

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097608.D
 Acq On : 11 Aug 2017 22:24
 Operator : SJ/JU
 Sample : I4697-06 50X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3B

Manual Integrations
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Quant Time: Aug 12 04:32:59 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	82089	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	339027	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	143755	20.00	ng	0.00
63) Phenanthrene-d10	14.77	188	213030	20.00	ng	0.00
75) Chrysene-d12	18.47	240	149015	20.00	ng	0.00
86) Perylene-d12	20.13	264	176008	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	5195m	1.01	ng	0.18
7) Phenol-d6	7.19	99	11661m	1.82	ng	0.13
23) Nitrobenzene-d5	8.49	82	6635m	1.23	ng	0.06
41) 2,4,6-Tribromophenol	13.68	330	1122	1.03	ng	0.02
44) 2-Fluorobiphenyl	11.32	172	9301	0.98	ng	0.00
78) Terphenyl-d14	17.12	244	6827	0.95	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.58	128	2258681	133.010	ng	99
37) 2-Methylnaphthalene	10.70	142	245580	22.984	ng	99
45) 1,1'-Biphenyl	11.47	154	205688	16.677	ng	98
48) Acenaphthylene	12.13	152	118160	7.849	ng	98
51) Acenaphthene	12.43	154	810726	89.861	ng	99
54) Dibenzofuran	12.71	168	748418	59.256	ng	98
57) Fluorene	13.26	166	643497	61.952	ng	98
70) Phenanthrene	14.83	178	2401965	195.765	ng	99
71) Anthracene	14.89	178	786875	62.680	ng	100
72) Carbazole	15.18	167	184775	15.461	ng	97
74) Fluoranthene	16.58	202	1531251	138.112	ng	99
77) Pyrene	16.88	202	1208476	98.068	ng	98
80) Benzo(a)anthracene	18.46	228	577967	66.409	ng	94
82) Chrysene	18.50	228	428758	49.530	ng	98
85) Indeno(1,2,3-cd)pyrene	21.36	276	298474	44.331	ng	98
87) Benzo(b)fluoranthene	19.73	252	644937m	61.022	ng	
88) Benzo(k)fluoranthene	19.76	252	179245m	16.839	ng	
89) Benzo(a)pyrene	20.08	252	531242	54.763	ng	96
90) Dibenzo(a,h)anthracene	21.36	278	64305	9.258	ng	# 78
91) Benzo(a,h,i)perylene	21.70	276	269724	35.399	ng	96

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

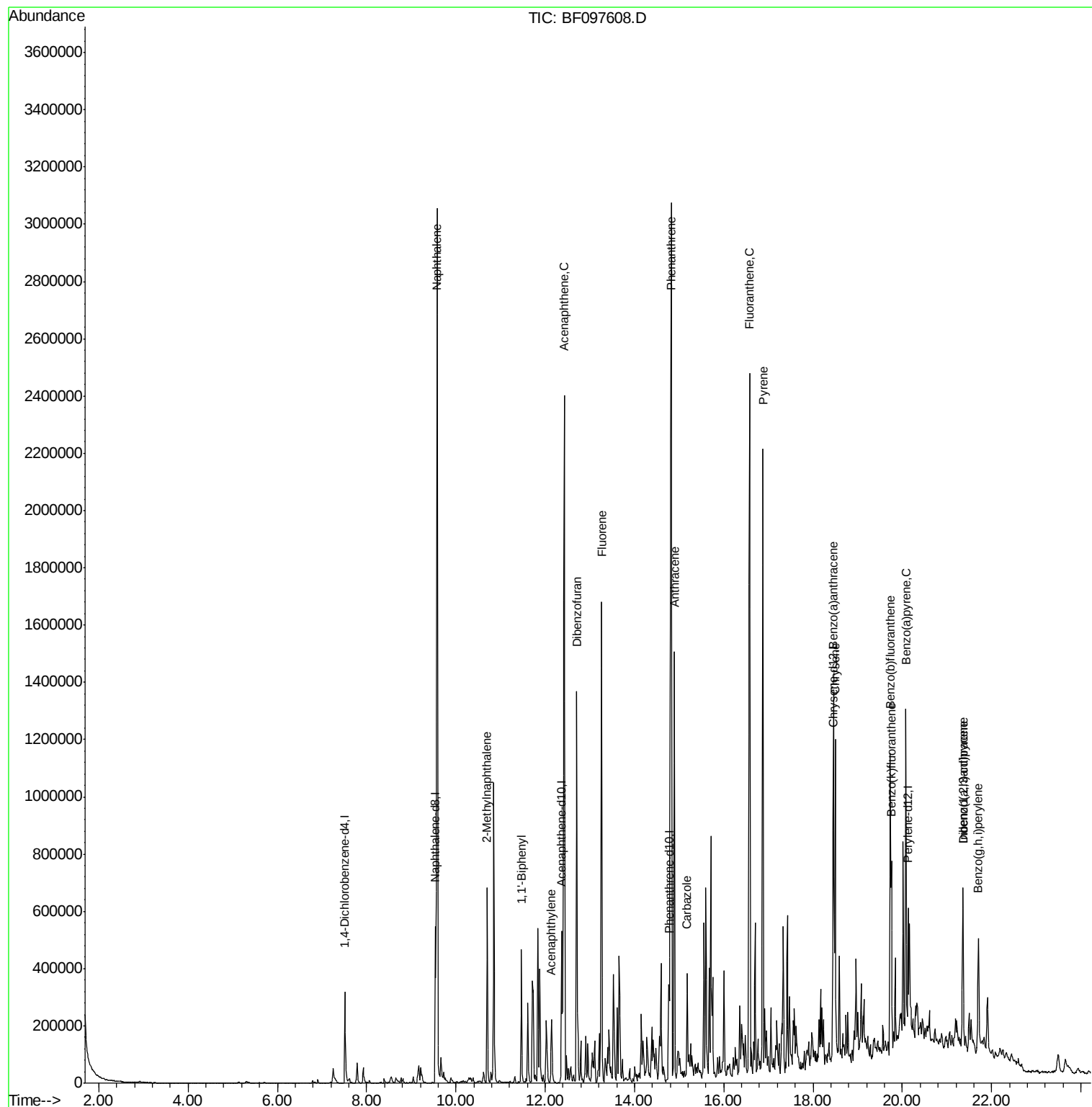
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
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ALS Vial : 11 Sample Multiplier: 1

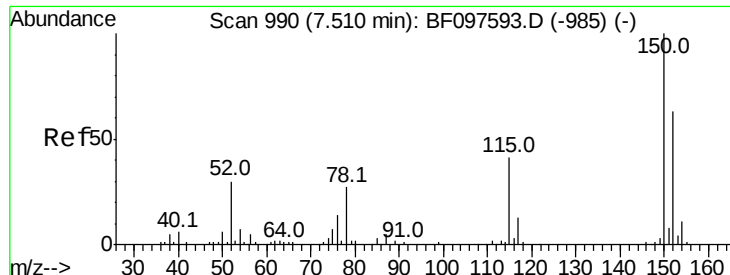
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 11 15:55:57 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.51 min Scan# 990

Delta R.T. -0.00 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3B

Tot Ion:152 Resp: 82089

Ion Ratio Lower Upper

152 100

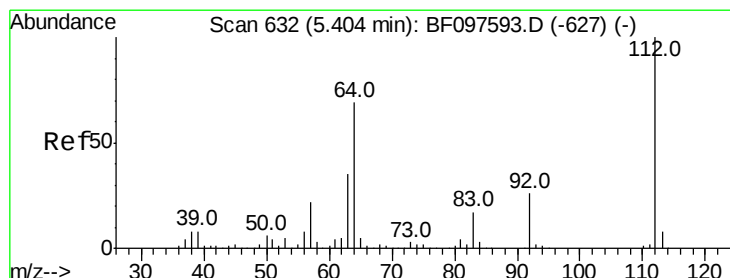
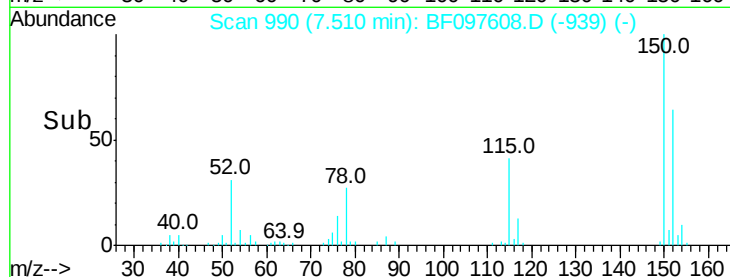
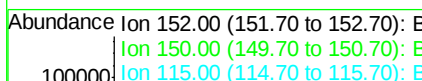
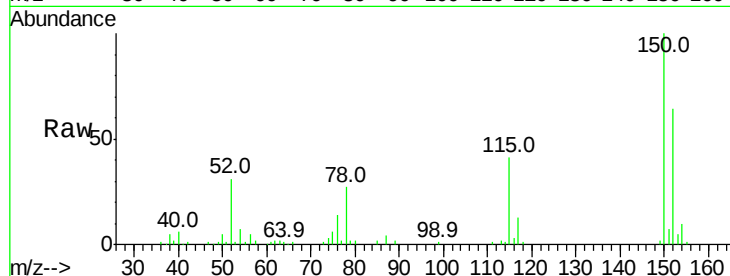
150 157.1 126.2 189.2

115 64.8 52.2 78.2

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#5

2-Fluorophenol

Concen: 1.006 ng m

RT: 5.59 min Scan# 663

Delta R.T. 0.18 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

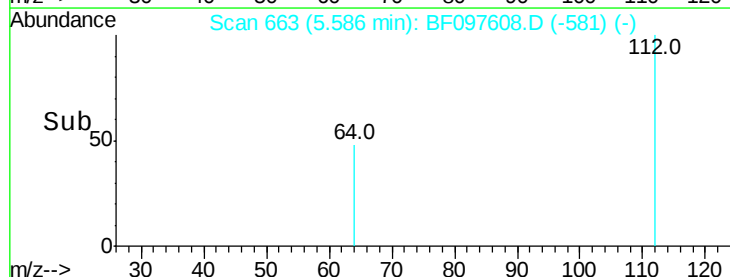
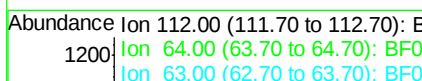
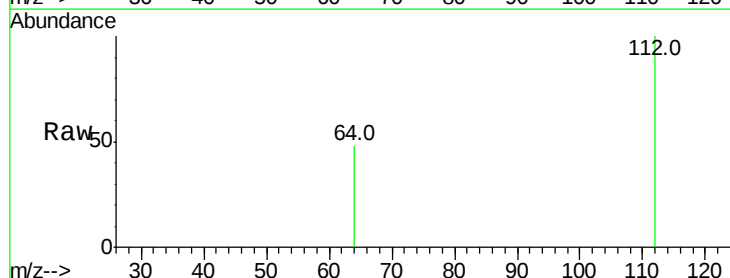
Tgt Ion:112 Resp: 5195

