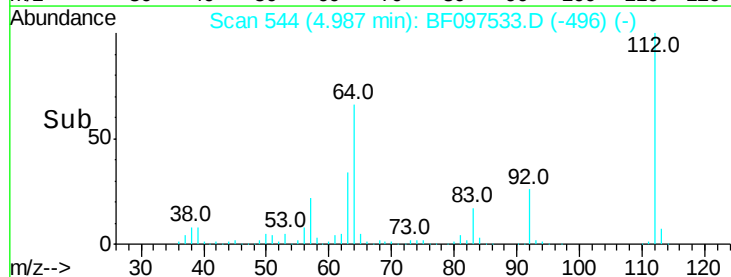
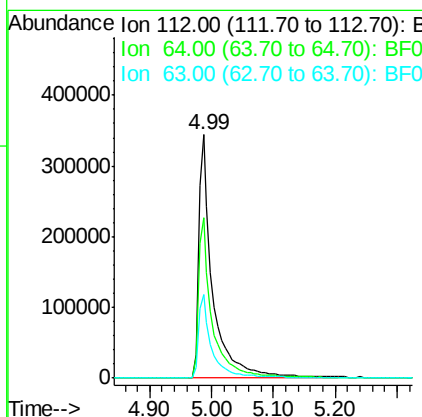
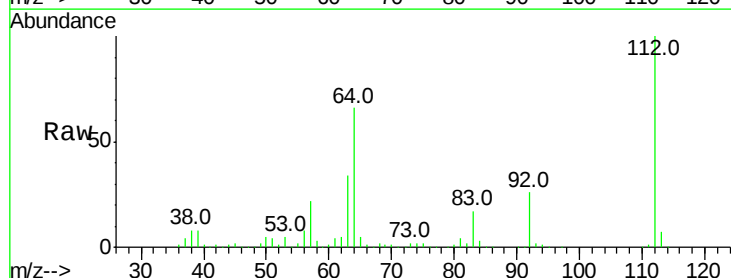
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#5

2-Fluorophenol
Concen: 73.418 ng
RT: 4.99 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	34.1	23.4	35.0





#7

Phenol-d6

Concen: 79.491 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Instrument :

BNA_F

ClientSampled :

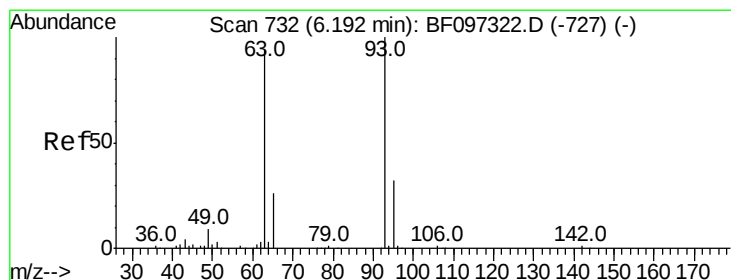
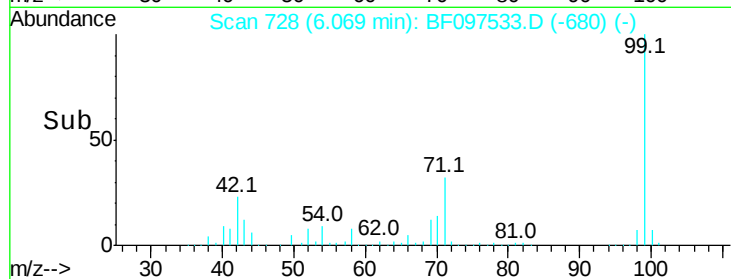
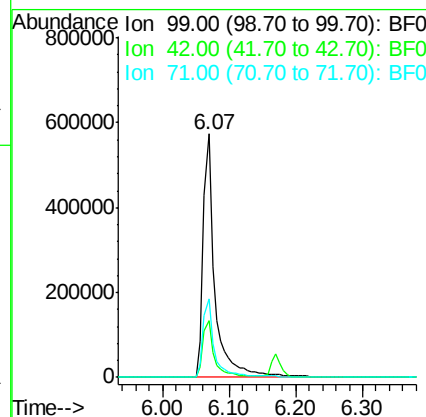
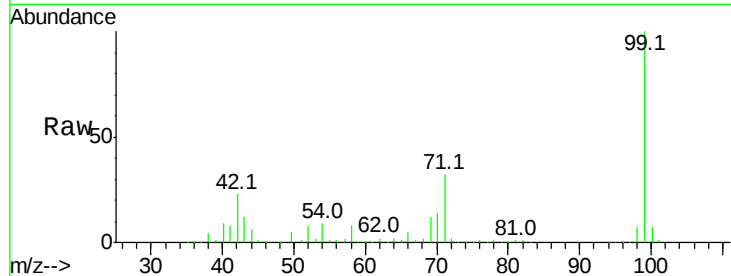
E2-L9-ESW

Tot Ion: 99 Resp: 677687

Ion	Ratio	Lower	Upper
99	100		
42	23.4	13.5	20.3#
71	32.4	24.5	36.7

Manual Integrations
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#11

bis(2-Chloroethyl)ether

Concen: 3.583 ng

RT: 6.15 min Scan# 741

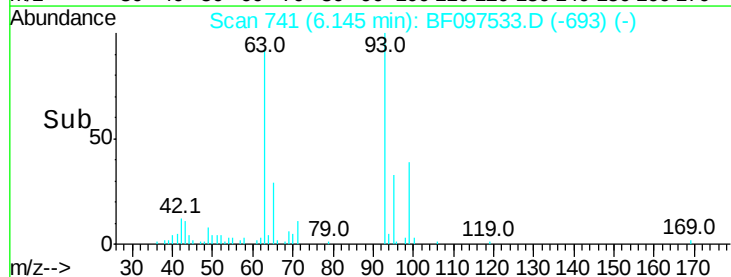
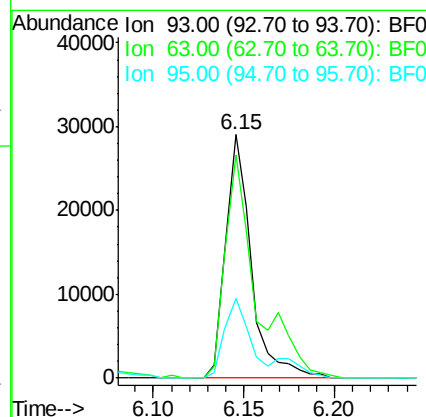
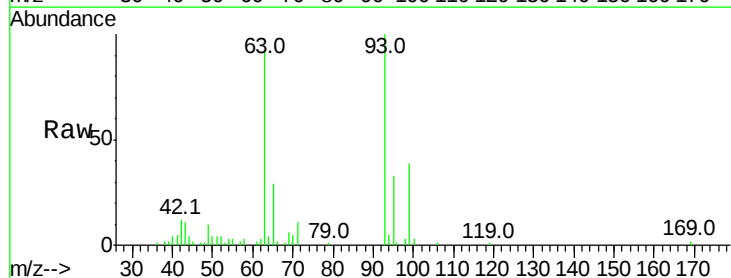
Delta R.T. -0.02 min

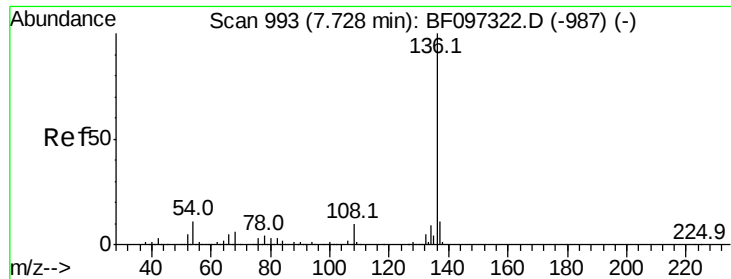
Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Tgt Ion: 93 Resp: 28657

