

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097575.D
 Acq On : 10 Aug 2017 23:15
 Operator : SJ/JU
 Sample : I4697-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 11 04:38:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	106801	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	443814	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	176254	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	243232	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	168849	20.00	ng	-0.02
86) Perylene-d12	14.86	264	185480	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	668347	94.34	ng	-0.02
7) Phenol-d6	6.07	99	778433	96.25	ng	-0.02
23) Nitrobenzene-d5	6.97	82	449406	59.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	113250	81.32	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	654273	63.00	ng	-0.02
78) Terphenyl-d14	12.47	244	317686	38.36	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.70	128	137977	6.595	ng	98
37) 2-Methylnaphthalene	8.39	142	70410	5.316	ng	98
48) Acenaphthylene	9.28	152	48178	2.833	ng	97
49) Dimethylphthalate	9.16	163	136189	10.175	ng	99
51) Acenaphthene	9.45	154	131019	13.081	ng	98
54) Dibenzofuran	9.62	168	135336	10.144	ng	99
57) Fluorene	9.96	166	146383	14.598	ng	99
70) Phenanthrene	10.92	178	969070	74.358	ng	99
71) Anthracene	10.97	178	316896	23.741	ng	100
72) Carbazole	11.14	167	129805	9.888	ng	97
74) Fluoranthene	12.10	202	890559	69.753	ng	99
77) Pylene	12.33	202	797031	57.659	ng	100
80) Benzo(a)anthracene	13.52	228	426328	39.022	ng	98
82) Chrysene	13.55	228	391482m	36.696	ng	
85) Indeno(1,2,3-cd)pyrene	16.05	276	154491	16.889	ng	96
87) Benzo(b)fluoranthene	14.52	252	485276m	43.524	ng	
88) Benzo(k)fluoranthene	14.54	252	141322m	13.301	ng	
89) Benzo(a)pyrene	14.82	252	312150	30.590	ng	98
90) Dibenzo(a,h)anthracene	16.04	278	35598m	4.254	ng	
91) Benzo(a,h,i)perylene	16.40	276	134091	15.280	ng	97