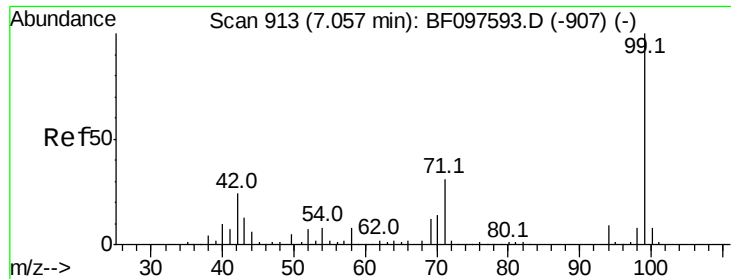
Ion Ratio Lower Upper

112 100

64 48.5 46.0 69.0

63 0.0 23.4 35.0#



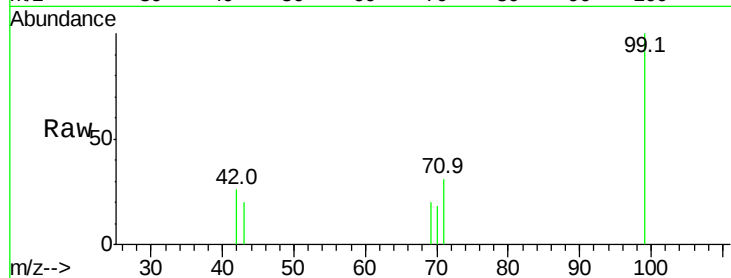


#7

Phenol-d6

Concen: 1.820 ng/mL
 RT: 7.19 min Scan# 935
 Delta R.T. 0.13 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24

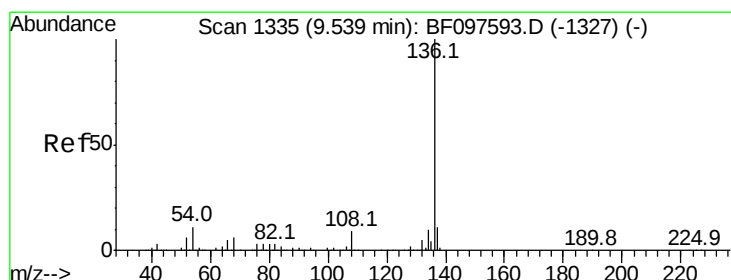
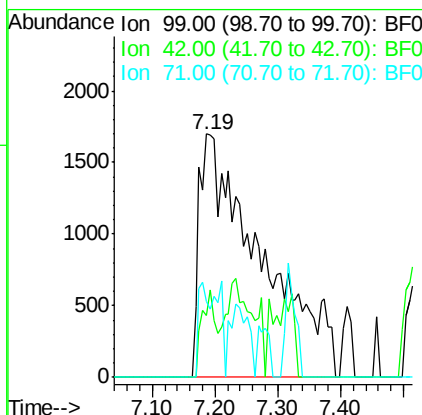
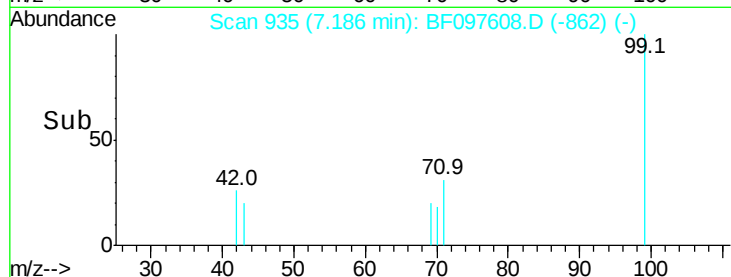
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3B



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		11661		
42	25.6	13.5	20.3#		
71	31.2	24.5	36.7		

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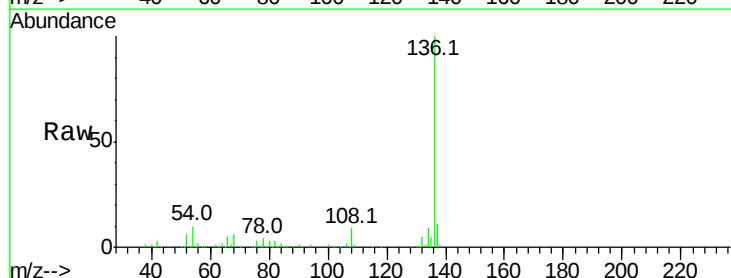
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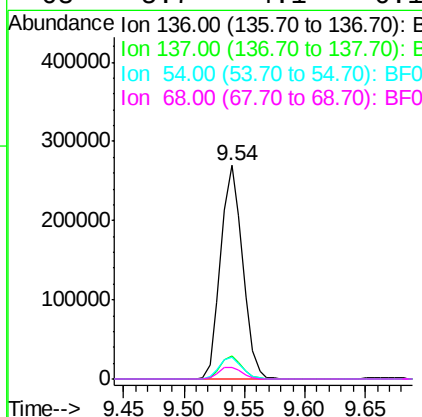
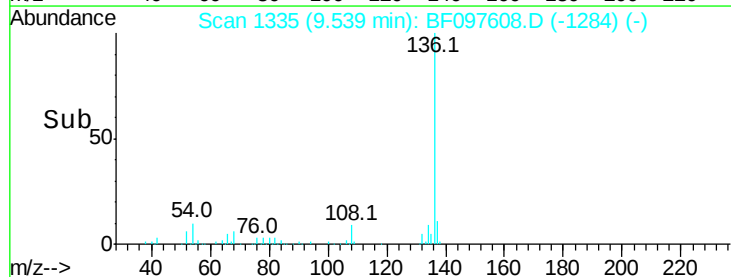
#21

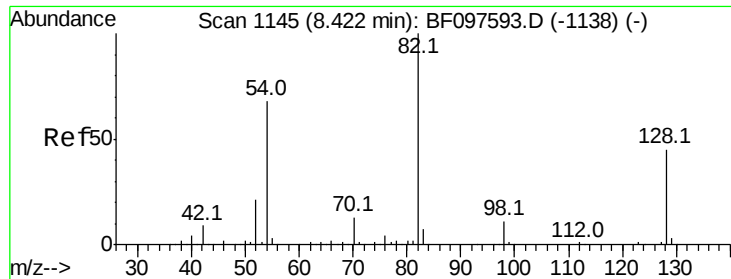
Naphthalene-d8

Concen: 20.000 ng
 RT: 9.54 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		339027		
137	10.7	8.5	12.7		
54	10.0	4.9	7.3#		
68	5.7	4.1	6.1		





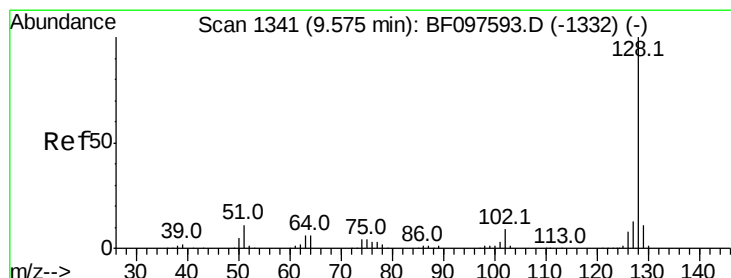
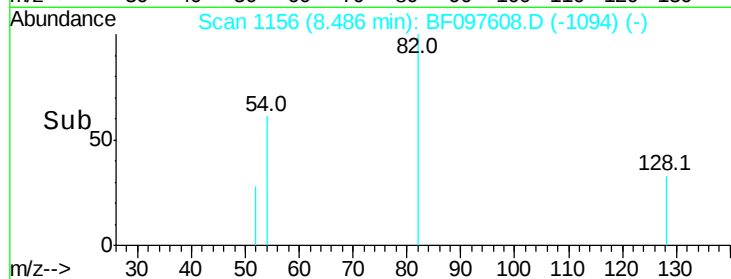
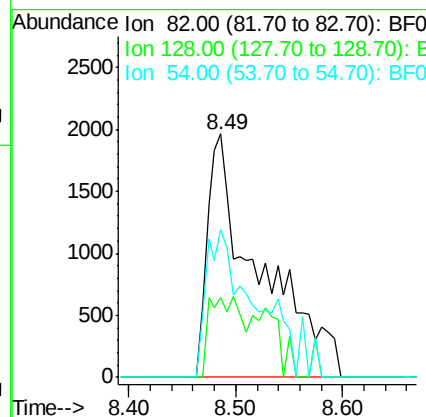
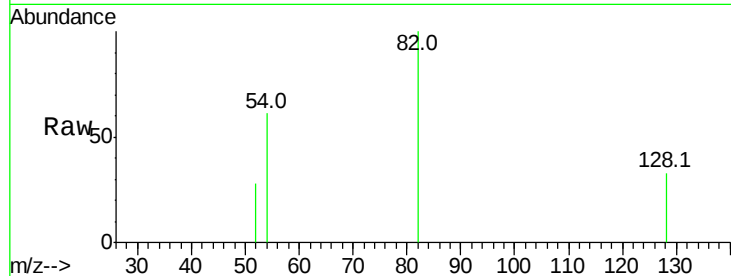
#23
 Nitrobenzene-d5
 Concen: 1.227 ng/ml
 RT: 8.49 min Scan# 1156
 Delta R.T. 0.06 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24

Instrument :
 BNA_F
 ClientSampleID :
 NYSEG-PH4-ESMI-3B

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.6	34.0	51.0#
54	60.7	42.2	63.2

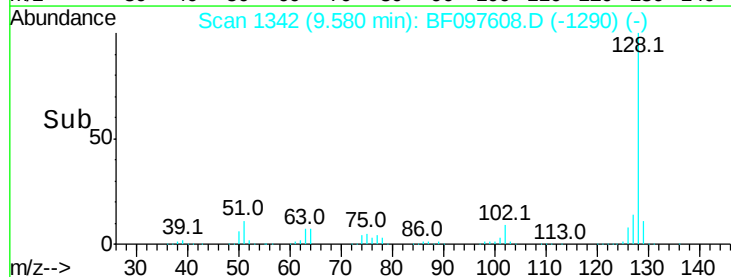
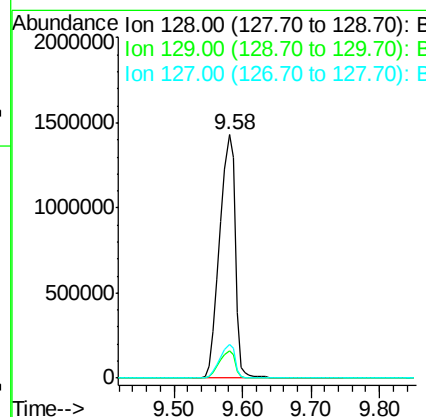
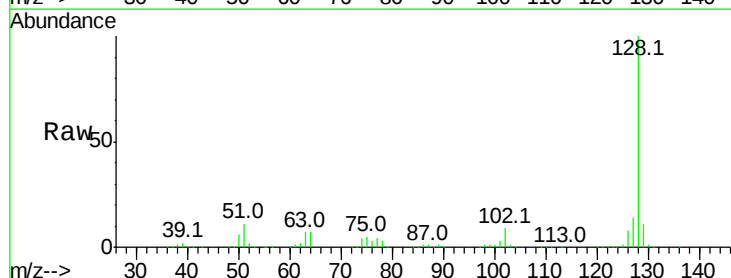
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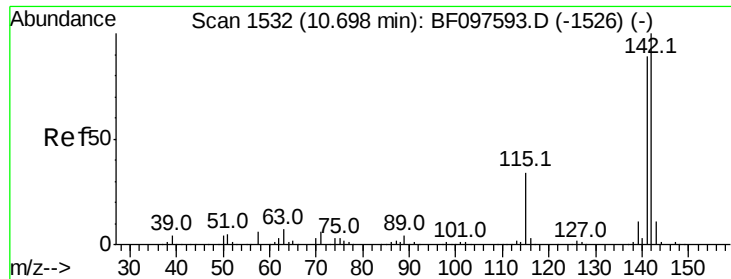
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#31
 Naphthalene
 Concen: 133.010 ng
 RT: 9.58 min Scan# 1342
 Delta R.T. 0.01 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	14.0	10.8	16.2





