

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098982.D
 Acq On : 1 Oct 2017 00:17
 Operator : SJ/JU
 Sample : I5563-08 50X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-8

Manual Integrations
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Sohil
 10/2/2017 5:44:53 PM

Quant Time: Oct 01 01:46:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	109448	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	409629	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	154445	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	240073	20.00	ng	0.00
75) Chrysene-d12	14.09	240	203707	20.00	ng	0.00
86) Perylene-d12	15.58	264	145144	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	17758	2.58	ng	-0.01
7) Phenol-d6	6.53	99	22565	2.66	ng	-0.01
23) Nitrobenzene-d5	7.47	82	12726	1.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.75	330	2581	2.04	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	23304	2.52	ng	-0.01
78) Terphenyl-d14	13.02	244	18032	2.01	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.22	128	1226990	63.777	ng	99
37) 2-Methylnaphthalene	8.91	142	472538	37.783	ng	99
45) 1,1'-Biphenyl	9.37	154	103277	7.781	ng	99
48) Acenaphthylene	9.82	152	84241	5.522	ng	# 96
51) Acenaphthene	9.99	154	338220	34.997	ng	99
54) Dibenzofuran	10.16	168	328816	25.554	ng	97
57) Fluorene	10.50	166	373702	36.133	ng	99
70) Phenanthrene	11.47	178	1217852	94.771	ng	99
71) Anthracene	11.52	178	579262	44.056	ng	99
72) Carbazole	11.67	167	110670	8.595	ng	99
74) Fluoranthene	12.66	202	877842	67.461	ng	97
77) Pyrene	12.89	202	729785	46.982	ng	99
80) Benzo(a)anthracene	14.07	228	358143m	29.035	ng	
82) Chrysene	14.11	228	267525	22.781	ng	97
85) Indeno(1,2,3-cd)pyrene	17.09	276	68450	7.287	ng	96
87) Benzo(b)fluoranthene	15.14	252	229982m	25.771	ng	
88) Benzo(k)fluoranthene	15.16	252	75456m	8.561	ng	
89) Benzo(a)pyrene	15.52	252	166267	20.297	ng	# 94
90) Dibenzo(a,h)anthracene	17.09	278	19443	2.966	ng	# 77
91) Benzo(a,h,i)perylene	17.54	276	58411	9.014	ng	93

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

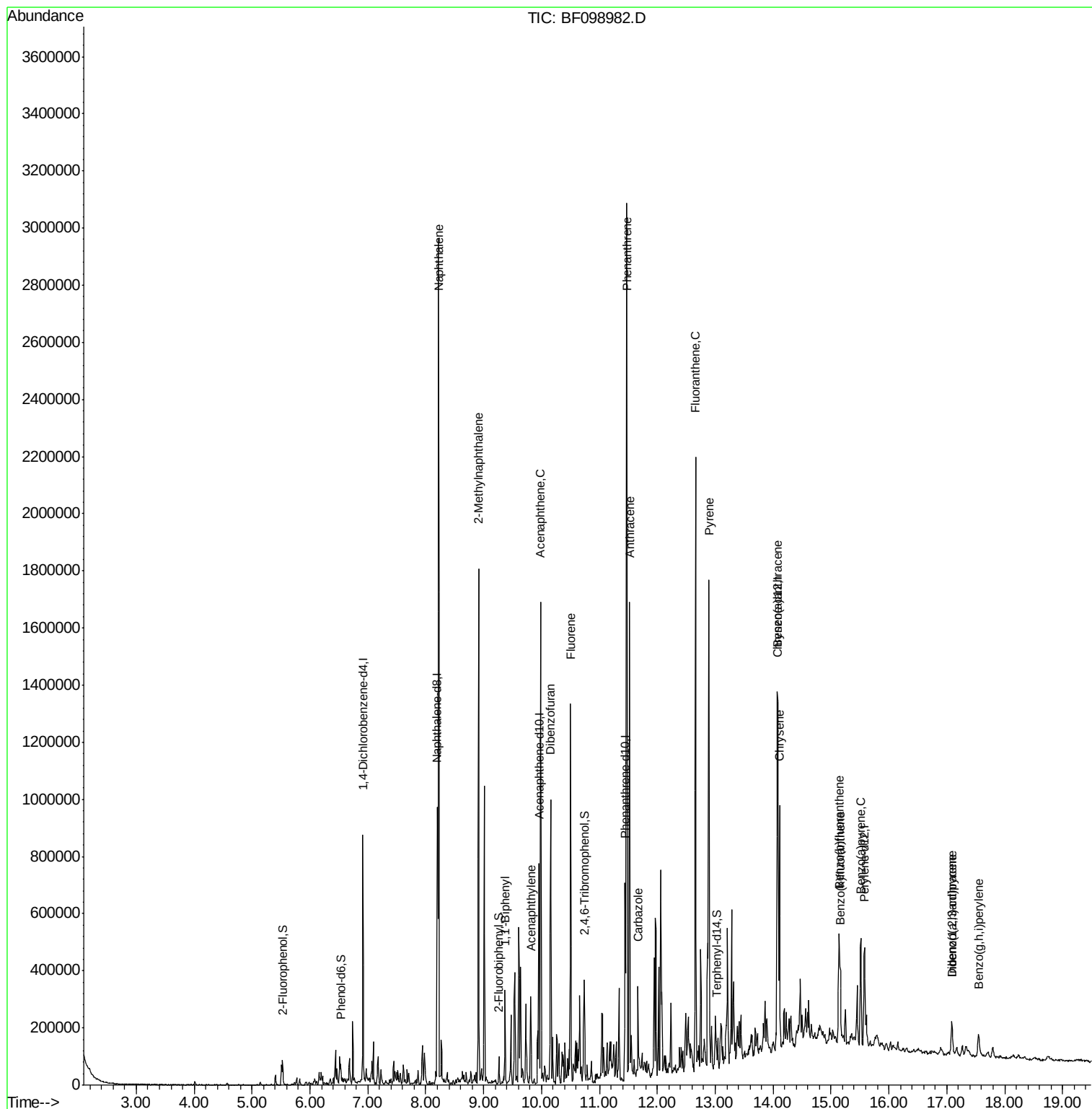
Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
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ALS Vial : 26 Sample Multiplier: 1

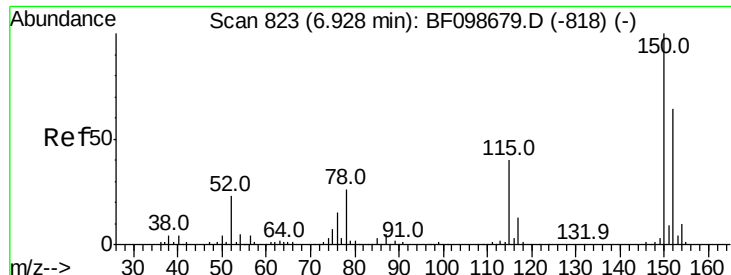
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-8

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#1

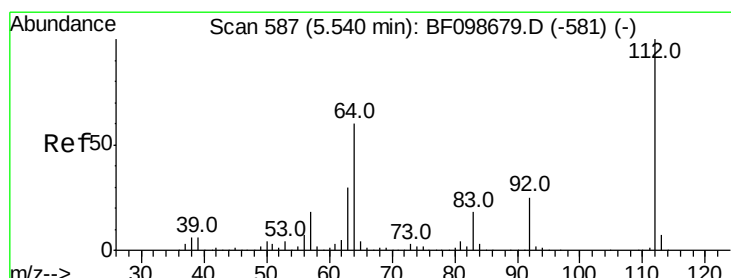
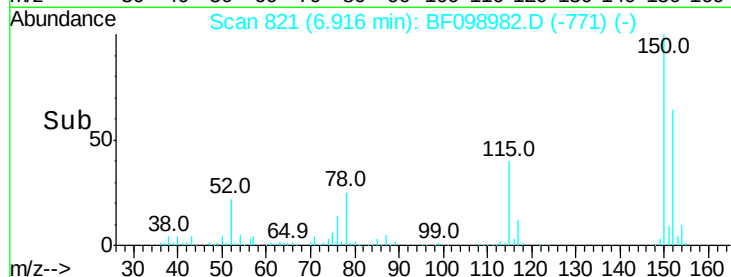
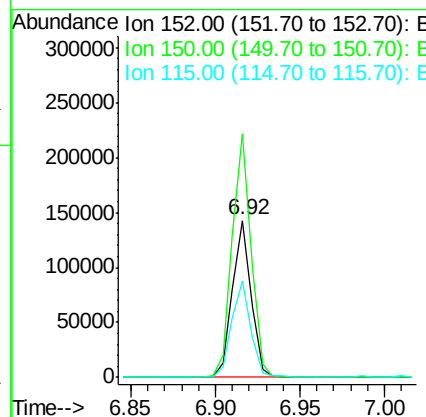
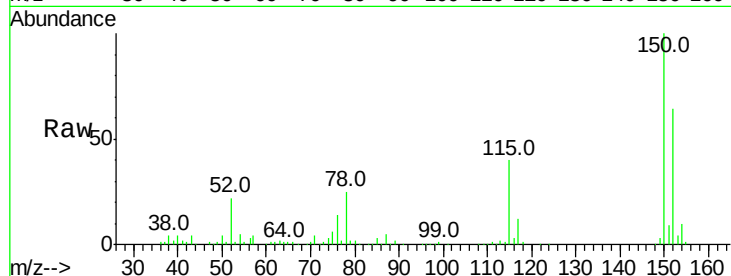
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	61.4	50.1	75.1

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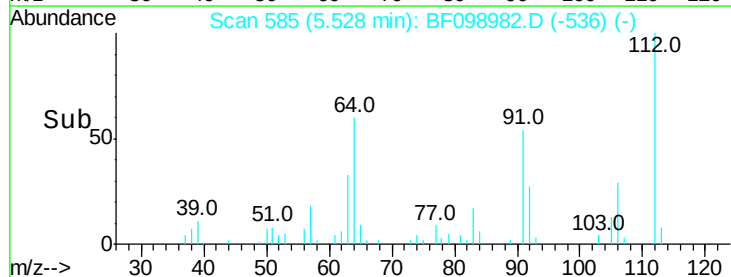
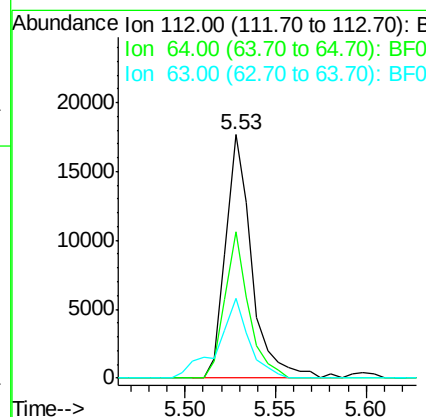
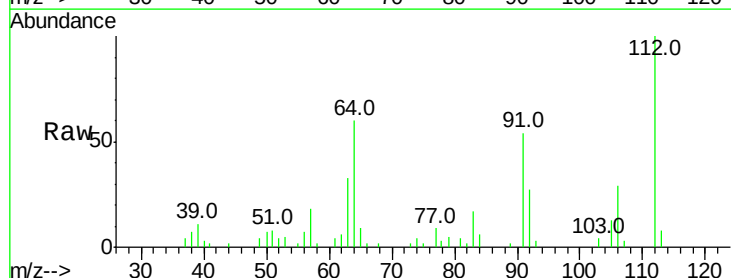
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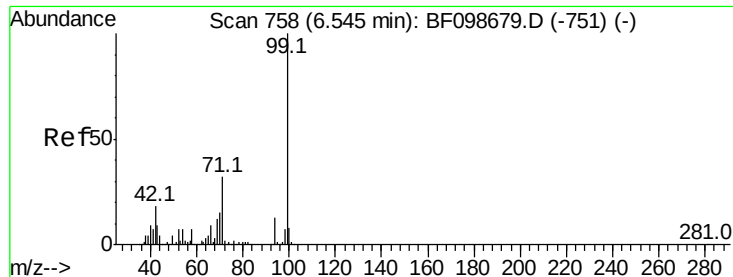