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

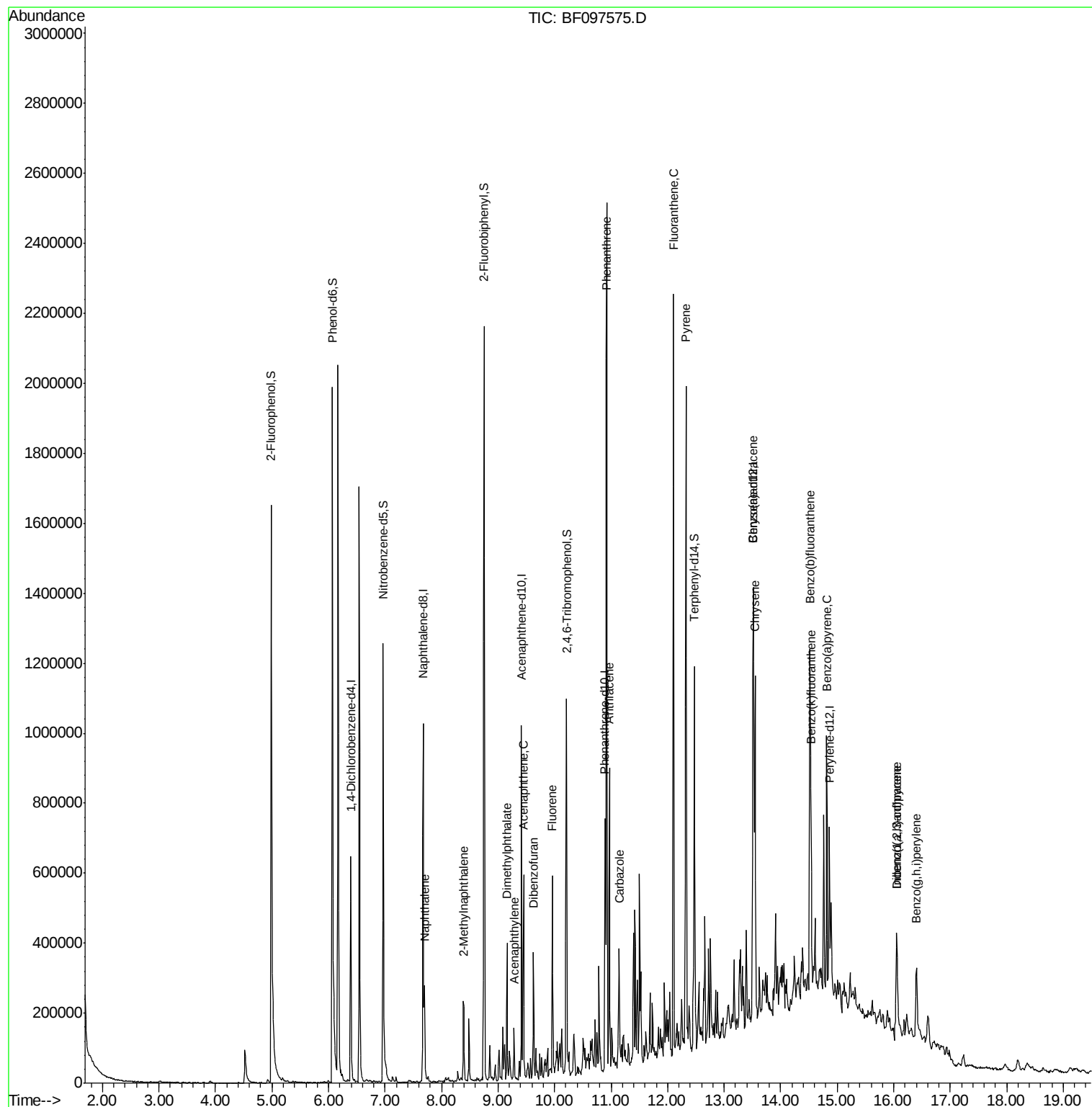
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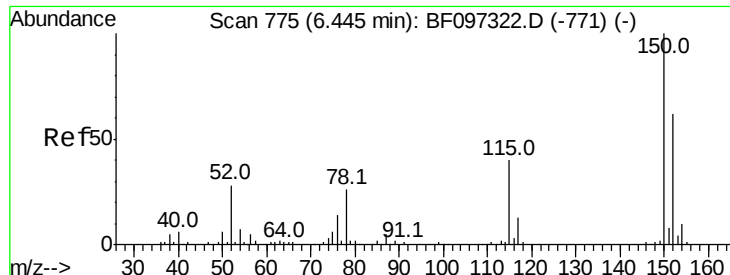
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-4A

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#1

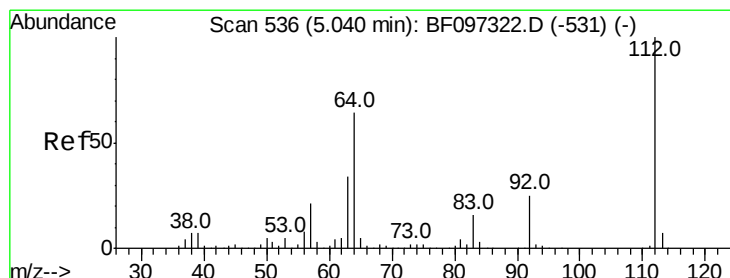
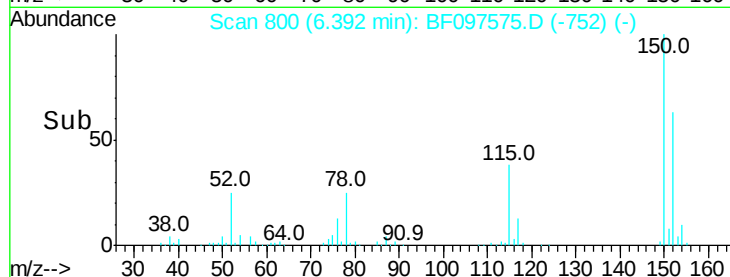
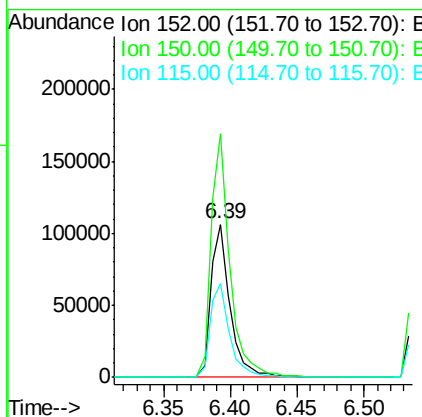
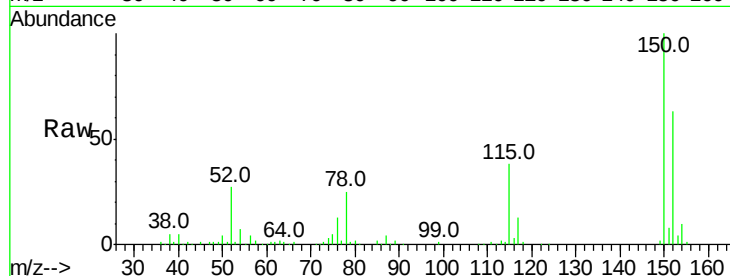
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.39 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	61.4	52.2	78.2

