

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097658.D
 Acq On : 13 Aug 2017 6:14
 Operator : SJ/JU
 Sample : I4697-08DL 250X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-4BDL

Manual Integrations
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Quant Time: Aug 14 07:44:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	126596	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	497512	20.00	ng	0.00
38) Acenaphthene-d10	12.35	164	197220	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	281694	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	193383	20.00	ng	-0.01
86) Perylene-d12	20.12	264	181314	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	8.57	82	110	0.01	ng	0.15
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.32	172	3421	0.26	ng	0.00
78) Terphenyl-d14	17.10	244	1784	0.19	ng	-0.02
Target Compounds						
31) Naphthalene	9.56	128	1040604	41.758	ng	99
37) 2-Methylnaphthalene	10.69	142	192829	12.298	ng	98
45) 1,1'-Biphenyl	11.46	154	64304	3.800	ng	93
48) Acenaphthylene	12.13	152	44729	2.166	ng	97
51) Acenaphthene	12.40	154	262512	21.209	ng	99
54) Dibenzofuran	12.69	168	219681	12.678	ng	97
57) Fluorene	13.24	166	197709	13.874	ng	99
70) Phenanthrene	14.79	178	851538	52.485	ng	99
71) Anthracene	14.87	178	242340	14.599	ng	98
72) Carbazole	15.18	167	60312	3.817	ng	98
74) Fluoranthene	16.56	202	525352	35.834	ng	98
77) Pyrene	16.86	202	429712	26.871	ng	96
80) Benzo(a)anthracene	18.44	228	153482m	13.589	ng	
82) Chrysene	18.48	228	115115	10.247	ng	99
85) Indeno(1,2,3-cd)pyrene	21.34	276	61217	7.006	ng	99
87) Benzo(b)fluoranthene	19.72	252	148005m	13.594	ng	
88) Benzo(k)fluoranthene	19.74	252	51014m	4.652	ng	
89) Benzo(a)pyrene	20.06	252	123616	12.370	ng	98
91) Benzo(a,h,i)perylene	21.69	276	57527	7.329	ng	# 86

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

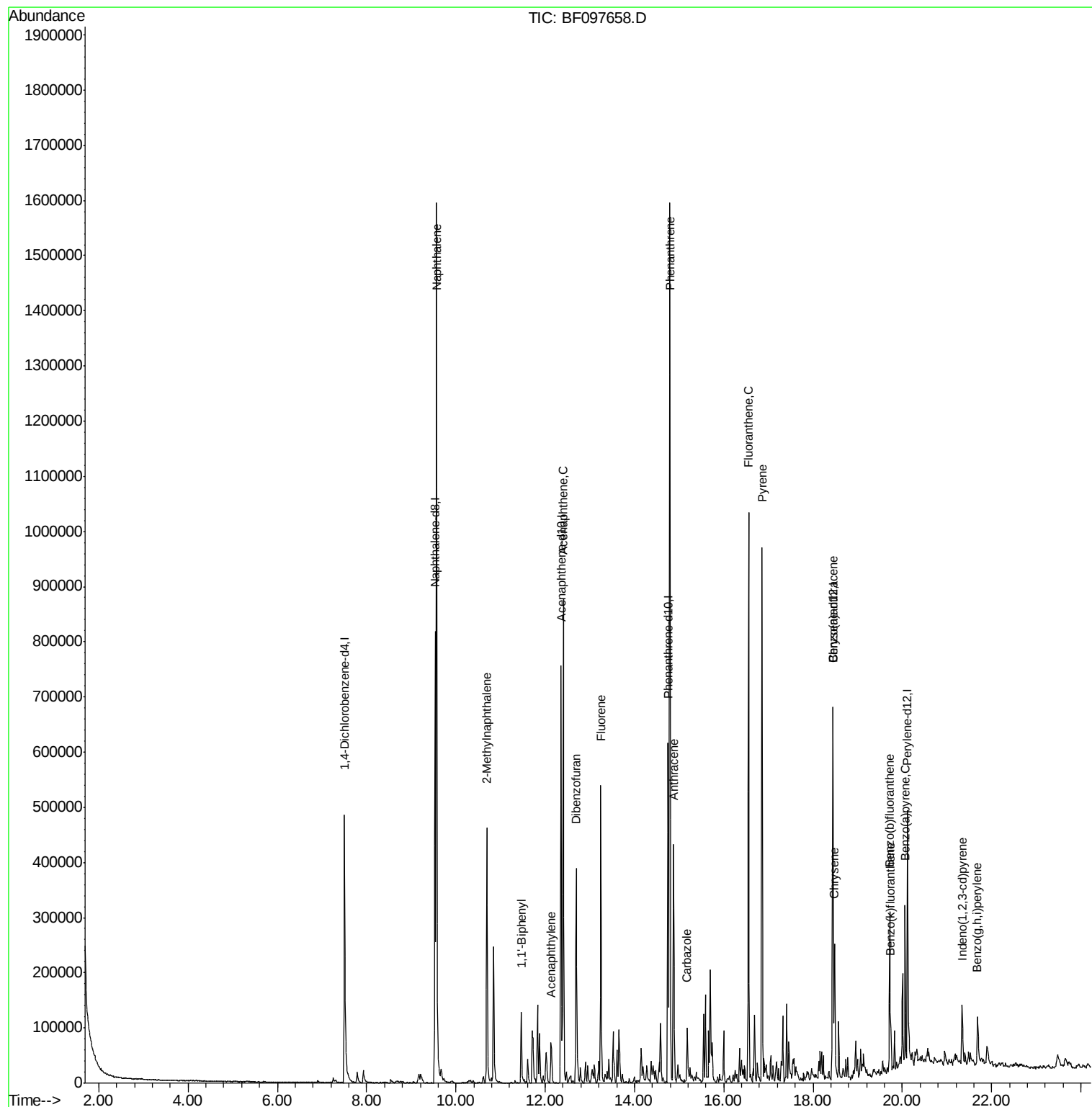
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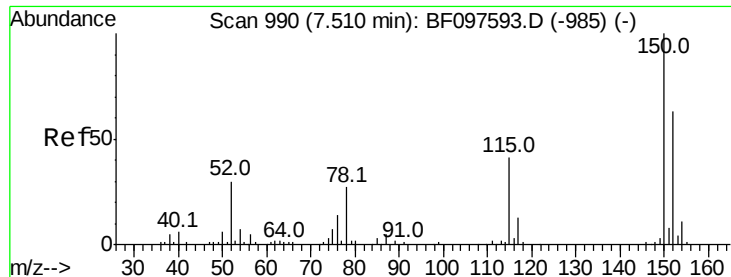
Instrument :
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#1

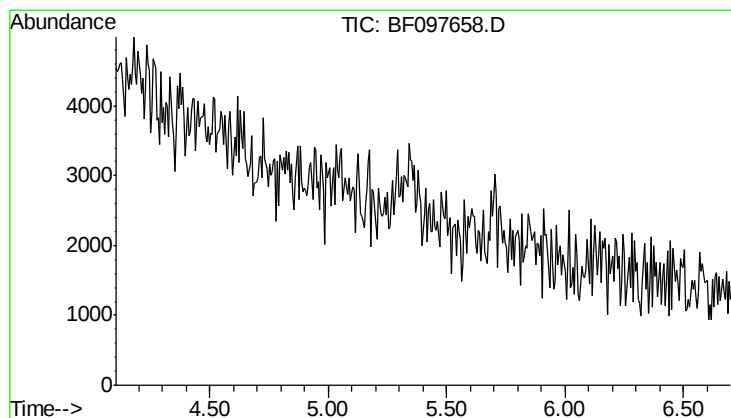
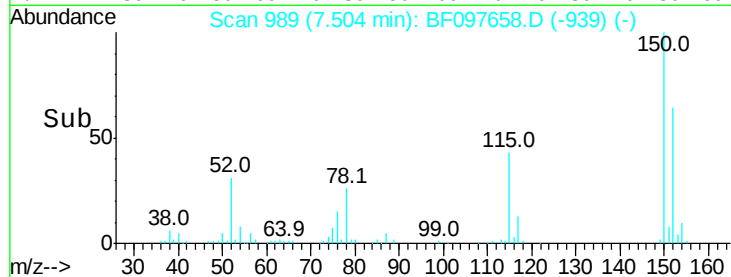
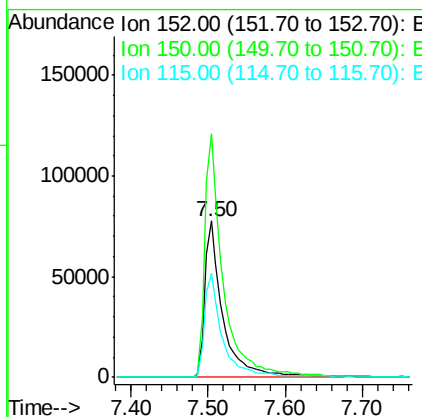
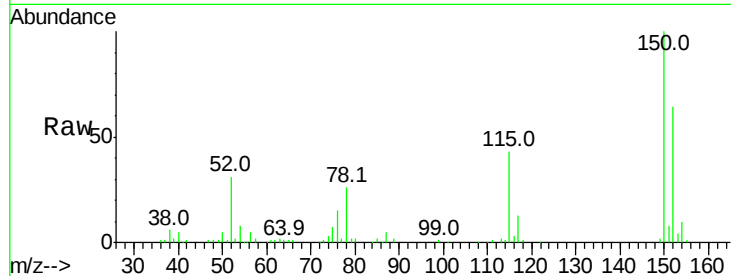
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.50 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.2	189.2
115	66.7	52.2	78.2

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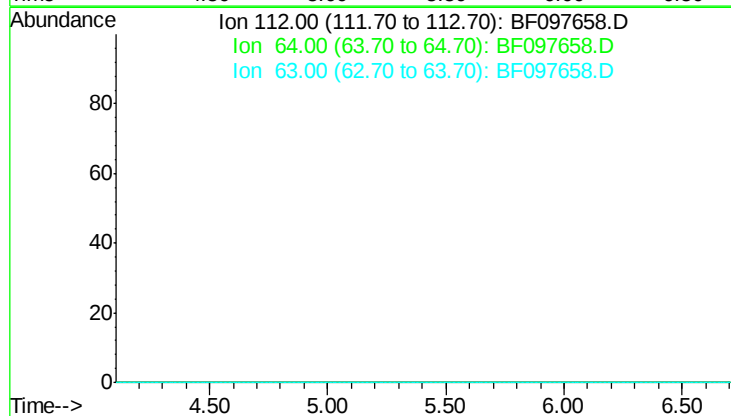


