

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097609.D
 Acq On : 11 Aug 2017 22:57
 Operator : SJ/JU
 Sample : I4697-08 50X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 14 10:51:58 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	7.51	152	84270	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	351282	20.00	ng	0.00
38) Acenaphthene-d10	12.37	164	141090	20.00	ng	0.00
63) Phenanthrene-d10	14.77	188	202381	20.00	ng	0.00
75) Chrysene-d12	18.47	240	154182	20.00	ng	0.00
86) Perylene-d12	20.13	264	175692	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	7083m	1.34	ng	0.17
7) Phenol-d6	7.19	99	12603m	1.92	ng	0.13
23) Nitrobenzene-d5	8.47	82	7105m	1.27	ng	0.05
41) 2,4,6-Tribromophenol	13.67	330	1213	1.13	ng	0.01
44) 2-Fluorobiphenyl	11.32	172	13166	1.41	ng	0.00
78) Terphenyl-d14	17.12	244	7670	1.03	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	9.59	128	2954377	167.909	ng	99
37) 2-Methylnaphthalene	10.70	142	611101	55.199	ng	98
45) 1,1'-Biphenyl	11.46	154	245589	20.289	ng	95
48) Acenaphthylene	12.13	152	176004	11.912	ng	98
51) Acenaphthene	12.43	154	853429	96.381	ng	98
54) Dibenzofuran	12.71	168	739543	59.659	ng	99
57) Fluorene	13.26	166	705895	69.243	ng	99
70) Phenanthrene	14.83	178	2591113	222.292	ng	100
71) Anthracene	14.90	178	810018	67.919	ng	99
72) Carbazole	15.18	167	250494	22.063	ng	98
74) Fluoranthene	16.58	202	1723329	163.615	ng	98
77) Pvrene	16.89	202	1434317	112.494	ng	100
80) Benzo(a)anthracene	18.46	228	666449	74.009	ng	94
82) Chrysene	18.50	228	466114	52.041	ng	96
85) Indeno(1,2,3-cd)pyrene	21.36	276	338598	48.606	ng	95
87) Benzo(b)fluoranthene	19.73	252	607391m	57.573	ng	
88) Benzo(k)fluoranthene	19.76	252	249888m	23.518	ng	
89) Benzo(a)pyrene	20.08	252	580551	59.953	ng	96
90) Dibenzo(a,h)anthracene	21.36	278	63386	9.142	ng	# 76
91) Benzo(a,h,i)perylene	21.71	276	326693	42.953	ng	97

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

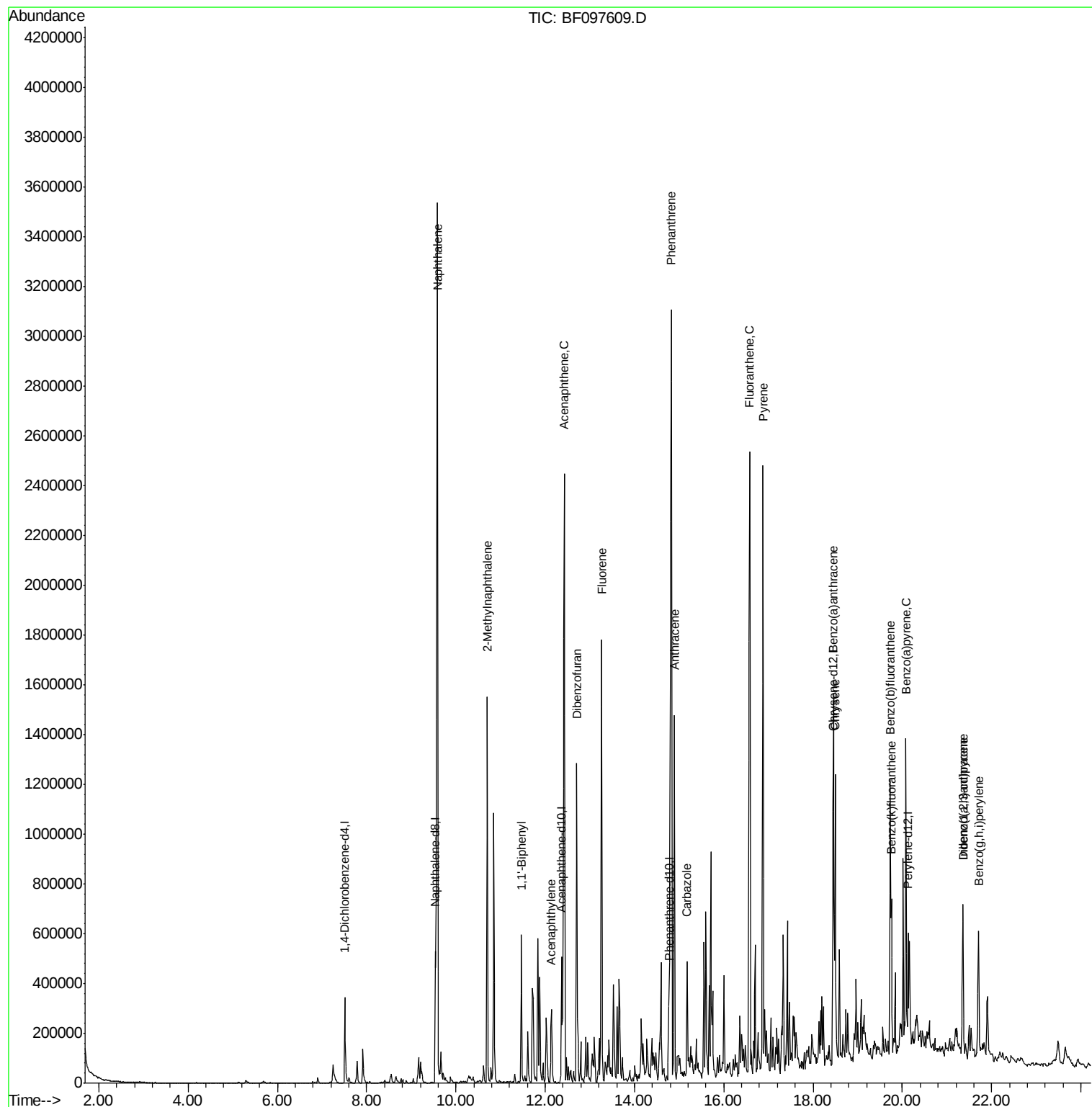
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097609.D
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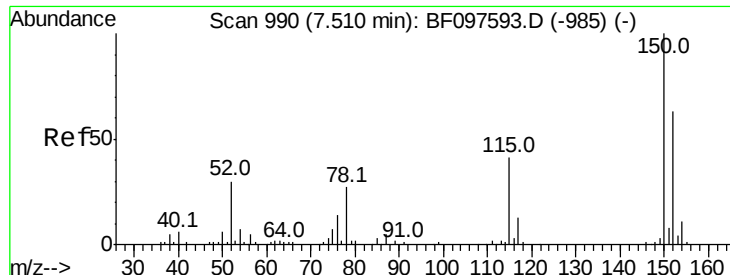
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-4B

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Quant Time: Aug 14 10:51:58 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

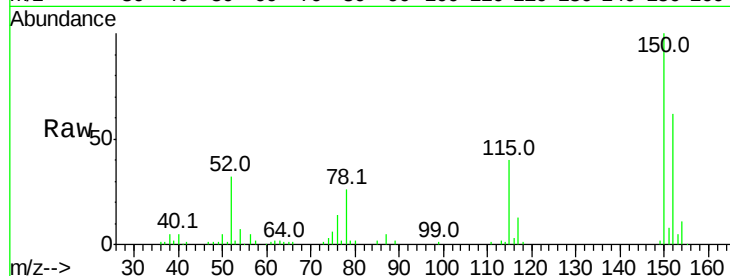
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.51 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	126.2	189.2
115	64.4	52.2	78.2

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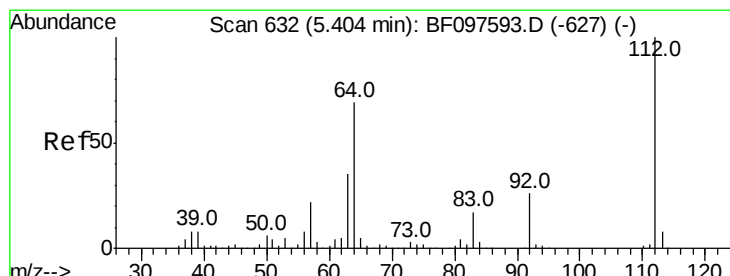
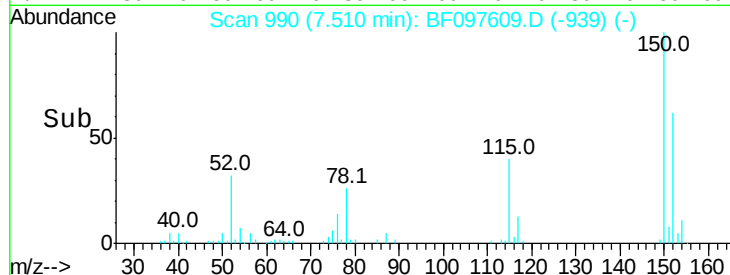
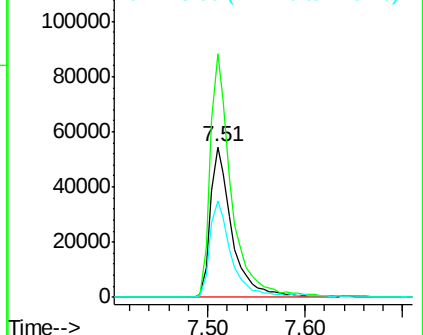


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

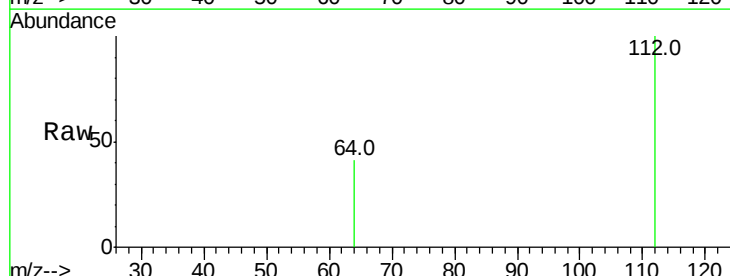
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.336 ng m
RT: 5.57 min Scan# 661
Delta R.T. 0.17 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.8	46.0	69.0#
63	0.0	23.4	35.0#

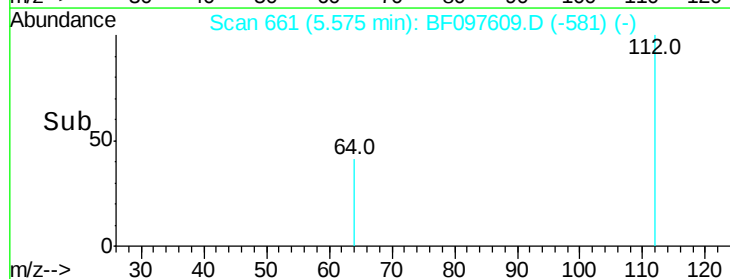
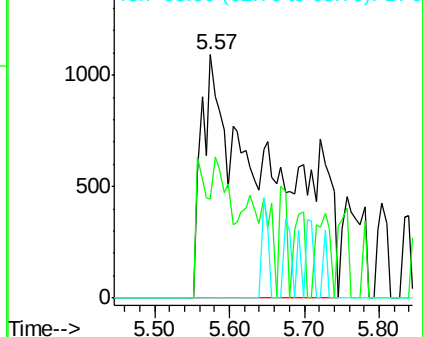