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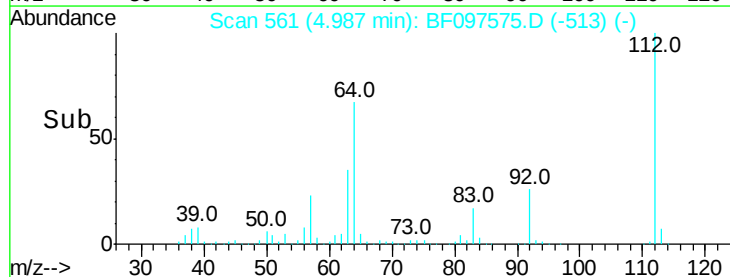
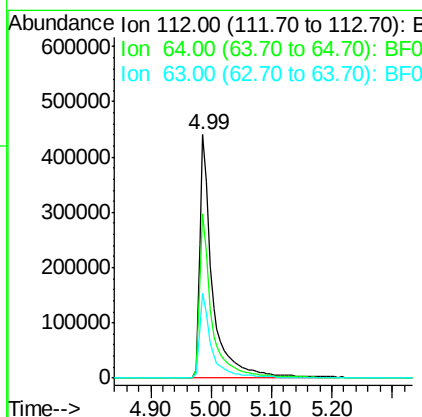
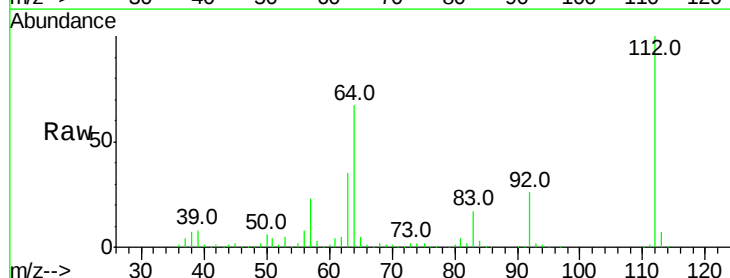
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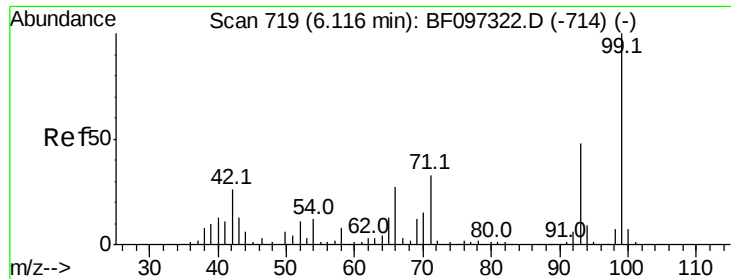


#5

2-Fluorophenol
Concen: 94.337 ng
RT: 4.99 min Scan# 561
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	46.0	69.0
63	35.1	23.4	35.0





#7

Phenol-d6

Concen: 96.245 ng

RT: 6.07 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

Instrument :

BNA_F

ClientSampleId :