Ion	Ratio	Lower	Upper
93	100		
63	91.5	59.2	99.2
95	32.6	12.8	52.8





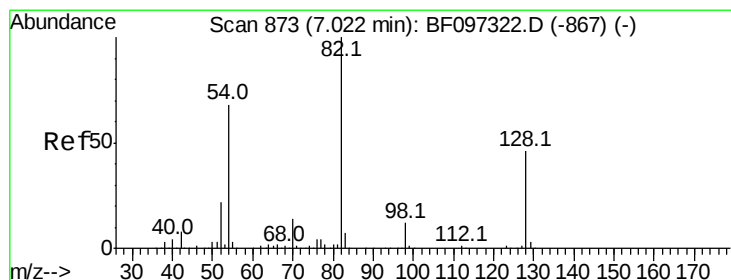
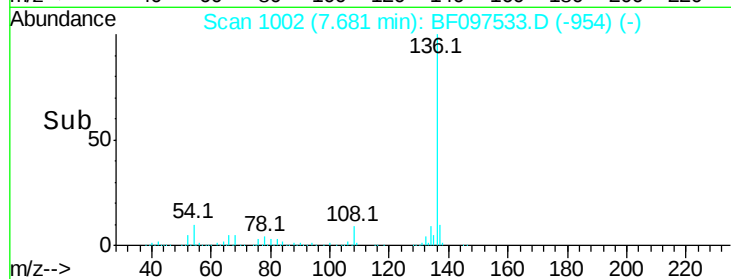
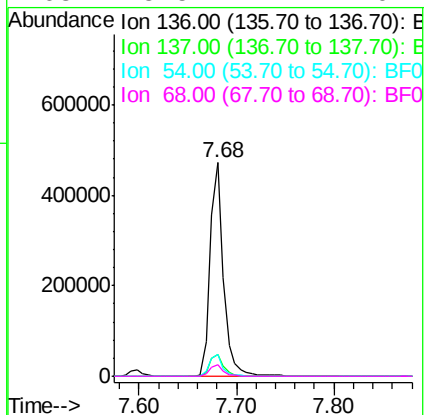
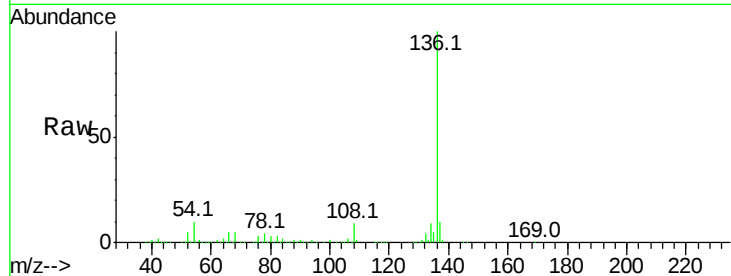
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.68 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.2	8.5	12.7	
54	10.1	4.9	7.3	
68	5.5	4.1	6.1	

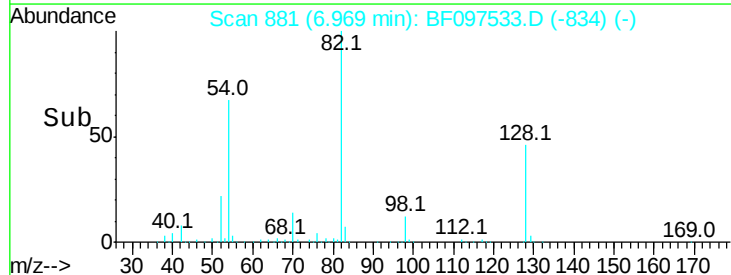
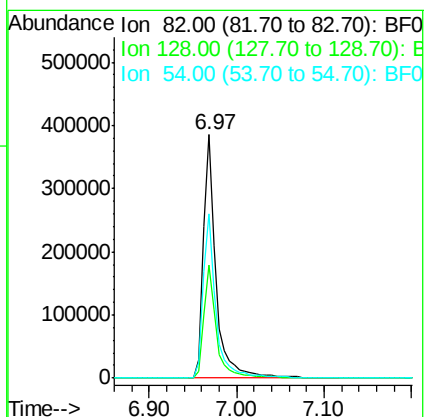
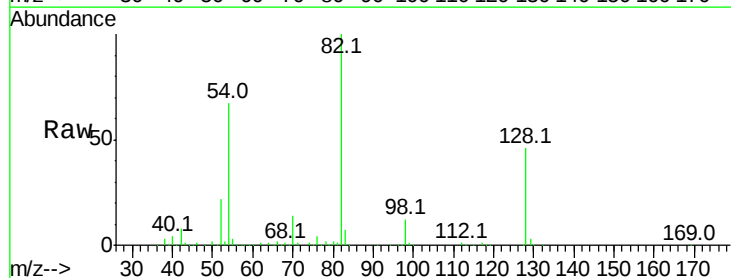
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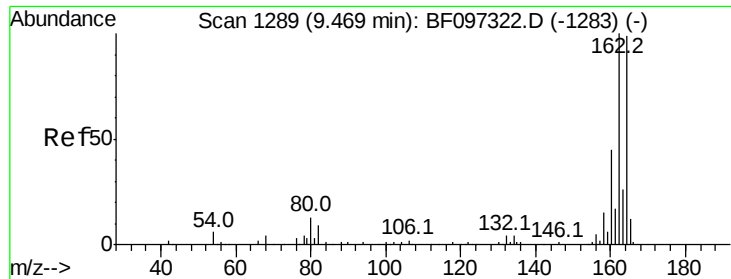
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#23
Nitrobenzene-d5
Concen: 50.854 ng
RT: 6.97 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.3	34.0	51.0	
54	67.3	42.2	63.2	





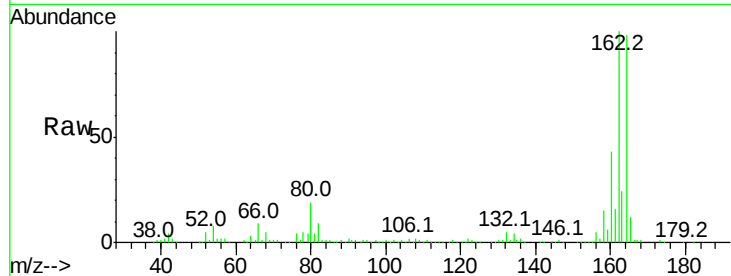
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF097533.D
 Acq: 9 Aug 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-ESW

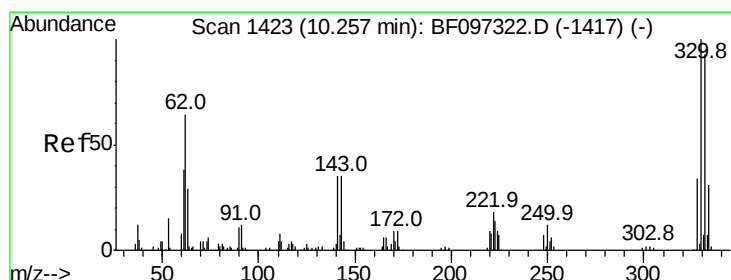
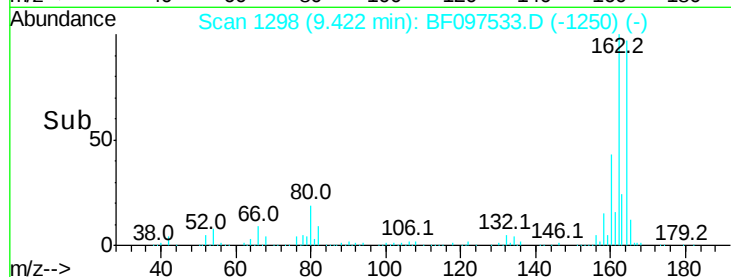
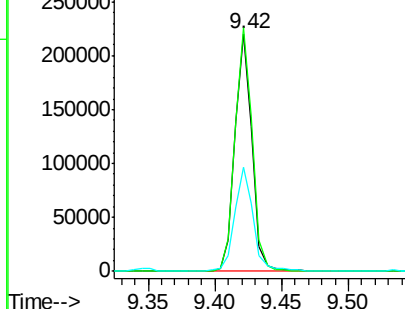
Tot Ion	Ratio	Resp	Lower	Upper
164	100	199447		
162	102.5	82.6	123.8	
160	43.7	36.2	54.2	