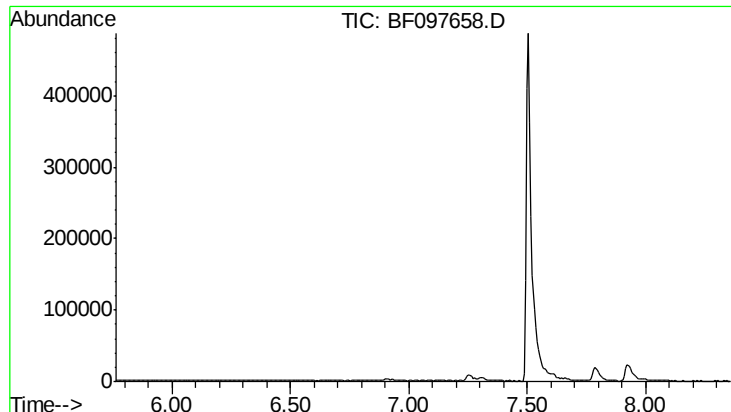
#5

2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.40 min

Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Tgt Ion	Exp Ratio
112	100
64	57.5
63	29.2





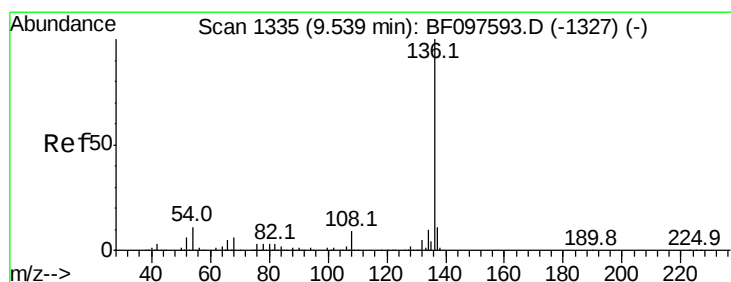
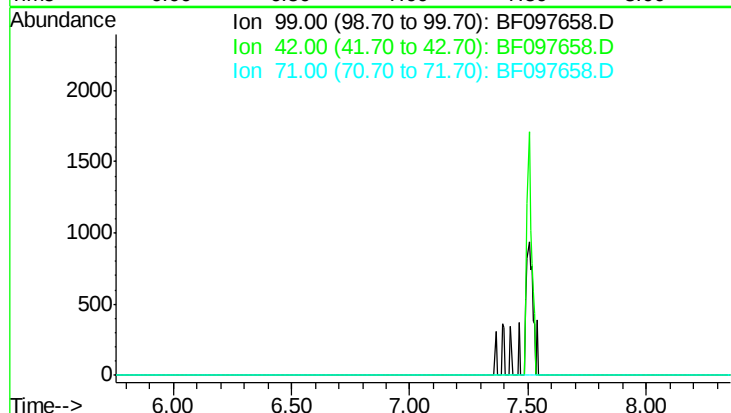
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 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 7.06 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-4BDL

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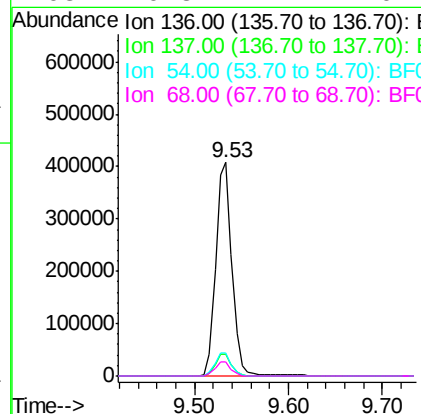
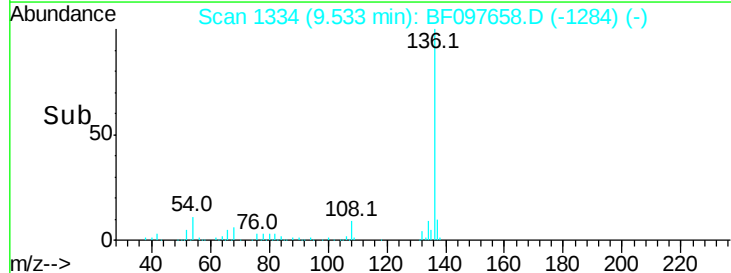
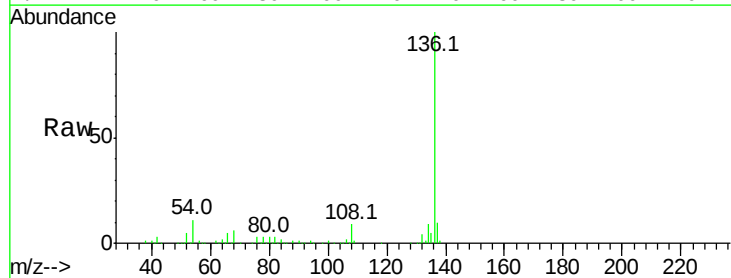
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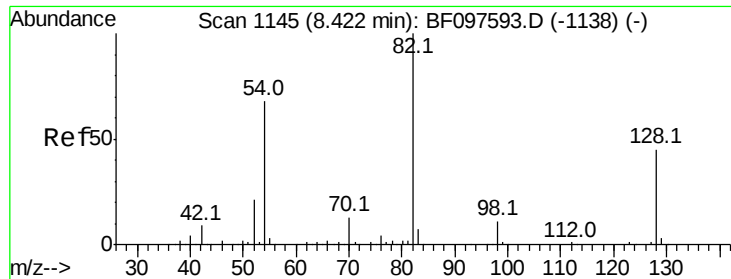
Tot Ion	99
Sig	Exp Ratio
99	100
42	16.9
71	30.6



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Tgt Ion	136	Resp	497512
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.5	12.7
54	10.6	4.9	7.3#
68	6.3	4.1	6.1#





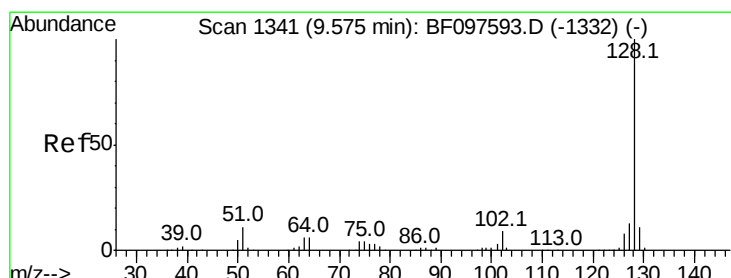
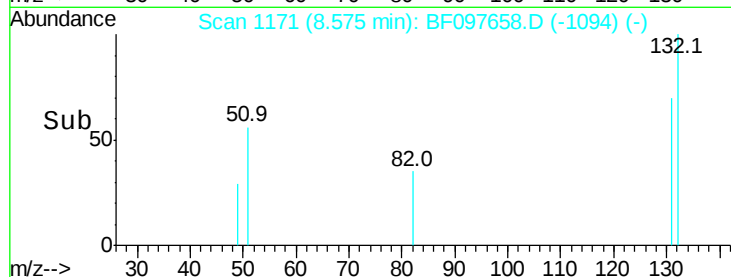
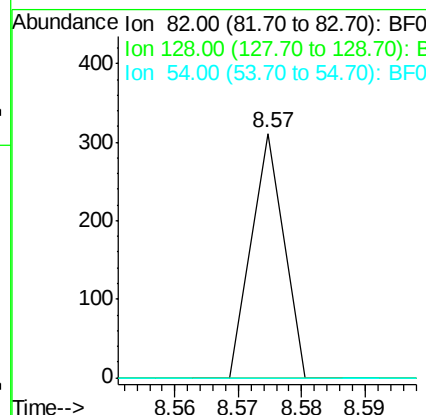
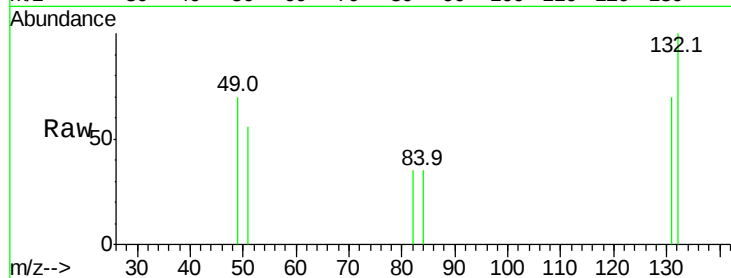
#23
 Nitrobenzene-d5
 Concen: 0.014 ng
 RT: 8.57 min Scan# 1171
 Delta R.T. 0.15 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	34.0	51.0#
54	0.0	42.2	63.2#

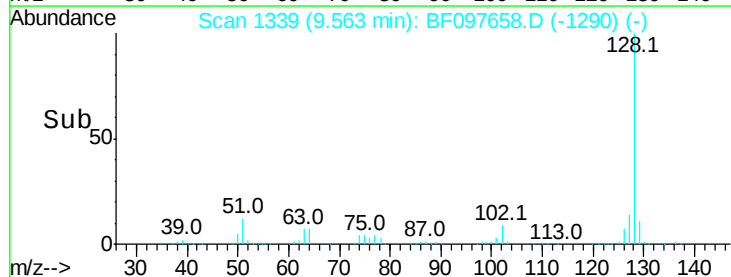
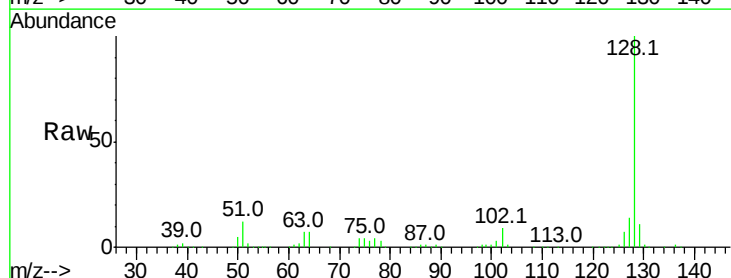
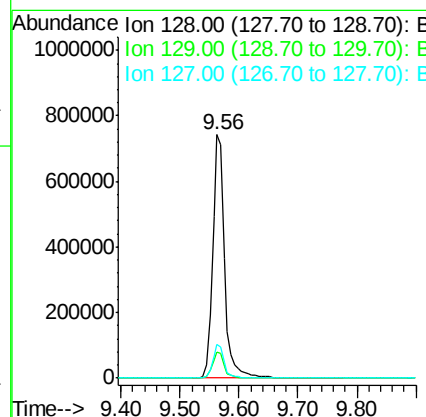
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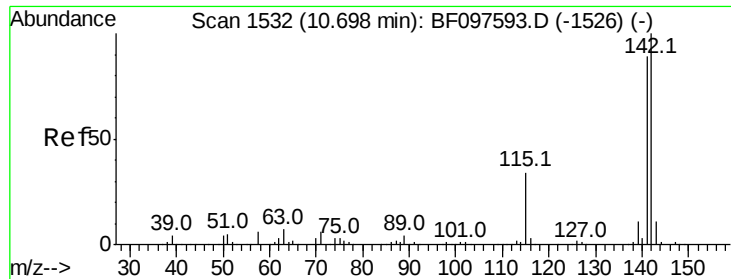
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#31
 Naphthalene
 Concen: 41.758 ng
 RT: 9.56 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.8	10.8	16.2