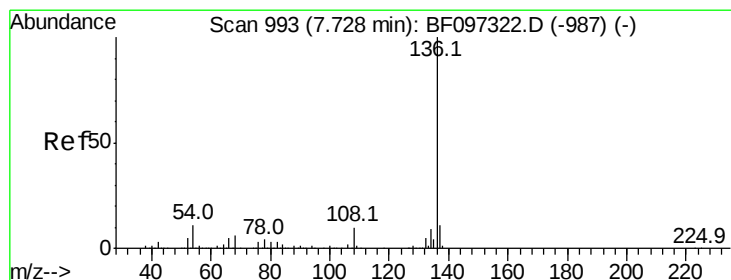
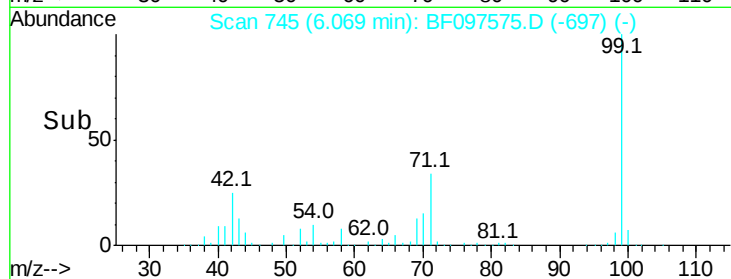
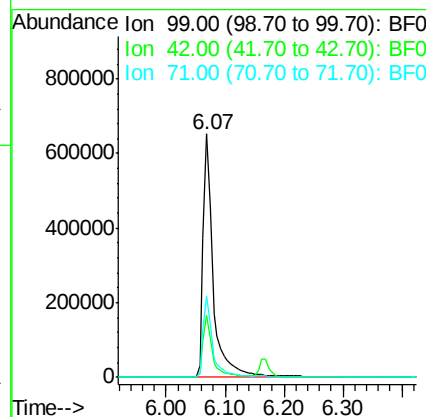
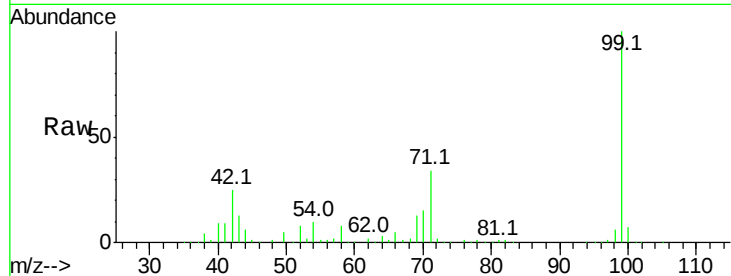
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Tot Ion: 99 Resp: 778433

Ion	Ratio	Lower	Upper
99	100		
42	25.4	13.5	20.3#
71	33.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.67 min Scan# 1018

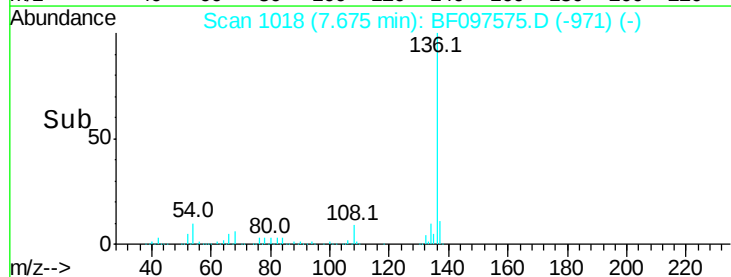
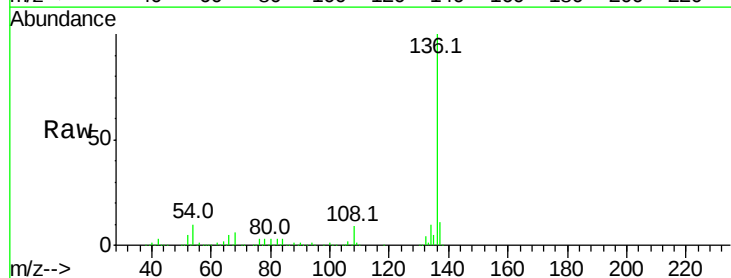
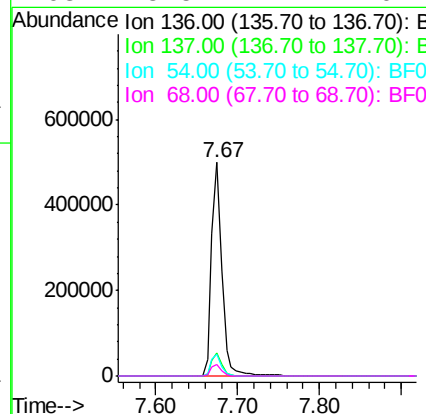
Delta R.T. -0.02 min

Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

Tgt Ion: 136 Resp: 443814

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	10.4	4.9	7.3#
68	5.5	4.1	6.1