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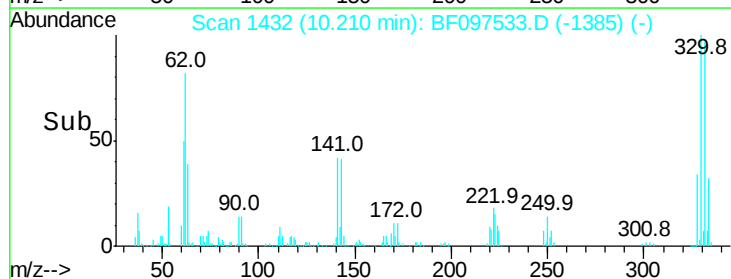
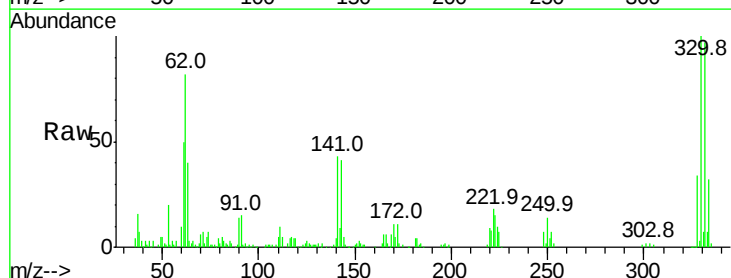
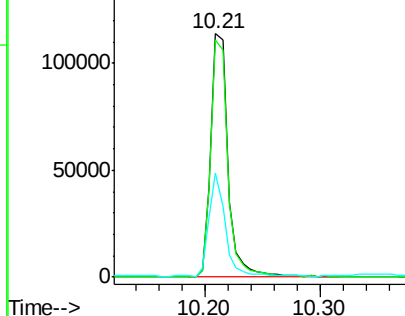
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

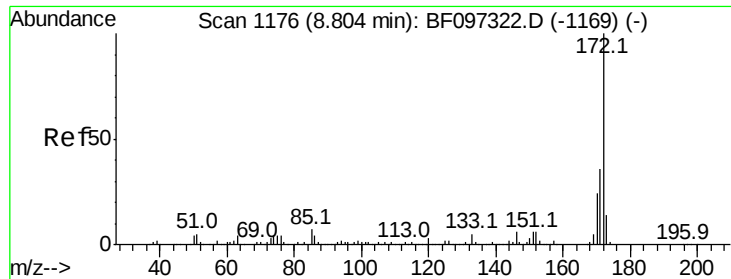


#41
 2,4,6-Tribromophenol
 Concen: 75.418 ng
 RT: 10.21 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF097533.D
 Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	118846		
332	96.5	76.6	115.0	
141	41.7	31.4	47.2	

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





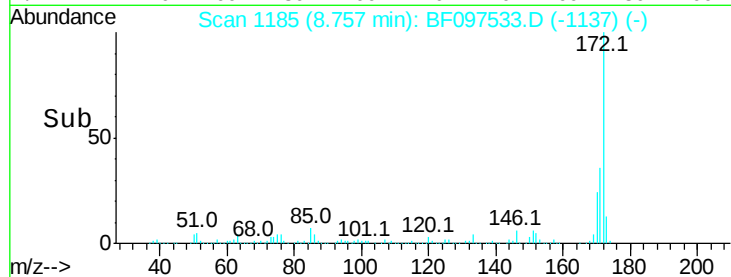
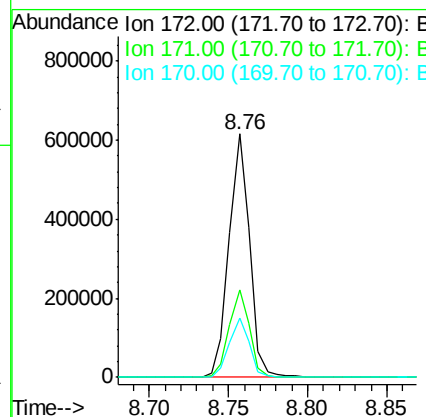
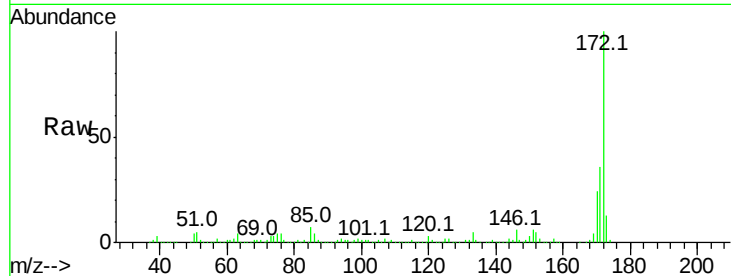
#44
2-Fluorobiphenyl
Concen: 47.073 ng
RT: 8.76 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampled :
E2-L9-ESW

Tot Ion	Ratio	Resp	Lower	Upper
172	100	553208		
171	36.1		29.6	44.4
170	24.1		19.8	29.8

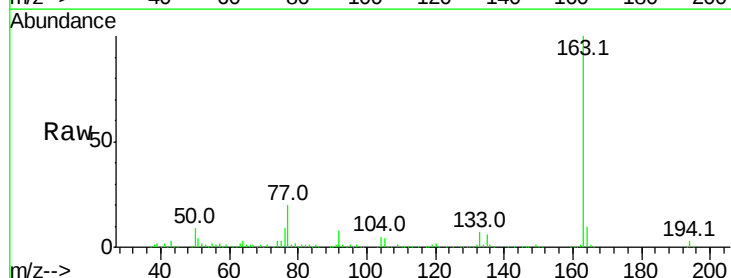
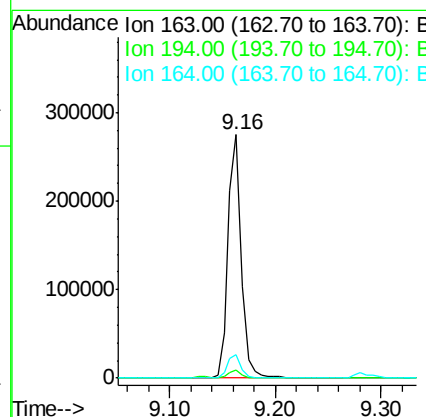
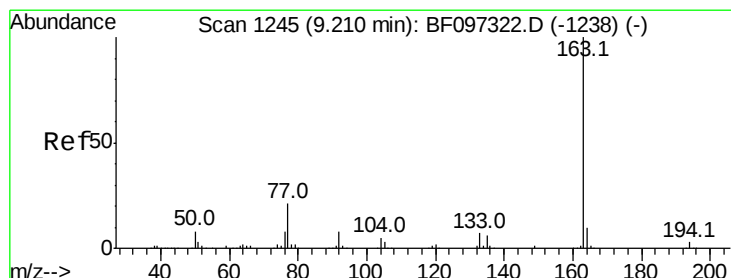
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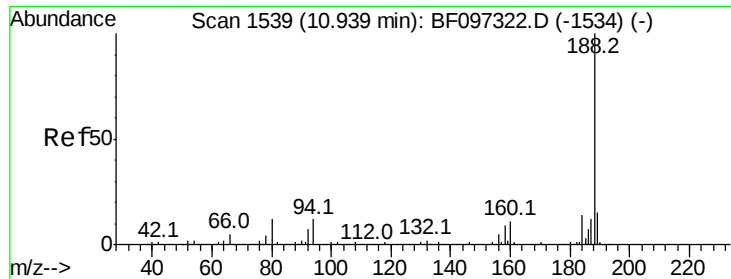
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#49
Dimethylphthalate
Concen: 16.095 ng
RT: 9.16 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	243769		
194	3.1		2.6	4.0
164	9.8		8.4	12.6