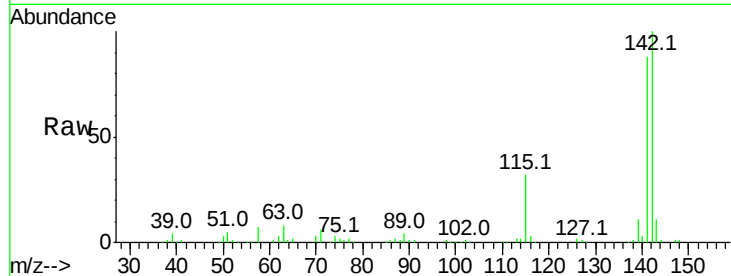
#37
2-Methylnaphthalene
Concen: 12.298 ng
RT: 10.69 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-4BDL

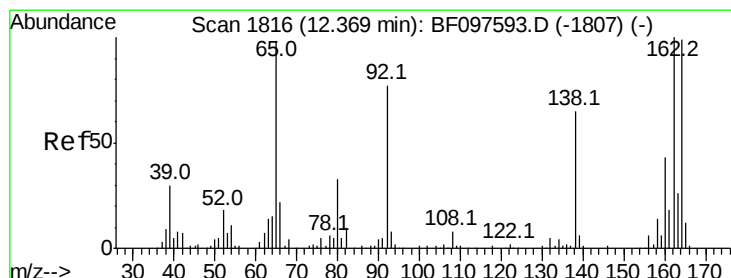
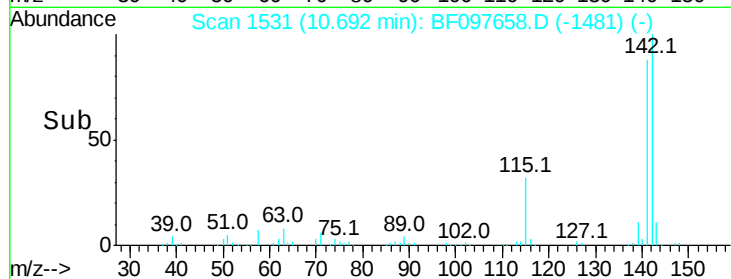
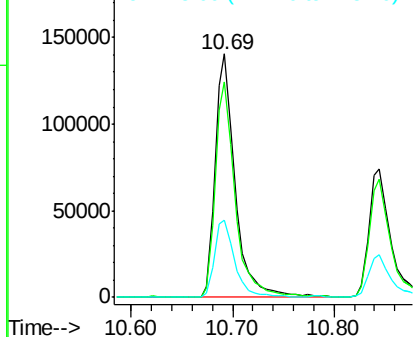
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.3	106.9
115	31.6	27.1	40.7

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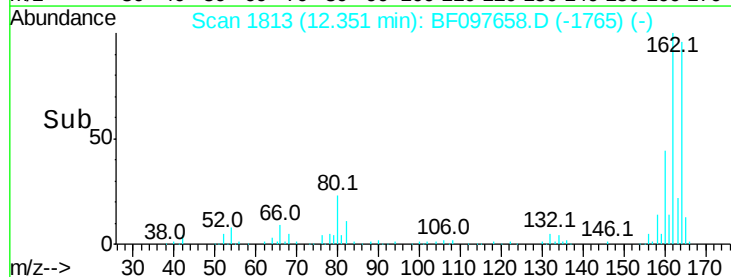
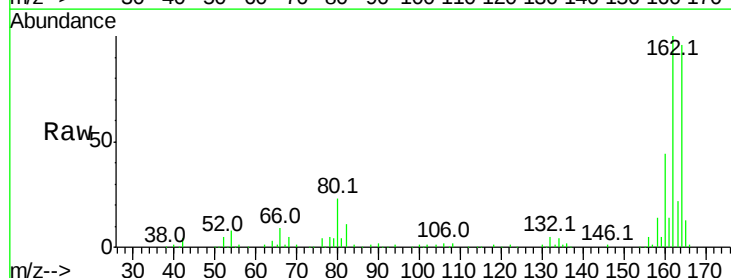
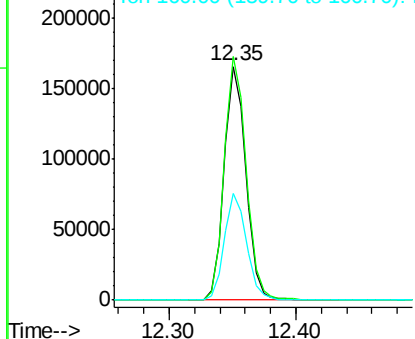
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

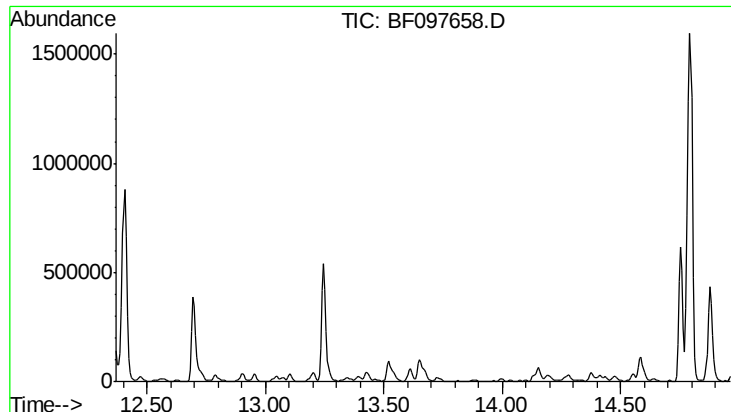


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.35 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.6	123.8
160	45.5	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





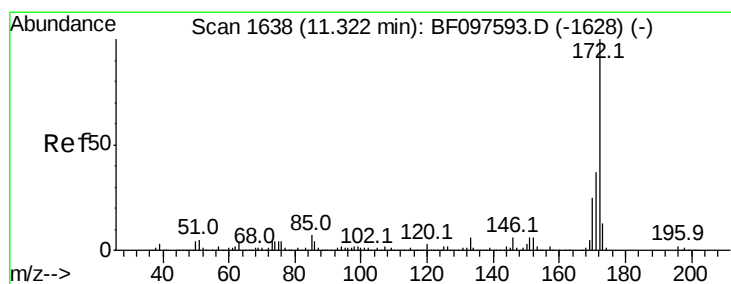
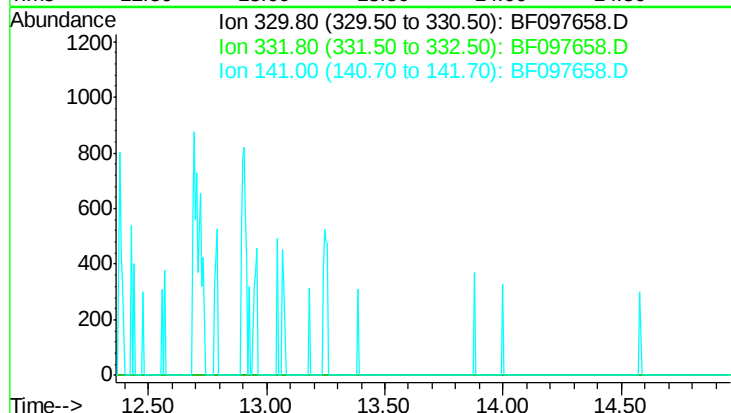
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 13.66 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 39.3

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-4BDL

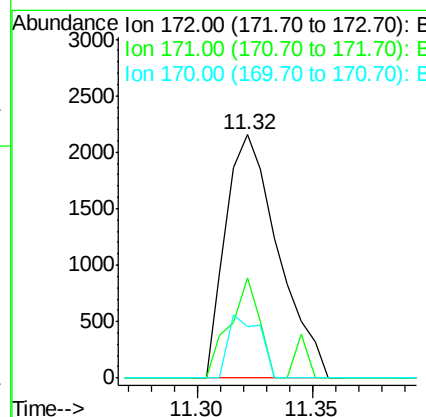
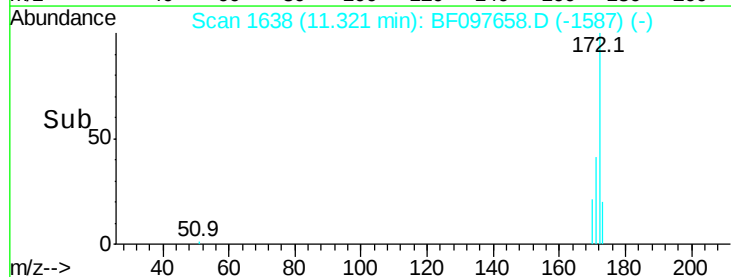
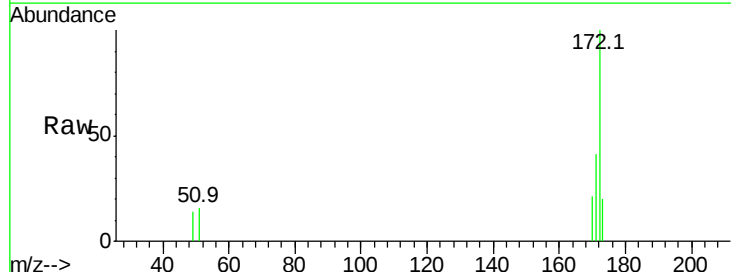
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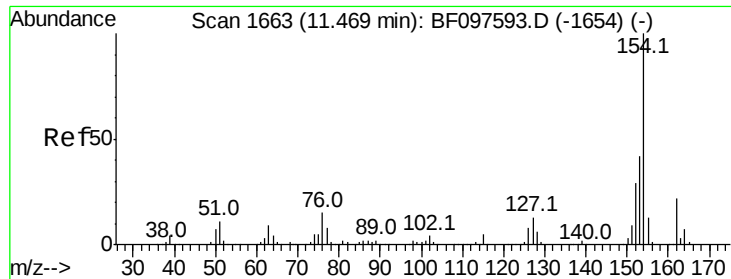
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#44
 2-Fluorobiphenyl
 Concen: 0.262 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Tgt Ion: 172 Resp: 3421
 Ion Ratio Lower Upper
 172 100
 171 41.3 29.6 44.4
 170 21.2 19.8 29.8