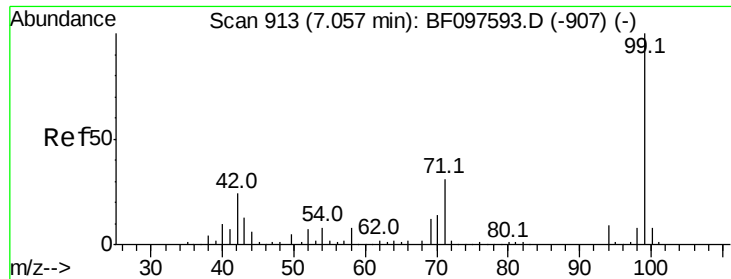
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

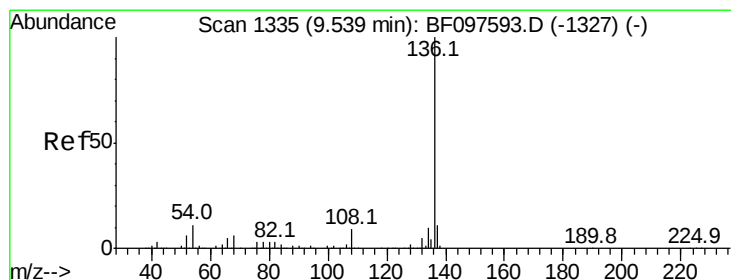
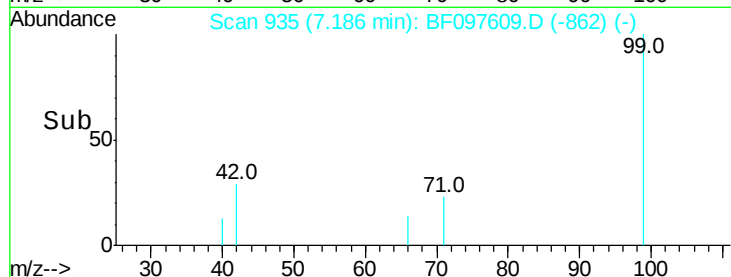
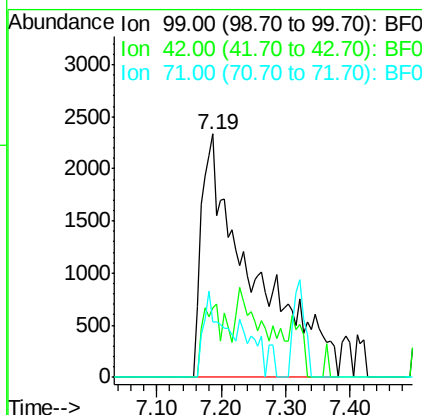
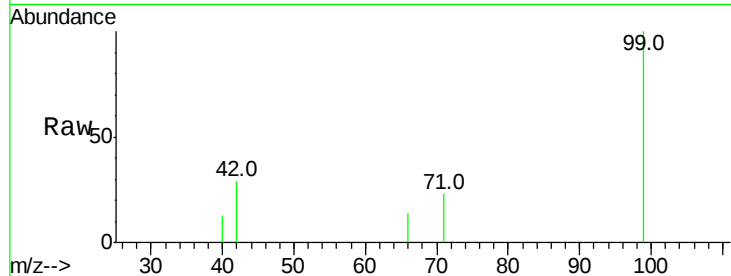
Concen: 1.916 ng/mL
 RT: 7.19 min Scan# 935
 Delta R.T. 0.13 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		12603		
42	28.7	13.5	20.3#		
71	22.5	24.5	36.7#		

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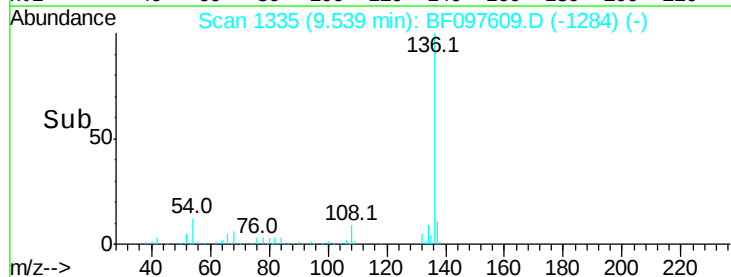
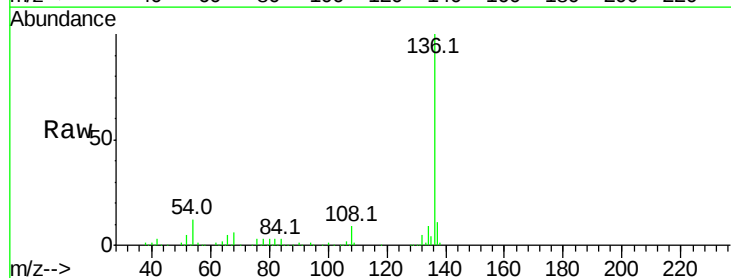
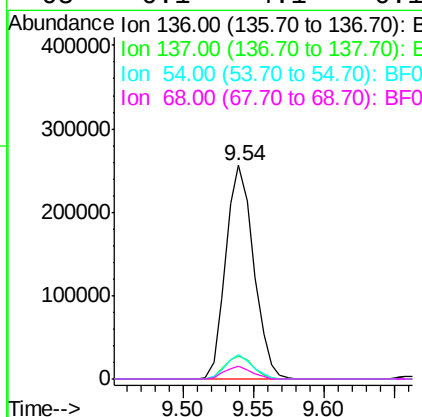


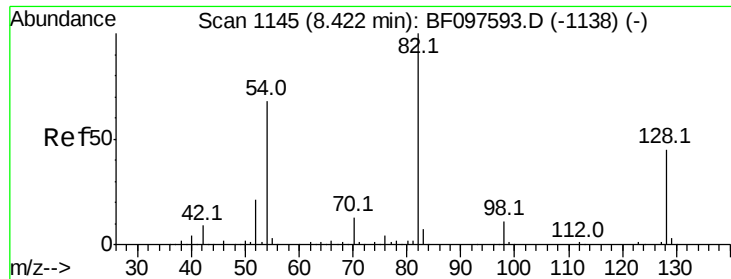
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 9.54 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		351282		
137	10.7	8.5	12.7		
54	11.7	4.9	7.3#		
68	6.1	4.1	6.1		





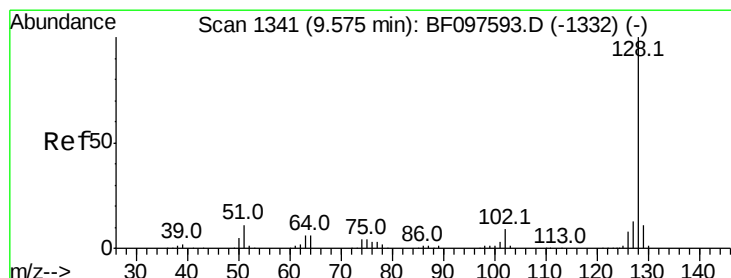
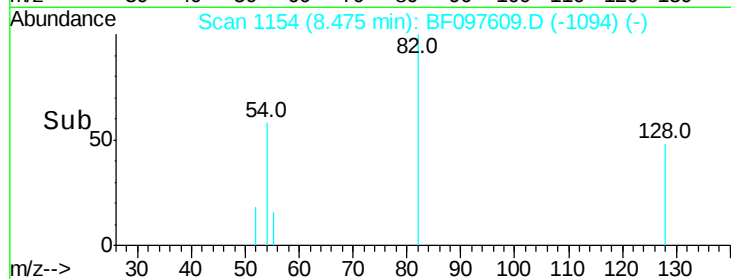
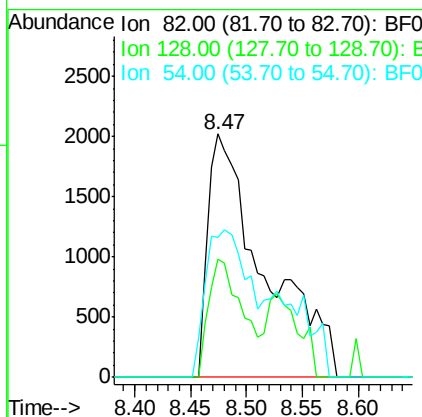
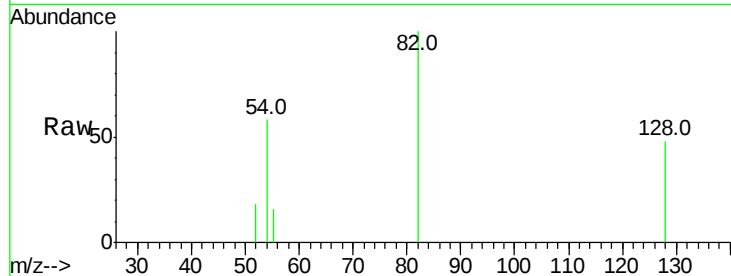
#23
 Nitrobenzene-d5
 Concen: 1.268 ng/ml
 RT: 8.47 min Scan# 1154
 Delta R.T. 0.05 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	34.0	51.0
54	57.7	42.2	63.2

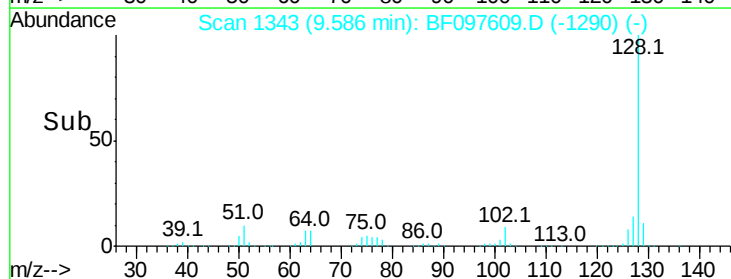
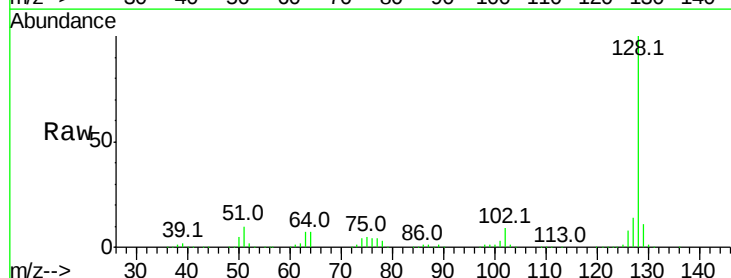
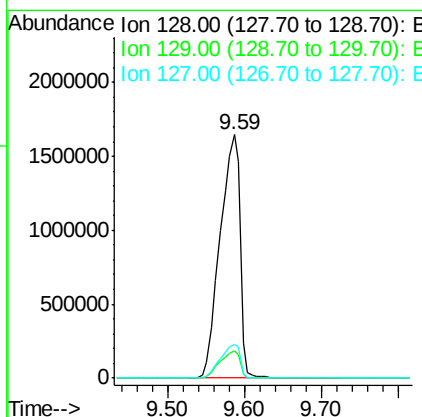
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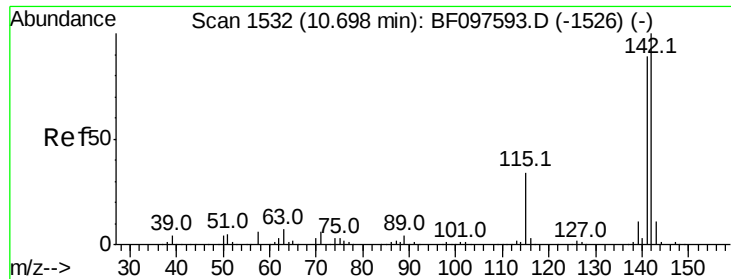
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#31
 Naphthalene
 Concen: 167.909 ng
 RT: 9.59 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	14.1	10.8	16.2