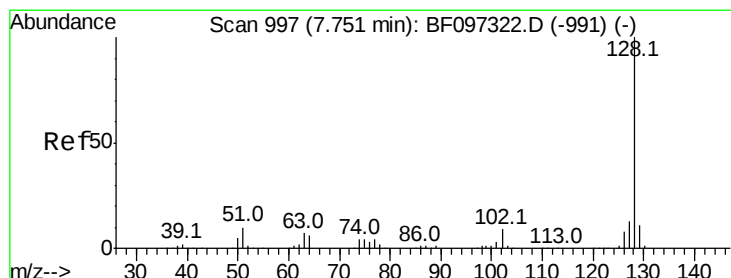
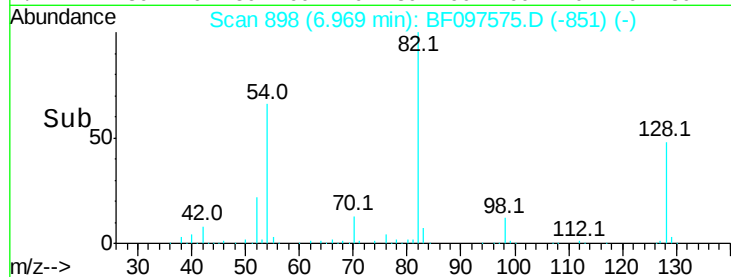
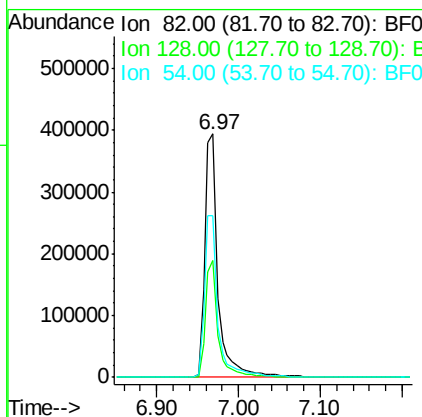
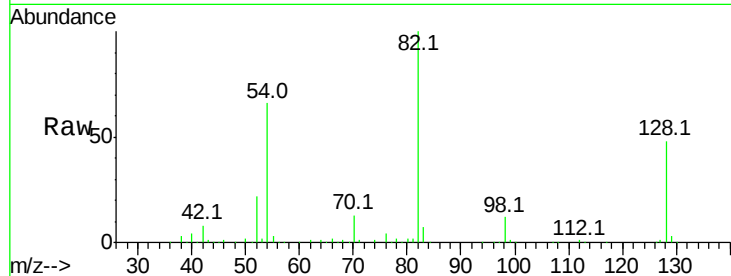
#23
Nitrobenzene-d5
Concen: 59.403 ng
RT: 6.97 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.0	51.0
54	66.3	42.2	63.2

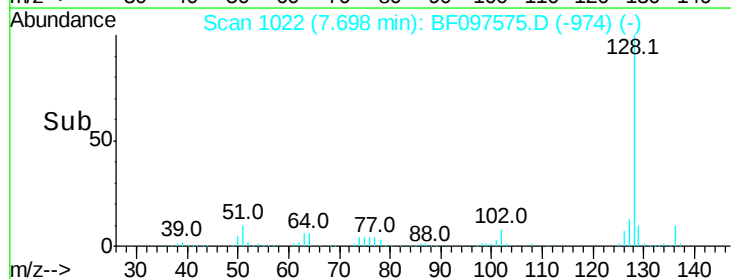
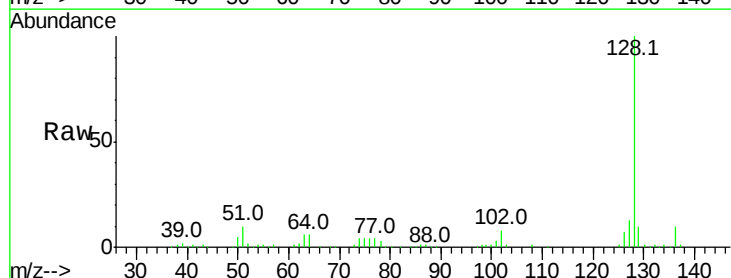
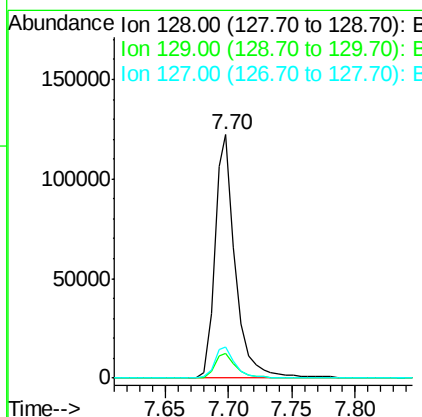
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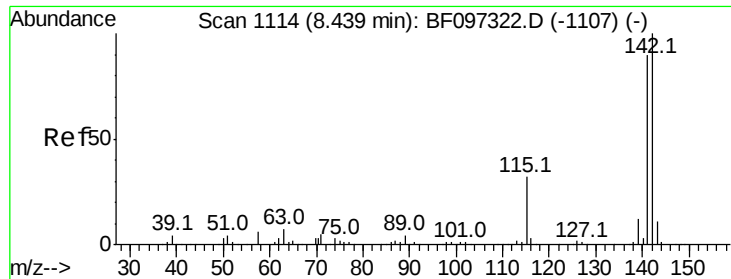
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#31
Naphthalene
Concen: 6.595 ng
RT: 7.70 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.0	13.6
127	13.0	10.8	16.2