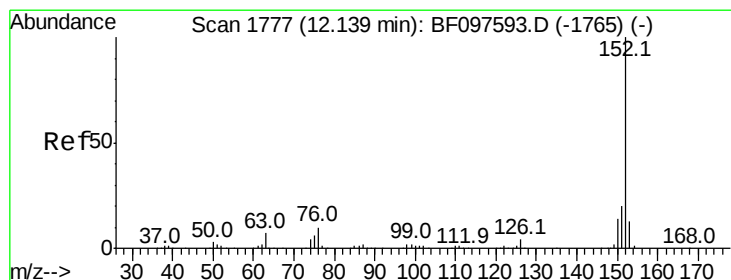
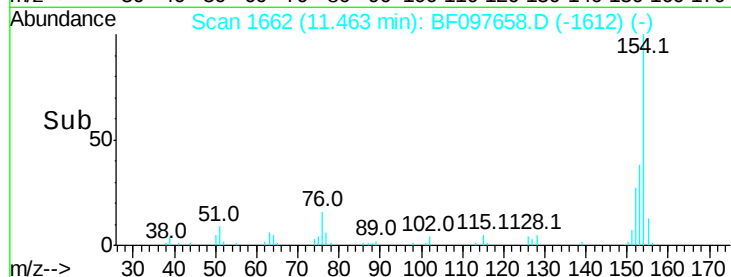
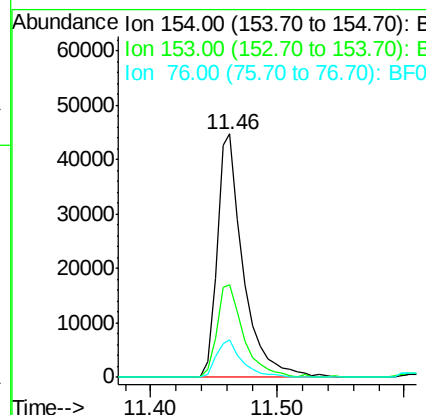
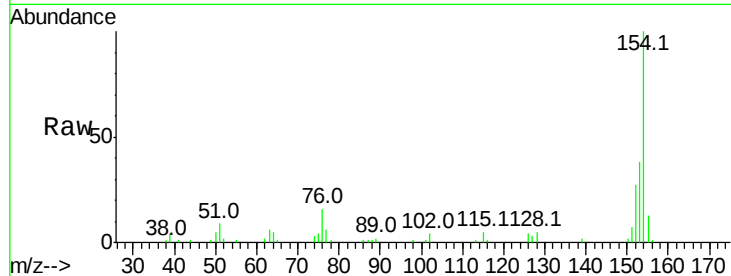
#45
 1,1'-Biphenyl
 Concen: 3.800 ng
 RT: 11.46 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.0	21.2	61.2
76	15.6	0.0	29.9

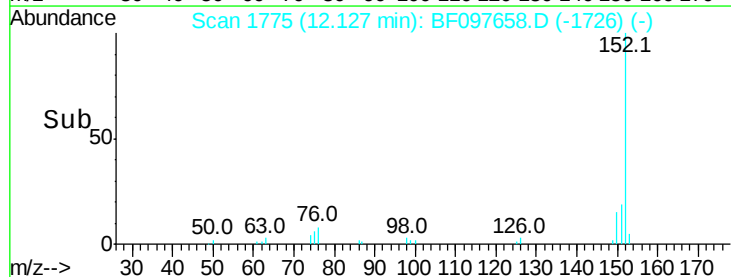
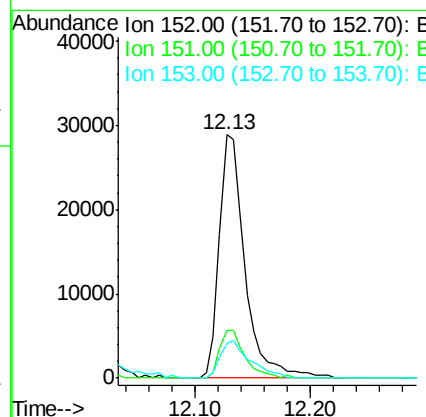
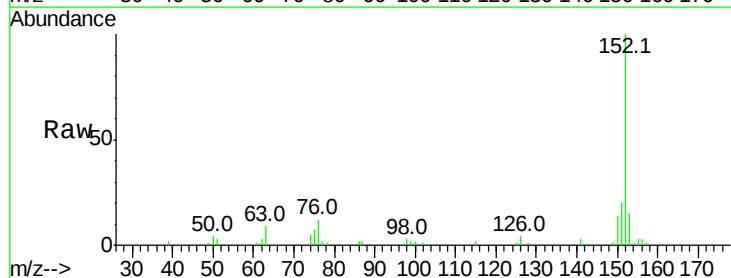
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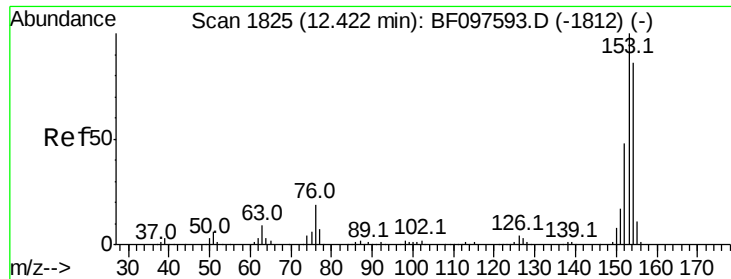
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#48
 Acenaphthylene
 Concen: 2.166 ng
 RT: 12.13 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	14.6	10.8	16.2





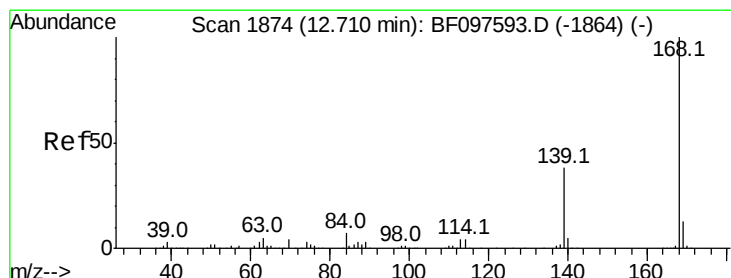
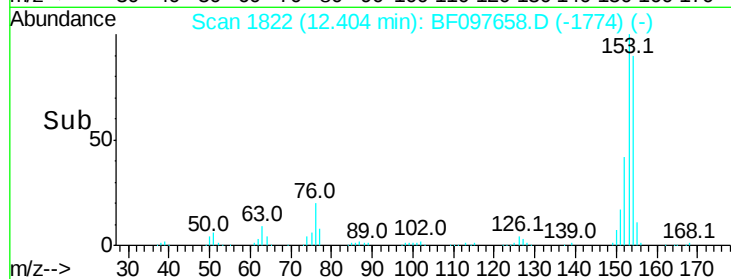
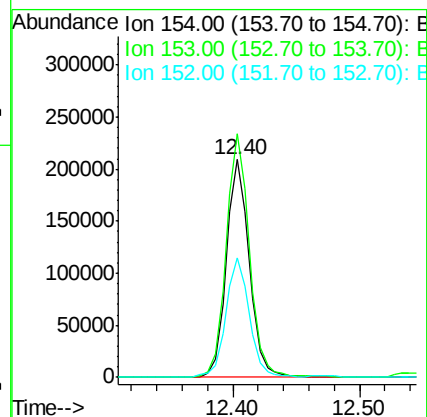
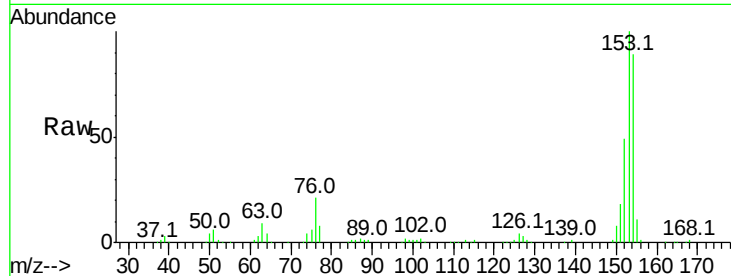
#51
Acenaphthene
Concen: 21.209 ng
RT: 12.40 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.5	135.7
152	54.9	43.6	65.4

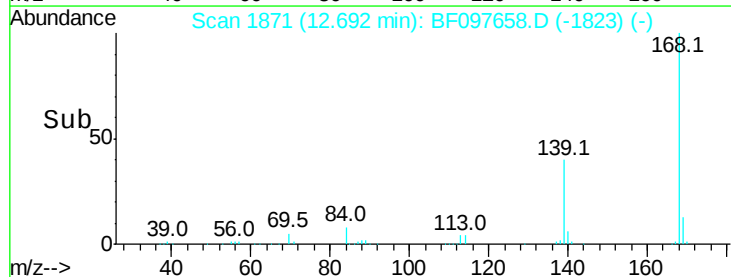
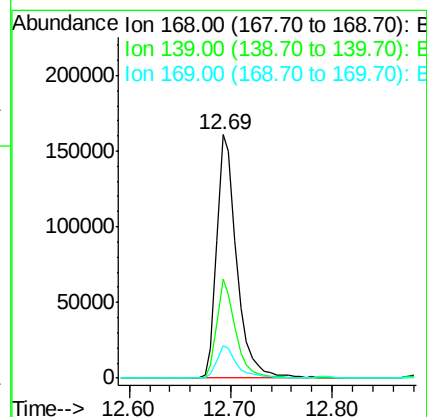
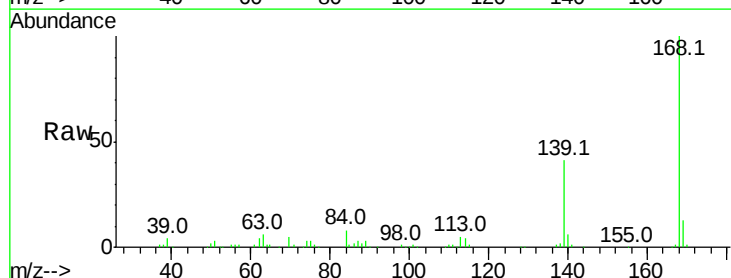
Manual Integrations
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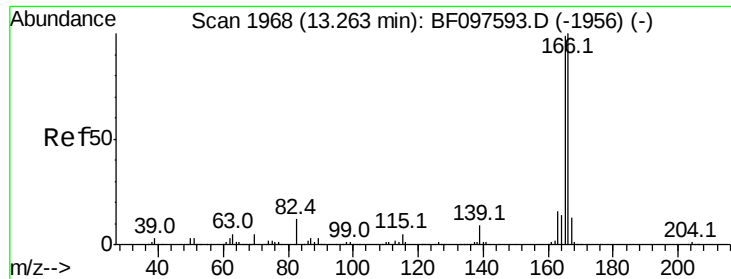
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#54
Dibenzofuran
Concen: 12.678 ng
RT: 12.69 min Scan# 1871
Delta R.T. -0.02 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.7	30.6	45.8
169	13.4	10.8	16.2