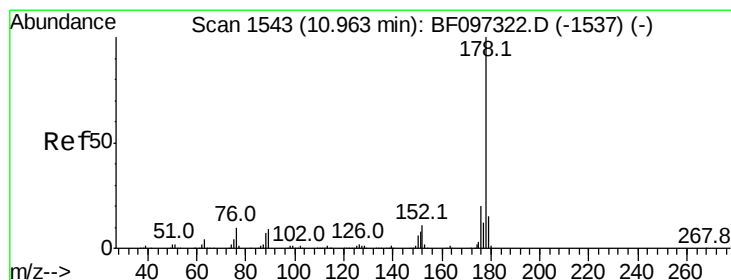
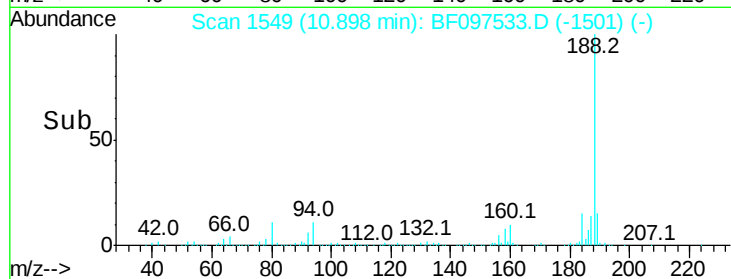
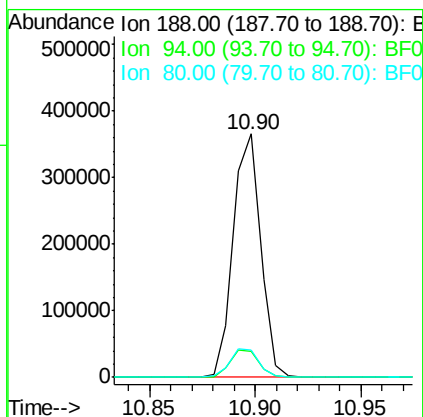
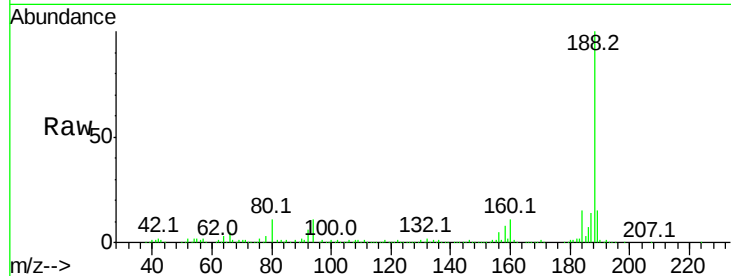
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.90 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampled :
E2-L9-ESW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	327609		
94	10.8		9.4	14.2
80	11.4		10.2	15.2

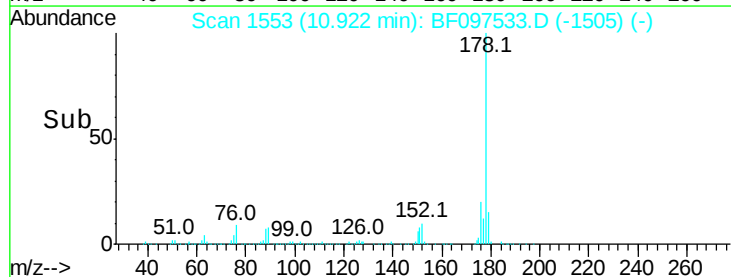
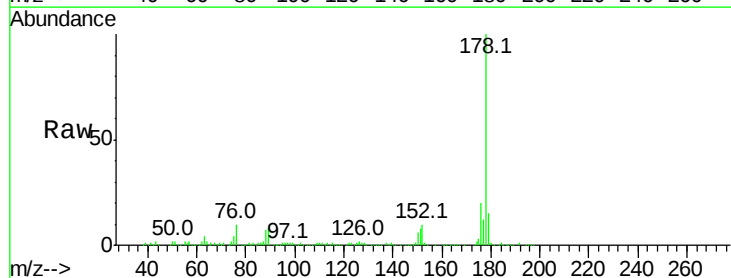
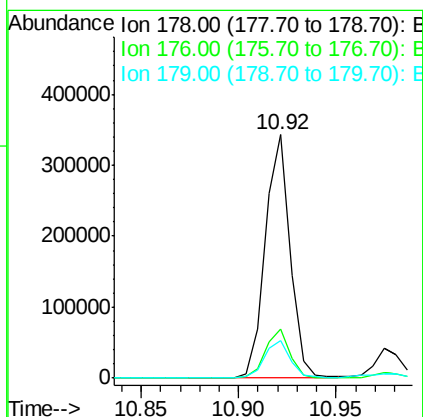
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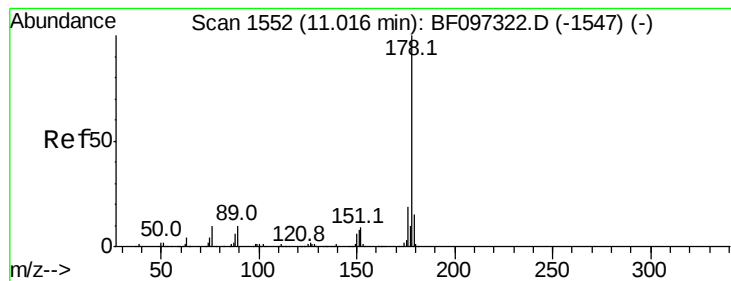
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#70
Phenanthrene
Concen: 17.220 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	302273		
176	19.9		16.2	24.4
179	15.3		12.6	19.0





#71

Anthracene

Concen: 2.116 ng

RT: 10.97 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Instrument :

BNA_F

ClientSampled :

E2-L9-ESW

Tot Ion:178 Resp: 38036

Ion Ratio Lower Upper

178 100

176 17.8 15.8 23.8

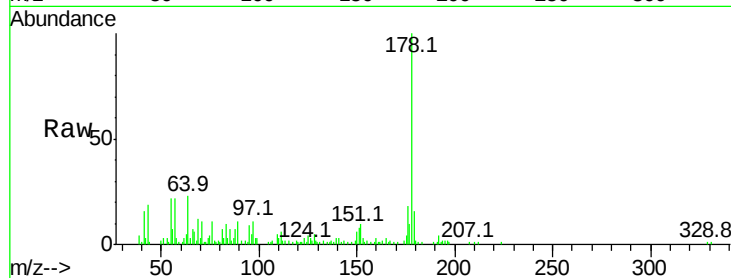
179 15.9 12.7 19.1

Manual Integrations

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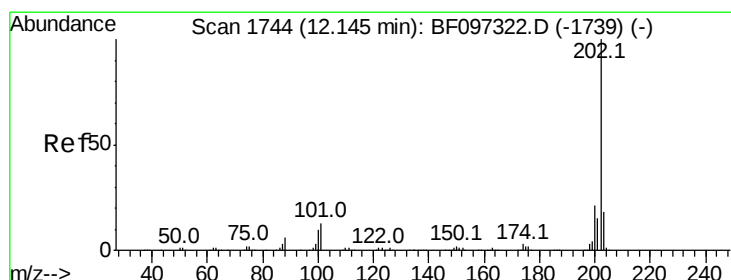
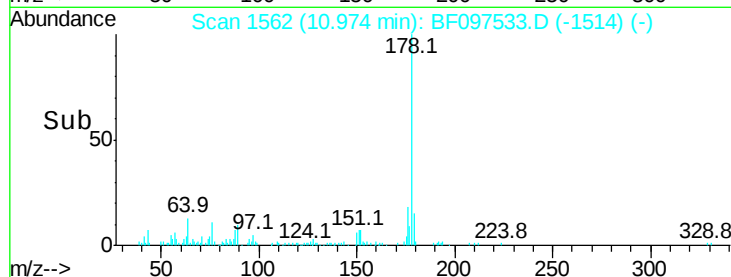
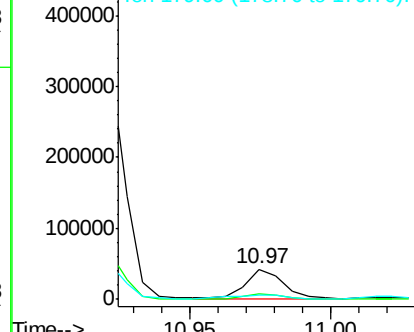
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 13.048 ng