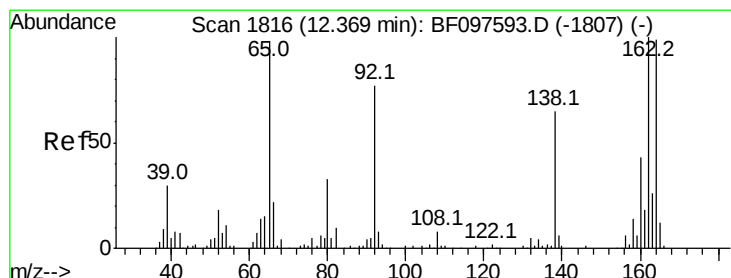
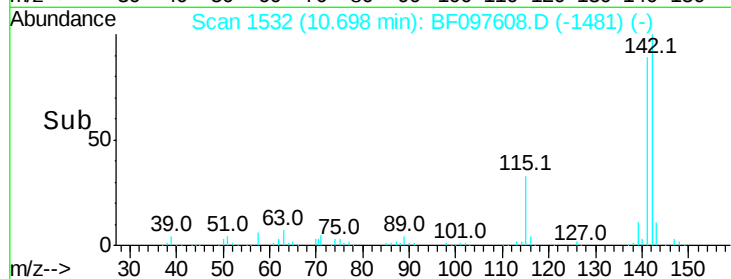
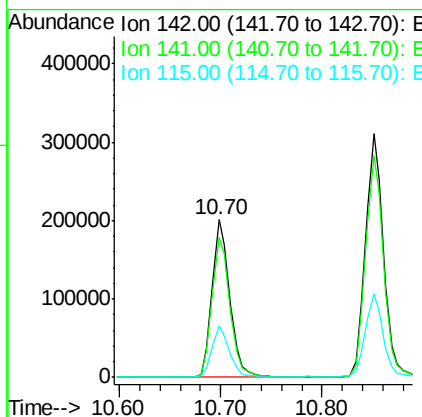
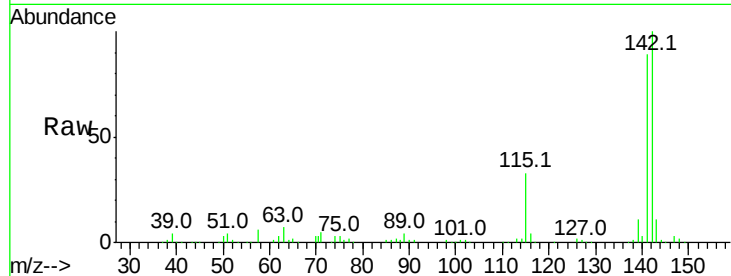
#37
 2-Methylnaphthalene
 Concen: 22.984 ng
 RT: 10.70 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3B

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	32.9	27.1	40.7

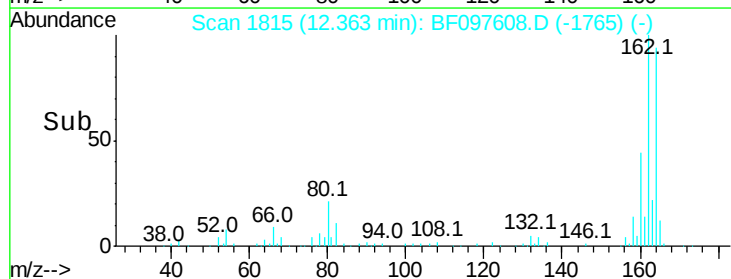
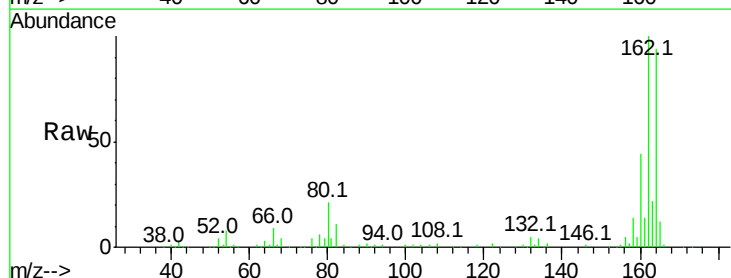
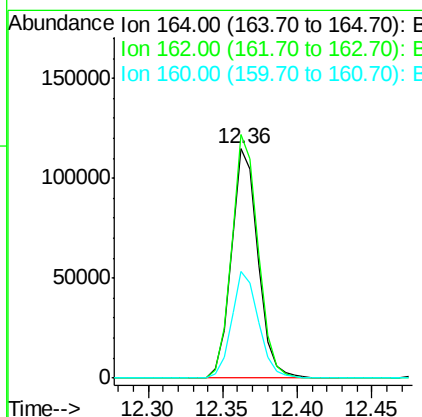
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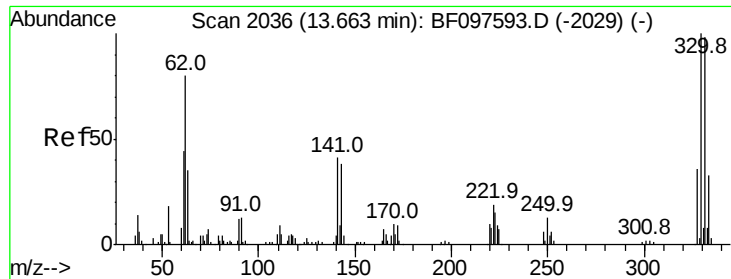
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.36 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	82.6	123.8
160	46.6	36.2	54.2





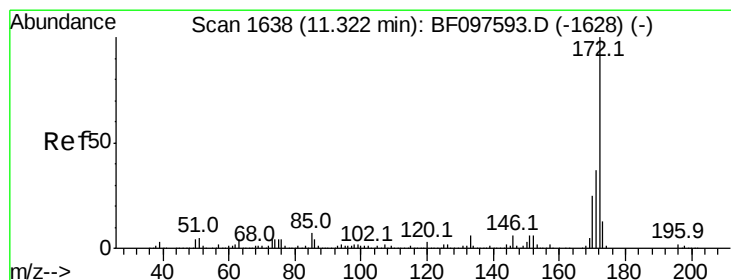
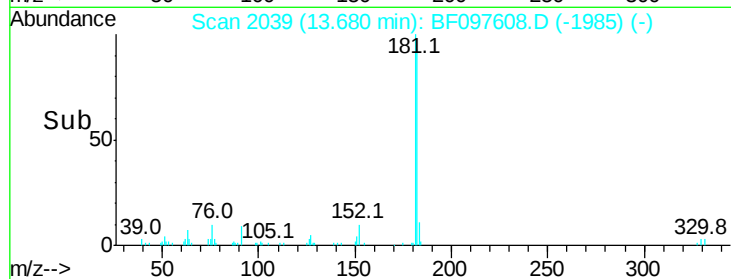
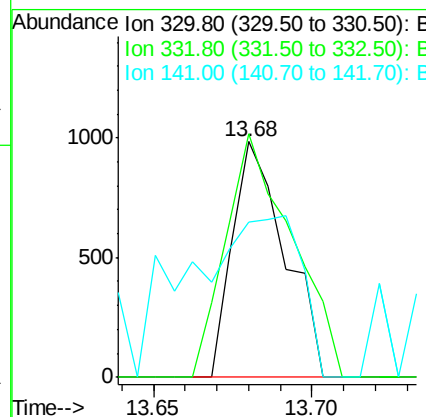
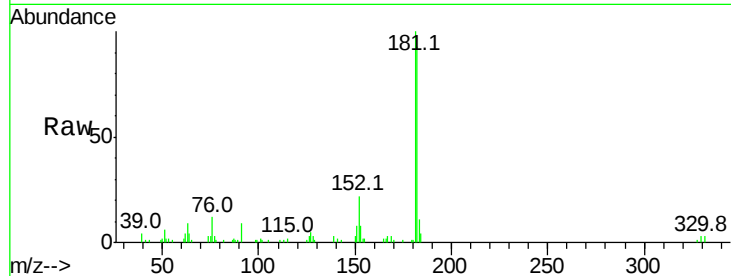
#41
 2,4,6-Tribromophenol
 Concen: 1.027 ng
 RT: 13.68 min Scan# 2039
 Delta R.T. 0.02 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3B

Tot Ion	Ratio	Lower	Upper
330	100		
332	131.2	76.6	115.0#
141	148.4	31.4	47.2#

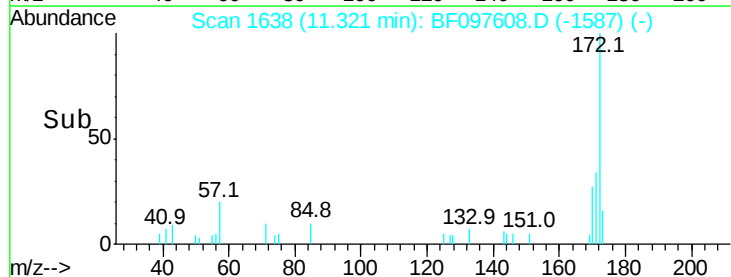
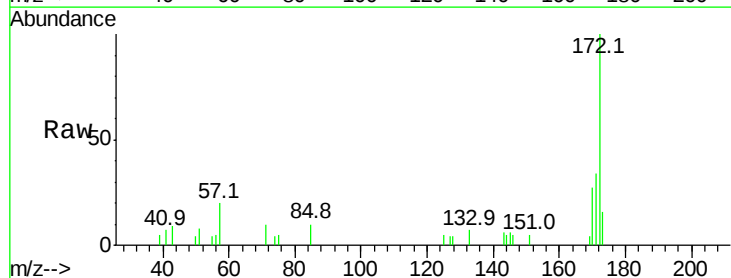
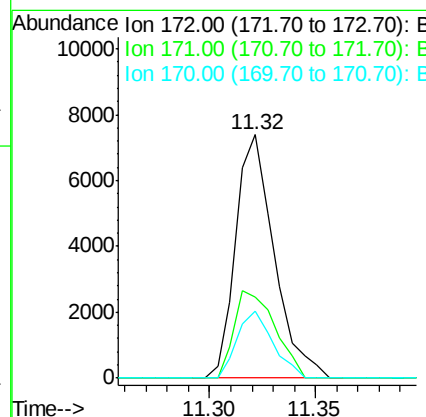
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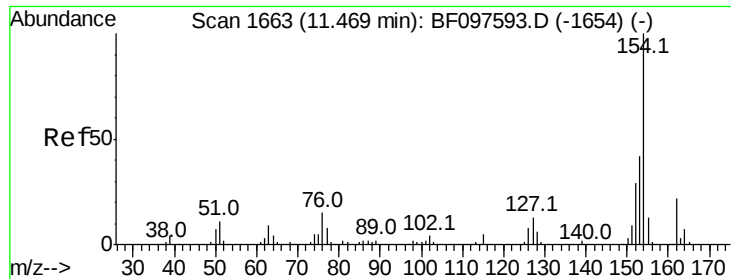
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#44
 2-Fluorobiphenyl
 Concen: 0.976 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	27.4	19.8	29.8