#5

2-Fluorophenol
Concen: 2.583 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.9	71.9
63	32.9	23.7	35.5





#7

Phenol-d6

Concen: 2.661 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-8

Tot Ion: 99 Resp: 22565

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

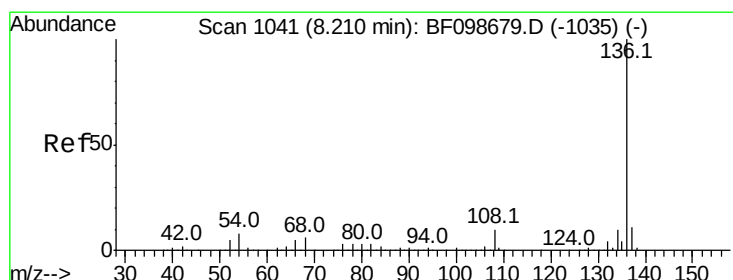
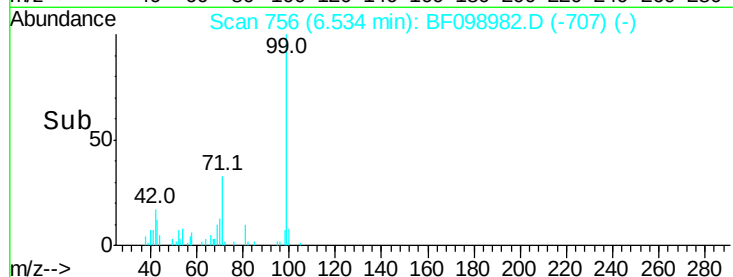
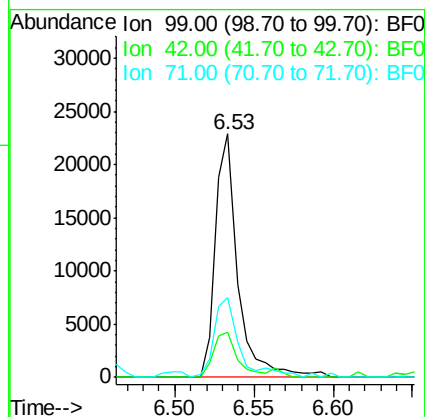
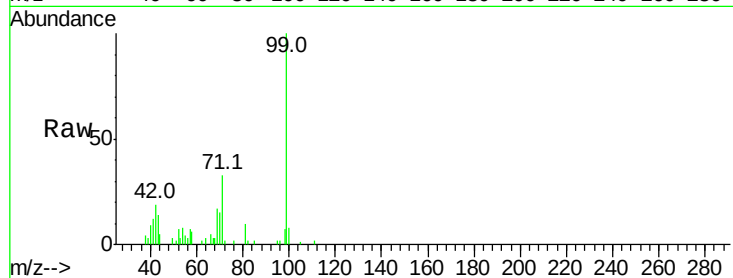
71 32.7 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Tgt Ion: 136 Resp: 409629

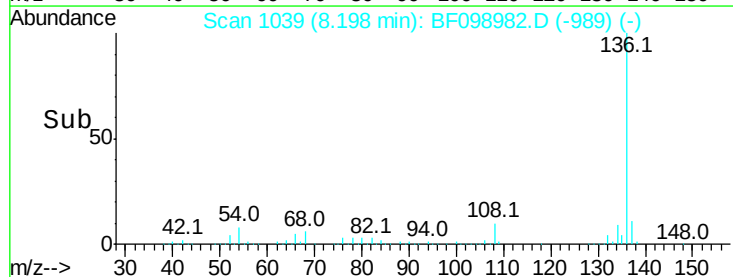
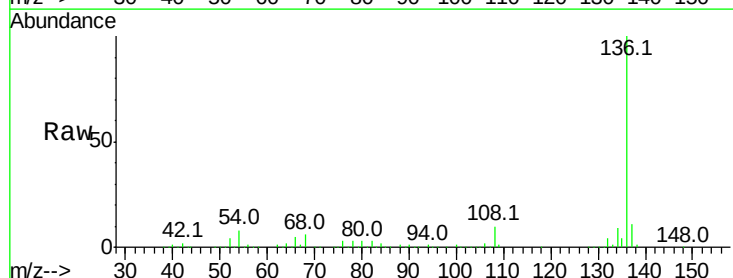
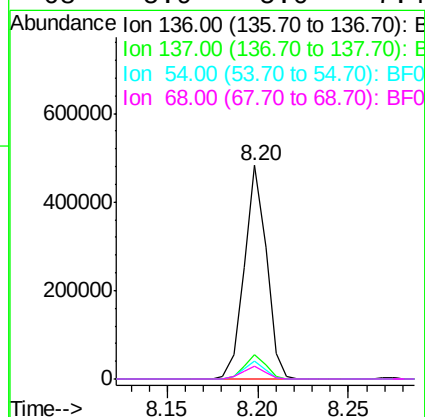
Ion Ratio Lower Upper

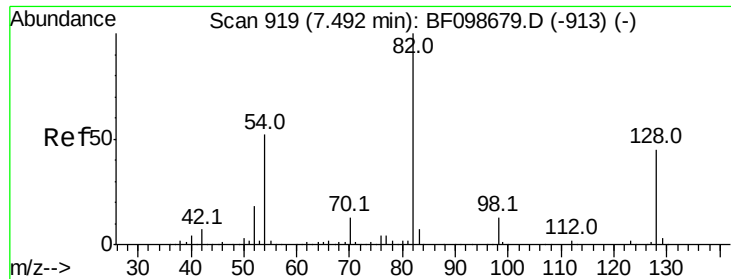
136 100

137 11.2 8.9 13.3

54 8.4 6.6 9.8

68 5.9 5.0 7.4





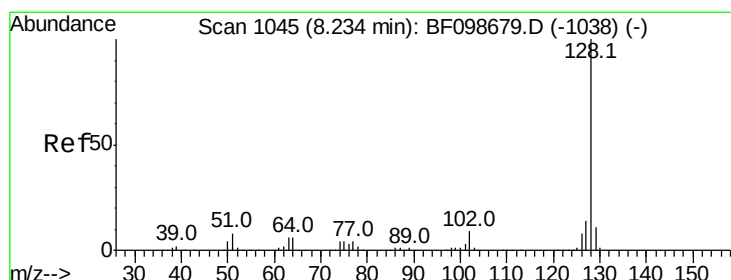
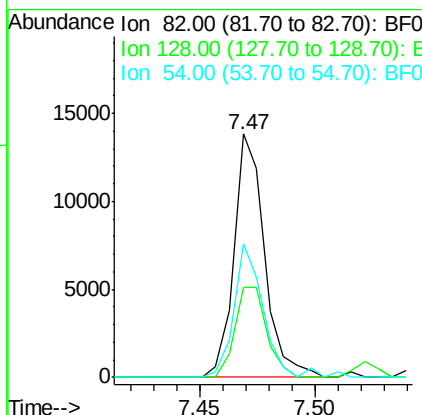
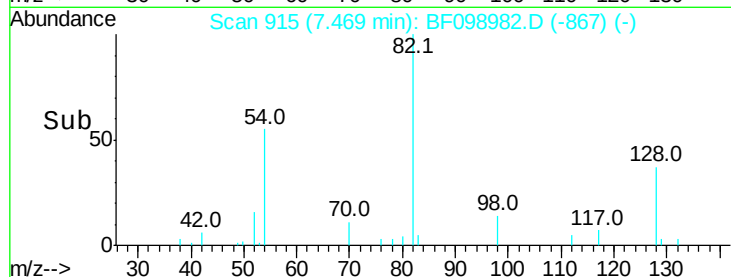
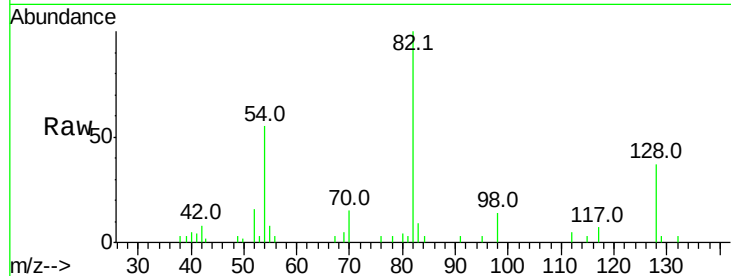
#23
 Nitrobenzene-d5
 Concen: 1.992 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098982.D
 Acq: 1 Oct 2017 00:17

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-8

Tot Ion:	82	Resp:	12726
Ion Ratio	Lower	Upper	
82	100		
128	36.9	36.1	54.1
54	54.8	41.4	62.2

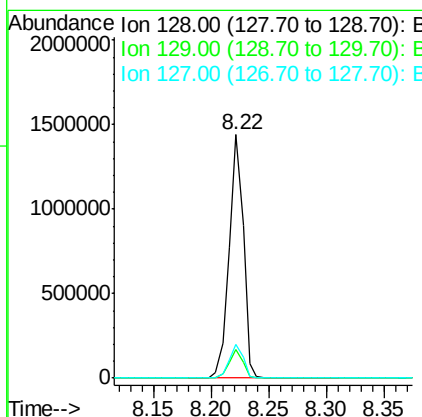
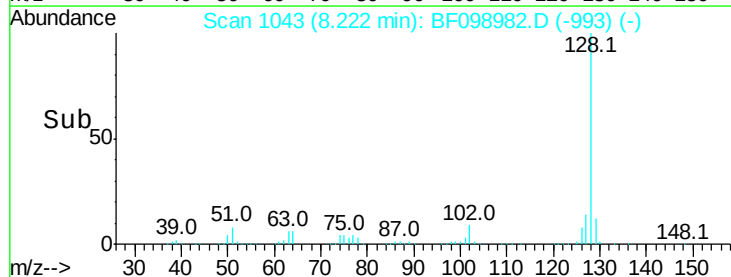
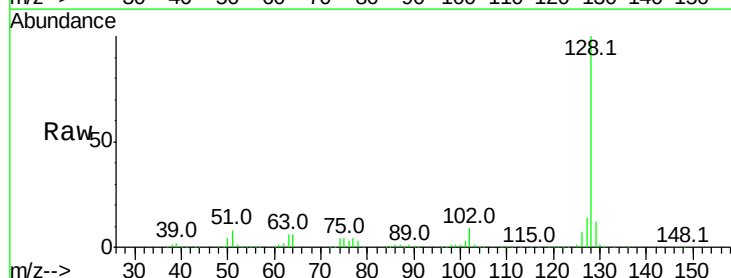
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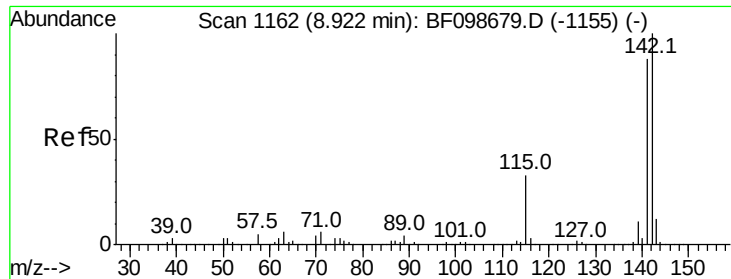
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#31
 Naphthalene
 Concen: 63.777 ng
 RT: 8.22 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF098982.D
 Acq: 1 Oct 2017 00:17