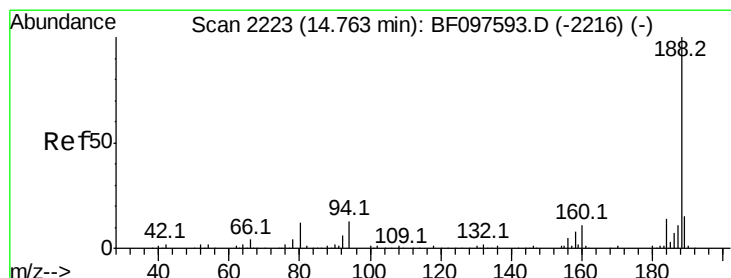
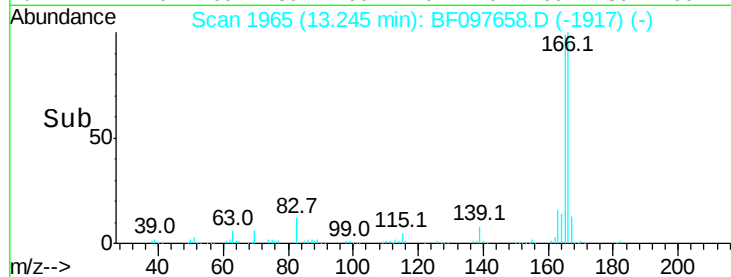
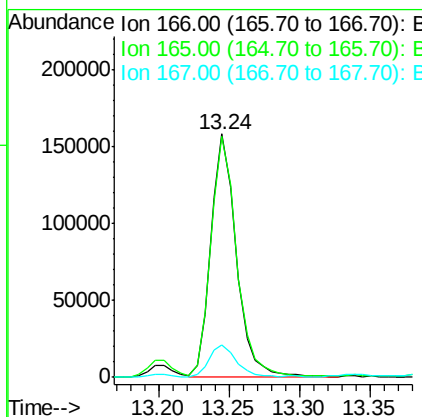
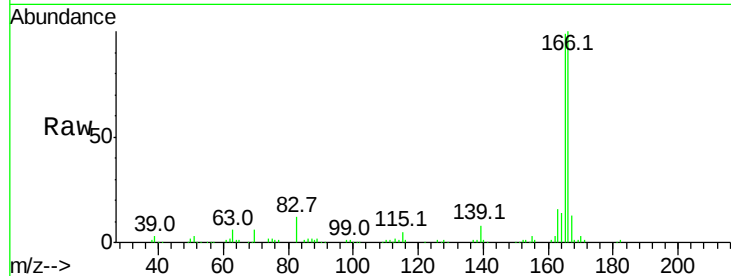
#57
Fluorene
 Concen: 13.874 ng
 RT: 13.24 min Scan# 1965
 Delta R.T. -0.02 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.8	118.2
167	13.4	10.6	16.0

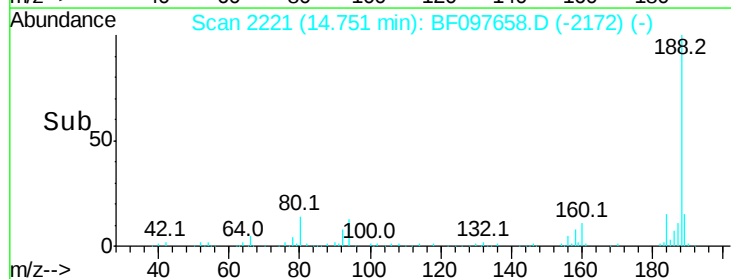
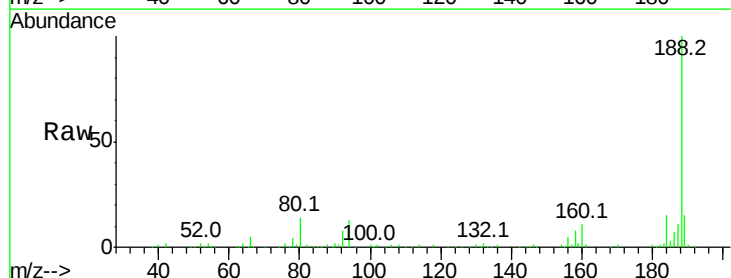
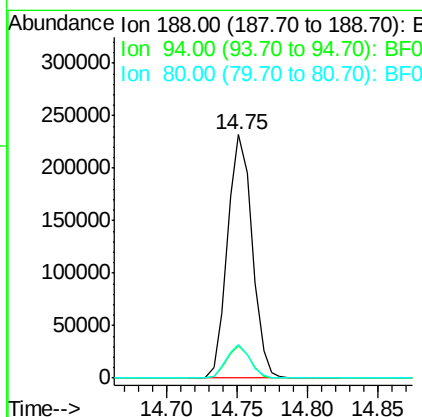
Manual Integrations
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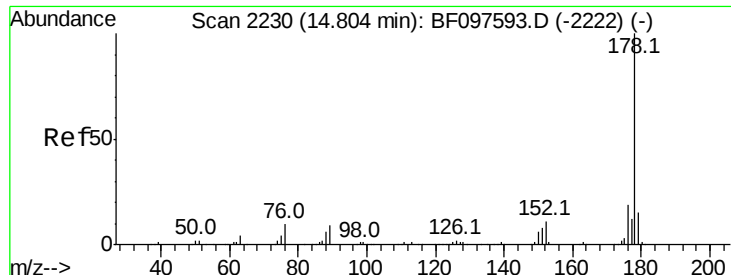
sohil
 8/14/2017 7:07:22 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.4	9.4	14.2
80	13.9	10.2	15.2





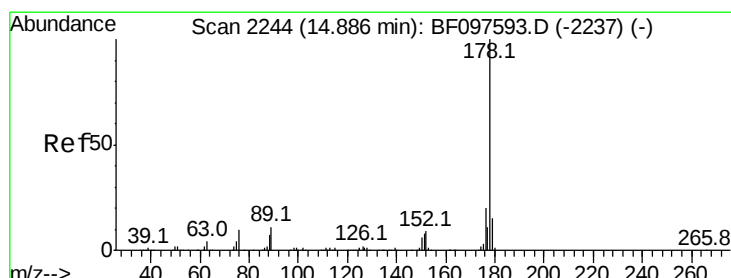
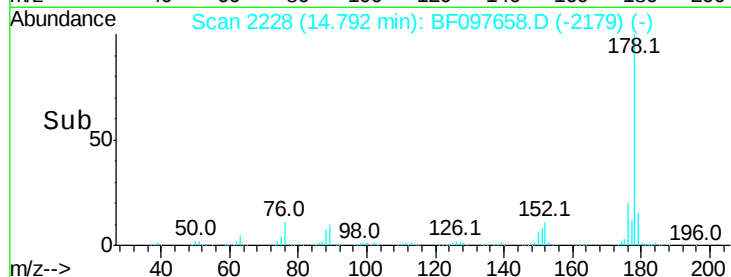
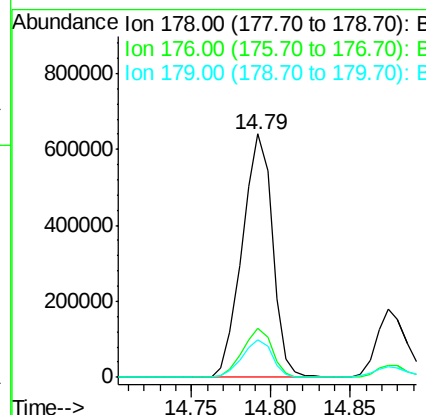
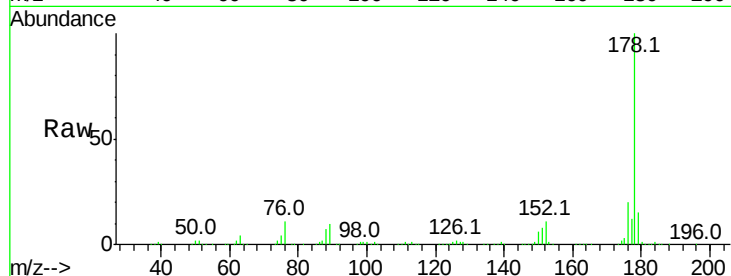
#70
Phenanthrene
Concen: 52.485 ng
RT: 14.79 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.4	12.6	19.0

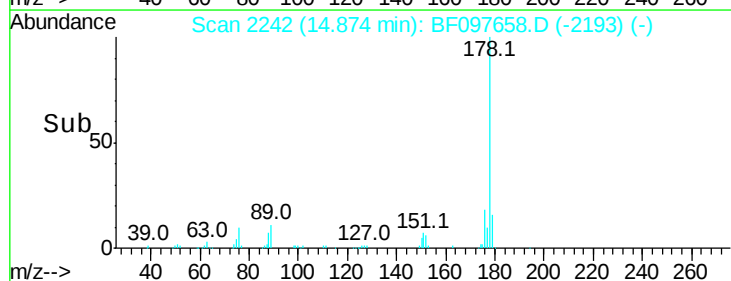
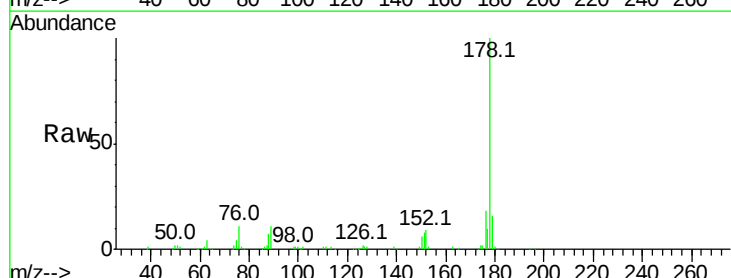
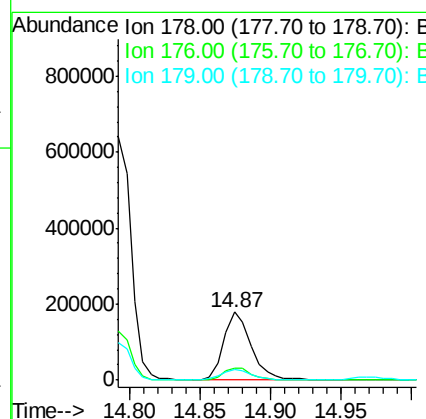
Manual Integrations
APPROVED

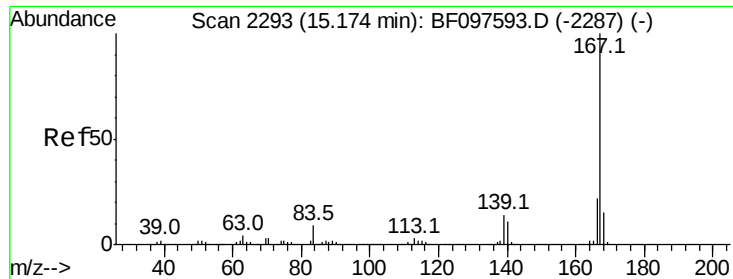
sohil
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#71
Anthracene
Concen: 14.599 ng
RT: 14.87 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.8	12.7	19.1





#72

Carbazole

Concen: 3.817 ng

RT: 15.18 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF097658.D

Acq: 13 Aug 2017 6:14

Instrument :