RT: 12.10 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

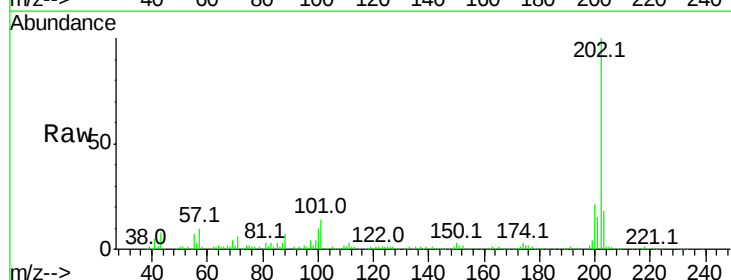
Tgt Ion:202 Resp: 224380

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

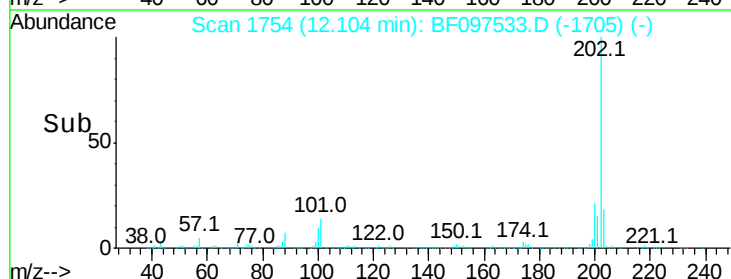
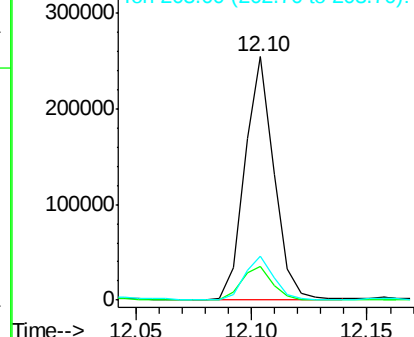
203 18.1 0.0 38.1

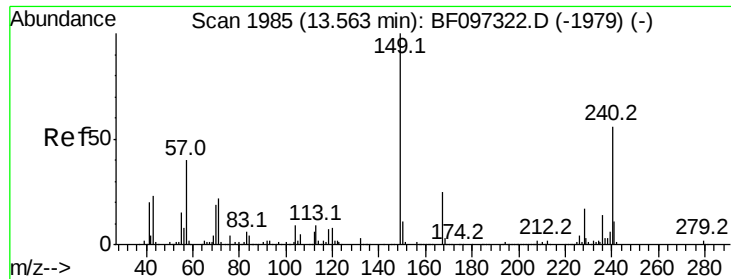


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Instrument :

BNA_F

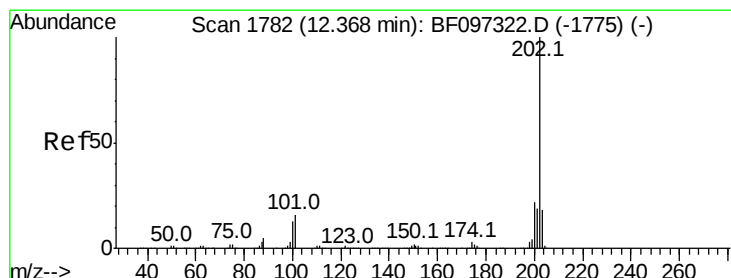
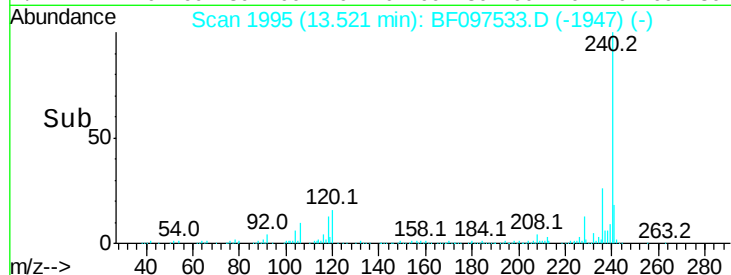
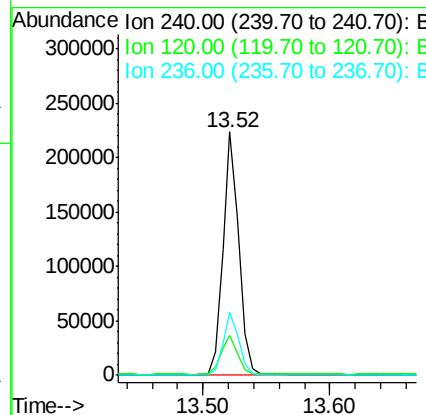
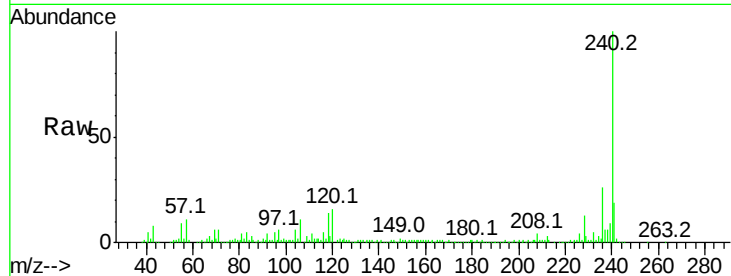
ClientSampleId :

E2-L9-ESW

Tot Ion	Ratio	Resp	Lower	Upper
240	100	198173		
120	16.2	5.8	8.8#	
236	25.8	20.5	30.7	

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#77

Pyrene

Concen: 15.759 ng

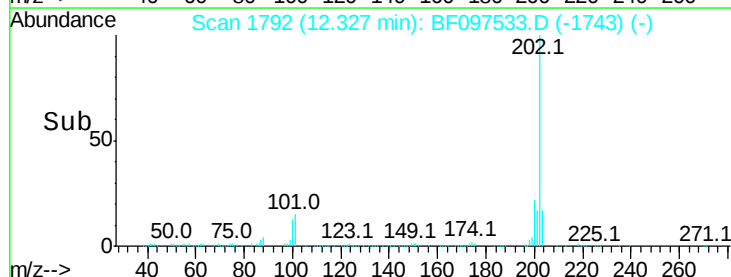
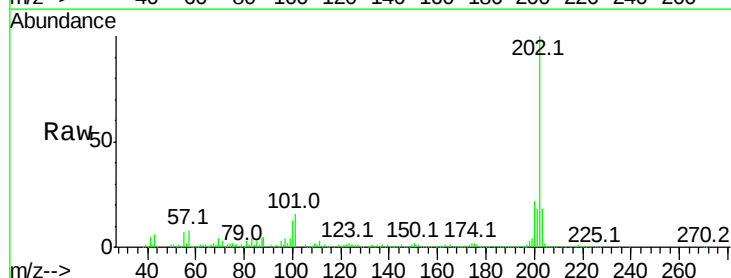
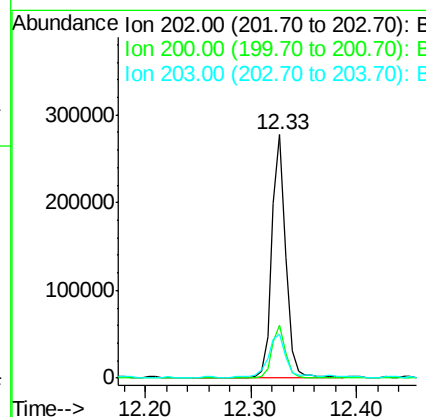
RT: 12.33 min Scan# 1792