Tgt Ion:	128	Resp:	1226990
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.8	13.2
127	13.9	10.9	16.3





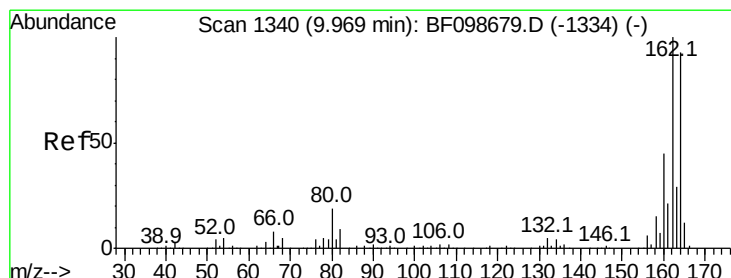
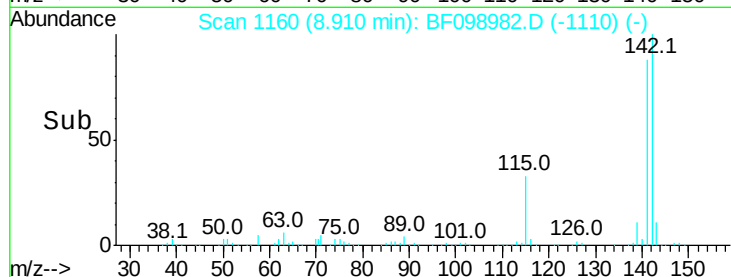
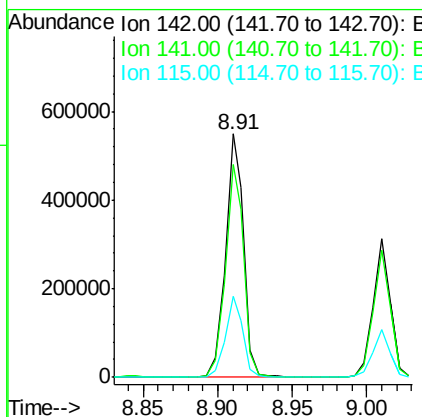
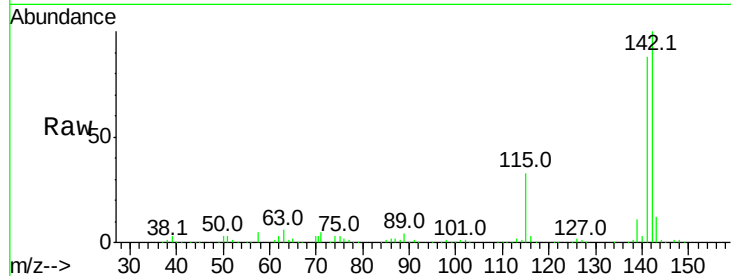
#37
2-Methylnaphthalene
Concen: 37.783 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-8

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	33.0	26.1	39.1

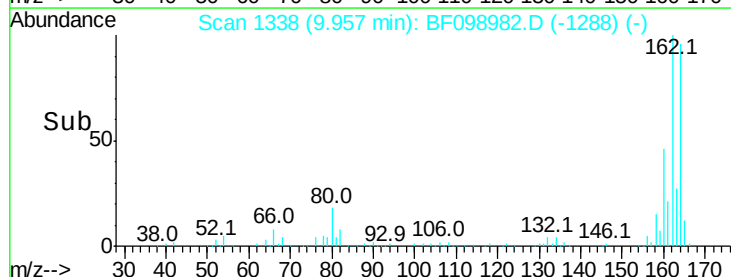
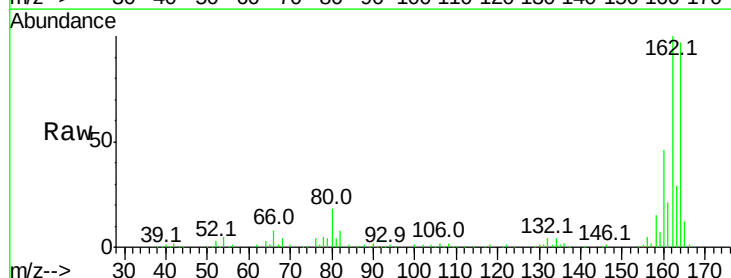
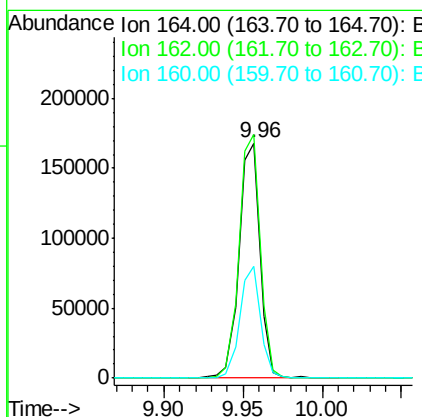
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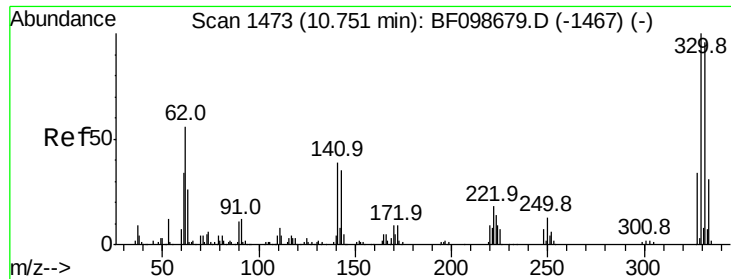
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	47.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 2.042 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Instrument :

BNA_F

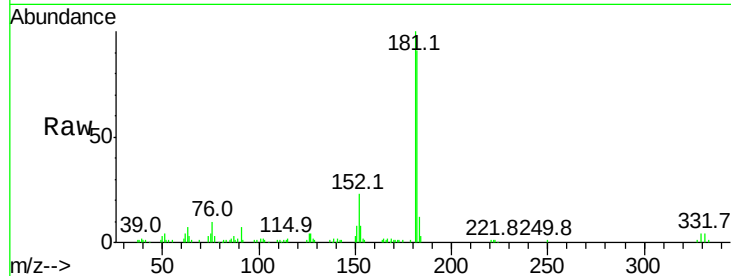
ClientSampleId :

NYSEG-PH4-SB-ESMI-8

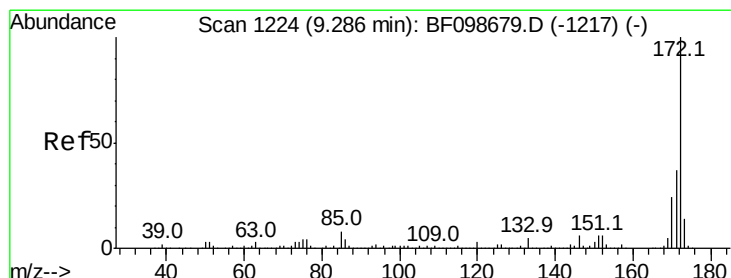
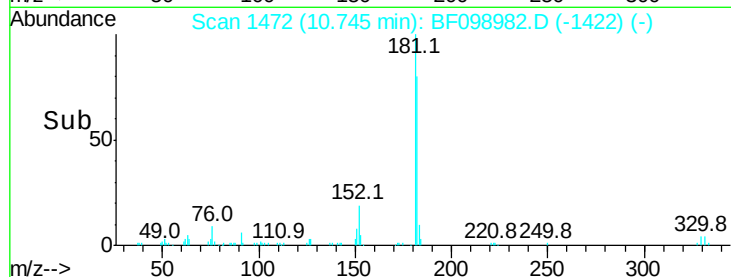
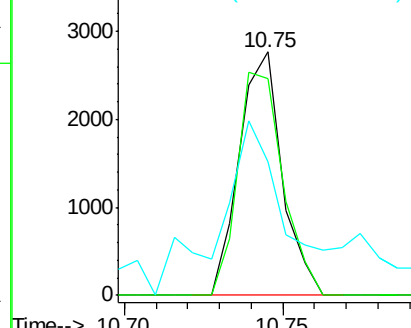
Tot Ion:	330	Resp:	2581
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.0	115.6
141	107.7	29.9	44.9#

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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: 2.519 ng

RT: 9.27 min Scan# 1221

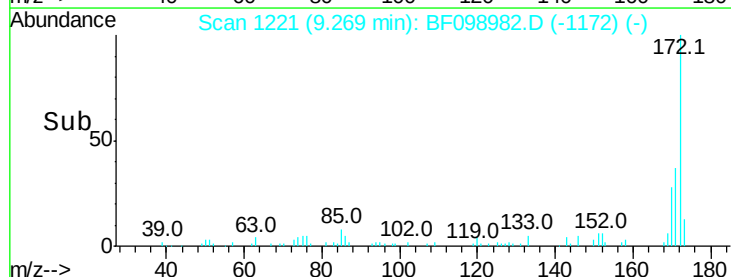
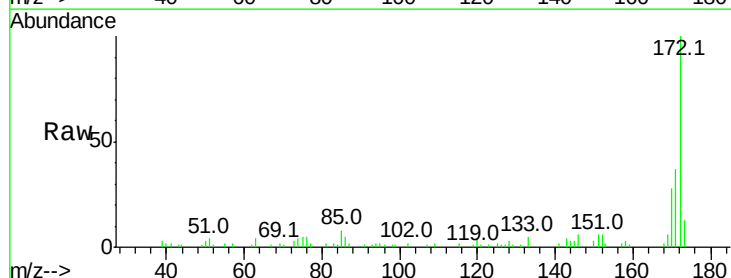
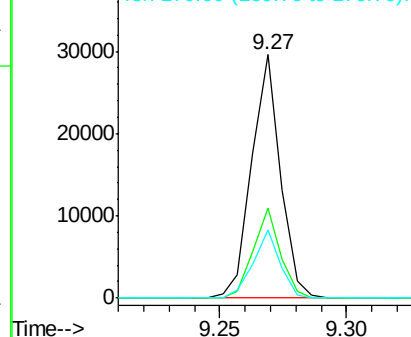
Delta R.T. -0.01 min

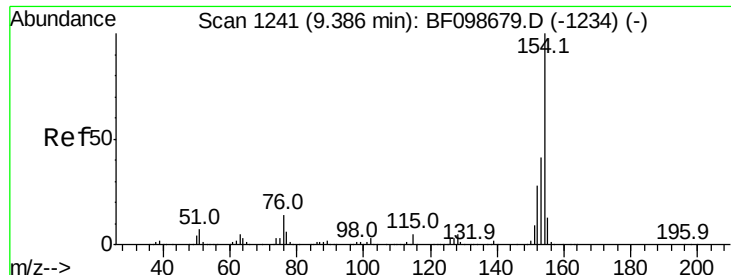
Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Tgt Ion:	172	Resp:	23304
Ion Ratio	Lower	Upper	
172	100		
171	36.9	29.7	44.5
170	27.8	19.6	29.4