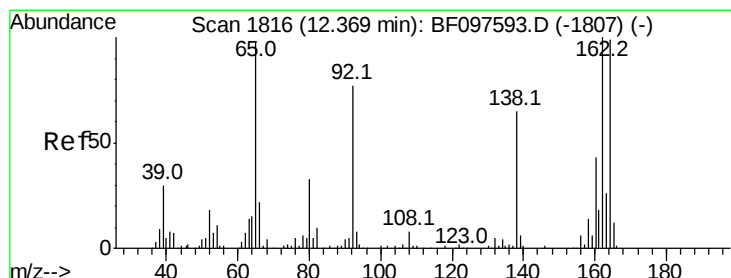
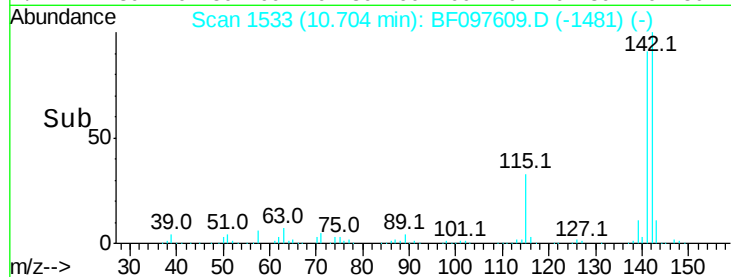
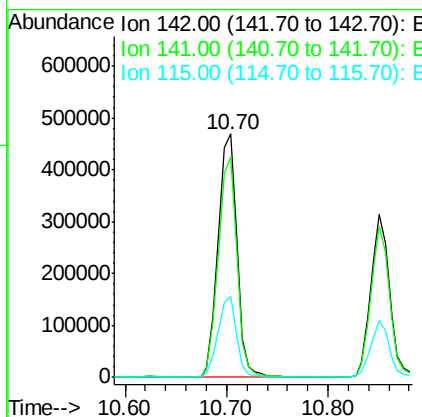
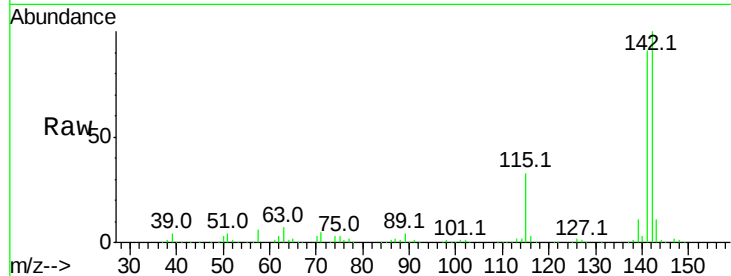
#37
2-Methylnaphthalene
Concen: 55.199 ng
RT: 10.70 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.3	106.9
115	33.2	27.1	40.7

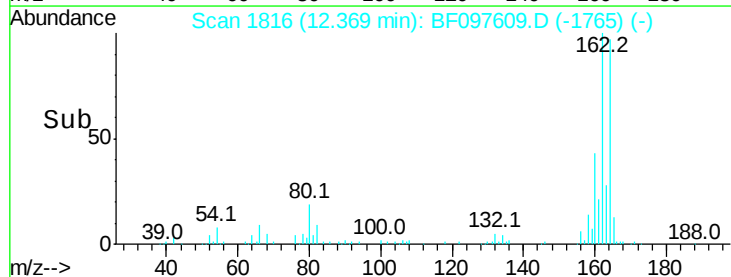
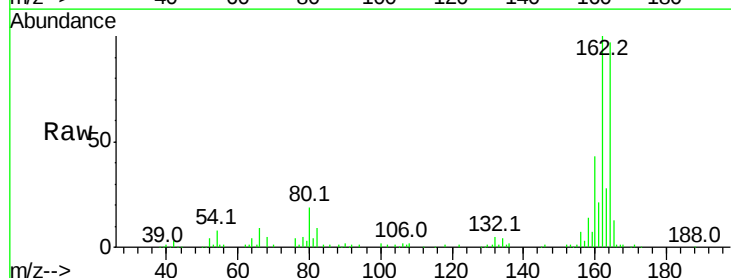
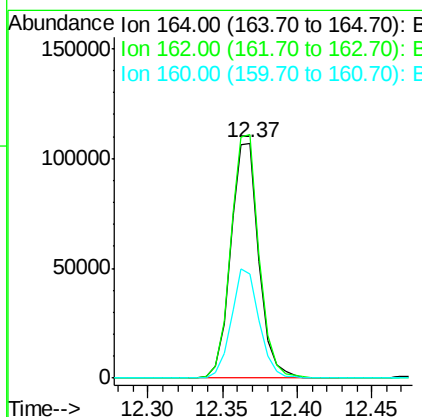
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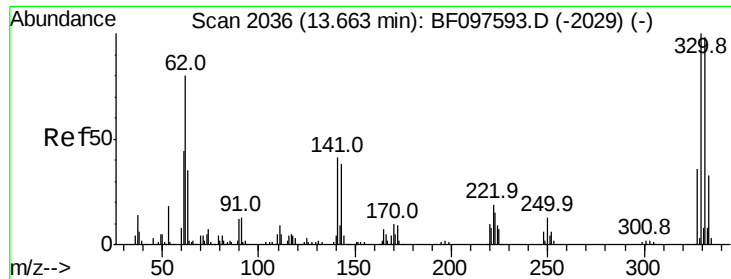
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.37 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	44.5	36.2	54.2





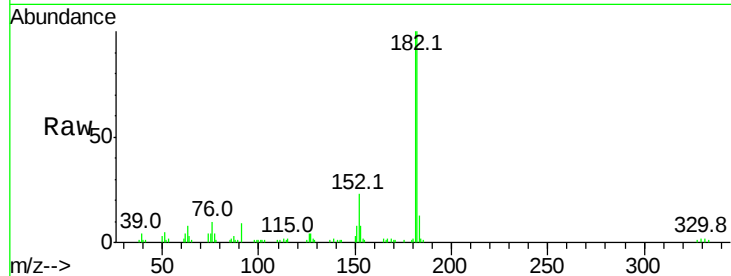
#41
 2,4,6-Tribromophenol
 Concen: 1.131 ng
 RT: 13.67 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

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

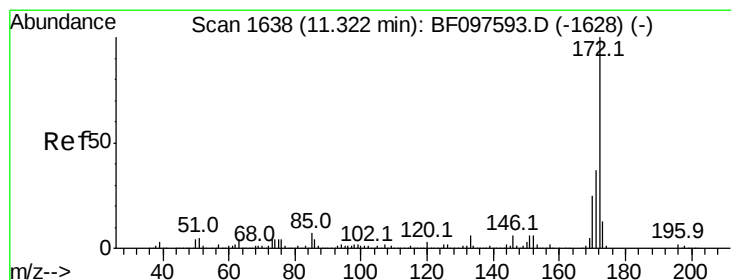
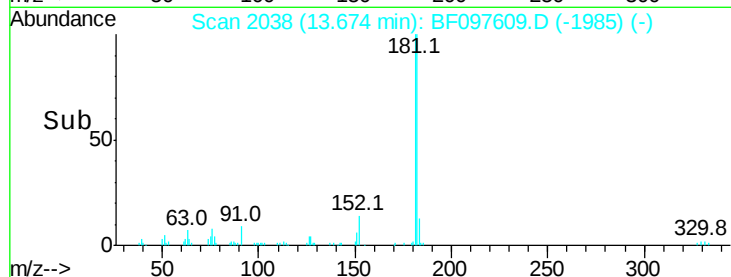
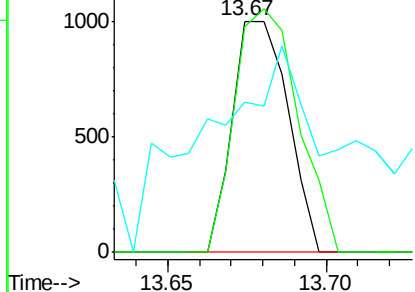
Tot Ion	Ratio	Lower	Upper
330	100		
332	121.0	76.6	115.0#
141	224.3	31.4	47.2#

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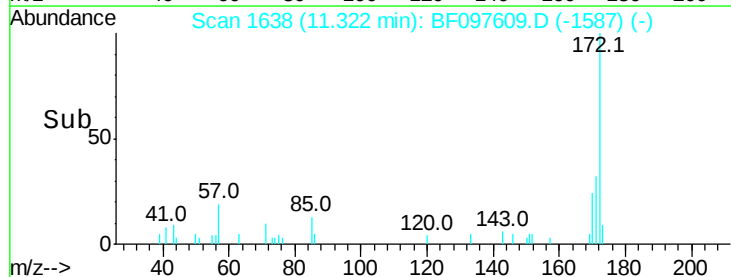
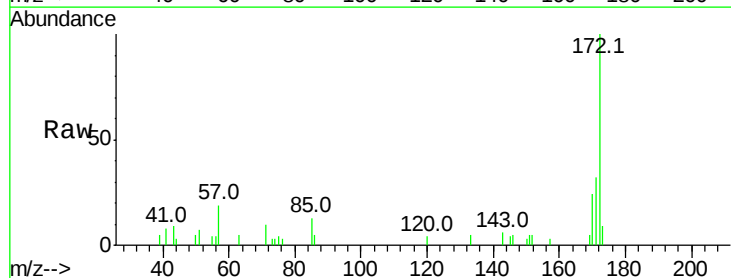
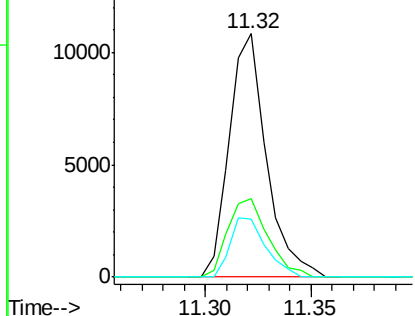
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

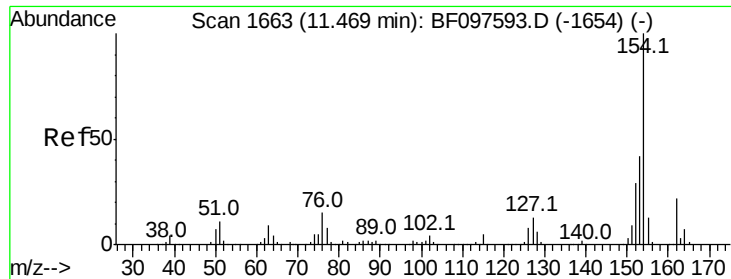


#44
 2-Fluorobiphenyl
 Concen: 1.408 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.2	29.6	44.4
170	23.7	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