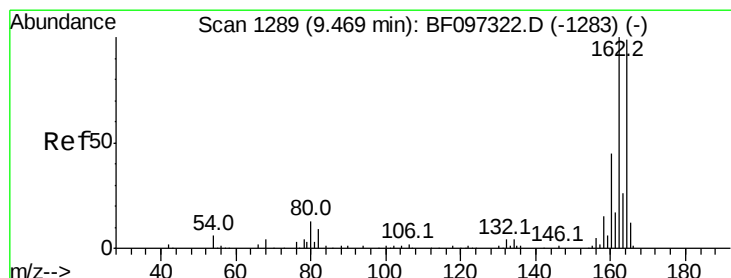
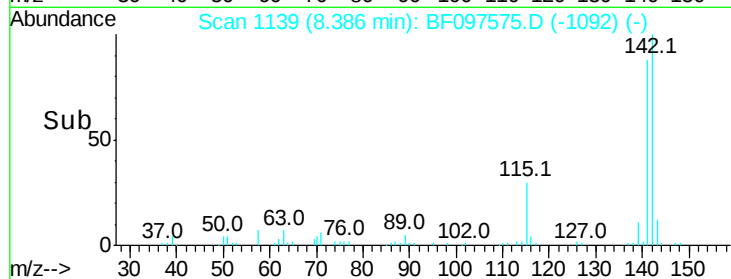
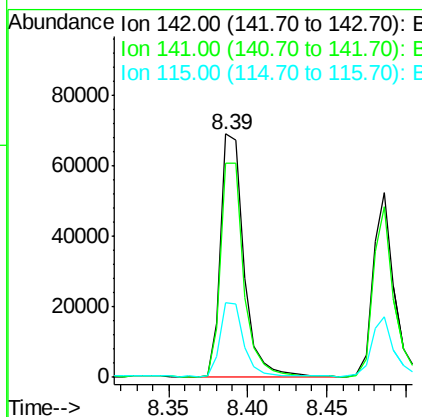
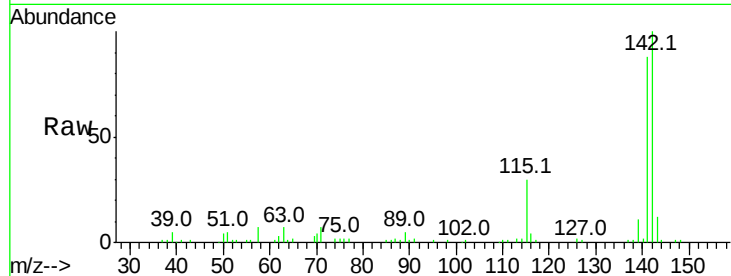
#37
2-Methylnaphthalene
Concen: 5.316 ng
RT: 8.39 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.3	106.9
115	30.5	27.1	40.7