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





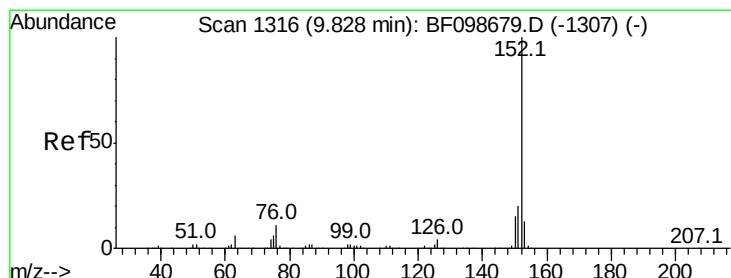
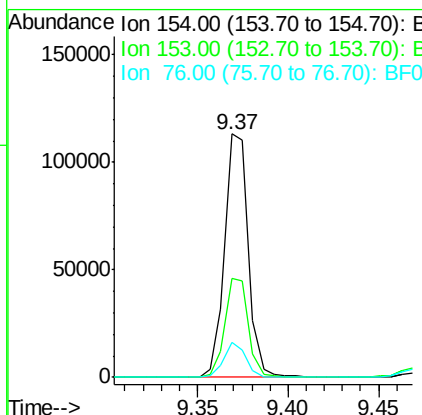
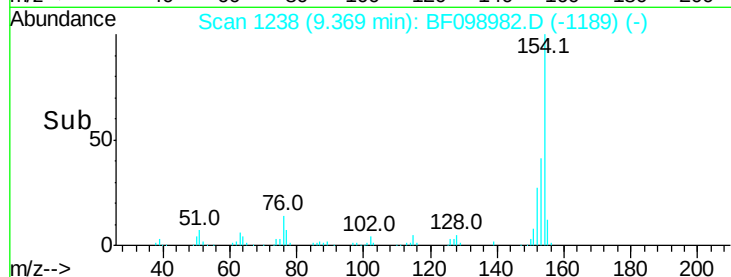
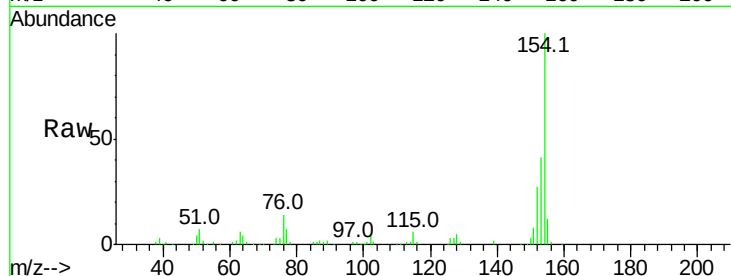
#45
 1,1'-Biphenyl
 Concen: 7.781 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF098982.D
 Acq: 1 Oct 2017 00:17

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-8

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.9	21.3	61.3	
76	14.3	0.0	34.0	

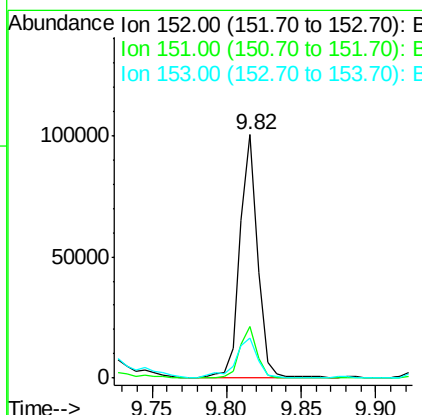
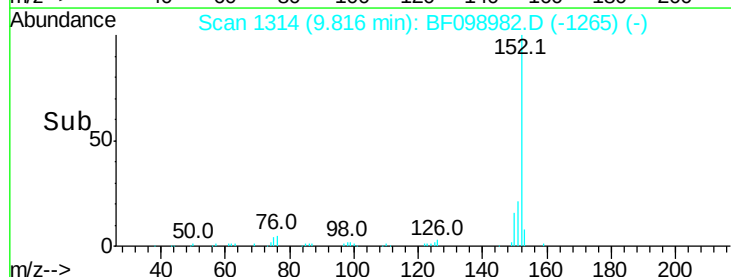
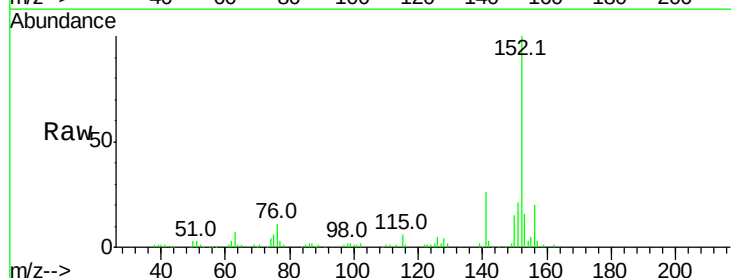
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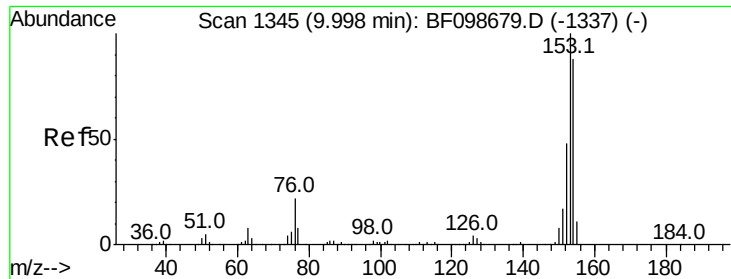
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#48
 Acenaphthylene
 Concen: 5.522 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF098982.D
 Acq: 1 Oct 2017 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.2	16.3	24.5	
153	16.3	10.7	16.1#	





#51

Acenaphthene

Concen: 34.997 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Instrument :

BNA_F

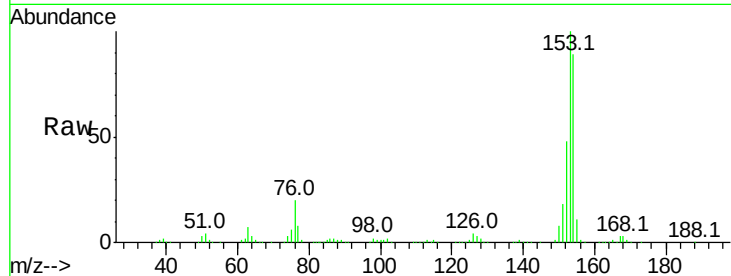
ClientSampleId :

NYSEG-PH4-SB-ESMI-8

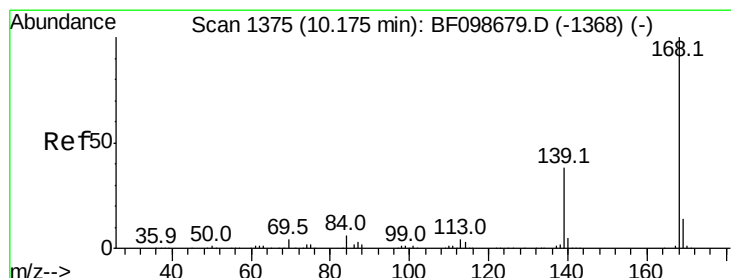
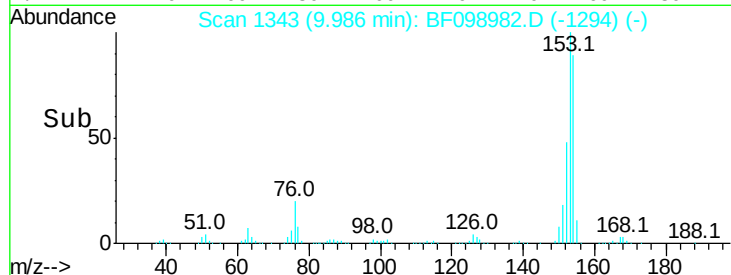
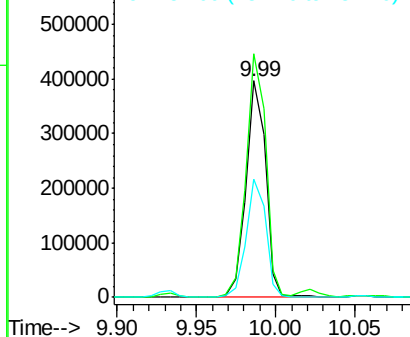
Tot Ion:	154	Resp:	338220
Ion Ratio	Lower	Upper	
154	100		
153	112.5	91.2	136.8
152	54.5	43.8	65.8

Manual Integrations
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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: 25.554 ng

RT: 10.16 min Scan# 1372

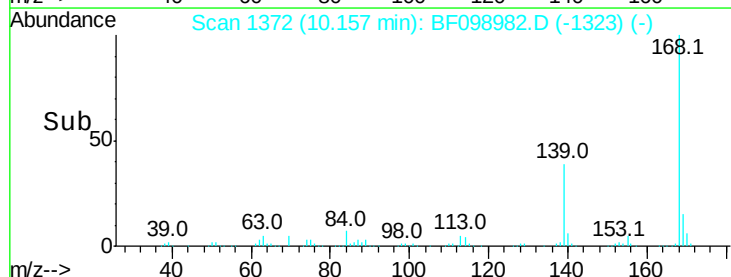
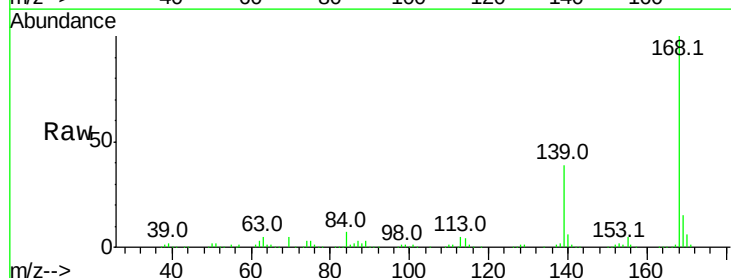
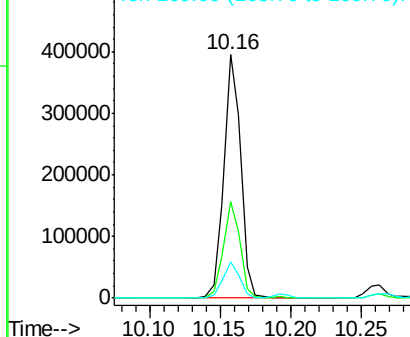
Delta R.T. -0.01 min

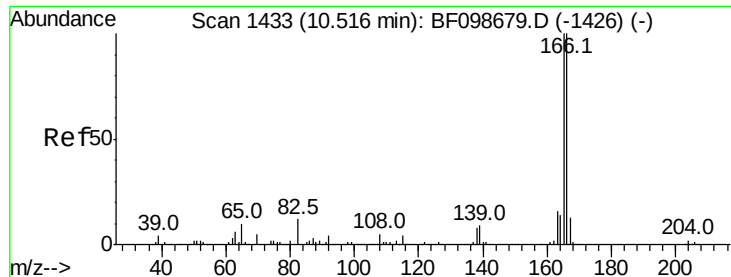
Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Tgt Ion:	168	Resp:	328816
Ion Ratio	Lower	Upper	
168	100		
139	39.4	30.1	45.1
169	14.7	10.9	16.3

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: 36.133 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-8