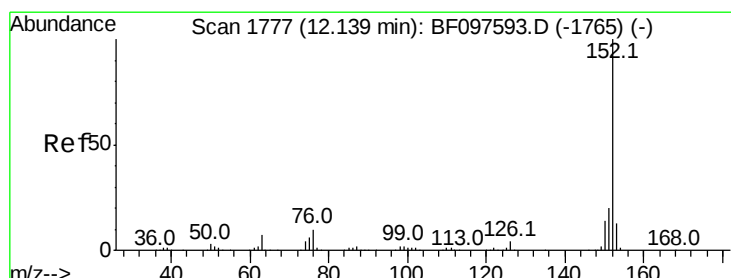
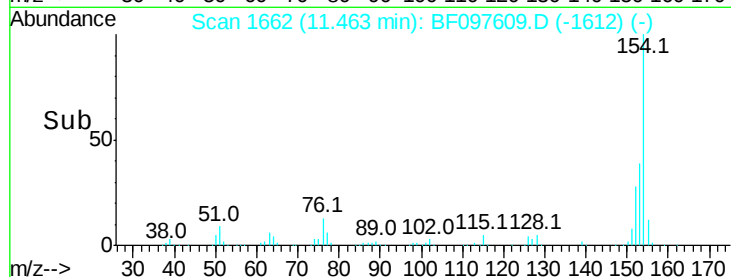
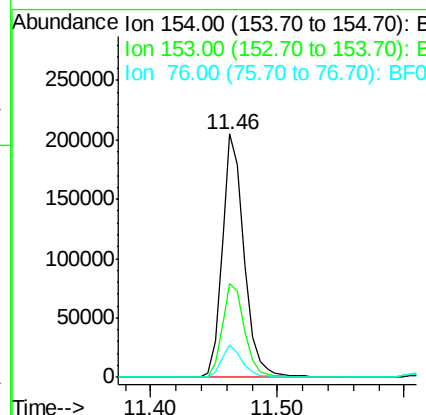
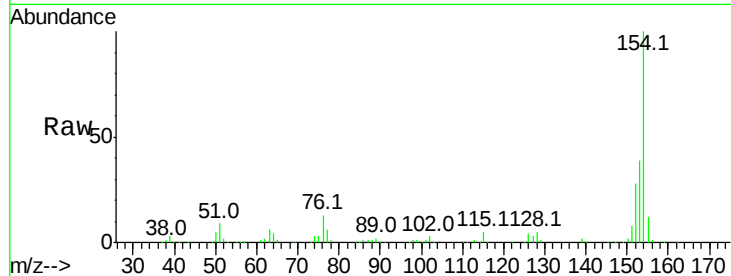
#45
1,1'-Biphenyl
Concen: 20.289 ng
RT: 11.46 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

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

Tot Ion	Ratio	Resp	Lower	Upper
154	100	245589		
153	38.8	21.2	61.2	
76	13.2	0.0	29.9	

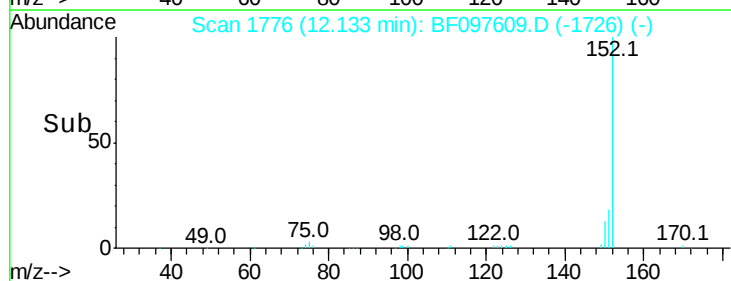
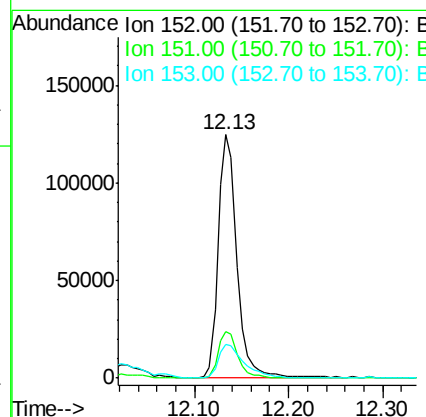
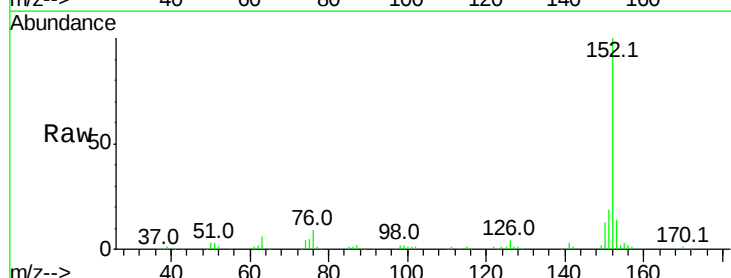
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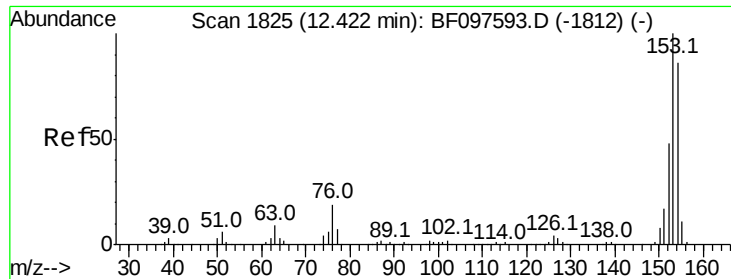
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#48
Acenaphthylene
Concen: 11.912 ng
RT: 12.13 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	176004		
151	19.4	16.8	25.2	
153	13.7	10.8	16.2	





#51

Acenaphthene

Concen: 96.381 ng

RT: 12.43 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF097609.D

Acq: 11 Aug 2017 22:57

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-4B

Tot Ion:154 Resp: 853429

Ion Ratio Lower Upper

154 100

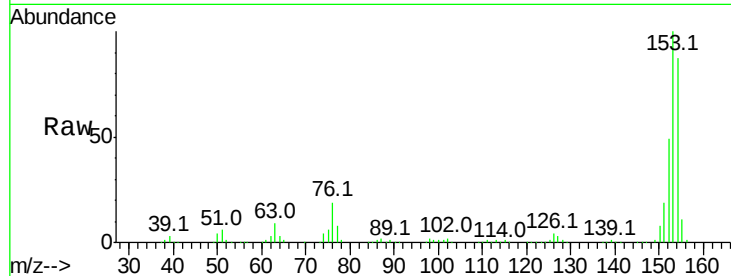
153 115.0 90.5 135.7

152 56.0 43.6 65.4

Manual Integrations
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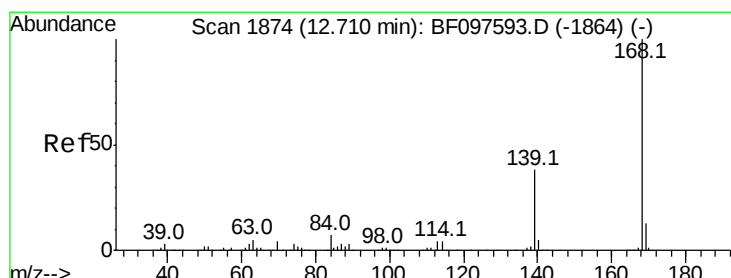
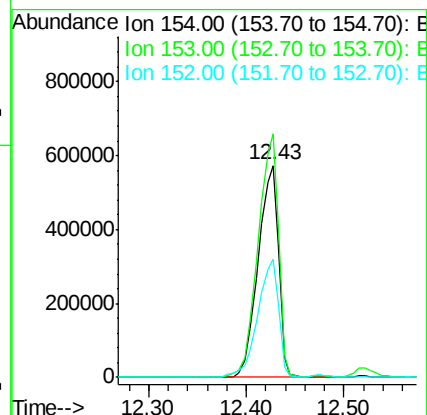
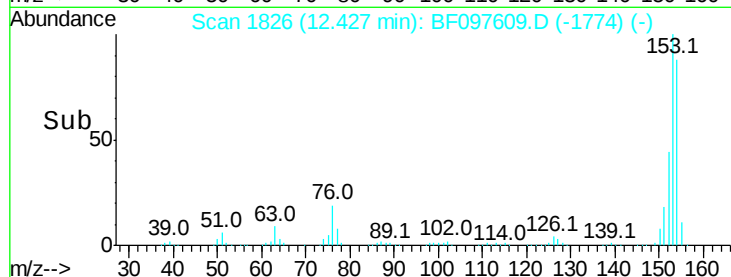
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 59.659 ng

RT: 12.71 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BF097609.D

Acq: 11 Aug 2017 22:57

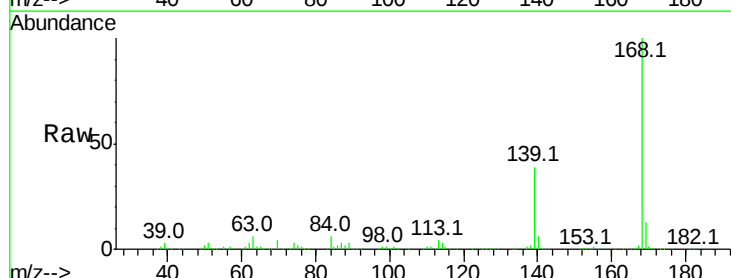
Tgt Ion:168 Resp: 739543

Ion Ratio Lower Upper

168 100

139 39.0 30.6 45.8

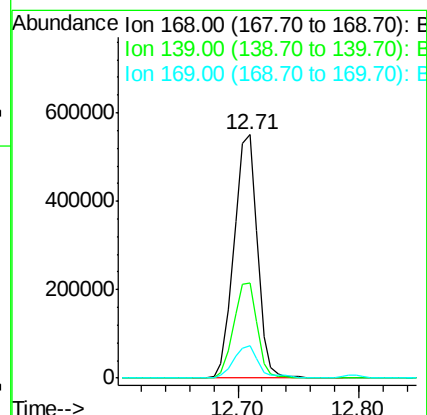
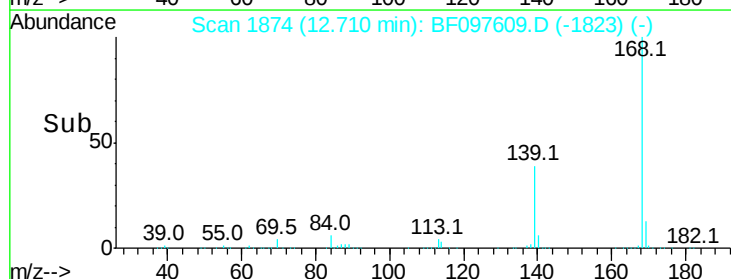
169 13.3 10.8 16.2

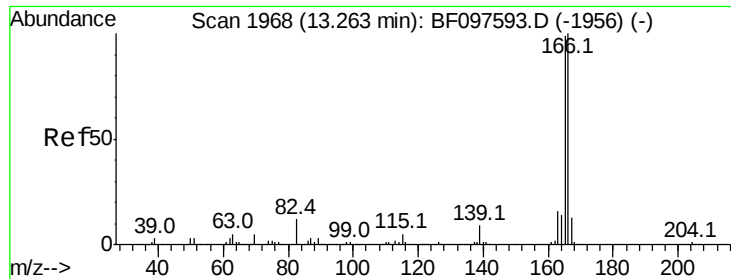


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





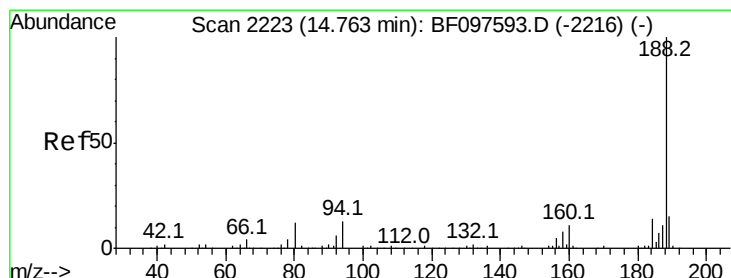
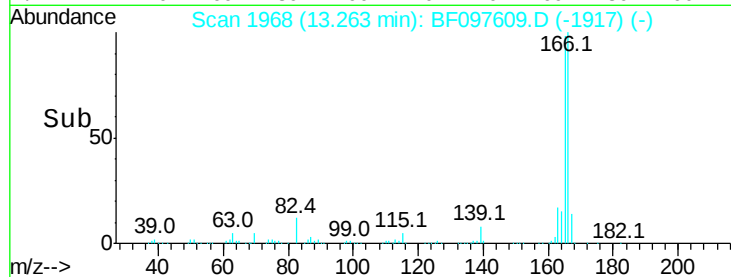
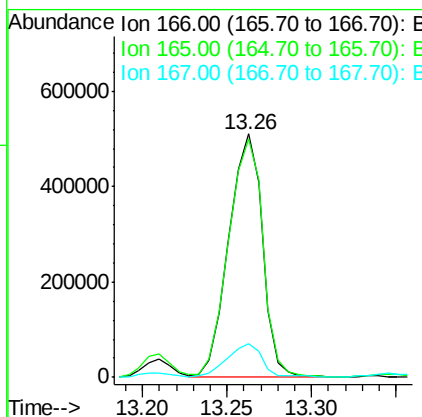
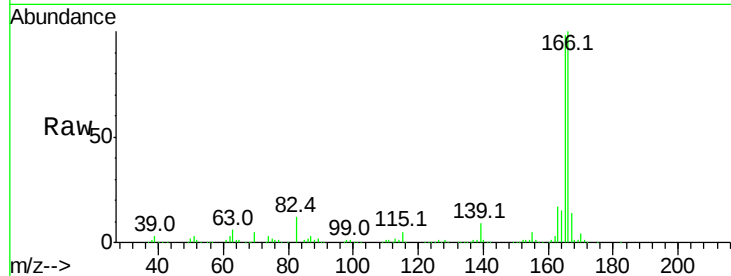
#57
Fluorene
 Concen: 69.243 ng
 RT: 13.26 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.8	118.2
167	13.9	10.6	16.0