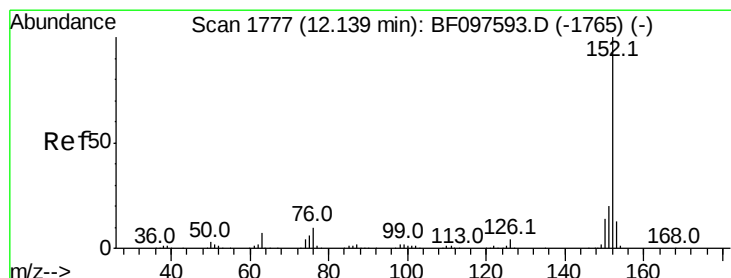
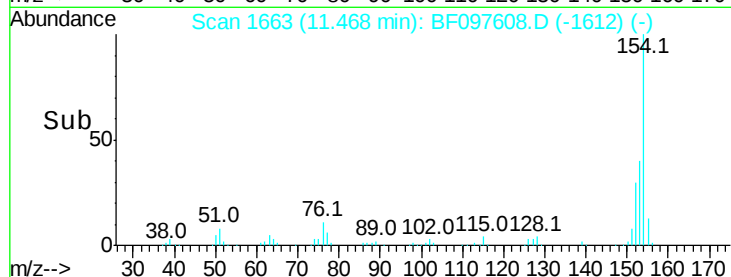
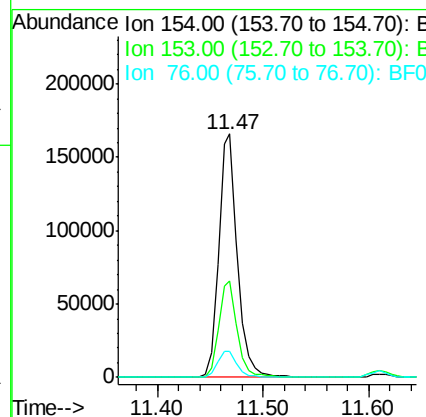
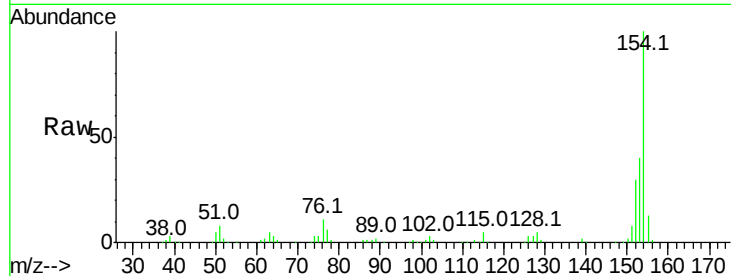
#45
 1,1'-Biphenyl
 Concen: 16.677 ng
 RT: 11.47 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3B

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	21.2	61.2
76	10.5	0.0	29.9

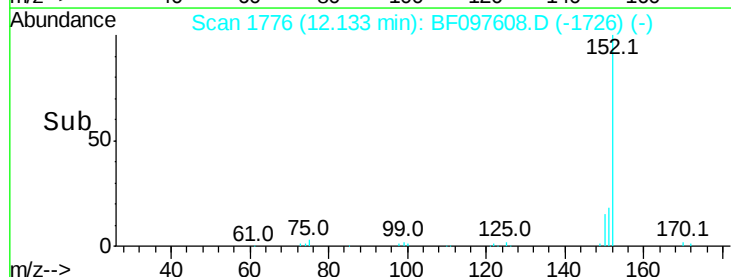
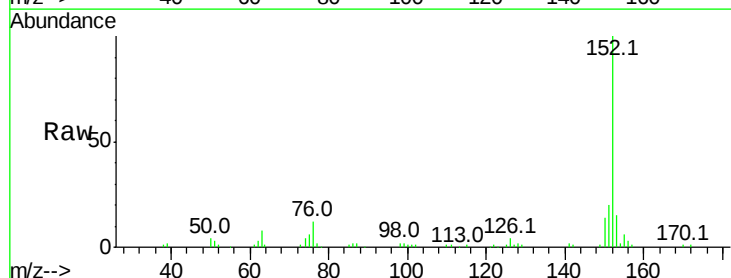
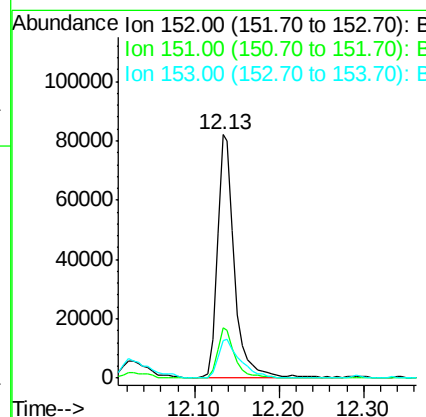
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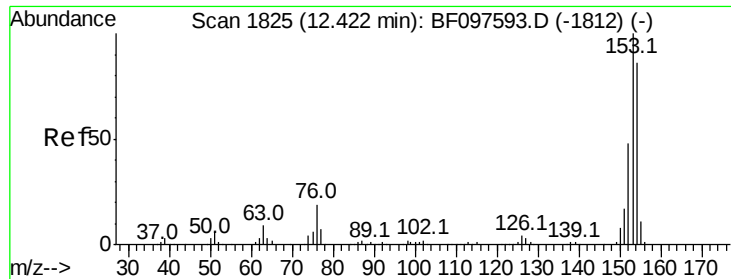
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#48
 Acenaphthylene
 Concen: 7.849 ng
 RT: 12.13 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BF097608.D
 Acq: 11 Aug 2017 22:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	15.3	10.8	16.2





#51

Acenaphthene

Concen: 89.861 ng

RT: 12.43 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3B

Tot Ion:154 Resp: 810726

Ion Ratio Lower Upper

154 100

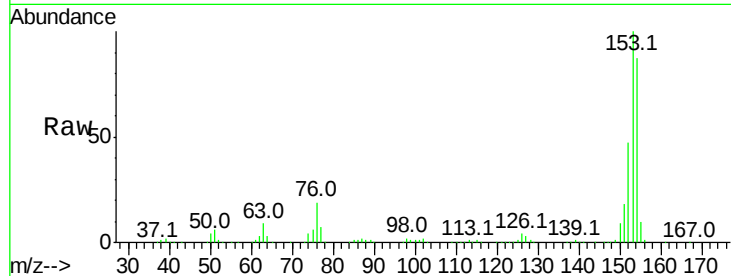
153 114.4 90.5 135.7

152 54.2 43.6 65.4

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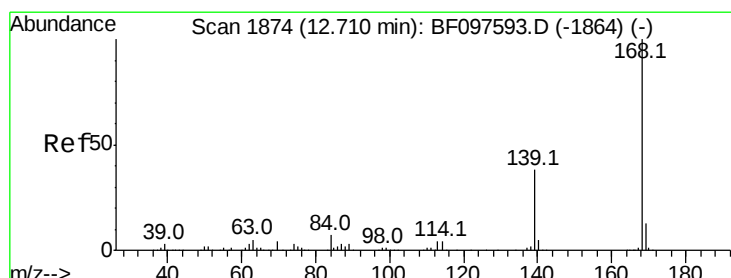
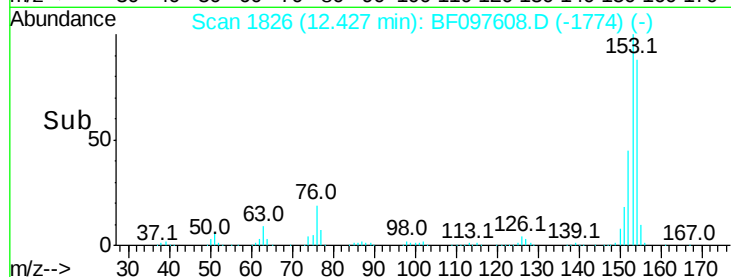
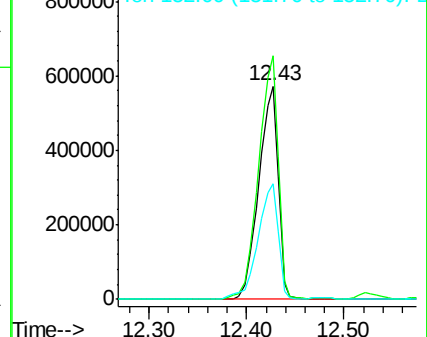
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 59.256 ng

RT: 12.71 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

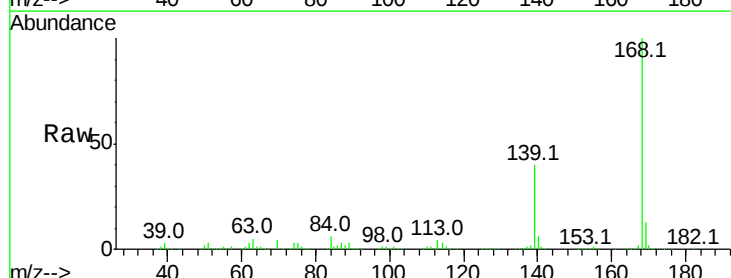
Tgt Ion:168 Resp: 748418

Ion Ratio Lower Upper

168 100

139 39.9 30.6 45.8

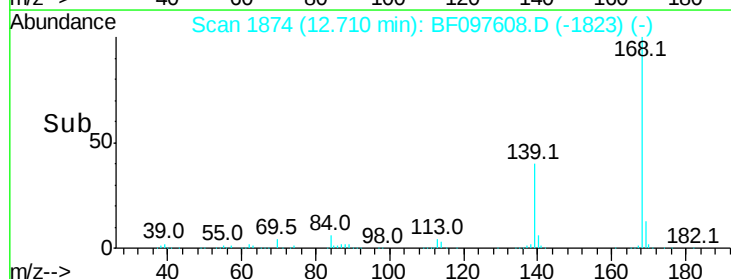
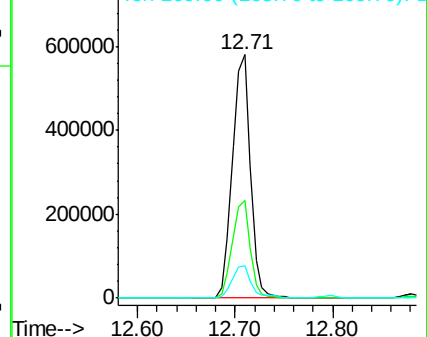
169 13.5 10.8 16.2

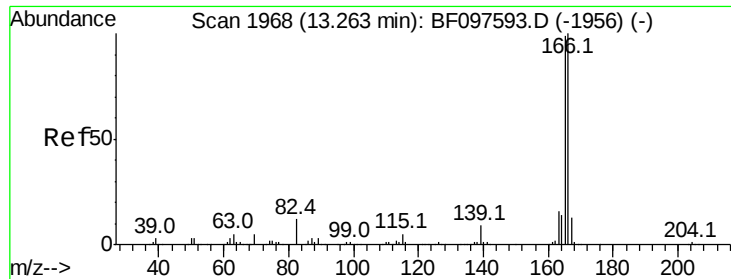


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 61.952 ng

RT: 13.26 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Instrument :

BNA_F

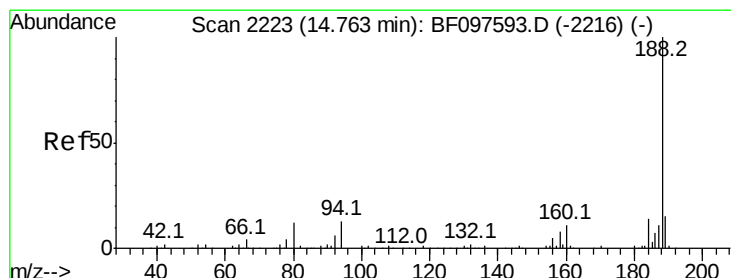
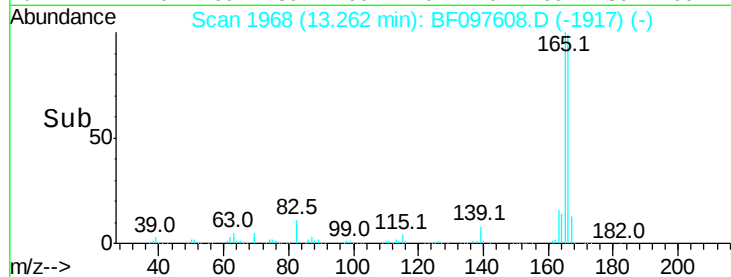
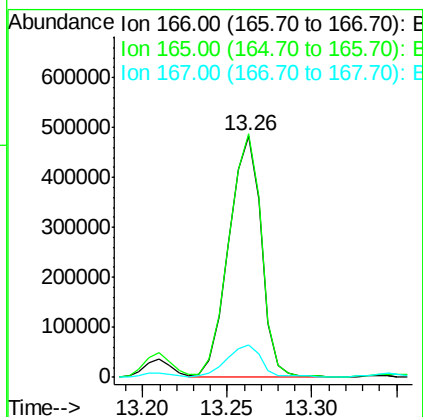
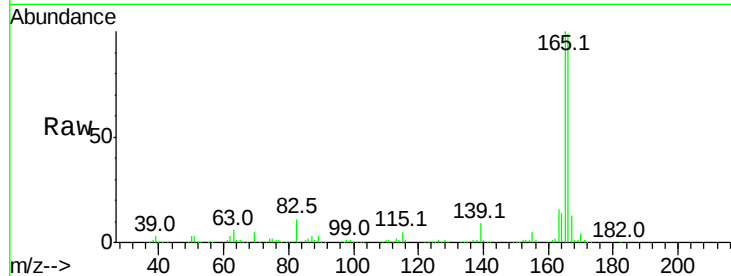
ClientSampleId :