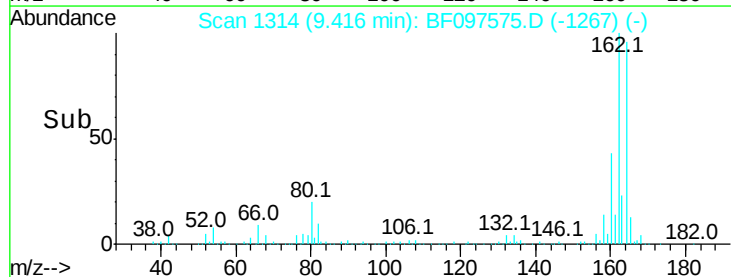
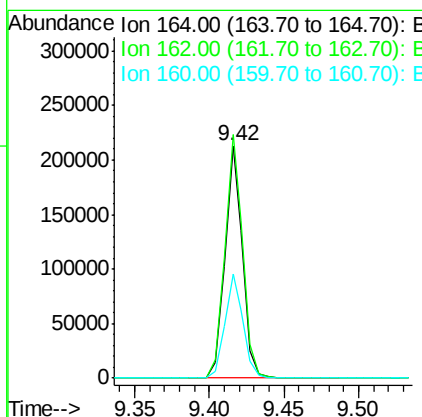
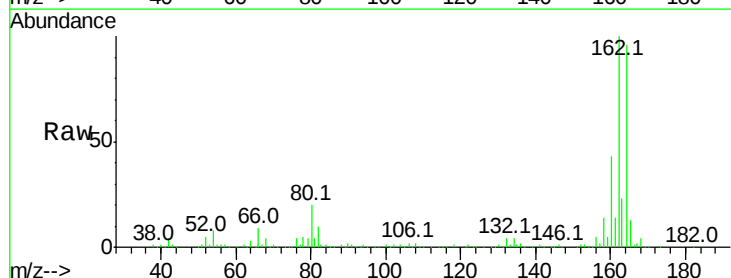
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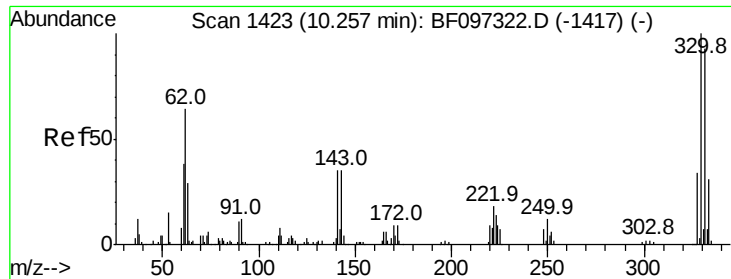
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.42 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	44.8	36.2	54.2





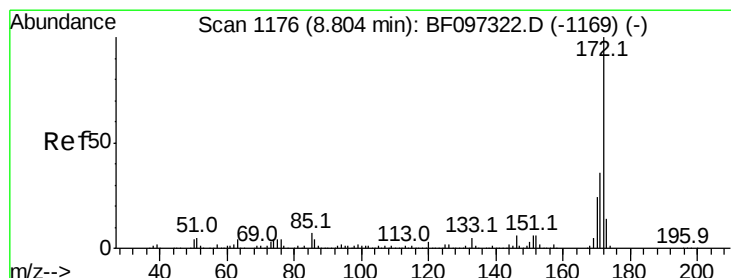
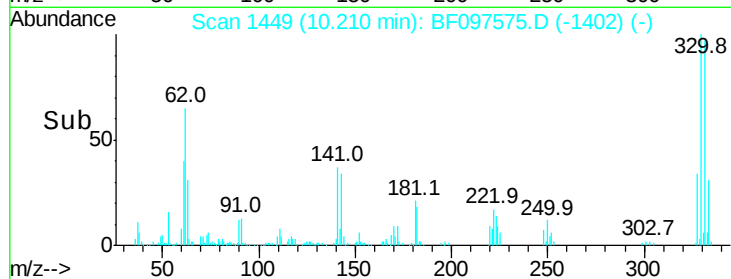
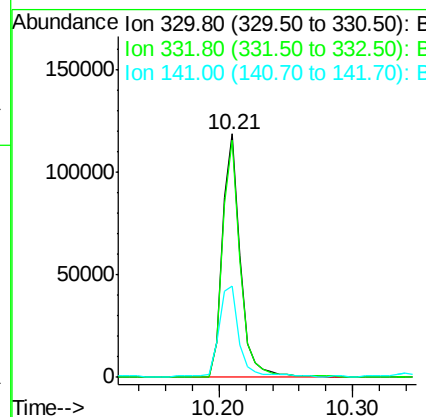
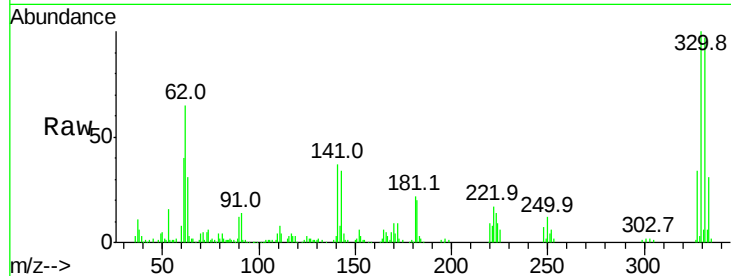
#41
 2,4,6-Tribromophenol
 Concen: 81.324 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF097575.D
 Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	76.6	115.0	
141	43.9	31.4	47.2	