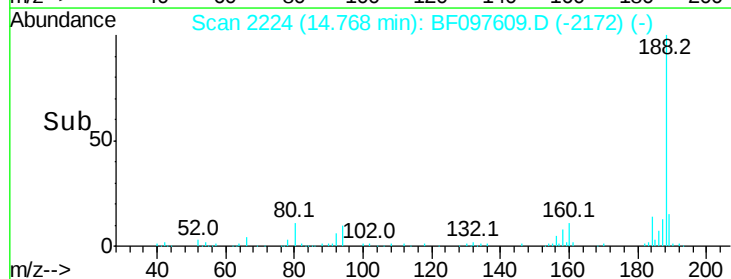
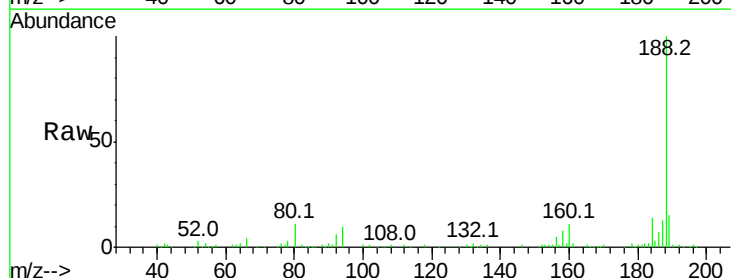
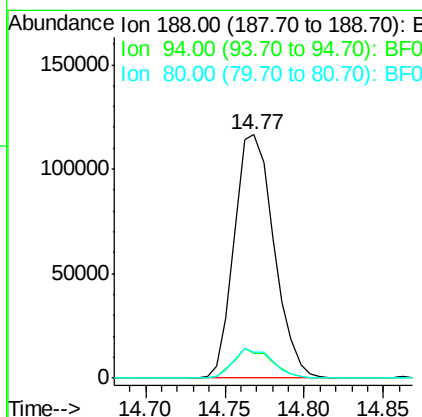
Manual Integrations
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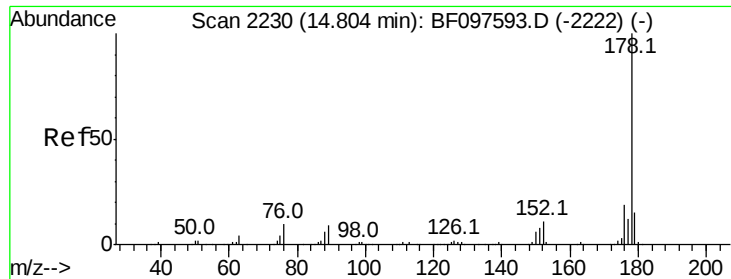
sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	10.8	10.2	15.2





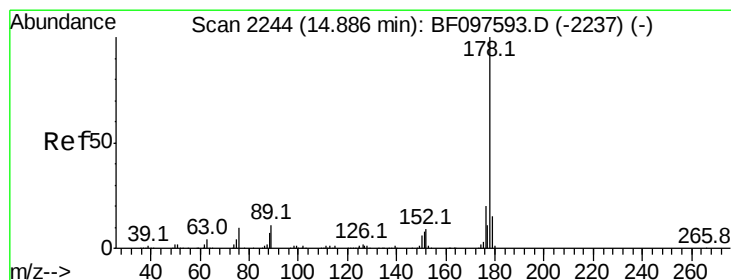
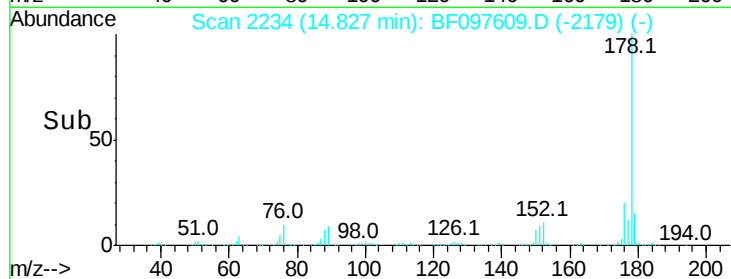
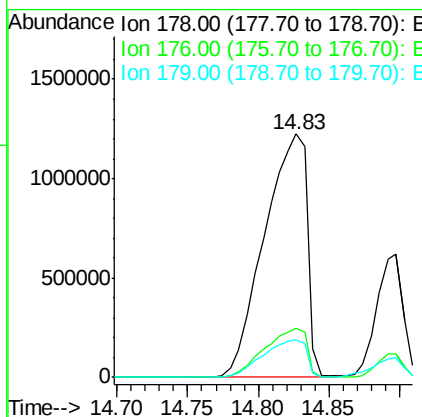
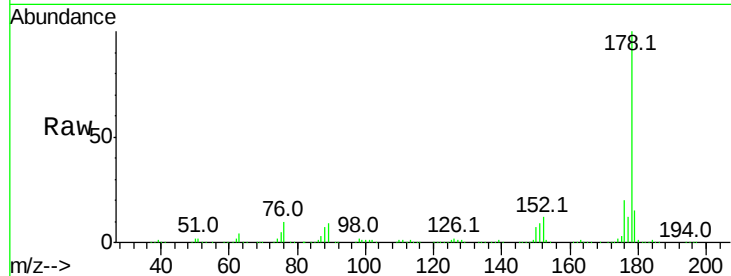
#70
Phenanthrene
Concen: 222.292 ng
RT: 14.83 min Scan# 2234
Delta R.T. 0.02 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

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

Tot Ion:178 Resp: 2591113
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.4
179 15.4 12.6 19.0

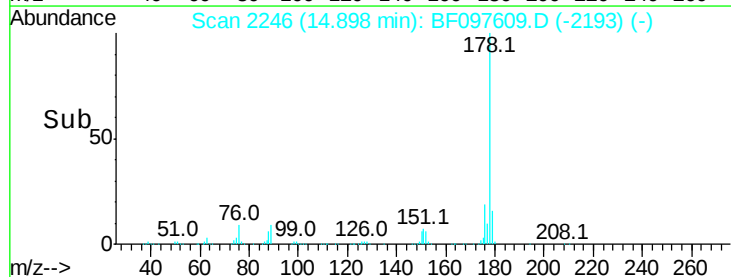
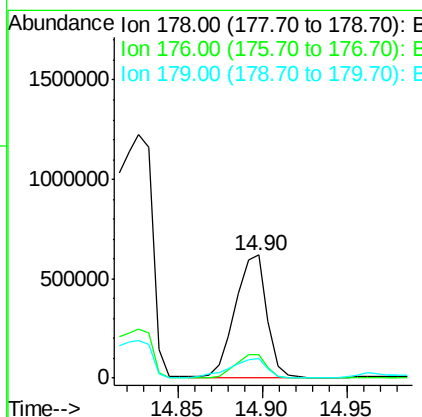
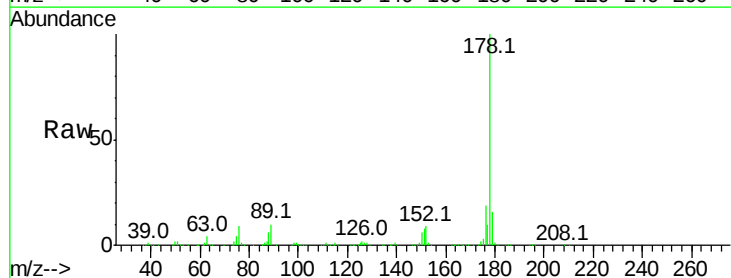
Manual Integrations
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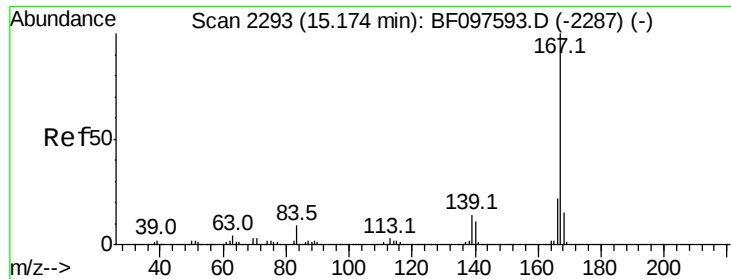
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#71
Anthracene
Concen: 67.919 ng
RT: 14.90 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

Tgt Ion:178 Resp: 810018
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.8 12.7 19.1





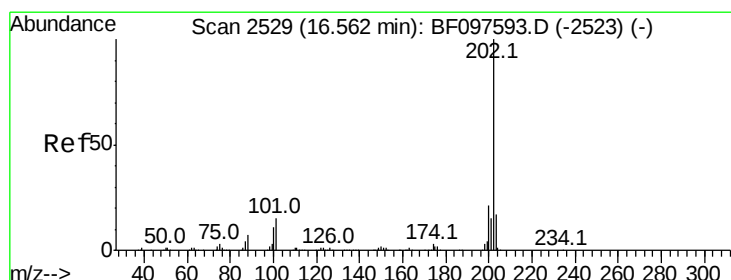
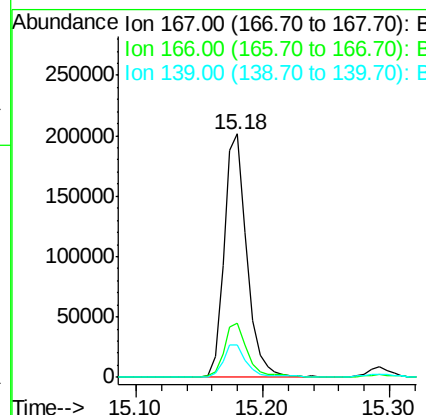
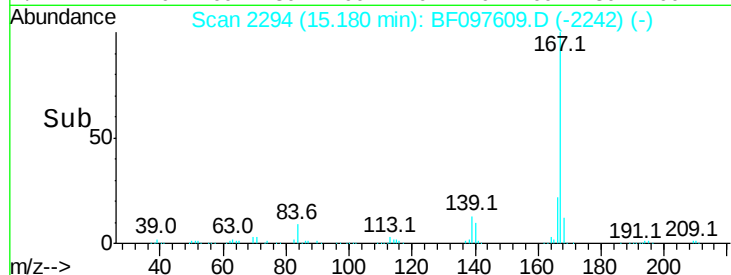
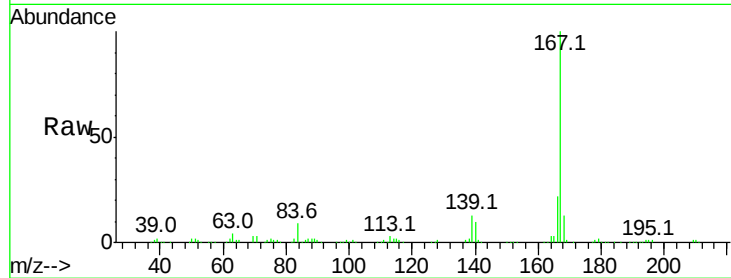
#72
 Carbazole
 Concen: 22.063 ng
 RT: 15.18 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