NYSEG-PH4-ESMI-3B

Tot Ion:	166	Resp:	643497
Ion Ratio	Lower	Upper	
166	100		
165	100.9	78.8	118.2
167	13.6	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

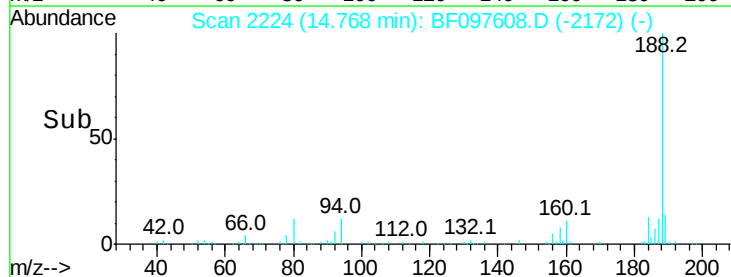
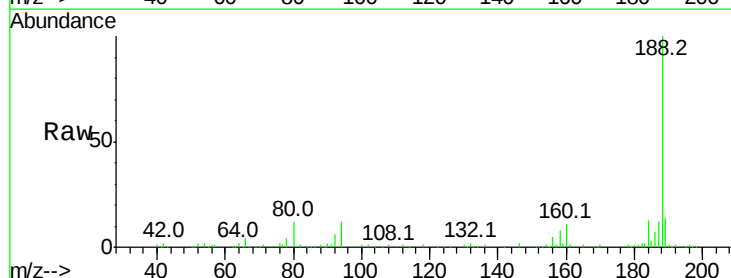
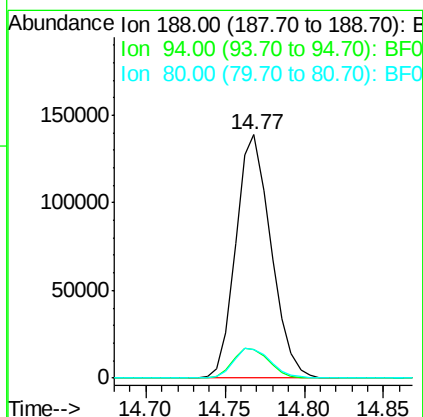
RT: 14.77 min Scan# 2224

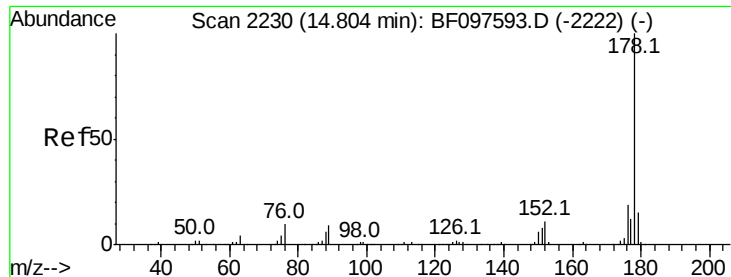
Delta R.T. 0.01 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Tgt Ion:	188	Resp:	213030
Ion Ratio	Lower	Upper	
188	100		
94	11.6	9.4	14.2
80	11.7	10.2	15.2





#70

Phenanthrene

Concen: 195.765 ng

RT: 14.83 min Scan# 2234

Delta R.T. 0.02 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3B

Tot Ion:178 Resp: 2401965

Ion Ratio Lower Upper

178 100

176 20.5 16.2 24.4

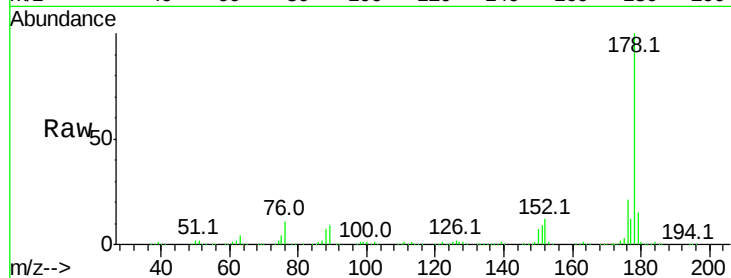
179 15.4 12.6 19.0

Manual Integrations

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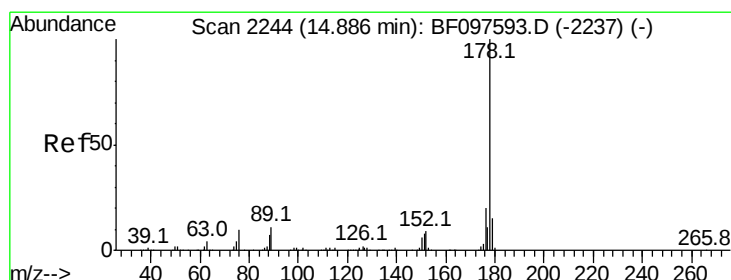
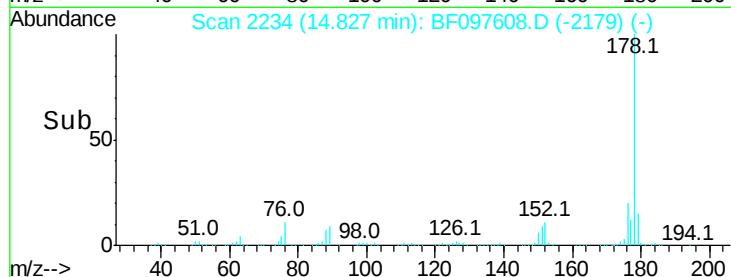
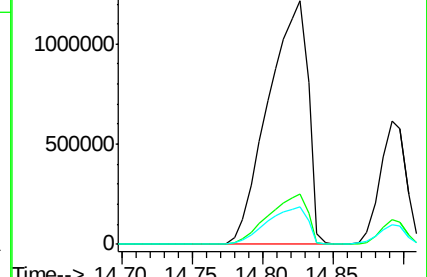
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 62.680 ng

RT: 14.89 min Scan# 2245

Delta R.T. 0.01 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

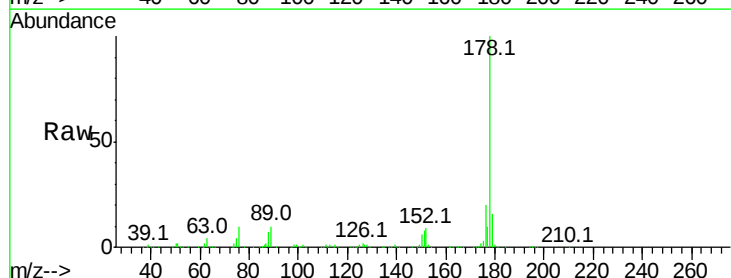
Tgt Ion:178 Resp: 786875

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

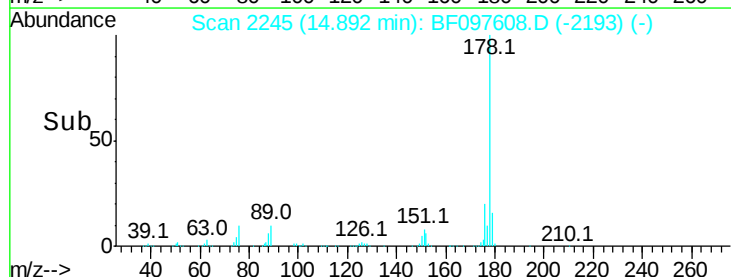
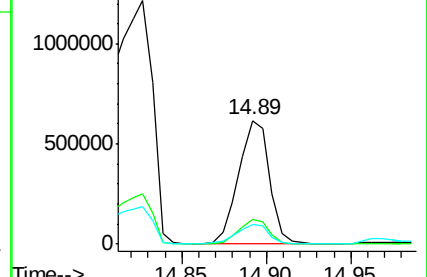
179 15.8 12.7 19.1

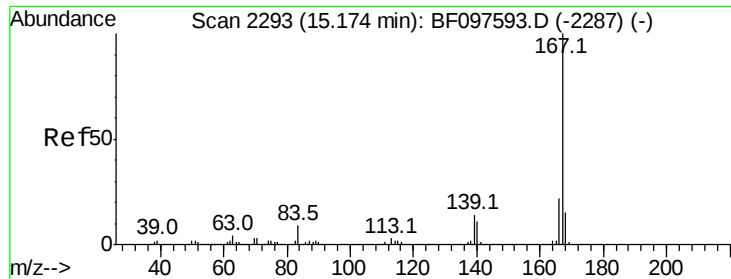


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 15.461 ng

RT: 15.18 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Instrument :

BNA_F

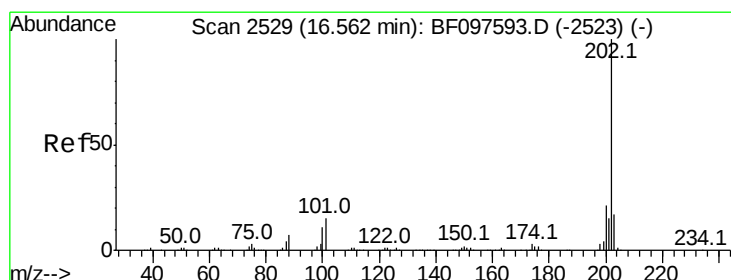
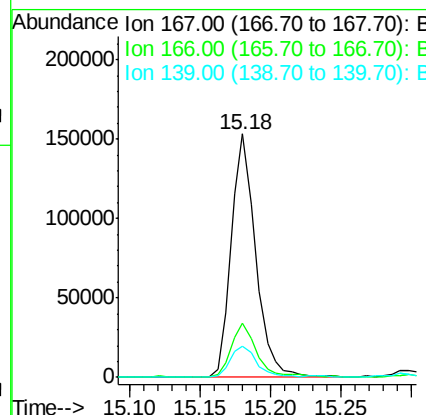
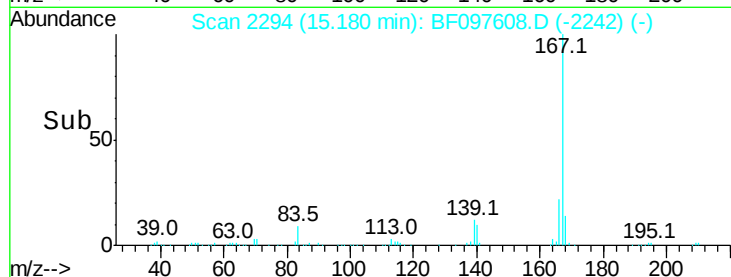
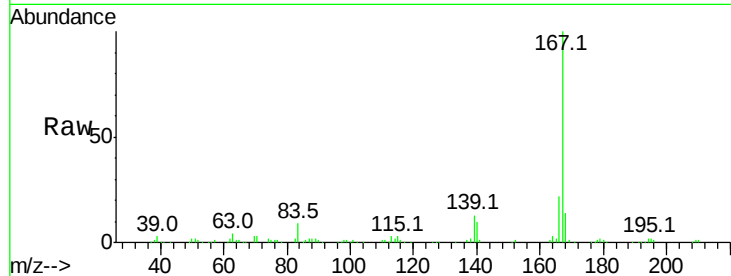
ClientSampleId :