Tot Ion:166 Resp: 373702

Ion Ratio Lower Upper

166 100

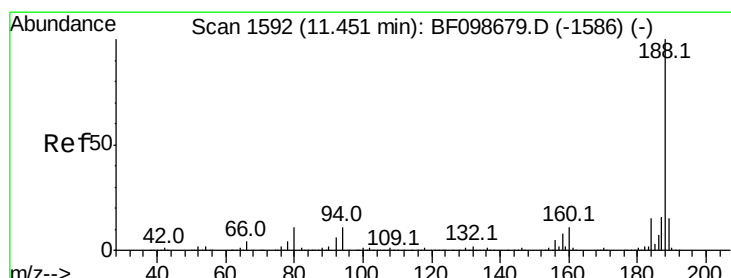
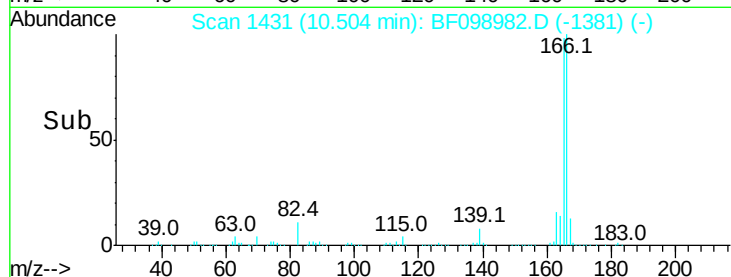
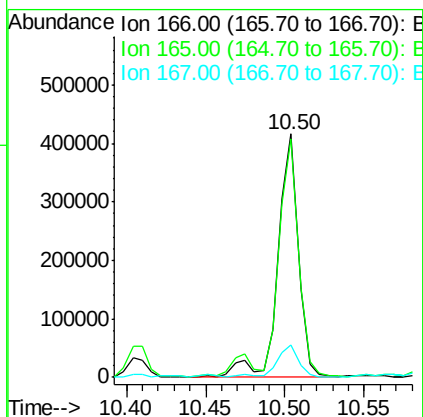
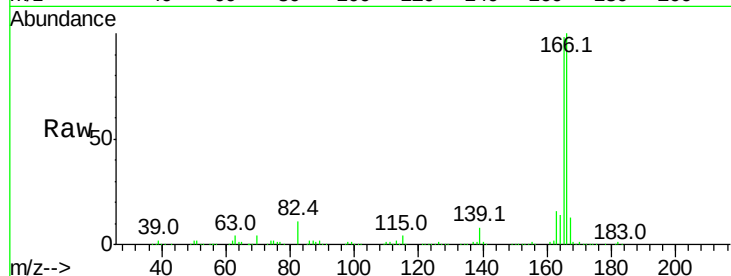
165 98.2 79.8 119.8

167 13.3 10.6 16.0

Manual Integrations
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Sohil

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

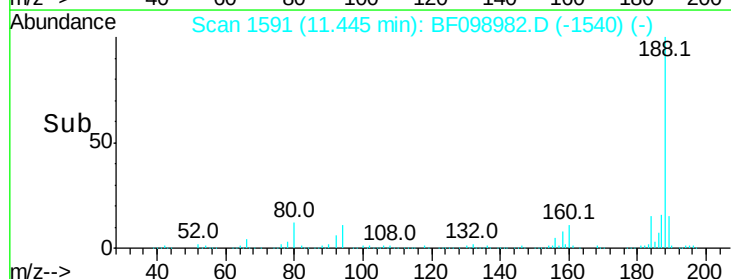
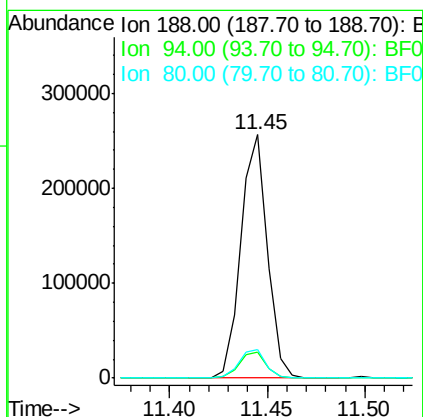
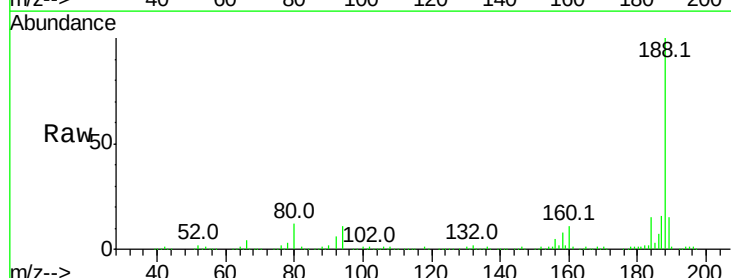
Tgt Ion:188 Resp: 240073

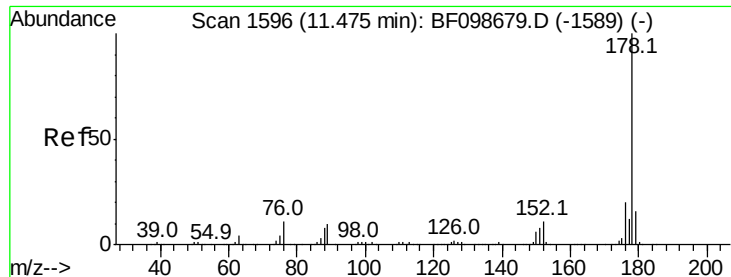
Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

80 11.7 9.2 13.8





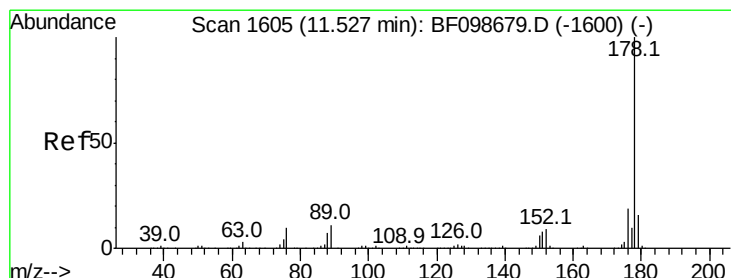
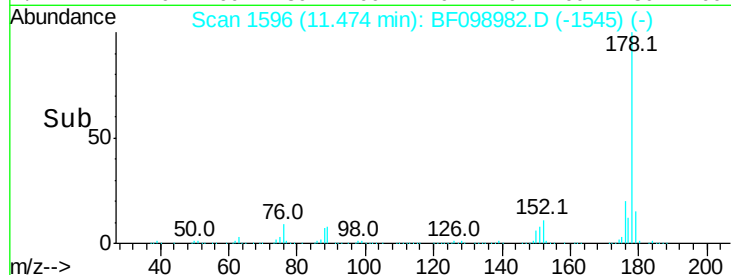
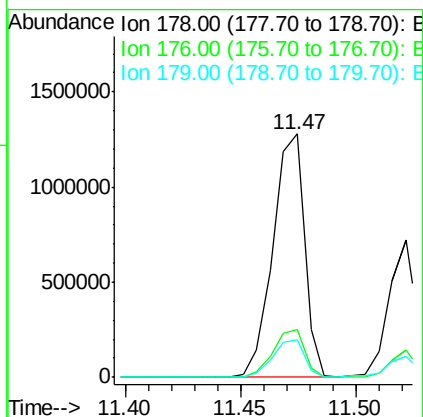
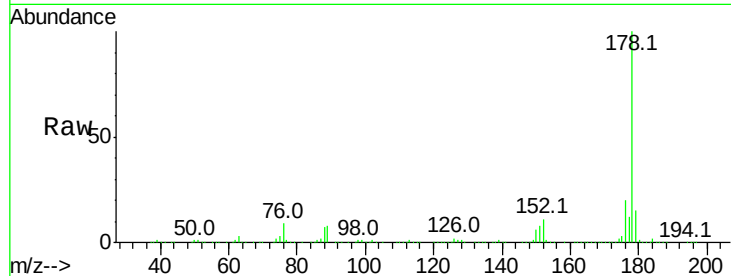
#70
Phenanthrene
Concen: 94.771 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-8

Tot Ion:178 Resp: 1217852
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.4 13.0 19.6

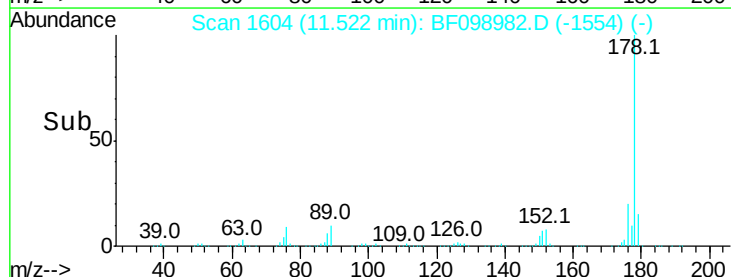
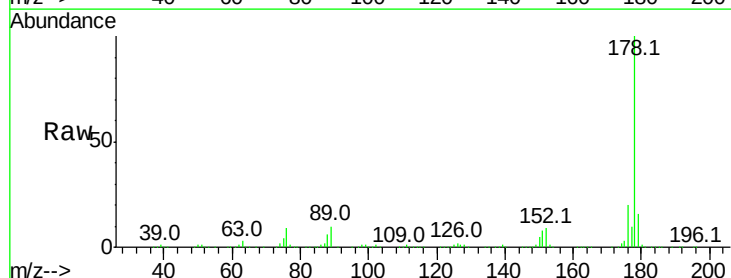
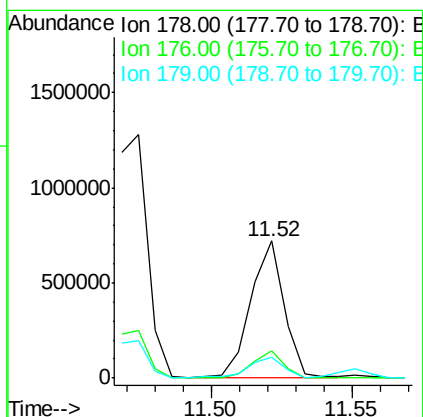
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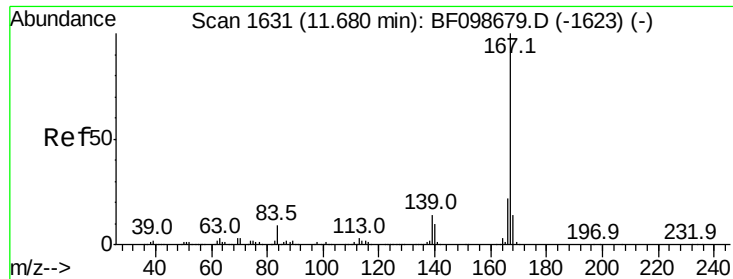
Sohil
10/2/2017 5:44:53 PM



#71
Anthracene
Concen: 44.056 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Tgt Ion:178 Resp: 579262
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 15.6 12.6 19.0





#72

Carbazole

Concen: 8.595 ng

RT: 11.67 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Instrument :

BNA_F

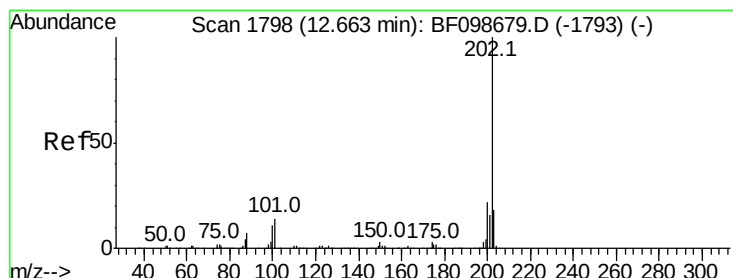
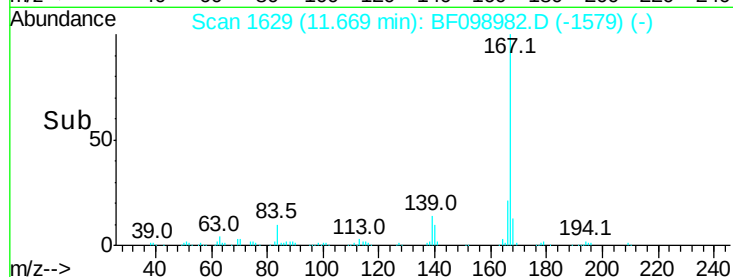
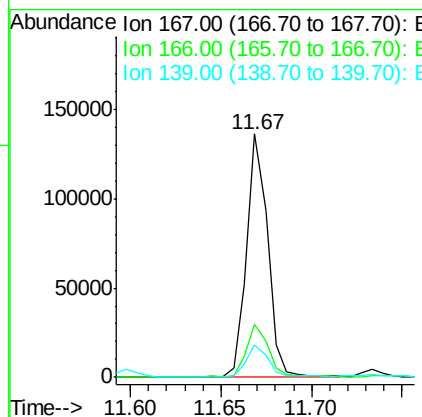
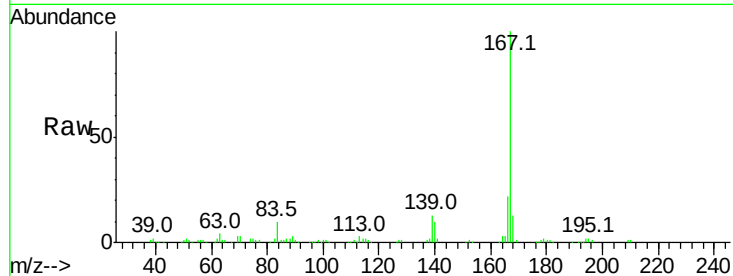
ClientSampleId :