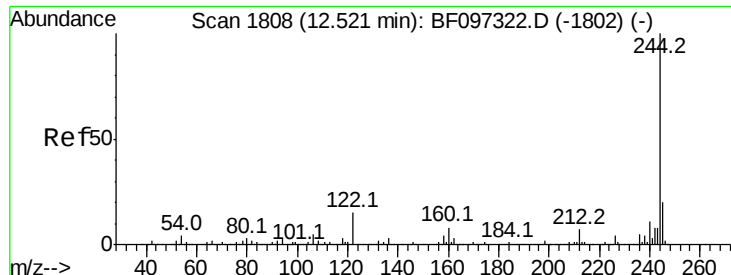
Delta R.T. -0.01 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	255664		
200	21.9	17.6	26.4	
203	18.0	14.4	21.6	





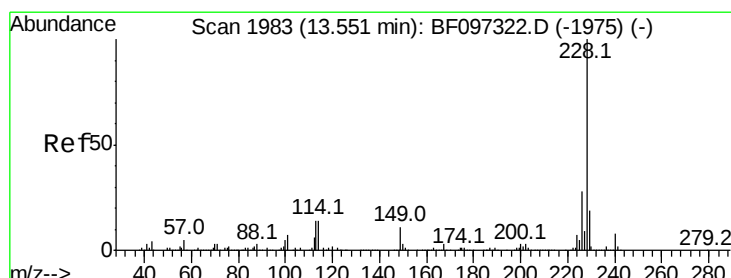
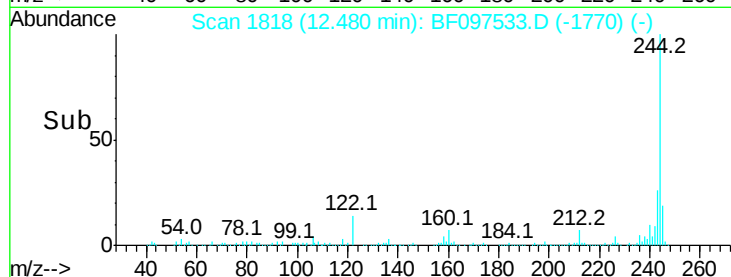
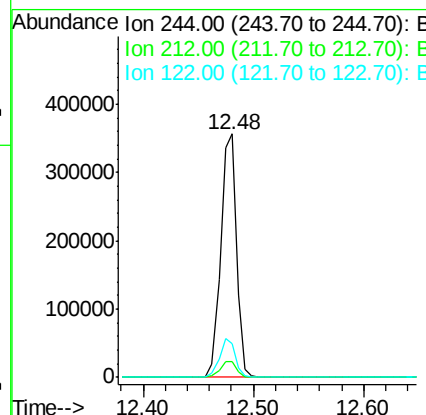
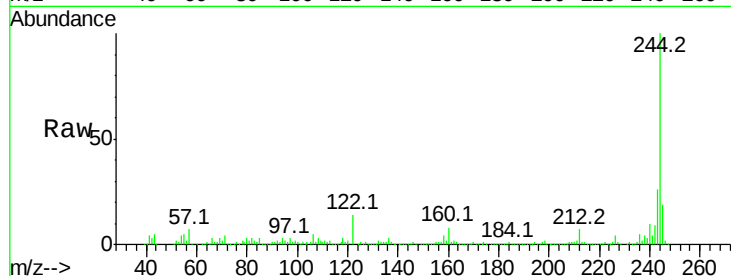
#78
 Terphenyl-d14
 Concen: 36.199 ng
 RT: 12.48 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF097533.D
 Acq: 9 Aug 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-ESW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.7	10.3	15.5

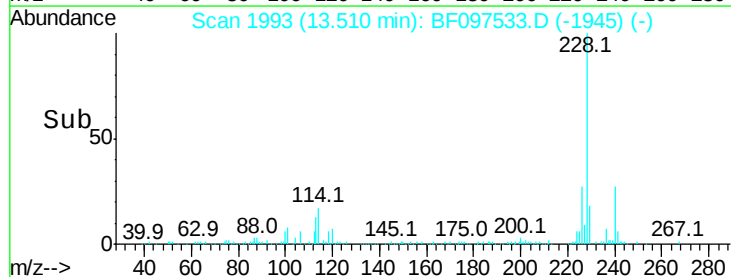
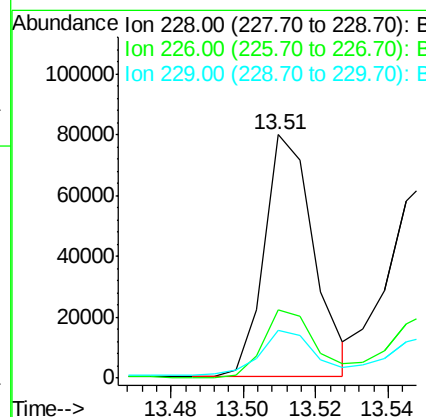
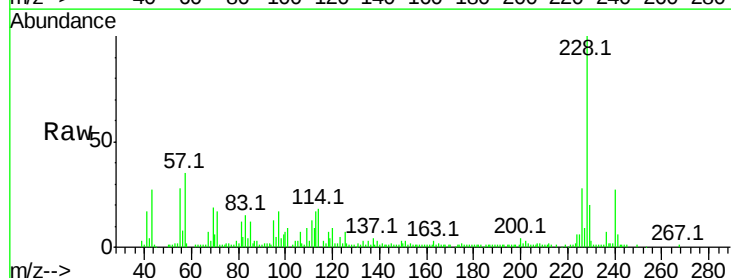
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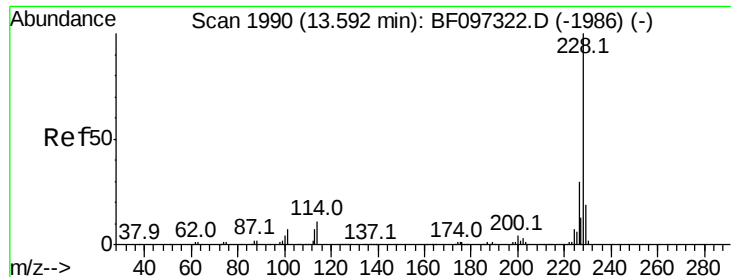
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#80
 Benzo(a)anthracene
 Concen: 5.919 ng
 RT: 13.51 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF097533.D
 Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.6	16.3	24.5





#82

Chrysene

Concen: 6.171 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Instrument :