BNA_F

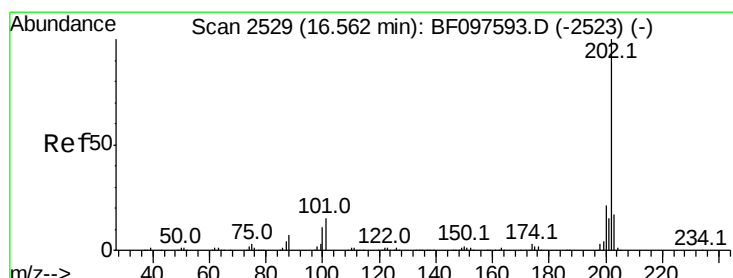
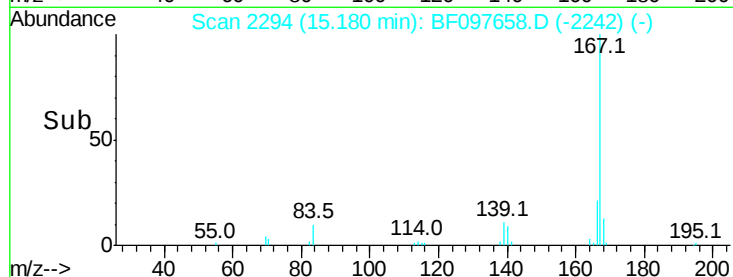
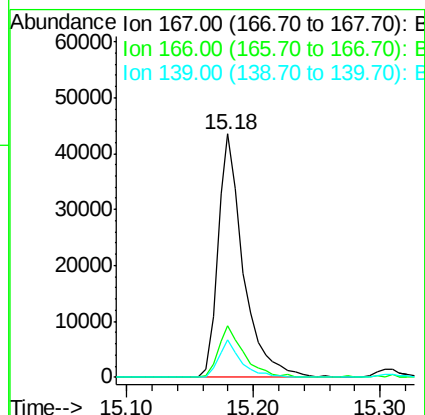
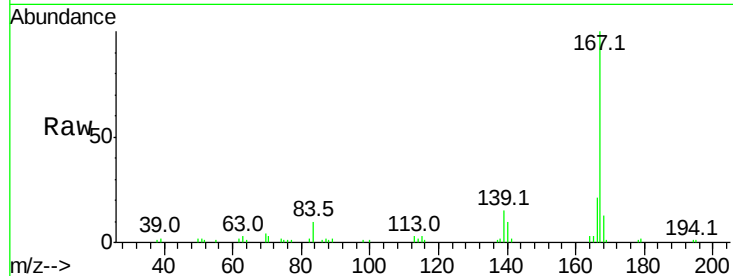
ClientSampleId :

NYSEG-PH4-ESMI-4BDL

Tot Ion:	167	Resp:	60312
Ion Ratio	Lower	Upper	
167	100		
166	21.1	18.1	27.1
139	15.2	11.7	17.5

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#74

Fluoranthene

Concen: 35.834 ng

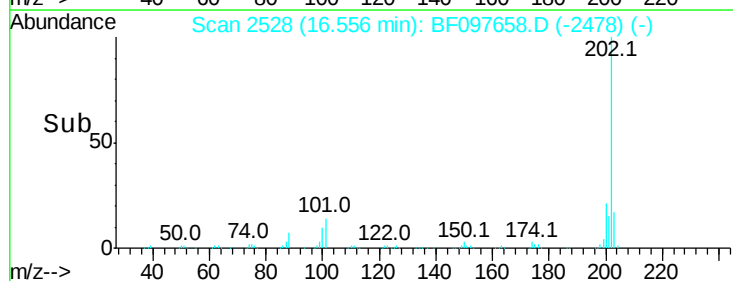
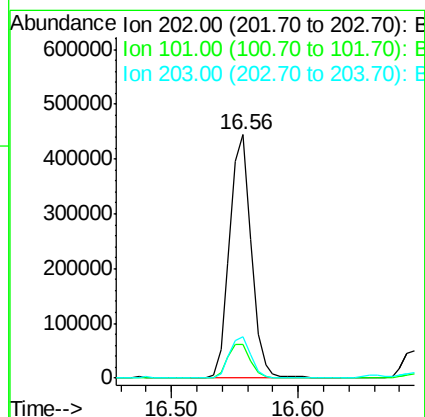
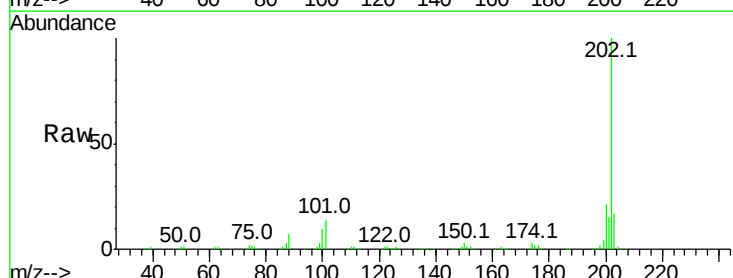
RT: 16.56 min Scan# 2528

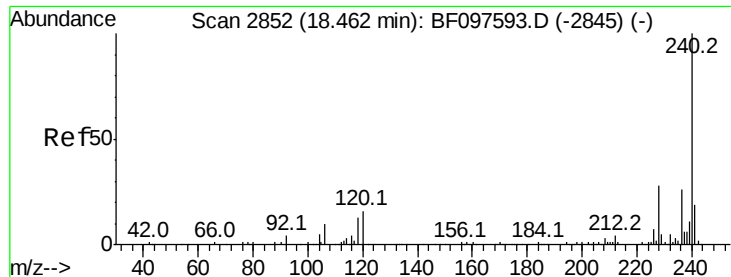
Delta R.T. -0.01 min

Lab File: BF097658.D

Acq: 13 Aug 2017 6:14

Tgt Ion:	202	Resp:	525352
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.45 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF097658.D

Acq: 13 Aug 2017 6:14

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-4BDL

Tot Ion:240 Resp: 193383

Ion Ratio Lower Upper

240 100

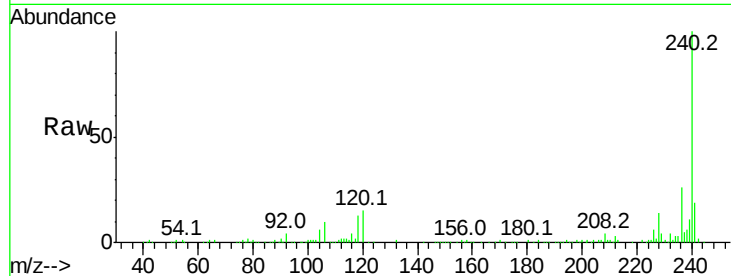
120 15.4 5.8 8.8#

236 25.6 20.5 30.7

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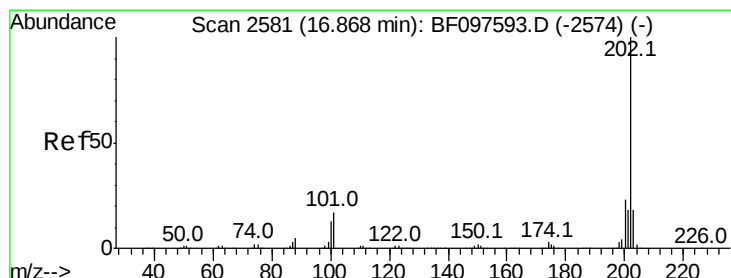
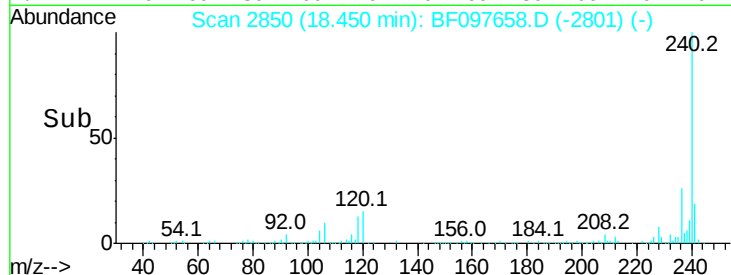
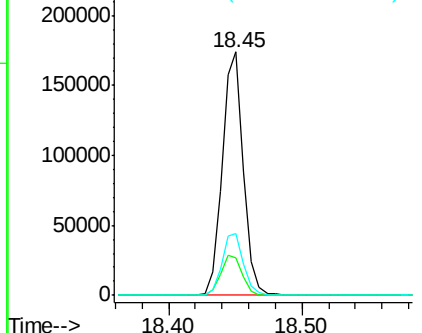
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 26.871 ng

RT: 16.86 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF097658.D

Acq: 13 Aug 2017 6:14

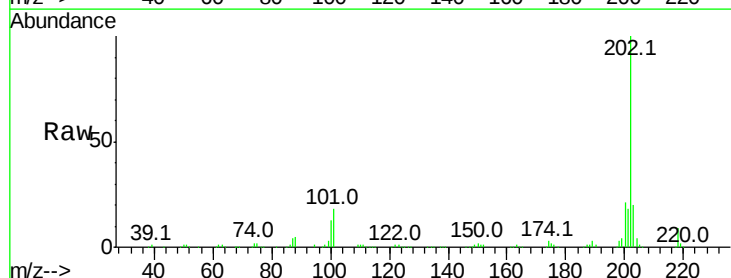
Tgt Ion:202 Resp: 429712

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

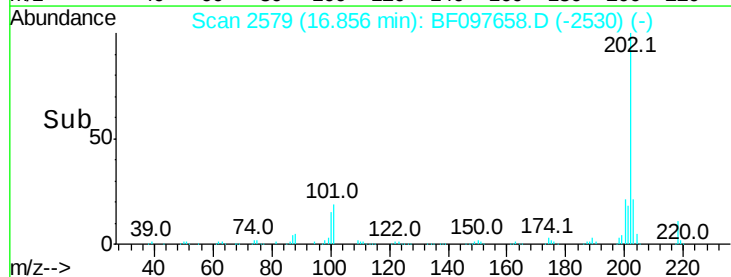
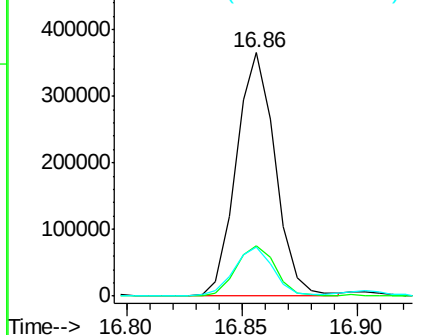
203 20.3 14.4 21.6