NYSEG-PH4-SB-ESMI-8

Tot Ion:	167	Resp:	110670
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.6	26.4
139	13.5	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 67.461 ng

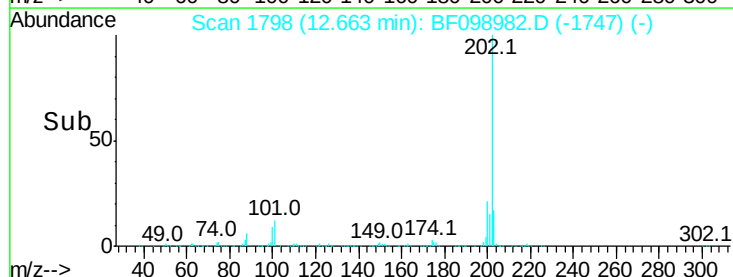
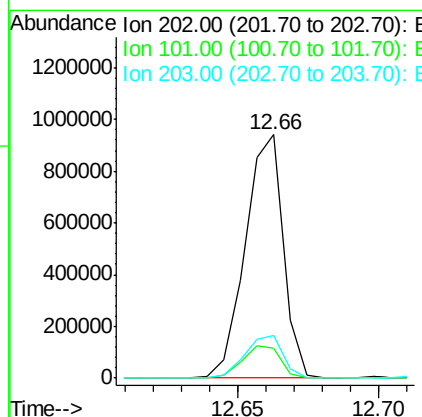
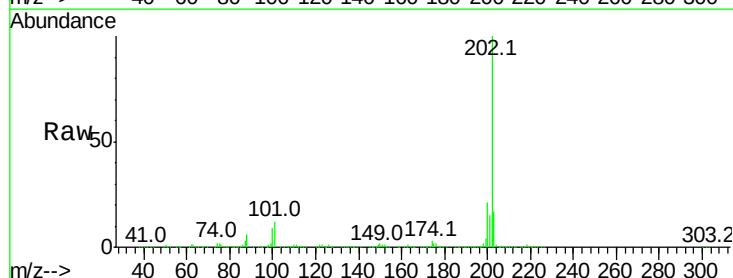
RT: 12.66 min Scan# 1798

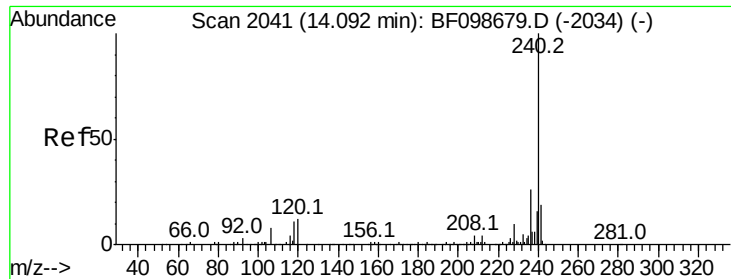
Delta R.T. -0.00 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Tgt Ion:	202	Resp:	877842
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Instrument :

BNA_F

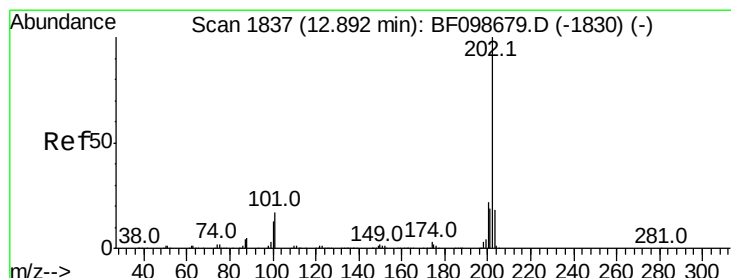
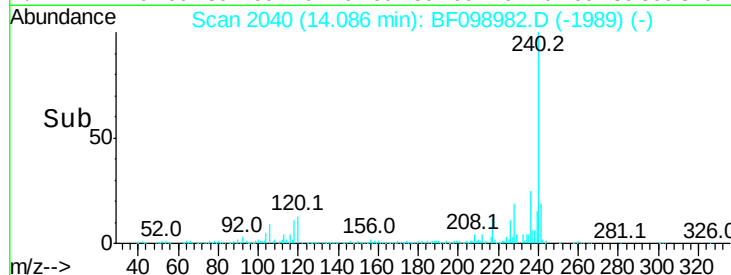
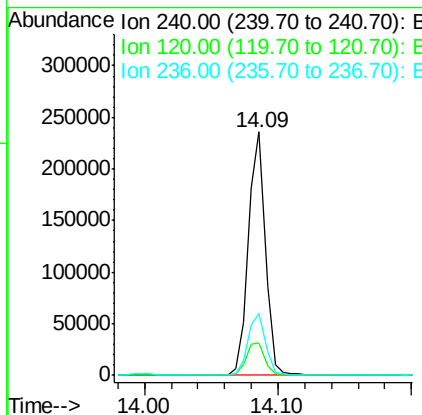
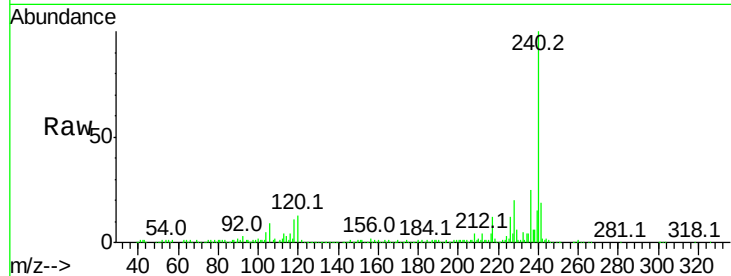
ClientSampleId :

NYSEG-PH4-SB-ESMI-8

Tot Ion:	240	Resp:	203707
Ion Ratio	Lower	Upper	
240	100		
120	13.3	9.5	14.3
236	25.4	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 46.982 ng

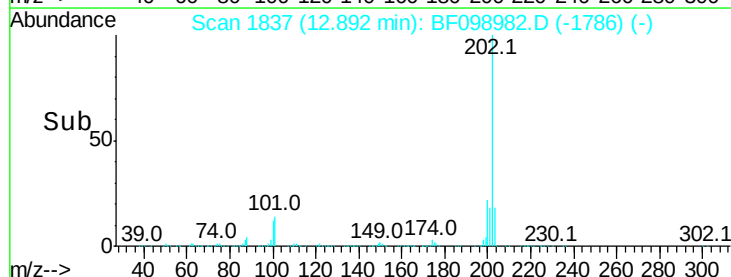
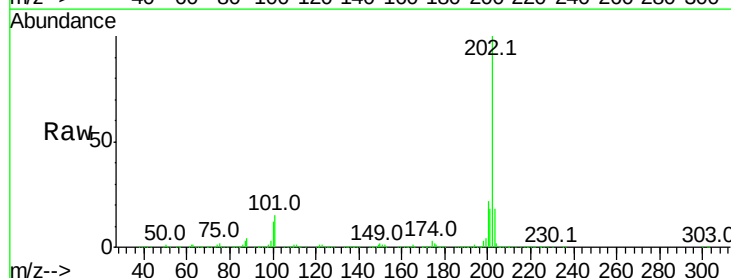
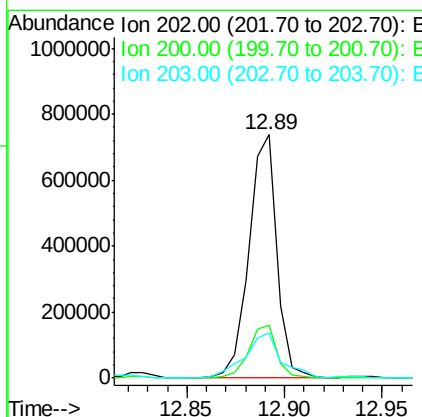
RT: 12.89 min Scan# 1837

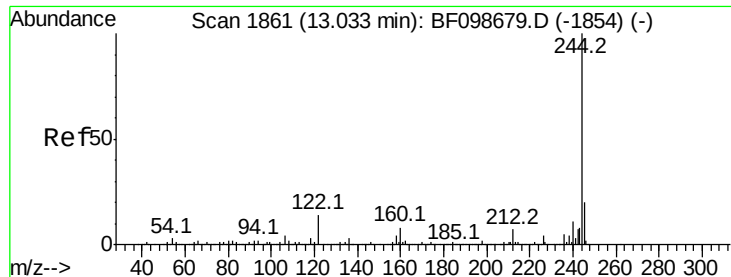
Delta R.T. -0.00 min

Lab File: BF098982.D

Acq: 1 Oct 2017 00:17

Tgt Ion:	202	Resp:	729785
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.5	14.3	21.5





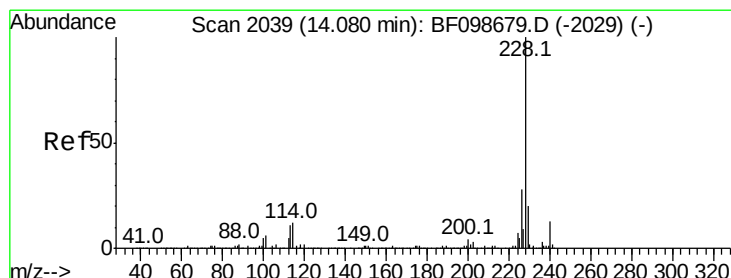
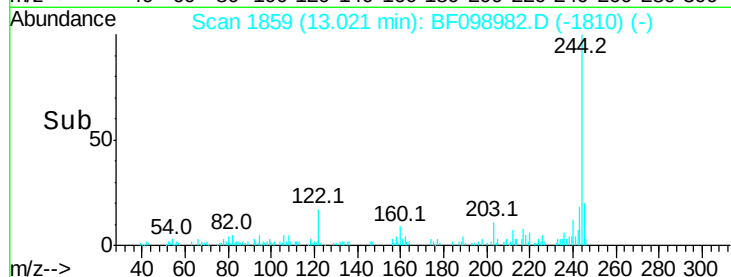
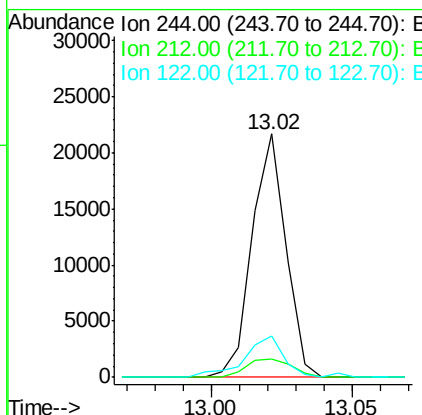
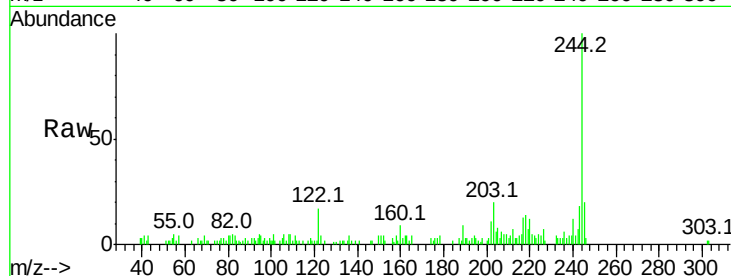
#78
 Terphenyl-d14
 Concen: 2.013 ng
 RT: 13.02 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: BF098982.D
 Acq: 1 Oct 2017 00:17