NYSEG-PH4-ESMI-3B

Tot Ion	Ratio	Resp	Lower	Upper
167	100	184775		
166	22.0	18.1	27.1	
139	12.7	11.7	17.5	

Manual Integrations
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#74

Fluoranthene

Concen: 138.112 ng

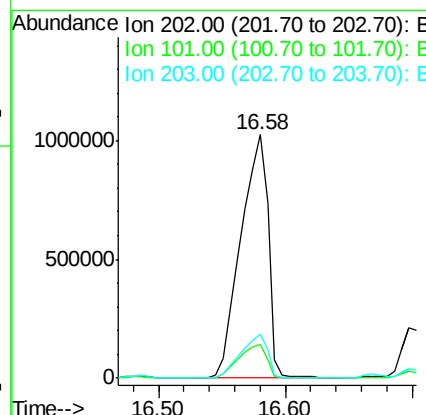
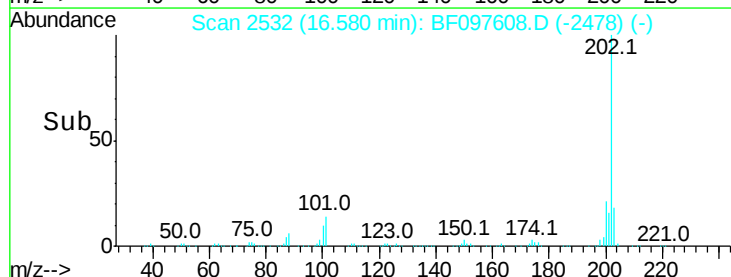
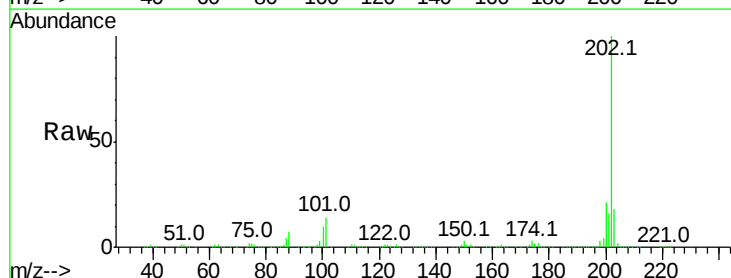
RT: 16.58 min Scan# 2532

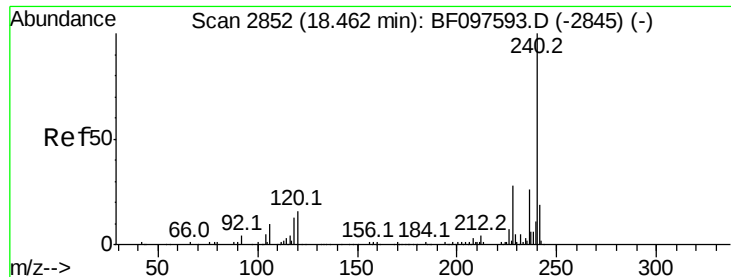
Delta R.T. 0.02 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1531251		
101	14.0	0.0	33.2	
203	17.9	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: BF097608.D

Acq: 11 Aug 2017 22:24

Instrument :

BNA_F

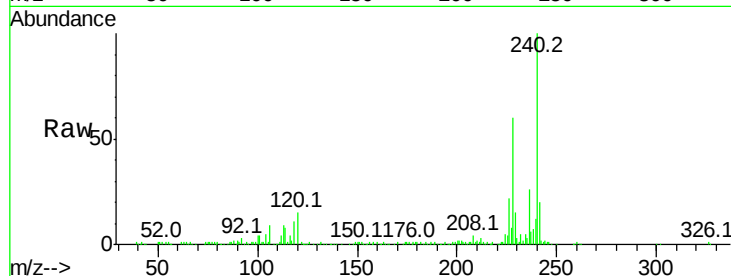
ClientSampleId :

NYSEG-PH4-ESMI-3B

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	25.7	20.5	30.7

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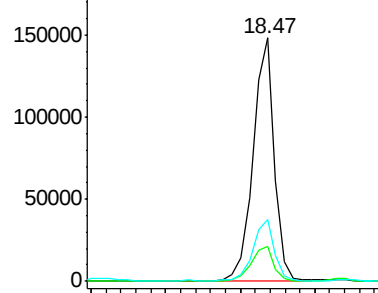


Abundance

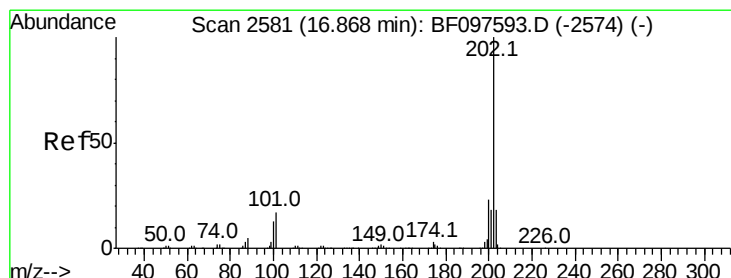
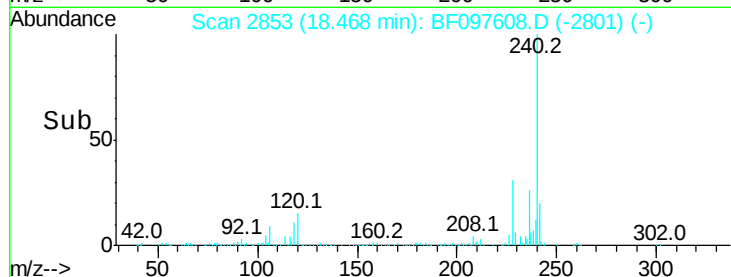
Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 98.068 ng

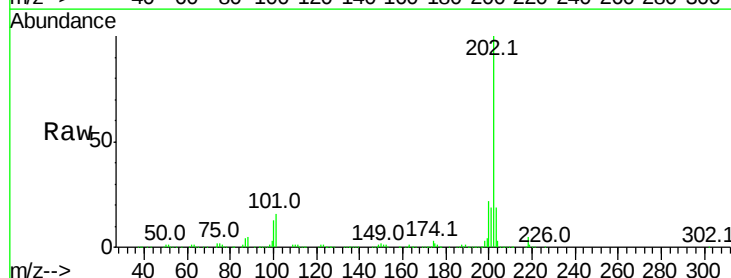
RT: 16.88 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.6	26.4
203	19.1	14.4	21.6

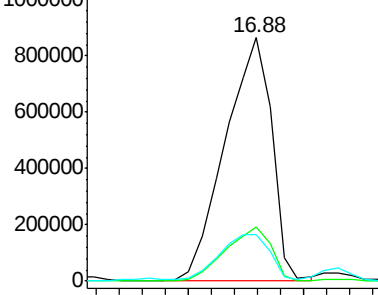


Abundance

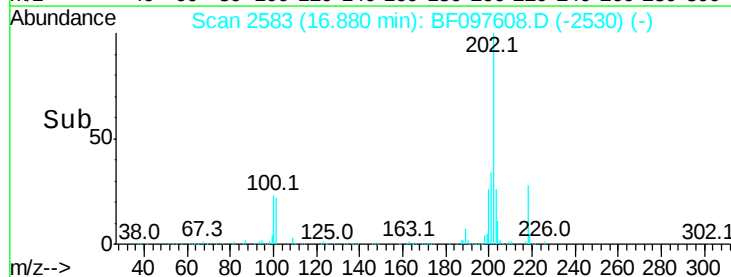
Ion 202.00 (201.70 to 202.70): E

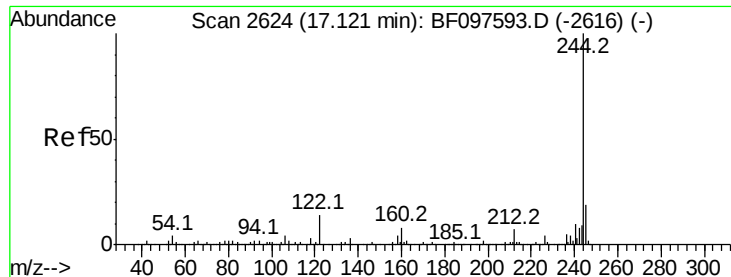
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 0.948 ng

RT: 17.12 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Instrument :

BNA_F

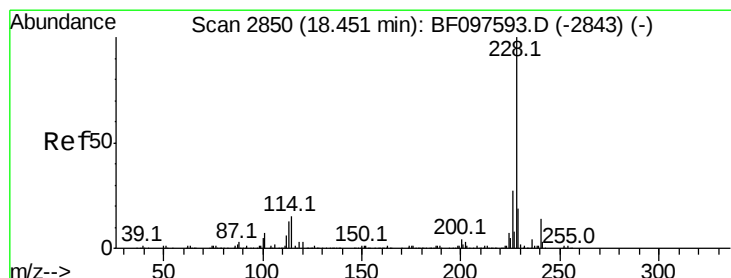
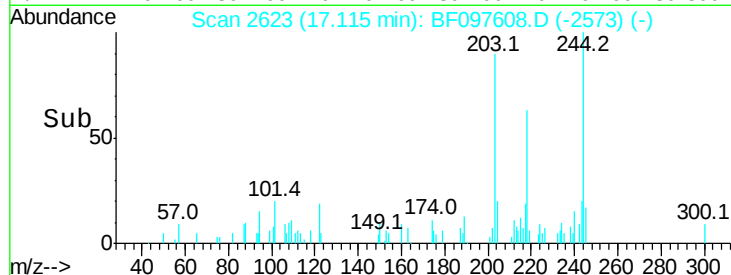
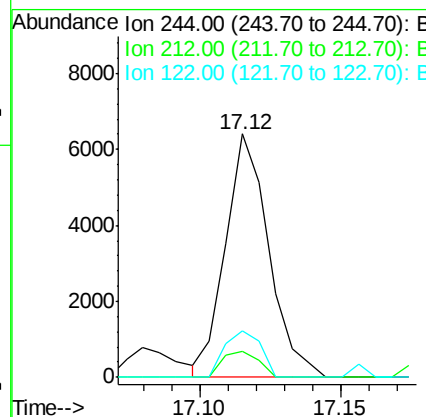
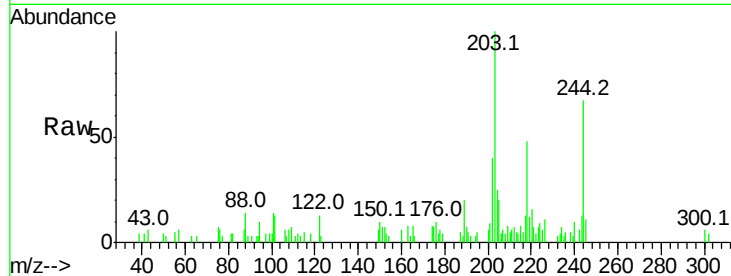
ClientSampleId :

NYSEG-PH4-ESMI-3B

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.9	6.0	9.0#
122	19.0	10.3	15.5#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 66.409 ng