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

Tot Ion	Ratio	Resp	Lower	Upper
167	100	250494		
166	22.0	18.1	27.1	
139	13.5	11.7	17.5	

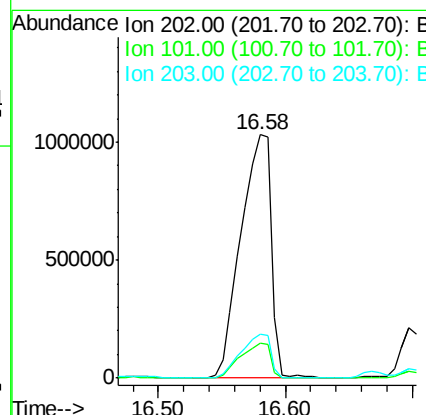
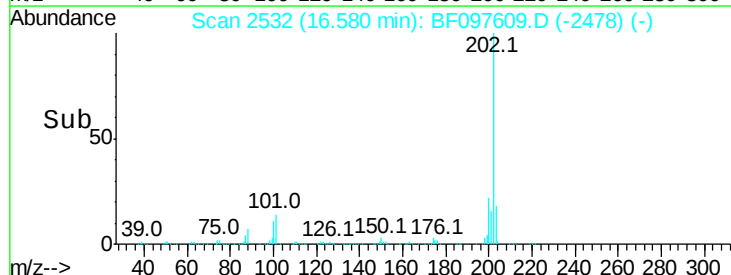
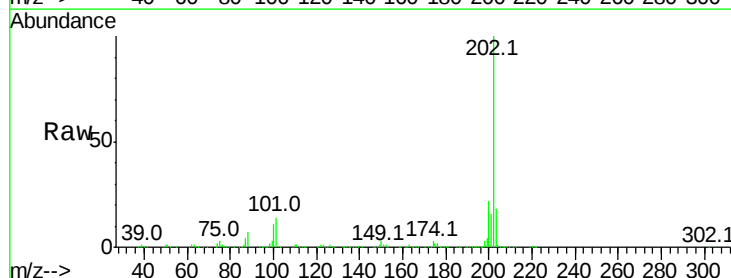
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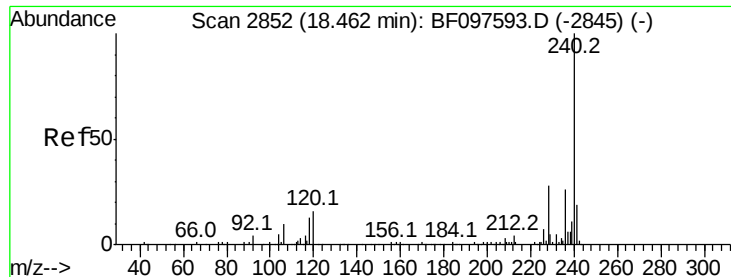
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#74
 Fluoranthene
 Concen: 163.615 ng
 RT: 16.58 min Scan# 2532
 Delta R.T. 0.02 min
 Lab File: BF097609.D
 Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1723329		
101	14.5	0.0	33.2	
203	17.8	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.47 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BF097609.D

Acq: 11 Aug 2017 22:57

Instrument :

BNA_F

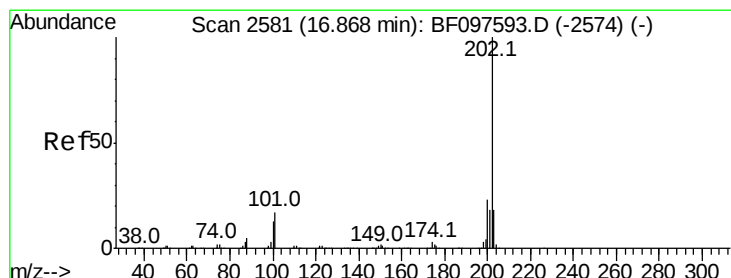
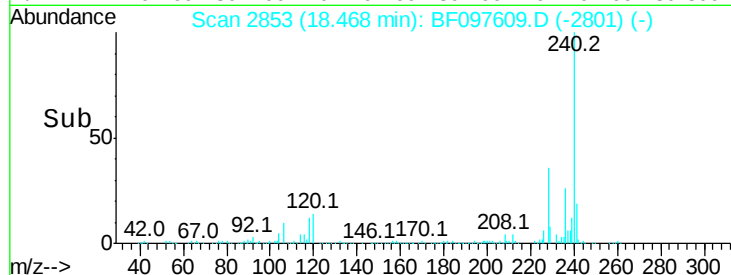
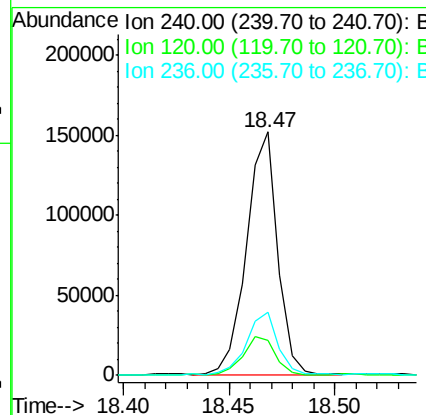
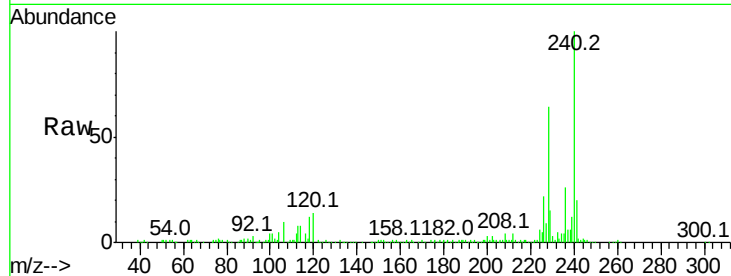
ClientSampleId :

NYSEG-PH4-ESMI-4B

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	26.1	20.5	30.7

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#77

Pyrene

Concen: 112.494 ng

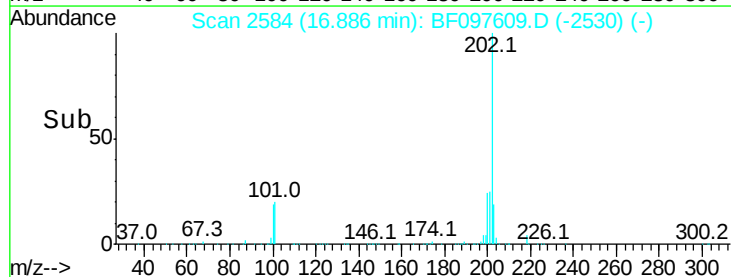
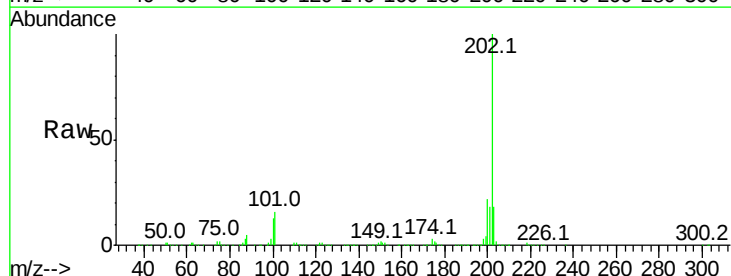
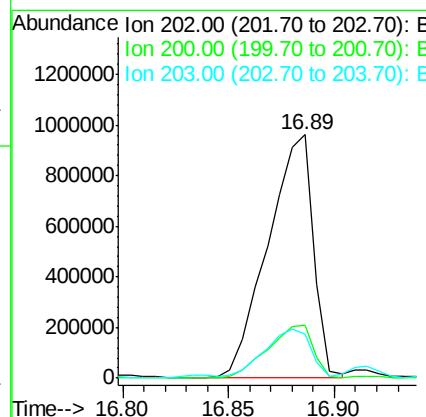
RT: 16.89 min Scan# 2584

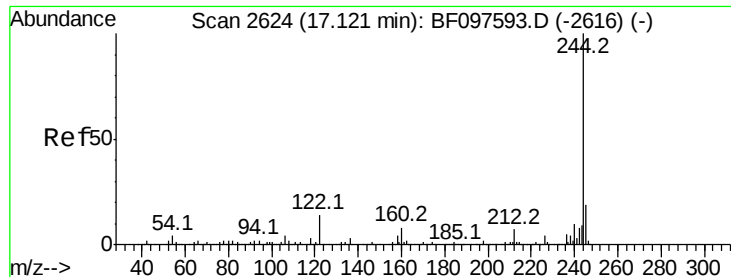
Delta R.T. 0.02 min

Lab File: BF097609.D

Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.0	14.4	21.6





#78

Terphenyl-d14

Concen: 1.030 ng

RT: 17.12 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF097609.D

Acq: 11 Aug 2017 22:57

Instrument :

BNA_F

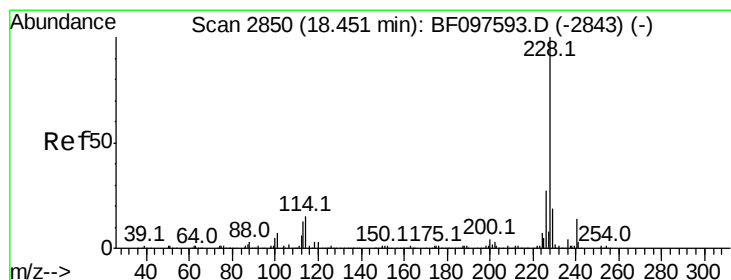
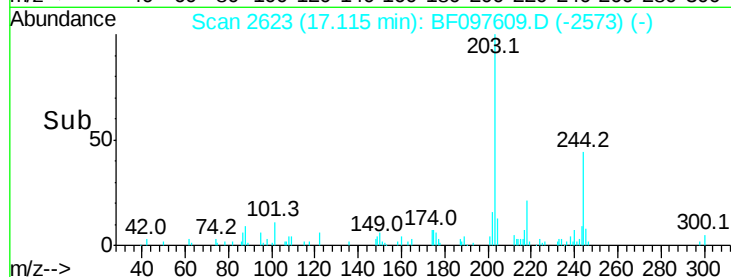
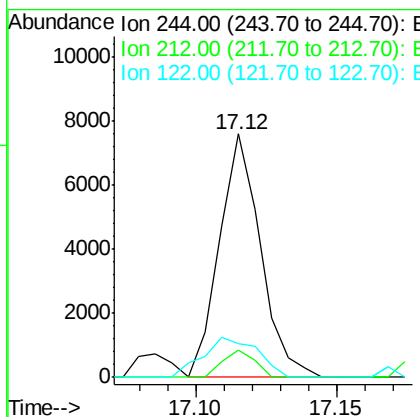
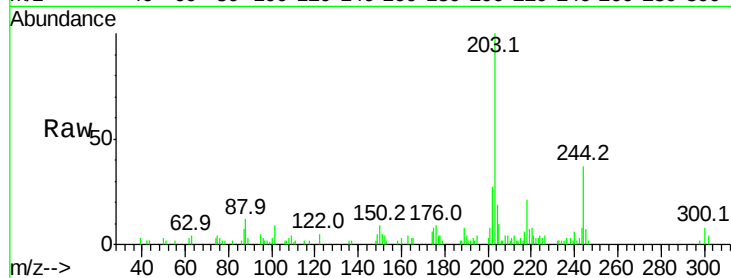
ClientSampleId :