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	17.2	11.0	16.4

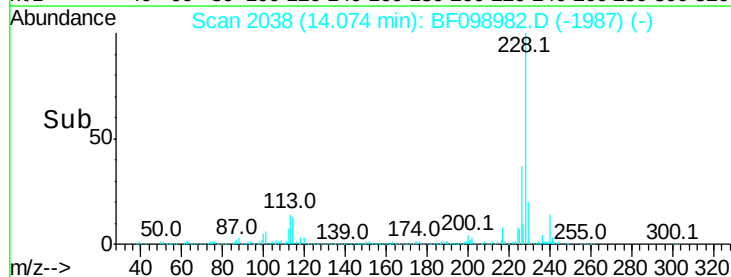
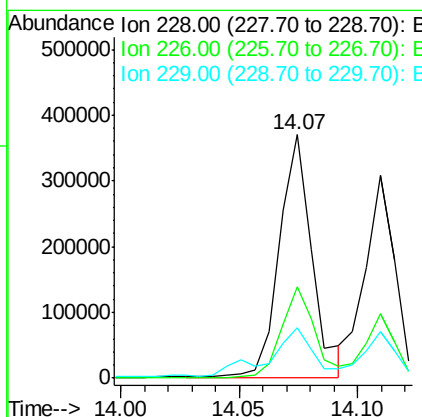
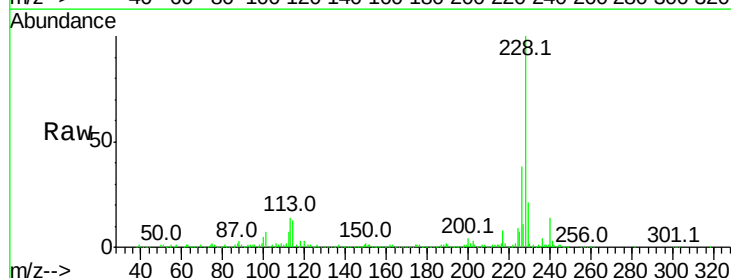
Manual Integrations
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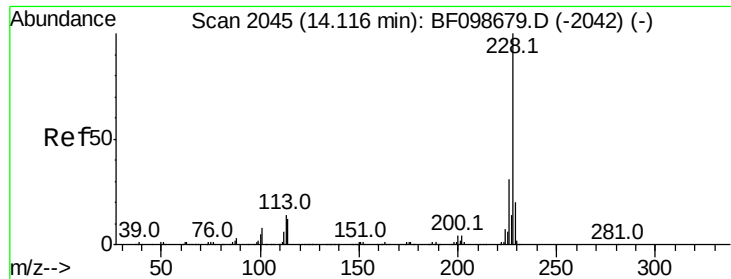
Sohil
 10/2/2017 5:44:53 PM



#80
 Benzo(a)anthracene
 Concen: 29.035 ng m
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: BF098982.D
 Acq: 1 Oct 2017 00:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.6	22.6	33.8
229	20.6	15.8	23.6





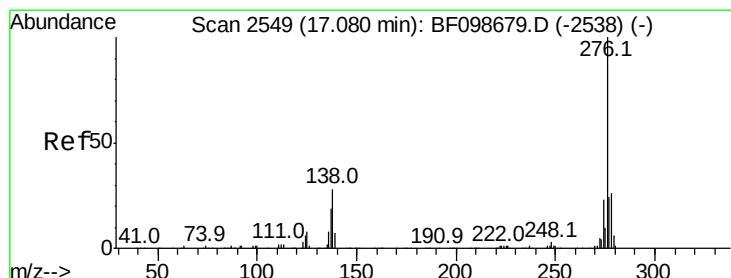
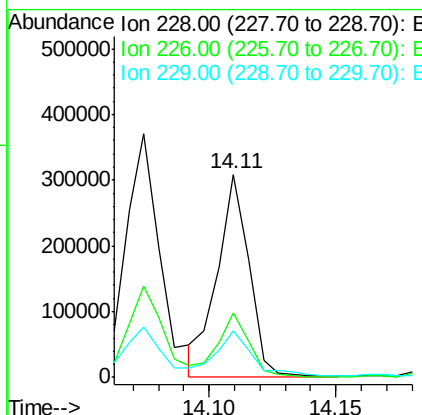
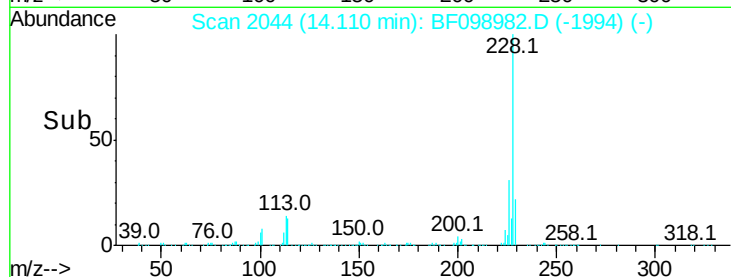
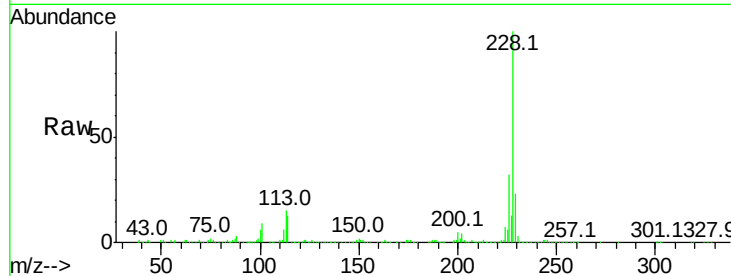
#82
Chrysene
Concen: 22.781 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-8

Tot Ion:	228	Resp:	267525
Ion Ratio	Lower	Upper	
228	100		
226	31.7	25.0	37.6
229	22.9	16.2	24.4

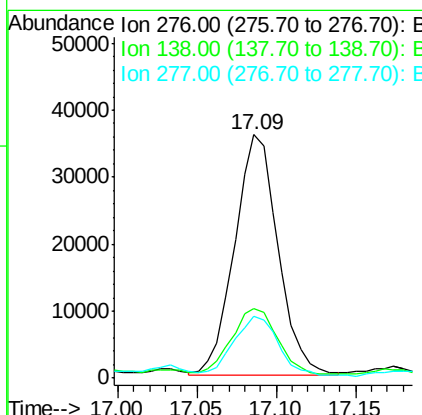
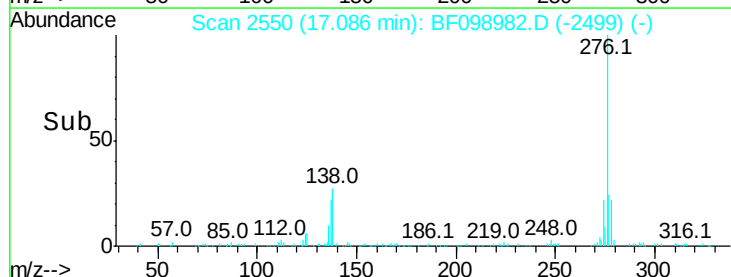
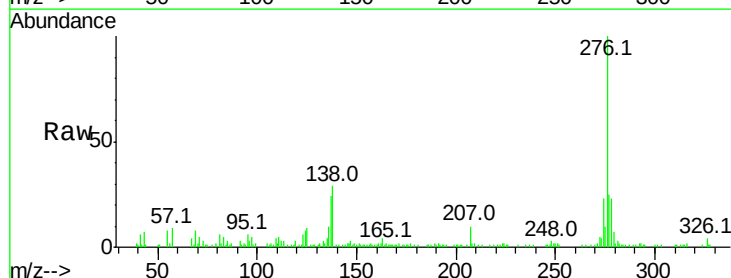
Manual Integrations
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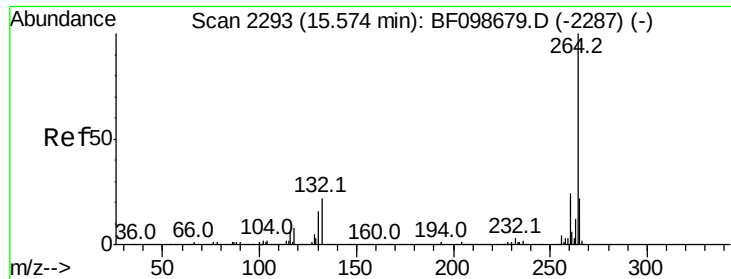
Sohil
10/2/2017 5:44:53 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.287 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Tgt Ion:	276	Resp:	68450
Ion Ratio	Lower	Upper	
276	100		
138	28.4	25.0	37.6
277	24.4	20.1	30.1





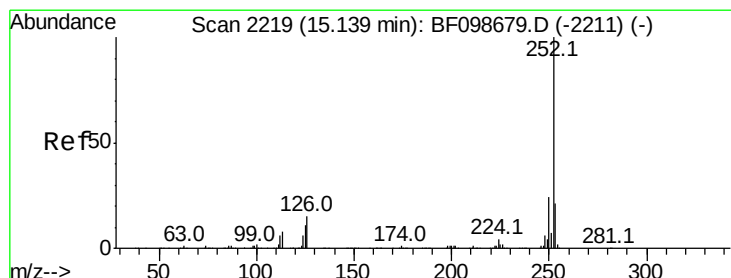
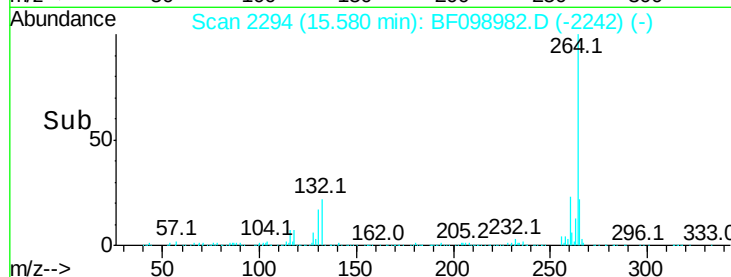
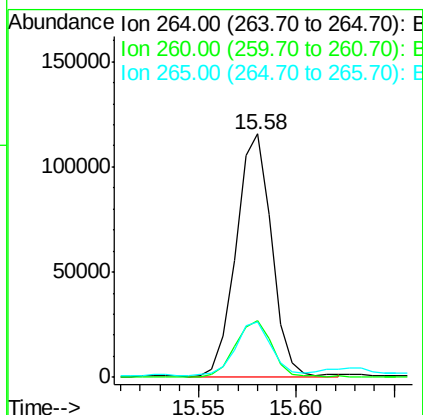
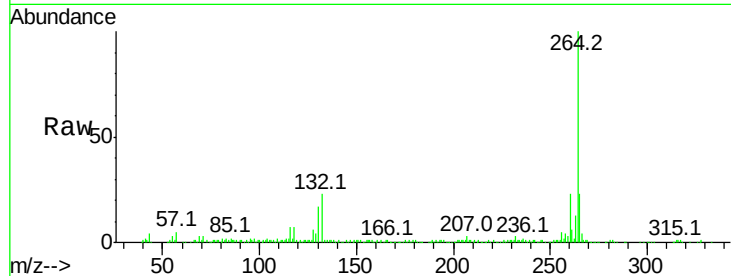
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-8