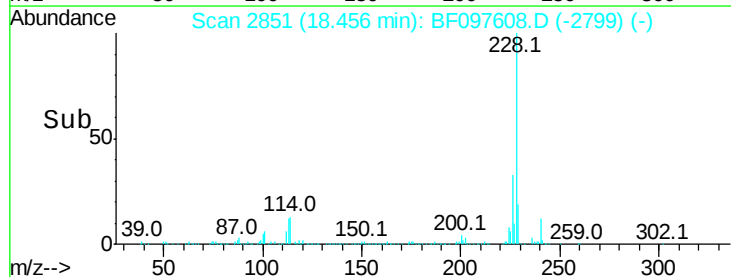
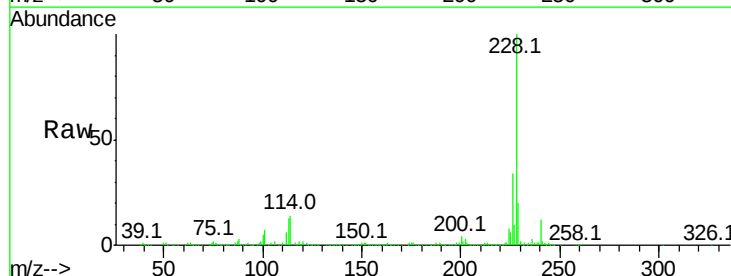
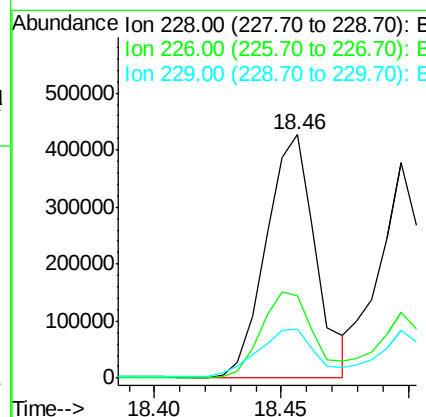
RT: 18.46 min Scan# 2851

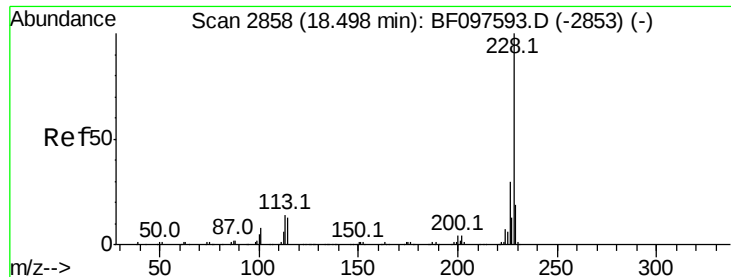
Delta R.T. 0.01 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	20.4	16.3	24.5





#82

Chrysene

Concen: 49.530 ng

RT: 18.50 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Instrument :

BNA_F

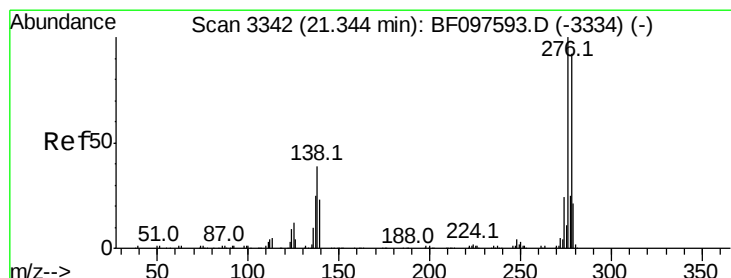
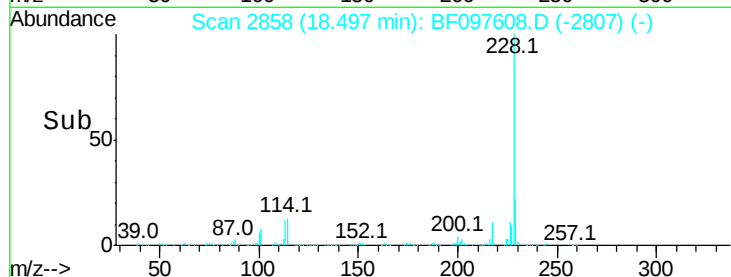
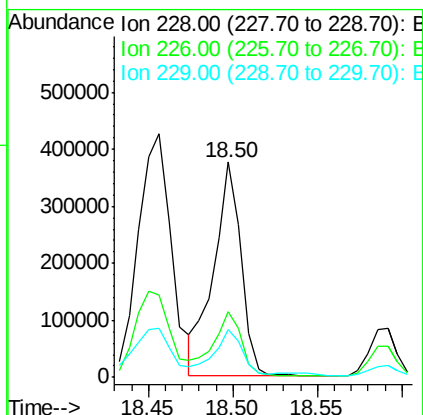
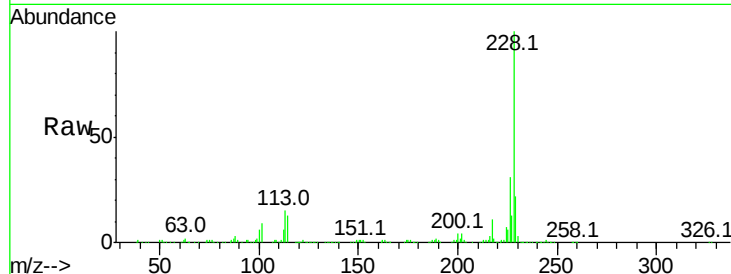
ClientSampleId :

NYSEG-PH4-ESMI-3B

Tot Ion:	228	Resp:	428758
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.9	37.3
229	22.0	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 44.331 ng

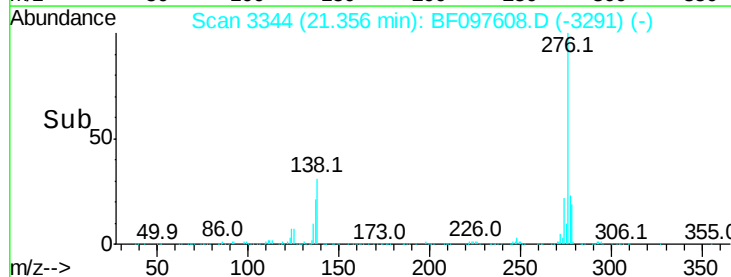
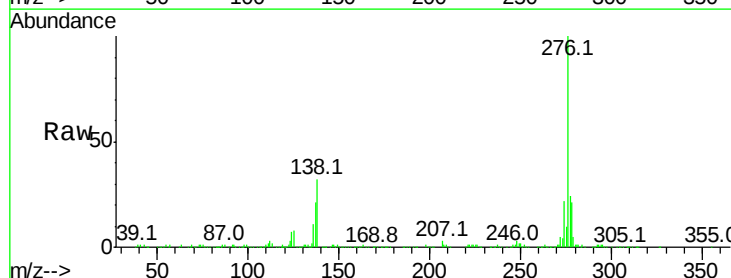
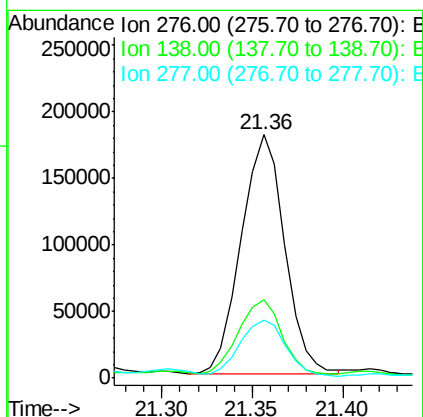
RT: 21.36 min Scan# 3344

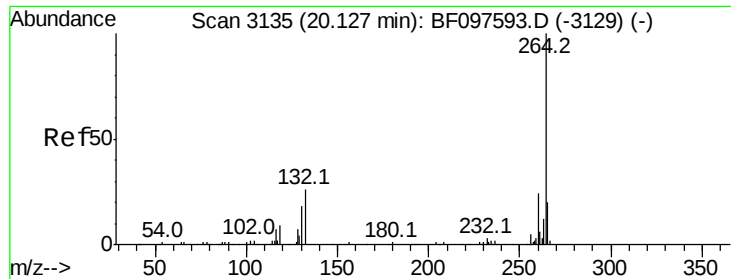
Delta R.T. 0.01 min

Lab File: BF097608.D

Acq: 11 Aug 2017 22:24

Tgt Ion:	276	Resp:	298474
Ion Ratio	Lower	Upper	
276	100		
138	33.1	27.8	41.6
277	24.6	20.2	30.4





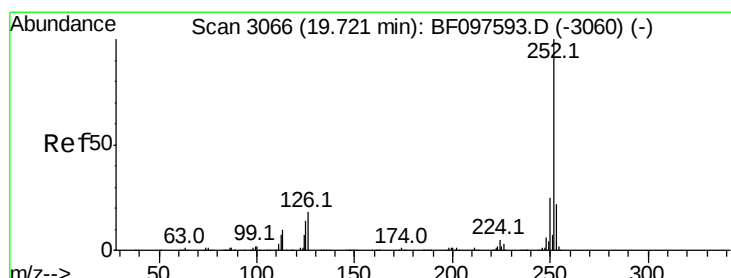
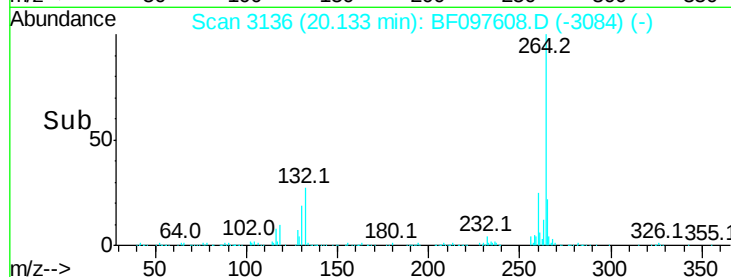
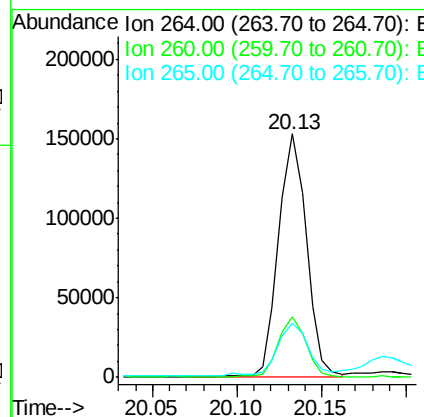
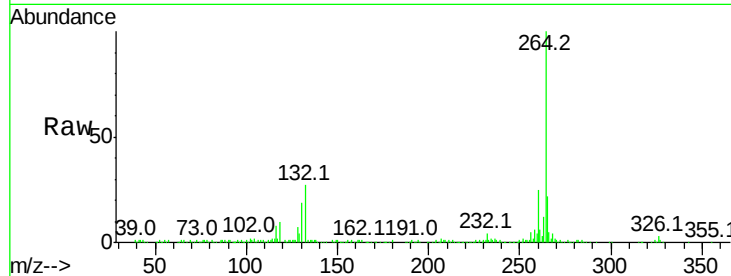
#86
Pervlene-d12
Concen: 20.000 ng
RT: 20.13 min Scan# 3136
Delta R.T. 0.01 min
Lab File: BF097608.D
Acq: 11 Aug 2017 22:24