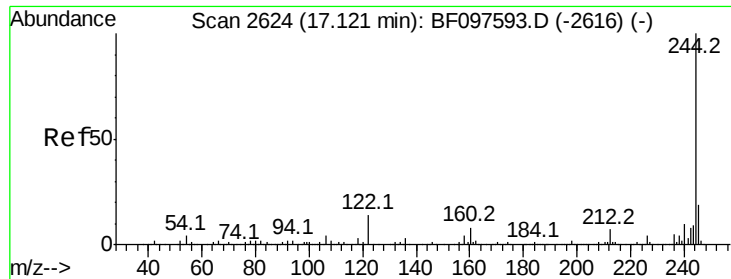


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





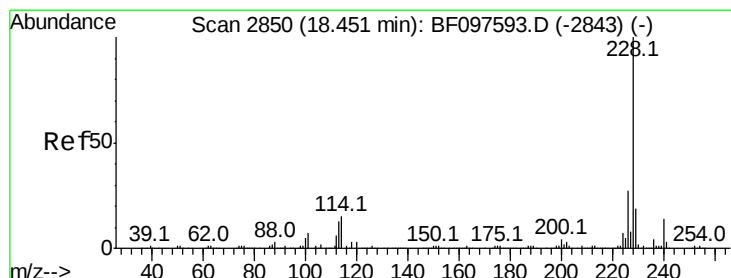
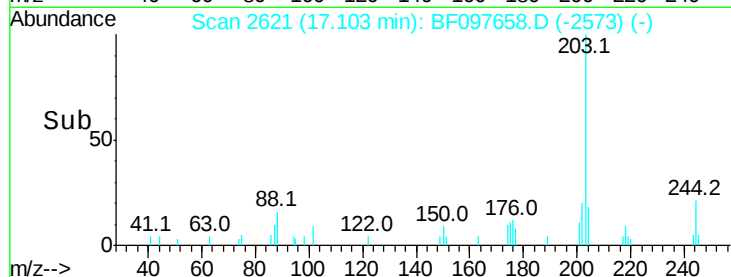
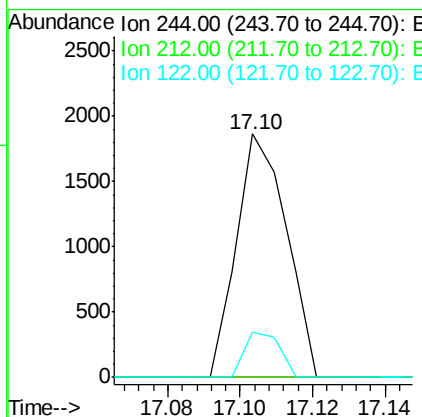
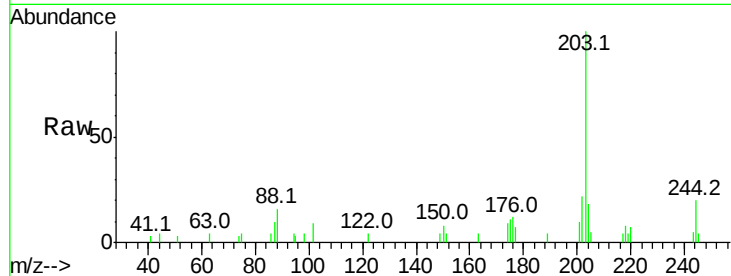
#78
 Terphenyl-d14
 Concen: 0.191 ng
 RT: 17.10 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	0.0	6.0	9.0#
122	18.8	10.3	15.5#

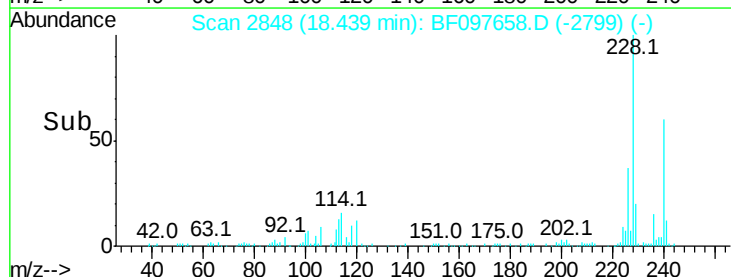
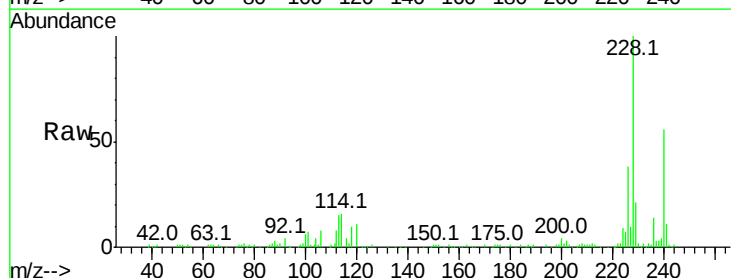
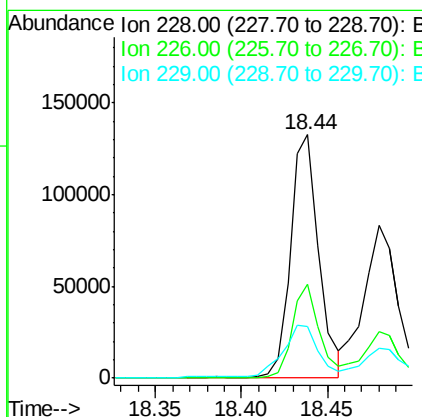
Manual Integrations
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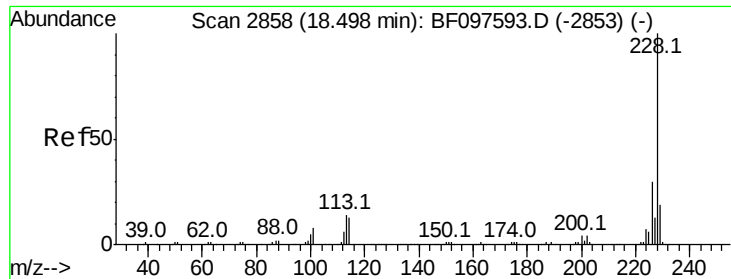
sohil
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#80
 Benzo(a)anthracene
 Concen: 13.589 ng m
 RT: 18.44 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.3	22.6	33.8#
229	21.3	16.3	24.5





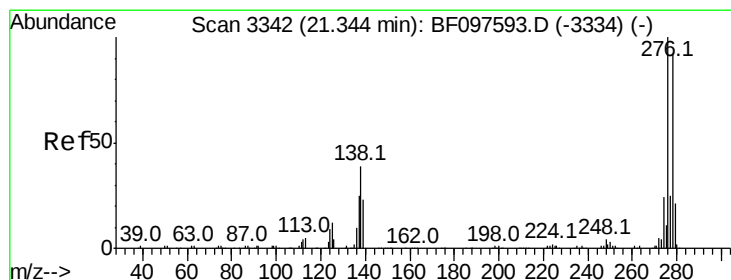
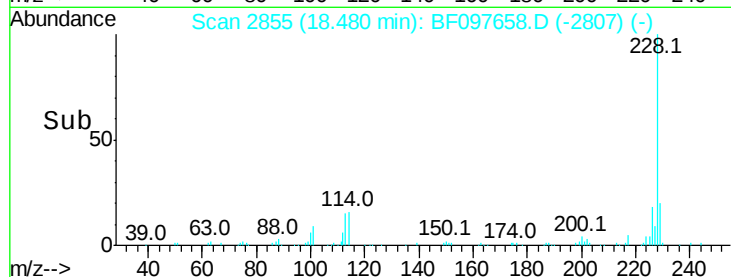
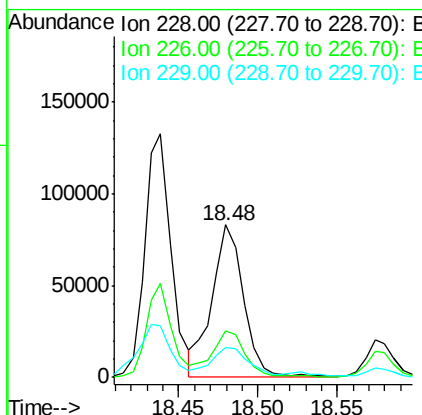
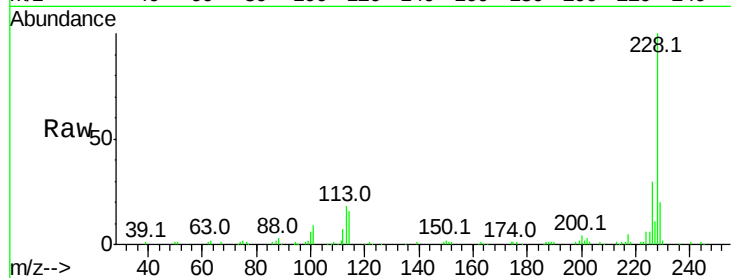
#82
Chrysene
Concen: 10.247 ng
RT: 18.48 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-4BDL

Tot Ion:	228	Resp:	115115
Ion Ratio		Lower	Upper
228	100		
226	30.5	24.9	37.3
229	19.8	15.8	23.6

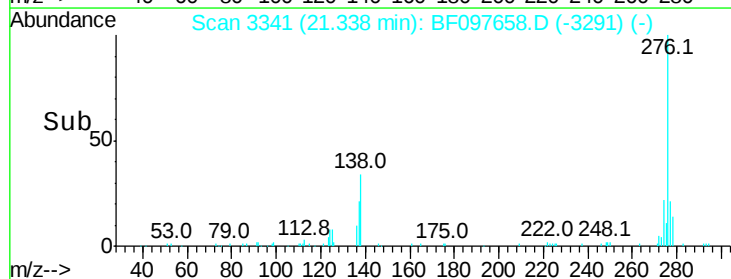
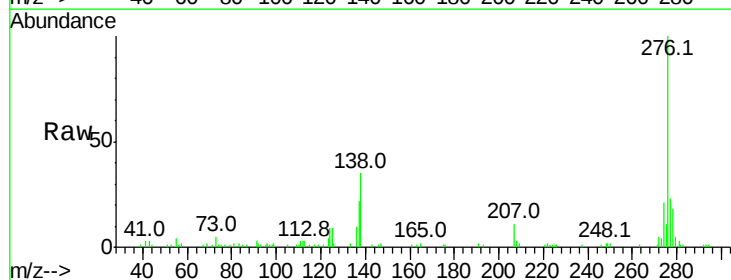
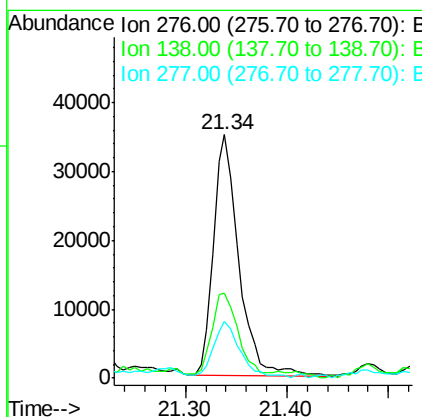
Manual Integrations
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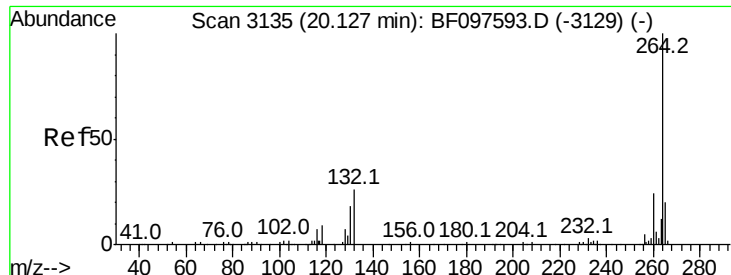
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.006 ng
RT: 21.34 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Tgt Ion:	276	Resp:	61217
Ion Ratio		Lower	Upper
276	100		
138	33.8	27.8	41.6
277	24.7	20.2	30.4