BNA_F

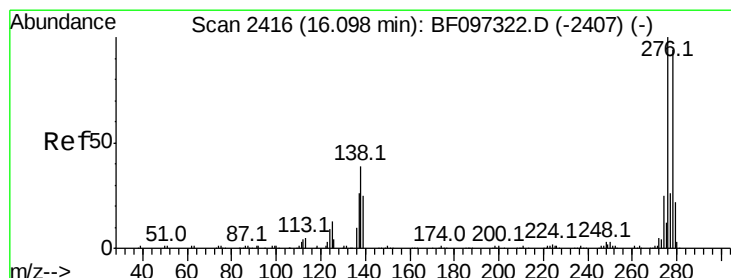
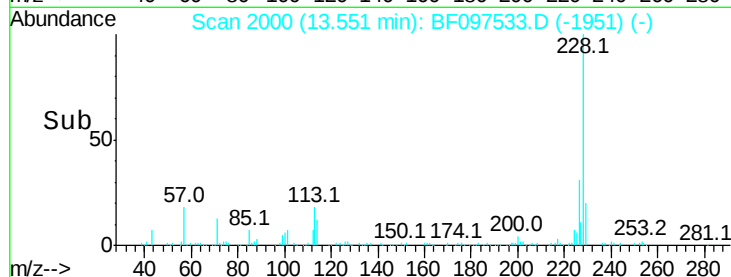
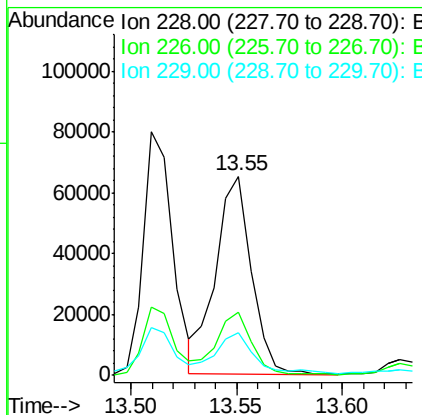
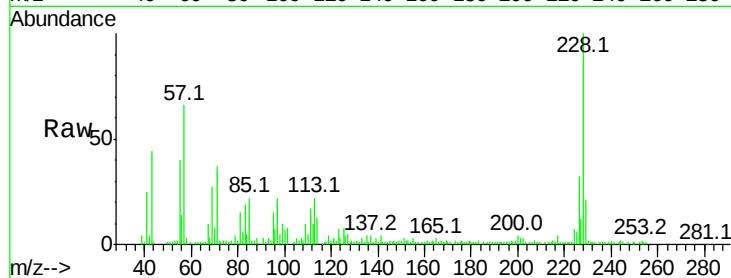
ClientSampled :

E2-L9-ESW

Tot Ion:	228	Resp:	77270
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.9	37.3
229	21.2	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.761 ng

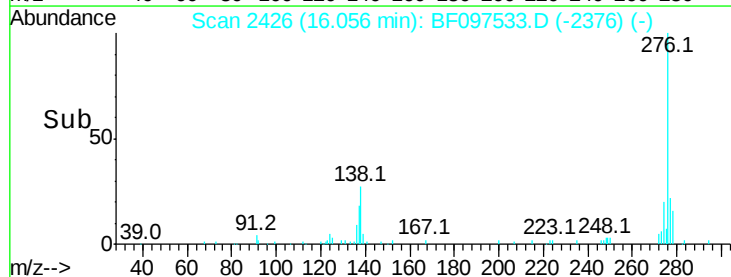
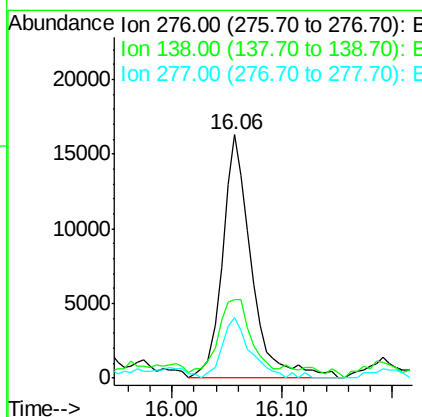
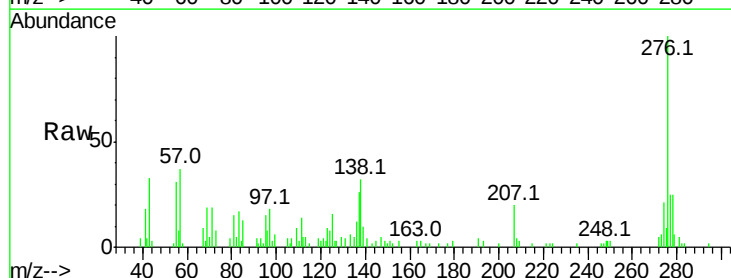
RT: 16.06 min Scan# 2426

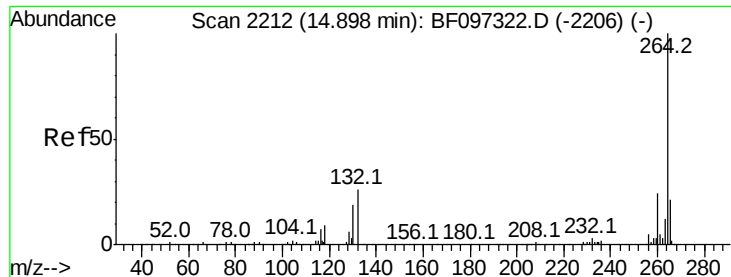
Delta R.T. -0.01 min

Lab File: BF097533.D

Acq: 9 Aug 2017 23:24

Tgt Ion:	276	Resp:	29644
Ion Ratio	Lower	Upper	
276	100		
138	32.8	27.8	41.6
277	23.9	20.2	30.4





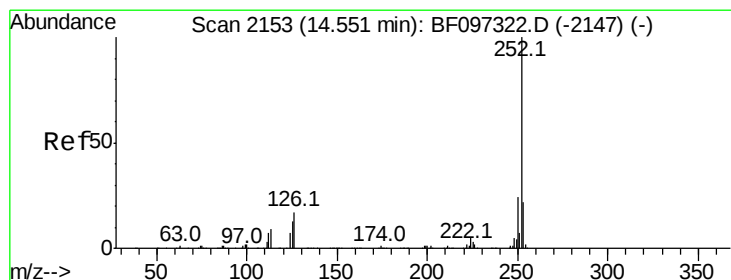
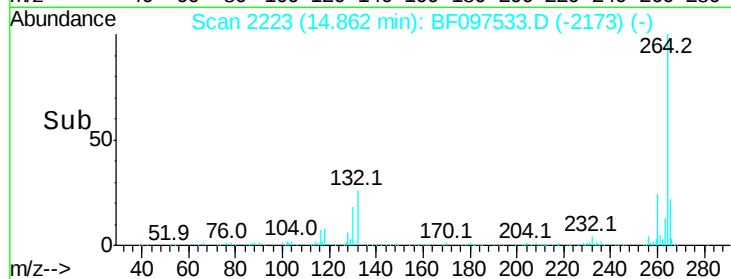
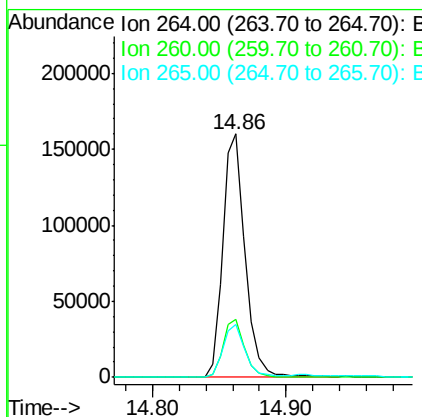
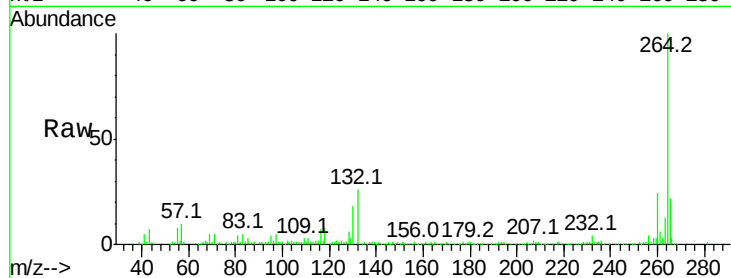
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampleId :
E2-L9-ESW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.8	17.2	25.8