NYSEG-PH4-ESMI-4B

Tot Ion	Ratio	Lower	Upper
244	100		
212	11.3	6.0	9.0#
122	13.8	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 74.009 ng

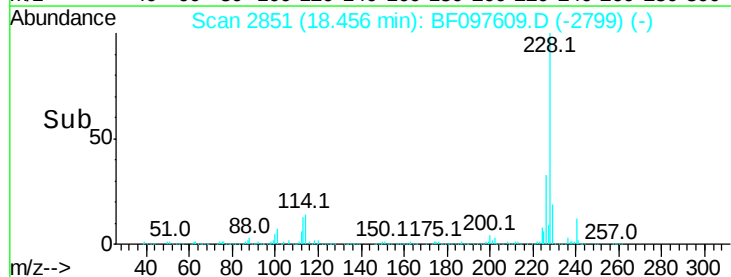
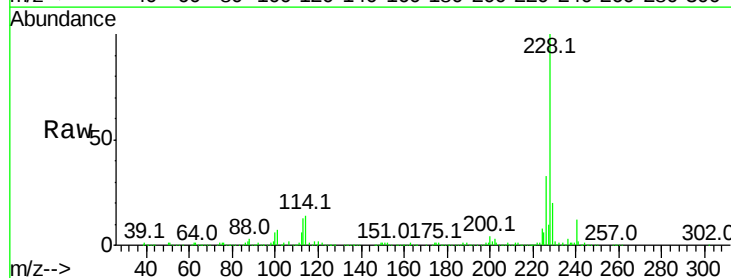
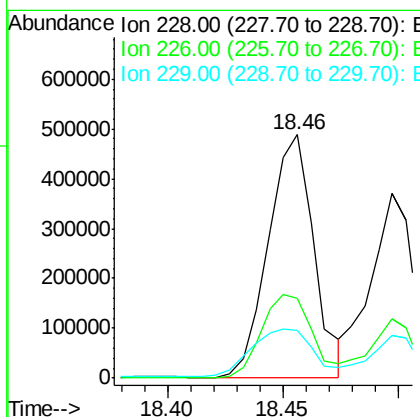
RT: 18.46 min Scan# 2851

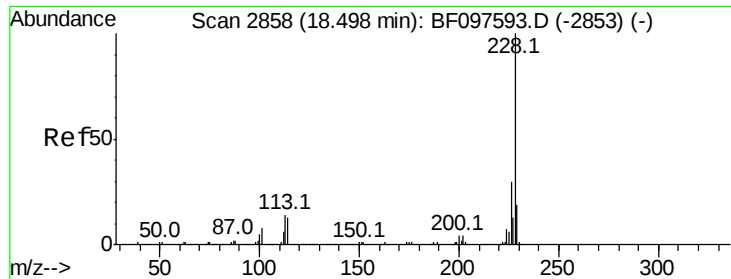
Delta R.T. 0.01 min

Lab File: BF097609.D

Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.6	33.8
229	19.7	16.3	24.5





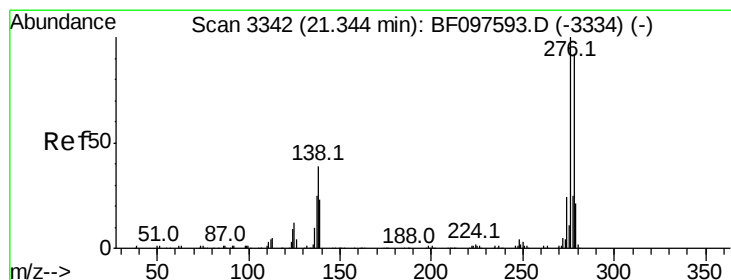
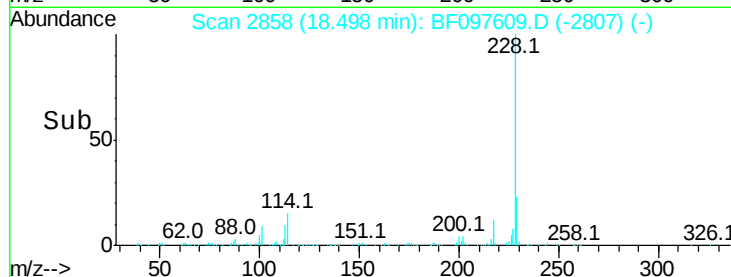
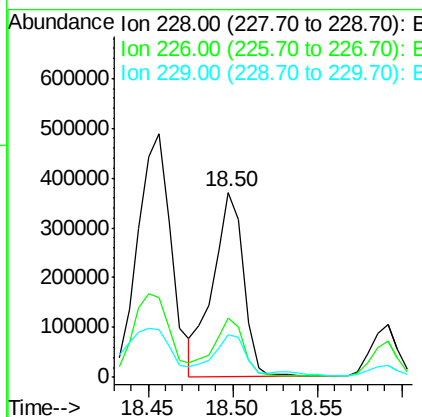
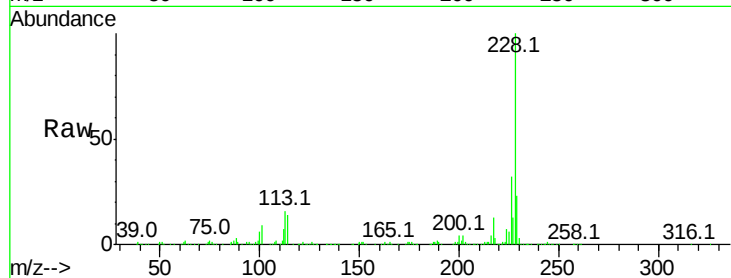
#82
Chrysene
Concen: 52.041 ng
RT: 18.50 min Scan# 2858
Delta R.T. -0.00 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	23.2	15.8	23.6

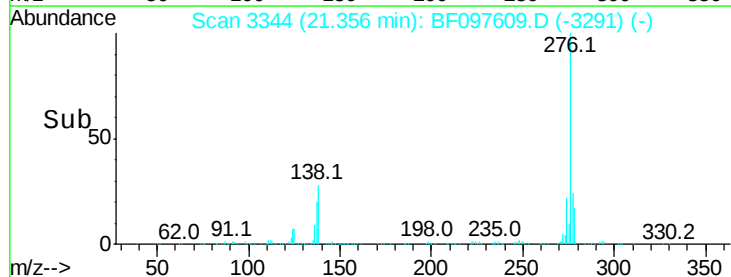
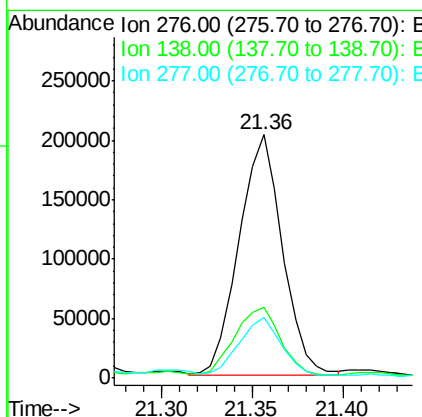
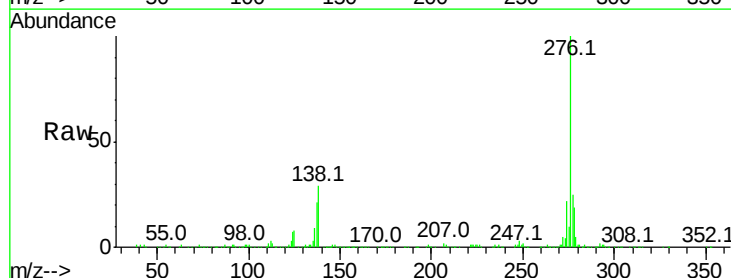
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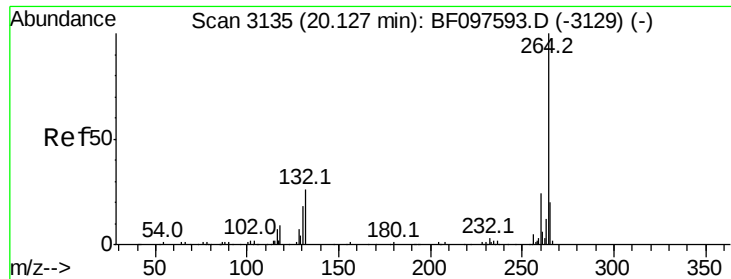
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#85
Indeno(1,2,3-cd)pyrene
Concen: 48.606 ng
RT: 21.36 min Scan# 3344
Delta R.T. 0.01 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.1	27.8	41.6
277	24.0	20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 20.13 min Scan# 3136

Delta R.T. 0.01 min

Lab File: BF097609.D

Acq: 11 Aug 2017 22:57

Instrument :

BNA_F

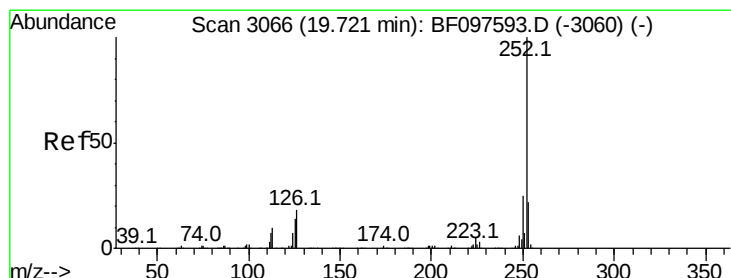
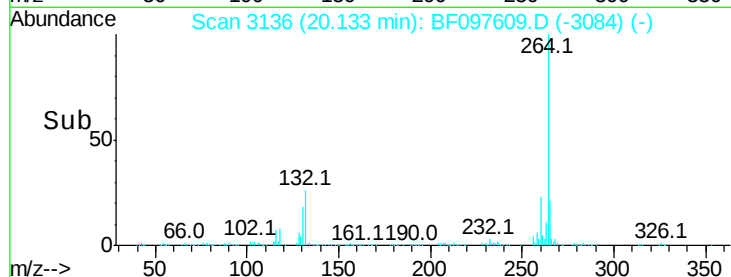
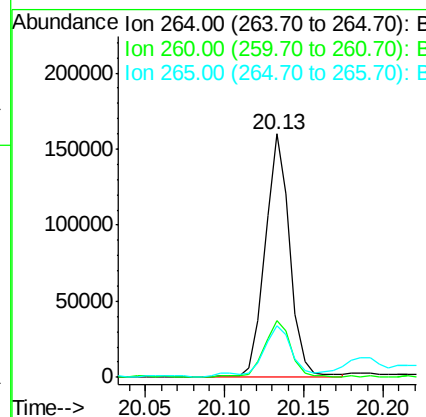
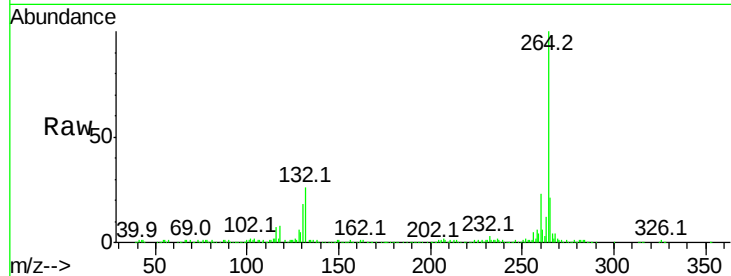
ClientSampleId :