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3B

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.3	17.2	25.8

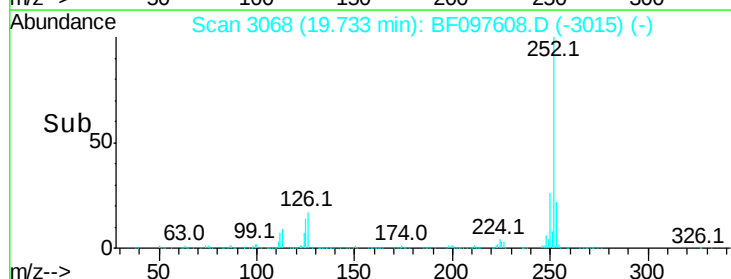
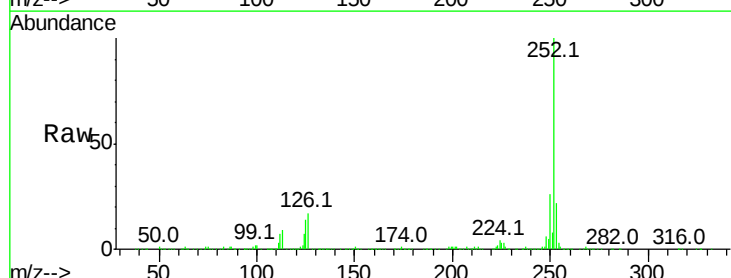
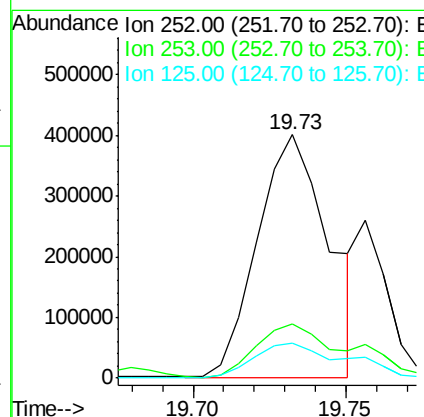
Manual Integrations
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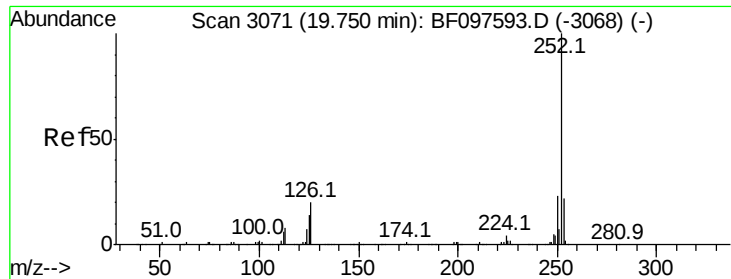
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#87
Benzo(b)fluoranthene
Concen: 61.022 ng m
RT: 19.73 min Scan# 3068
Delta R.T. 0.01 min
Lab File: BF097608.D
Acq: 11 Aug 2017 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	14.3	9.8	14.8





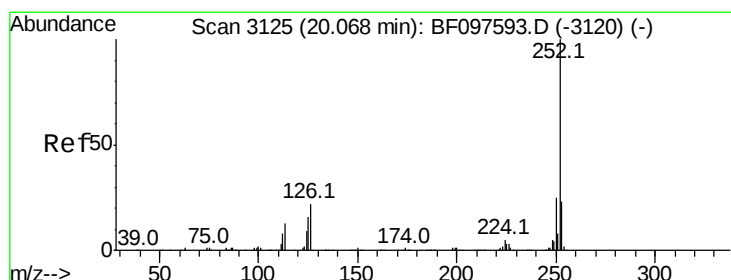
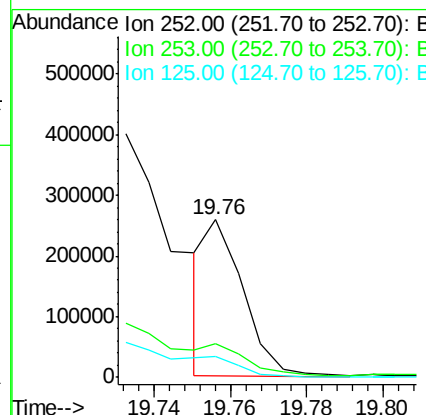
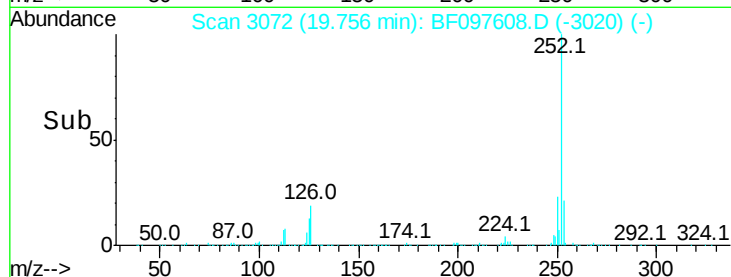
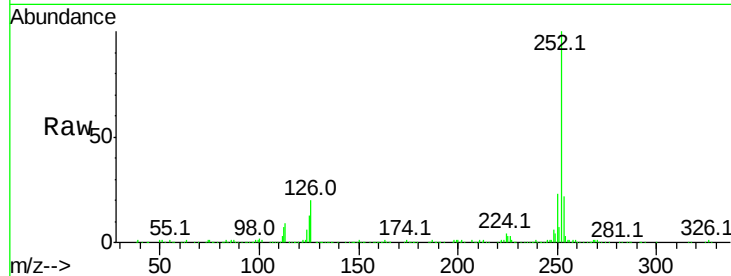
#88
Benzo(k)fluoranthene
Concen: 16.839 ng m
RT: 19.76 min Scan# 3072
Delta R.T. 0.01 min
Lab File: BF097608.D
Acq: 11 Aug 2017 22:24

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3B

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	13.4	13.1	19.7

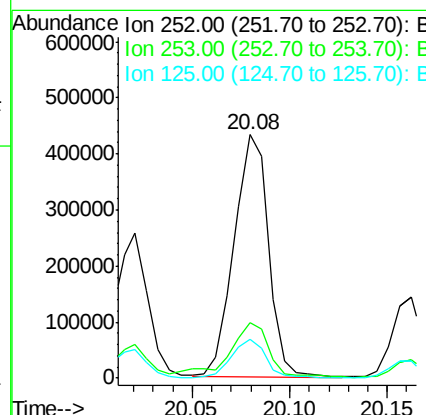
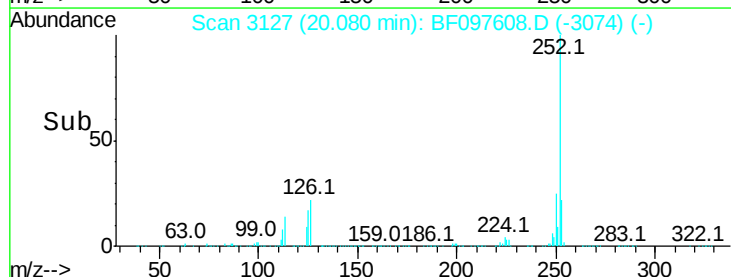
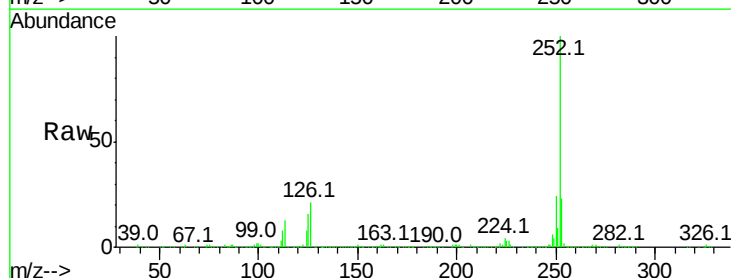
Manual Integrations
APPROVED

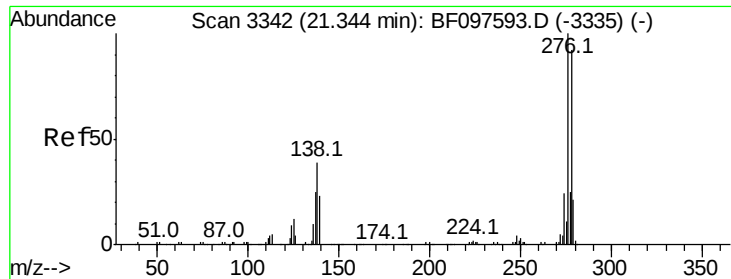
sohil
8/14/2017 6:54:34 PM



#89
Benzo(a)pyrene
Concen: 54.763 ng
RT: 20.08 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BF097608.D
Acq: 11 Aug 2017 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.2	11.0	16.4





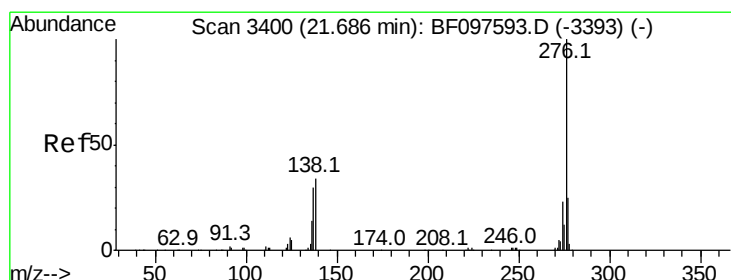
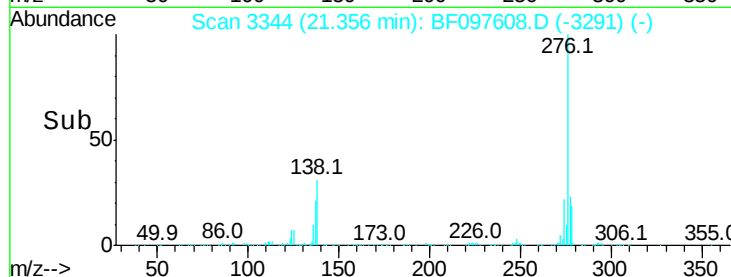
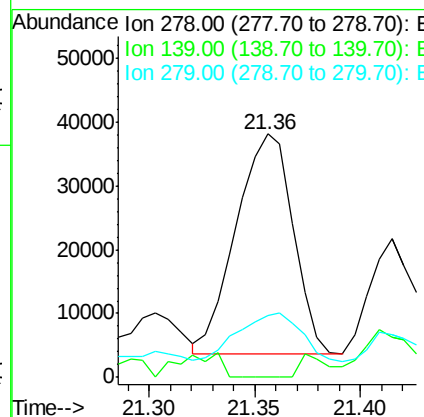
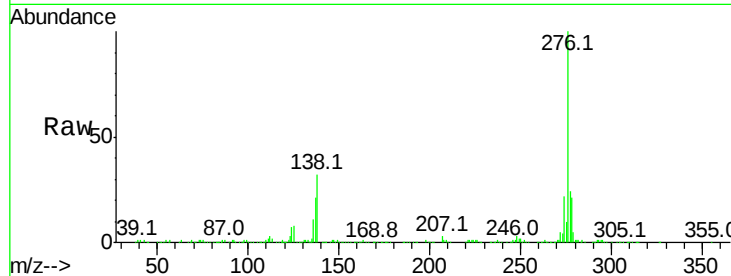
#90
Dibenzo(a,h)anthracene
Concen: 9.258 ng
RT: 21.36 min Scan# 3344
Delta R.T. 0.01 min
Lab File: BF097608.D
Acq: 11 Aug 2017 22:24

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3B

Tot Ion:278 Resp: 64305
Ion Ratio Lower Upper
278 100
139 0.0 16.6 24.8#
279 25.4 19.3 28.9

Manual Integrations
APPROVED

sohil
8/14/2017 6:54:34 PM



#91
Benzo(g,h,i)perylene
Concen: 35.399 ng
RT: 21.70 min Scan# 3403
Delta R.T. 0.02 min
Lab File: BF097608.D
Acq: 11 Aug 2017 22:24

Tgt Ion:276 Resp: 269724
Ion Ratio Lower Upper
276 100
277 25.9 18.6 28.0
138 32.9 25.4 38.0