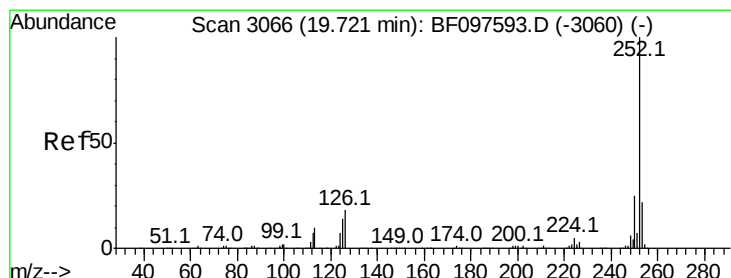
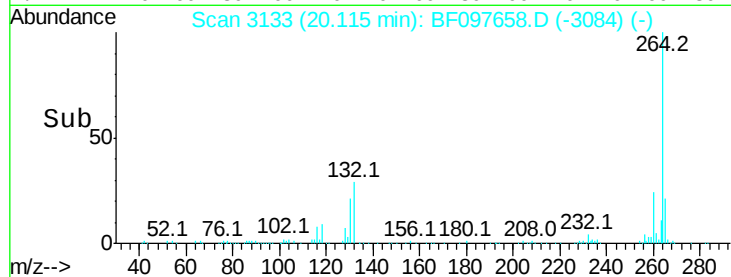
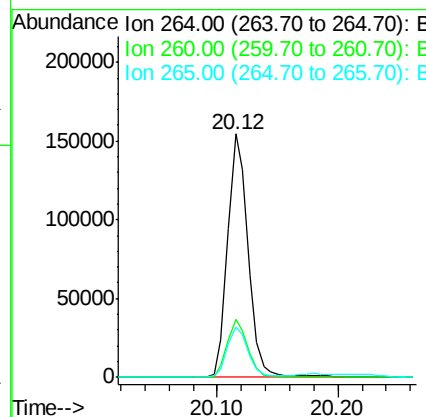
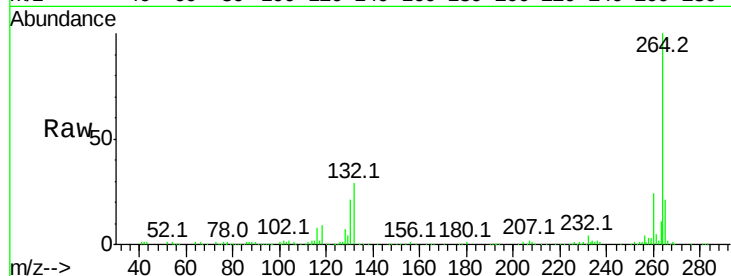
#86
Pervlene-d12
Concen: 20.000 ng
RT: 20.12 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Resp	Lower	Upper
264	100	181314		
260	23.6	19.5	29.3	
265	20.7	17.2	25.8	

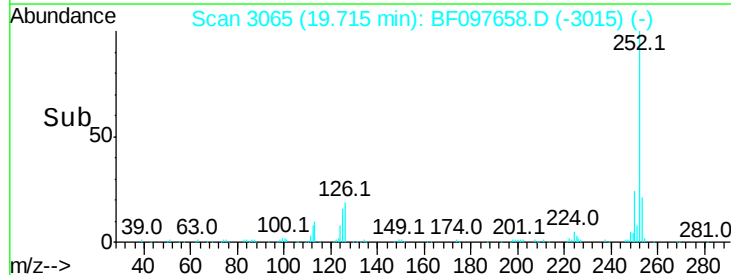
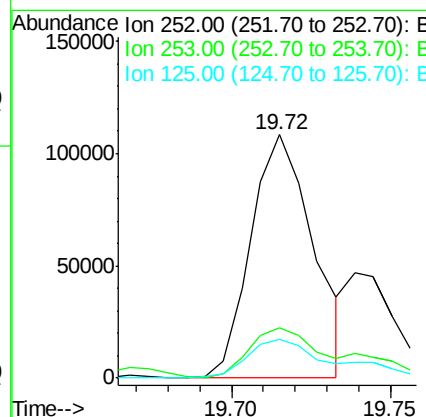
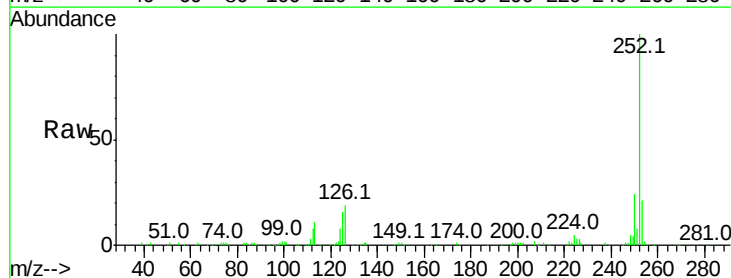
Manual Integrations
APPROVED

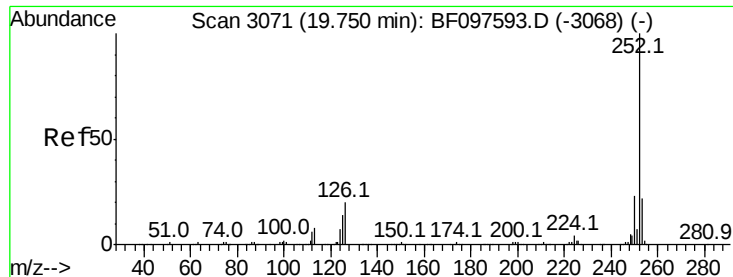
sohil
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#87
Benzo(b)fluoranthene
Concen: 13.594 ng m
RT: 19.72 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	148005		
253	20.6	18.1	27.1	
125	16.2	9.8	14.8#	





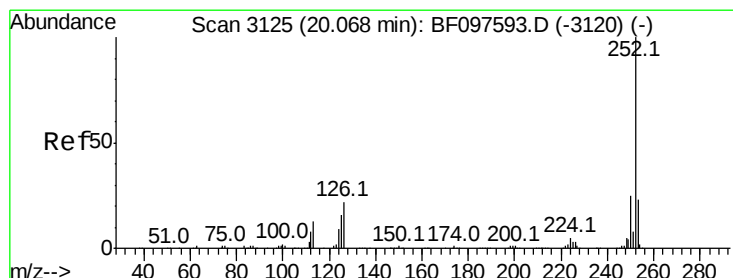
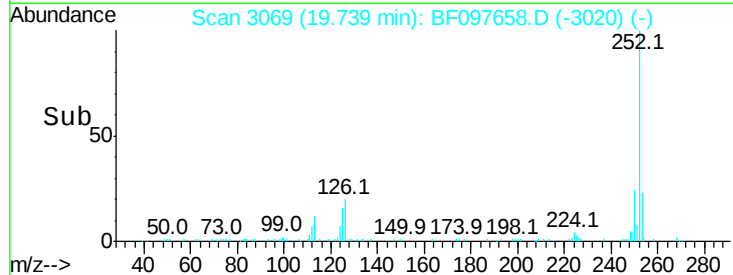
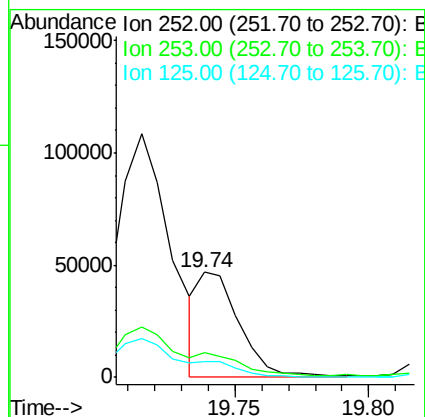
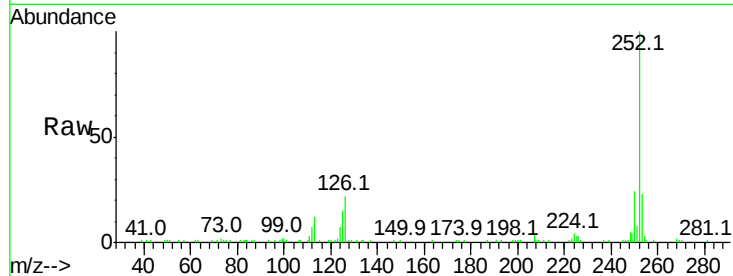
#88
Benzo(k)fluoranthene
Concen: 4.652 ng m
RT: 19.74 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	15.5	13.1	19.7

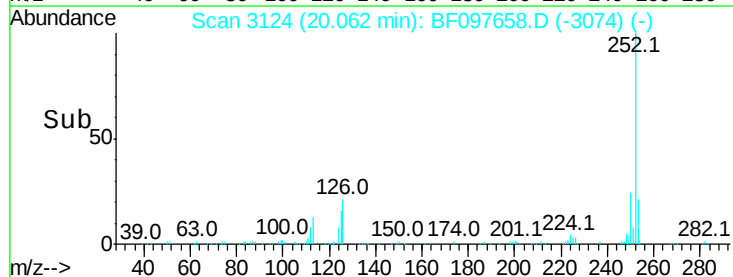
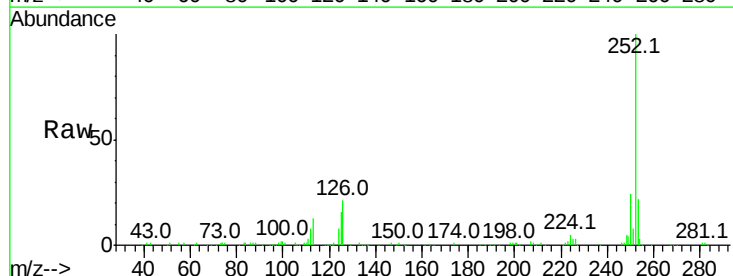
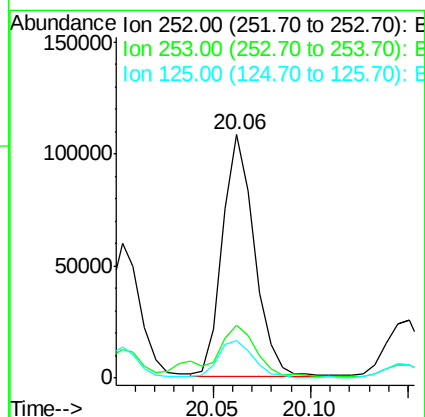
Manual Integrations
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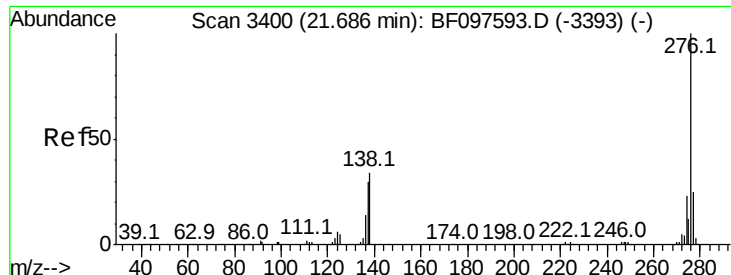
sohil
8/14/2017 7:07:22 PM



#89
Benzo(a)pyrene
Concen: 12.370 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097658.D
Acq: 13 Aug 2017 6:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	15.7	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.329 ng
 RT: 21.69 min Scan# 3400
 Delta R.T. 0.00 min
 Lab File: BF097658.D
 Acq: 13 Aug 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-4BDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.6	28.0
138	42.1	25.4	38.0

Manual Integrations
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