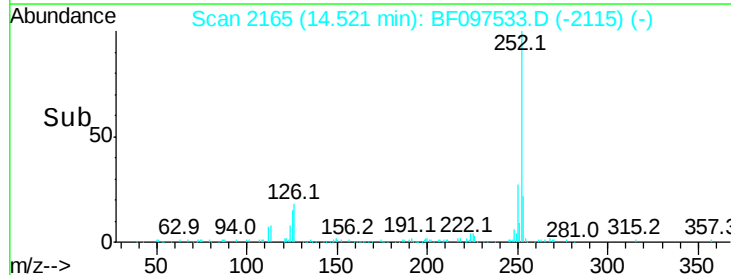
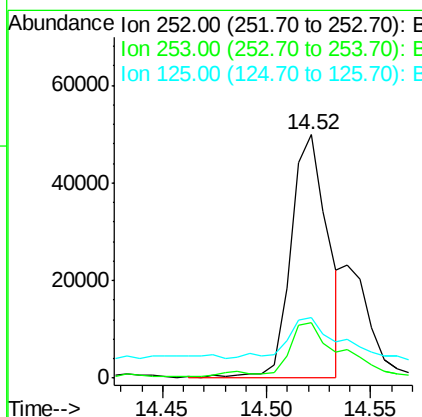
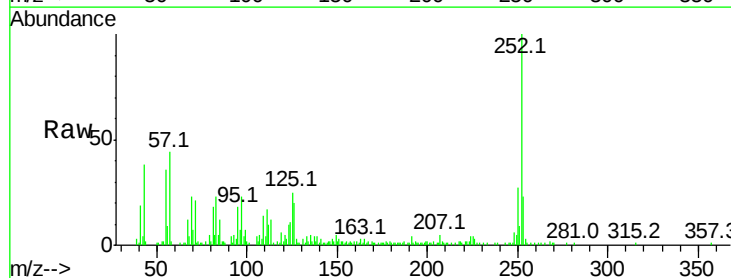
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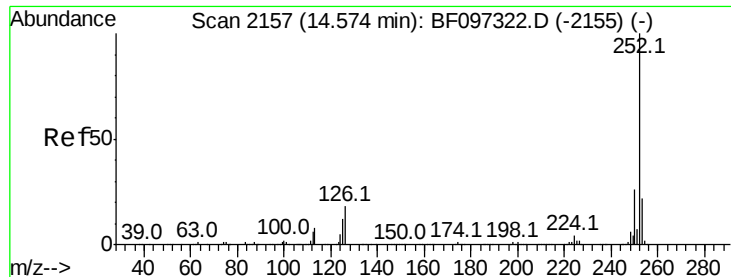
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#87
Benzo(b)fluoranthene
Concen: 5.414 ng m
RT: 14.52 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	24.8	9.8	14.8#





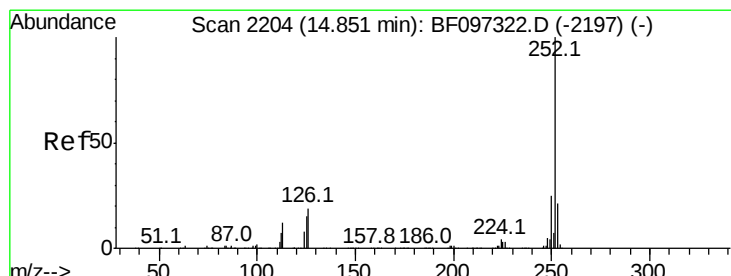
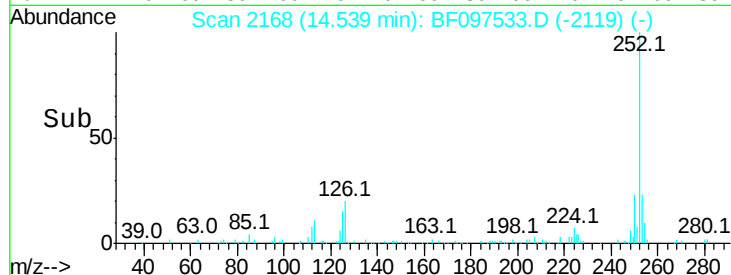
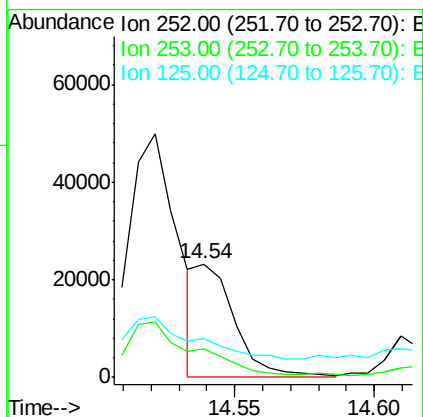
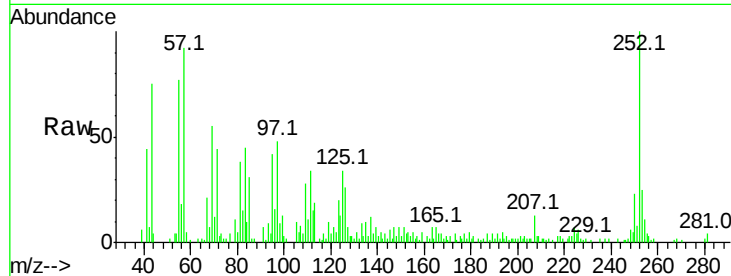
#88
Benzo(k)fluoranthene
Concen: 2.049 ng m
RT: 14.54 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Instrument :
BNA_F
ClientSampled :
E2-L9-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	33.8	13.1	19.7

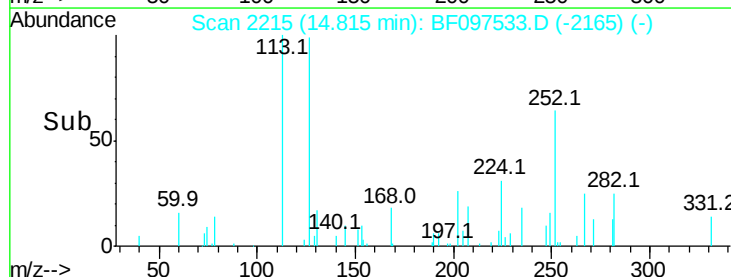
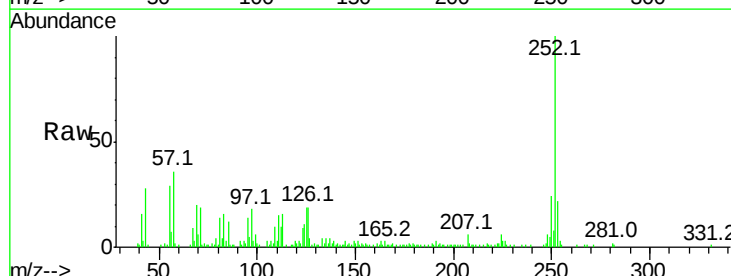
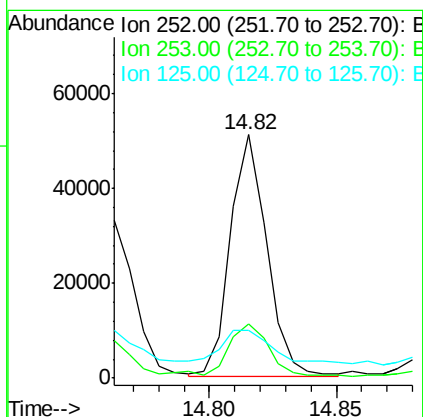
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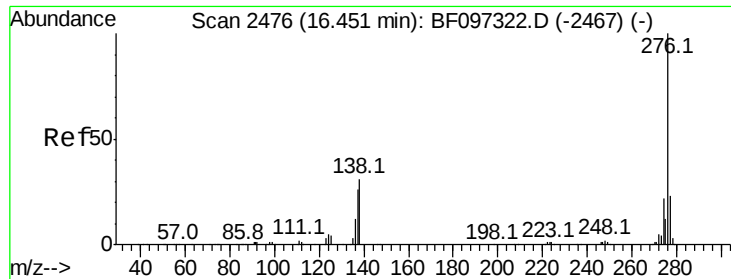
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#89
Benzo(a)pyrene
Concen: 4.932 ng
RT: 14.82 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097533.D
Acq: 9 Aug 2017 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	19.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.271 ng
 RT: 16.41 min Scan# 2486
 Delta R.T. 0.00 min
 Lab File: BF097533.D
 Acq: 9 Aug 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-ESW

Tot Ion:	276	Resp:	29231
Ion Ratio	Lower	Upper	
276	100		
277	22.3	18.6	28.0
138	37.6	25.4	38.0

Manual Integrations
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