NYSEG-PH4-ESMI-4B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.4	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 57.573 ng m

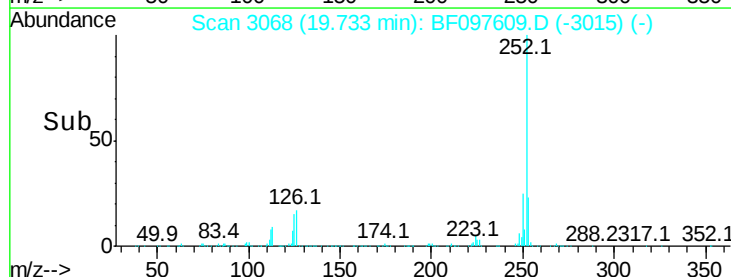
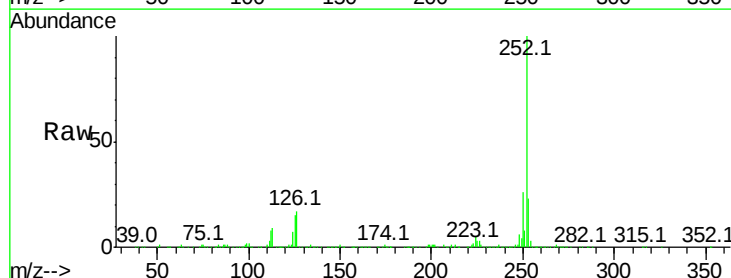
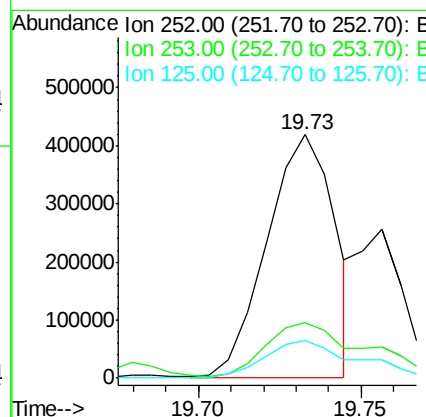
RT: 19.73 min Scan# 3068

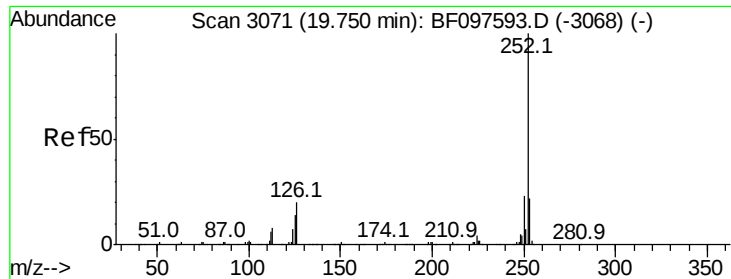
Delta R.T. 0.01 min

Lab File: BF097609.D

Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	15.5	9.8	14.8#





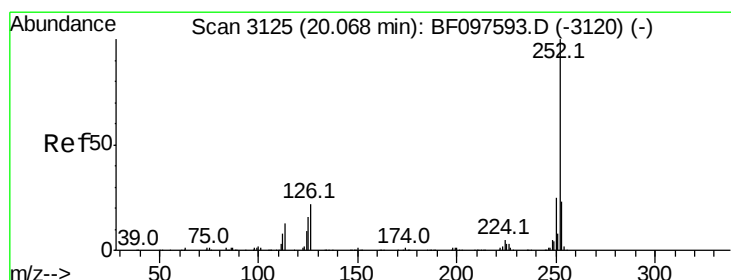
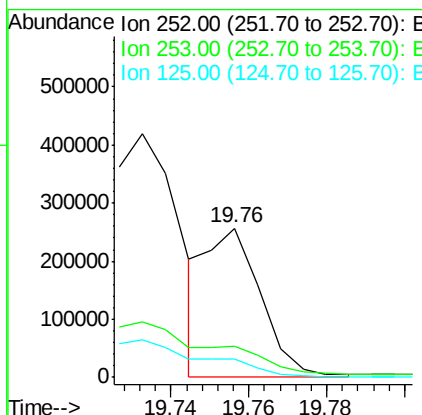
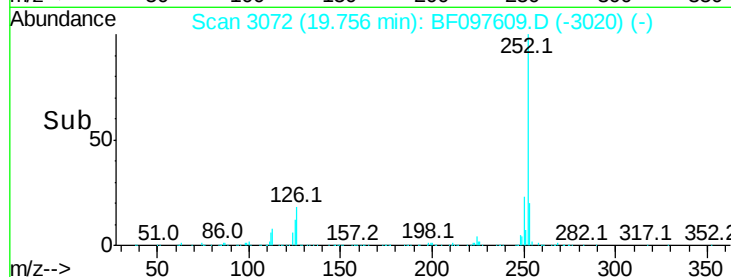
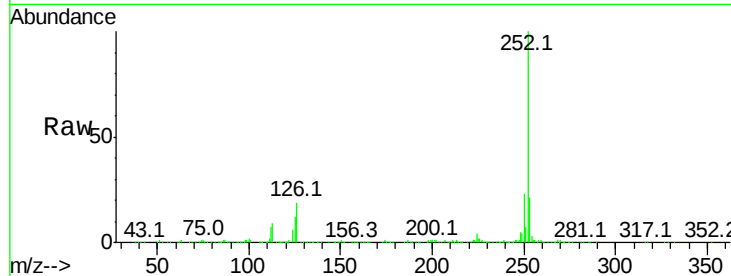
#88
Benzo(k)fluoranthene
Concen: 23.518 ng m
RT: 19.76 min Scan# 3072
Delta R.T. 0.01 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.4	27.6
125	12.5	13.1	19.7#

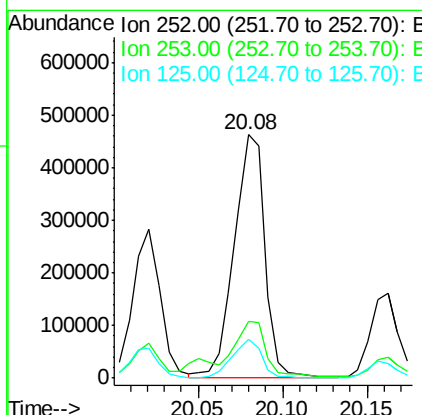
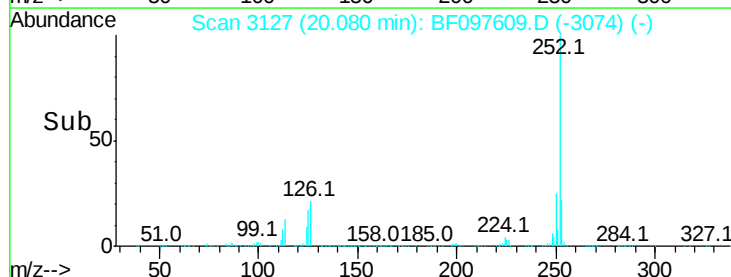
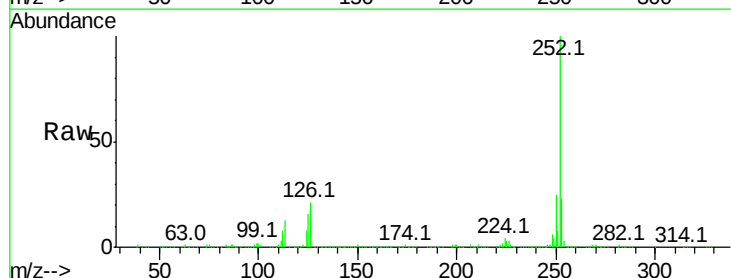
Manual Integrations
APPROVED

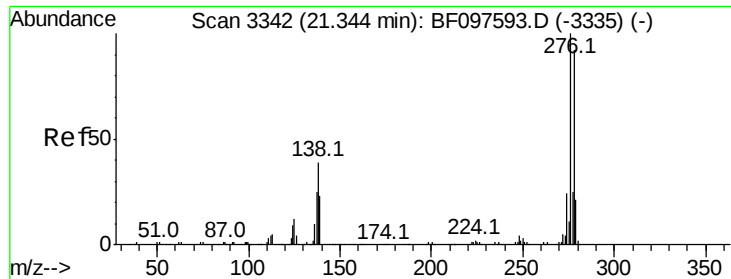
sohil
8/14/2017 6:54:41 PM



#89
Benzo(a)pyrene
Concen: 59.953 ng
RT: 20.08 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	16.2	11.0	16.4





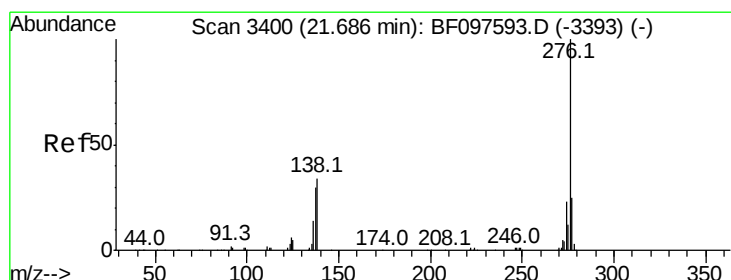
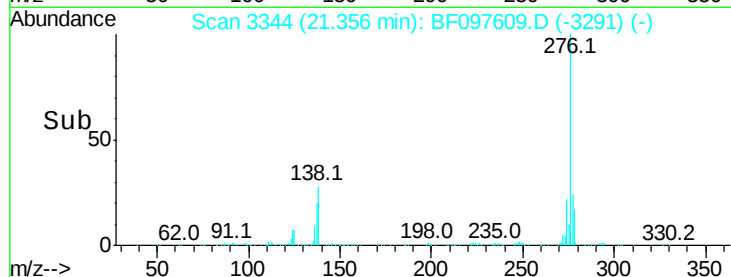
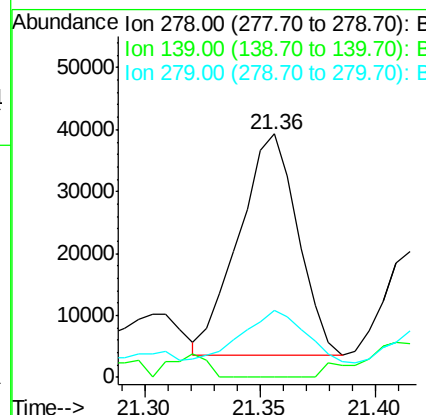
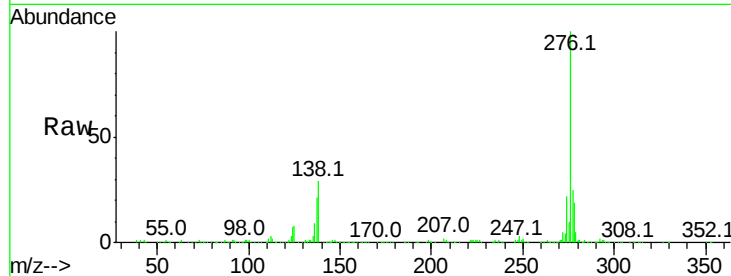
#90
Dibenzo(a,h)anthracene
Concen: 9.142 ng
RT: 21.36 min Scan# 3344
Delta R.T. 0.01 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	27.3	19.3	28.9

Manual Integrations
APPROVED

sohil
8/14/2017 6:54:41 PM



#91
Benzo(g,h,i)perylene
Concen: 42.953 ng
RT: 21.71 min Scan# 3404
Delta R.T. 0.02 min
Lab File: BF097609.D
Acq: 11 Aug 2017 22:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	33.7	25.4	38.0