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.6	17.5	26.3

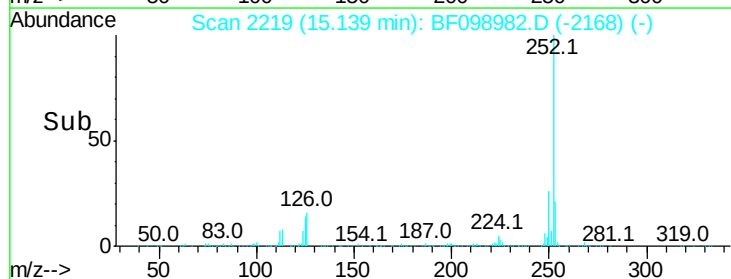
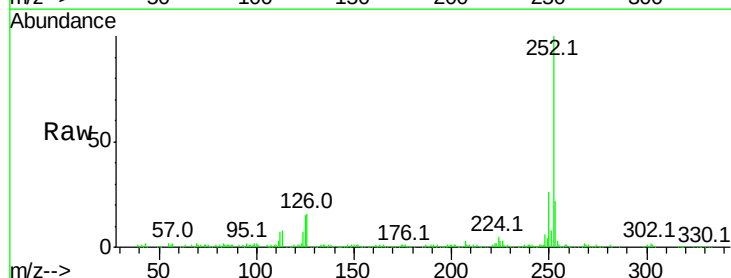
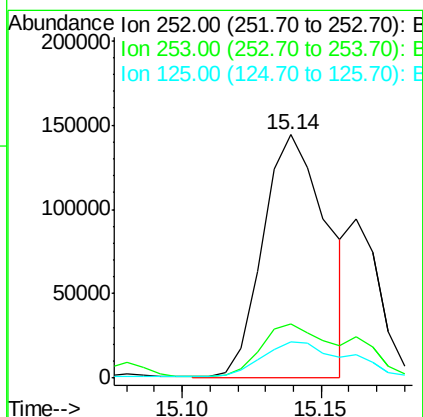
Manual Integrations
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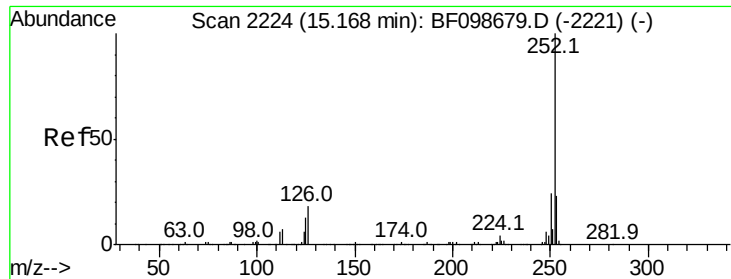
Sohil
10/2/2017 5:44:53 PM



#87
Benzo(b)fluoranthene
Concen: 25.771 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	14.8	9.0	13.6#





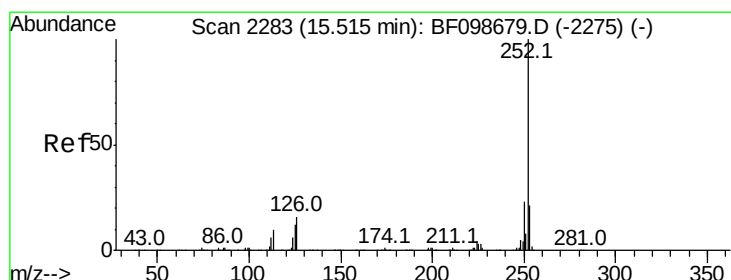
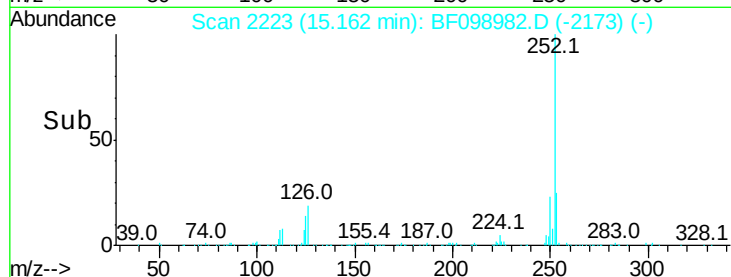
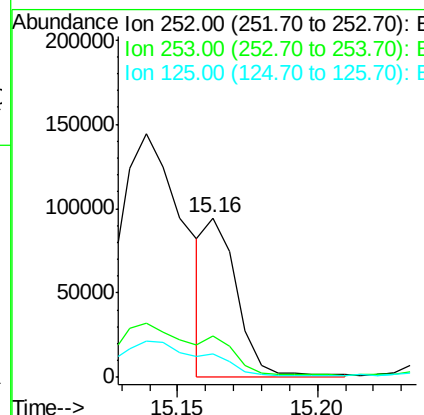
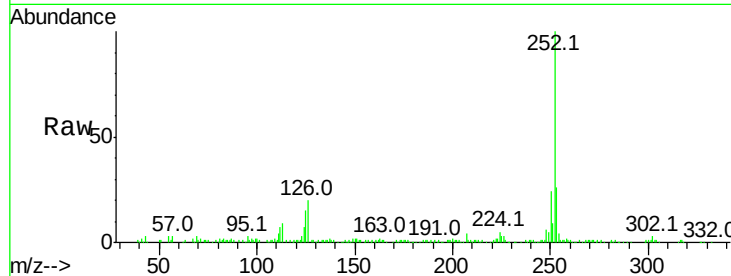
#88
Benzo(k)fluoranthene
Concen: 8.561 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	15.0	10.2	15.2

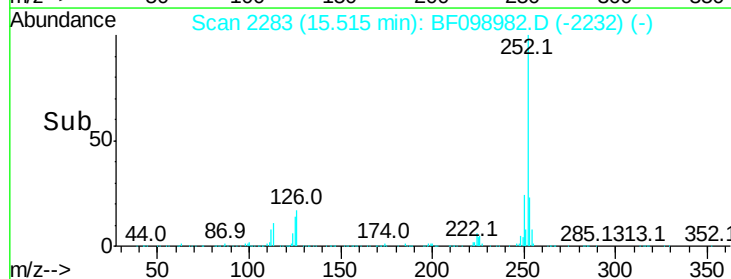
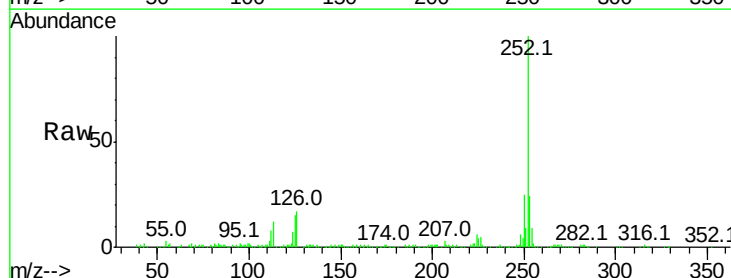
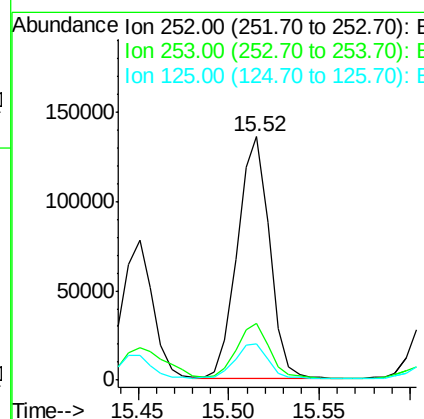
Manual Integrations
APPROVED

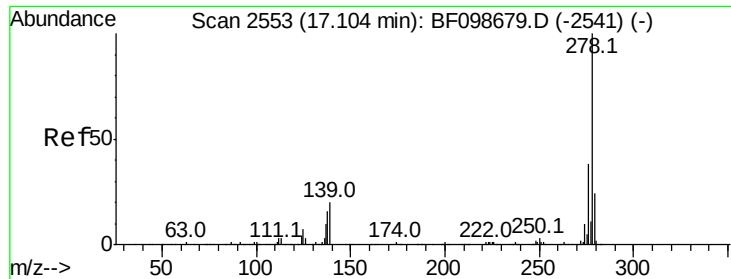
Sohil
10/2/2017 5:44:53 PM



#89
Benzo(a)pyrene
Concen: 20.297 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	15.0	9.8	14.6





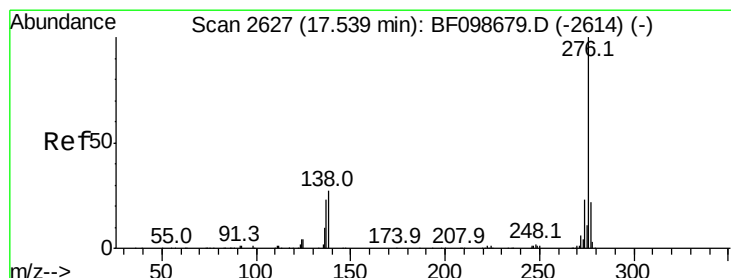
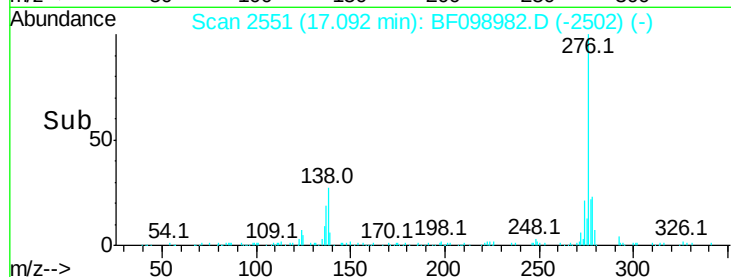
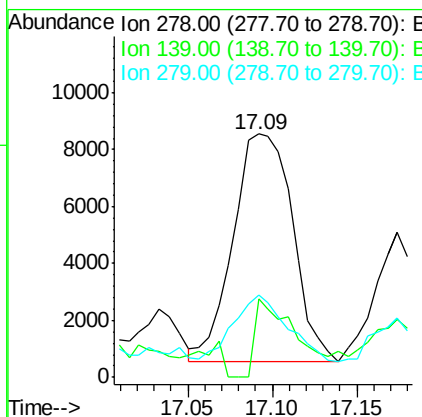
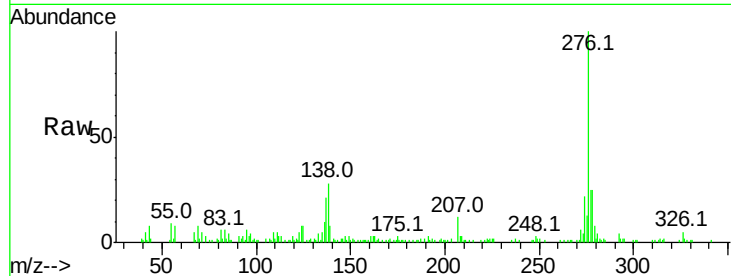
#90
Dibenzo(a,h)anthracene
Concen: 2.966 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-8

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.4	15.9	23.9#
279	33.7	19.0	28.4#

Manual Integrations
APPROVED

Sohil
10/2/2017 5:44:53 PM



#91
Benzo(g,h,i)perylene
Concen: 9.014 ng
RT: 17.54 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BF098982.D
Acq: 1 Oct 2017 00:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	32.5	21.8	32.8