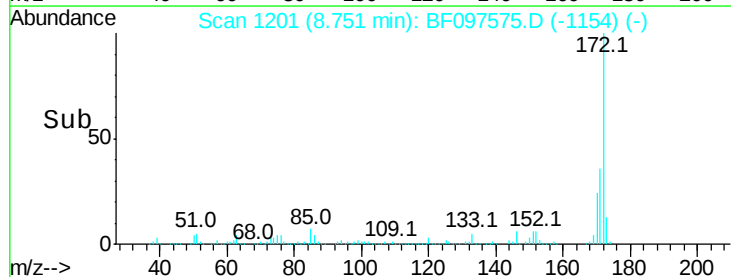
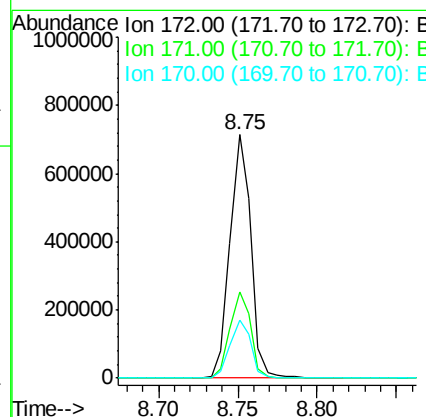
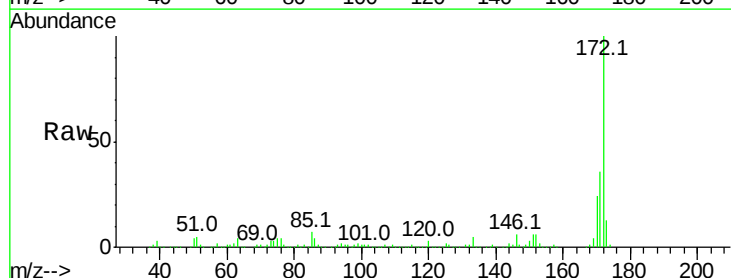
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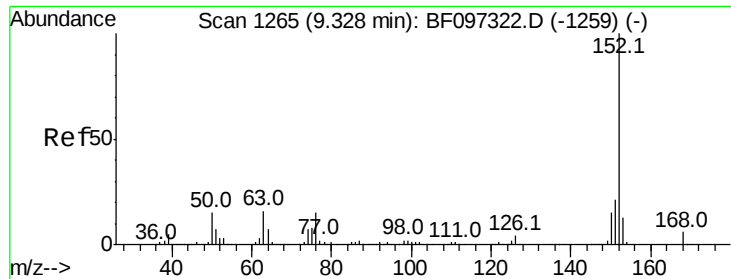
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#44
 2-Fluorobiphenyl
 Concen: 62.998 ng
 RT: 8.75 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF097575.D
 Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.6	44.4	
170	23.6	19.8	29.8	





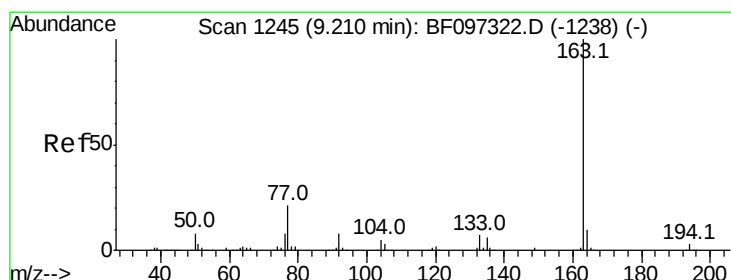
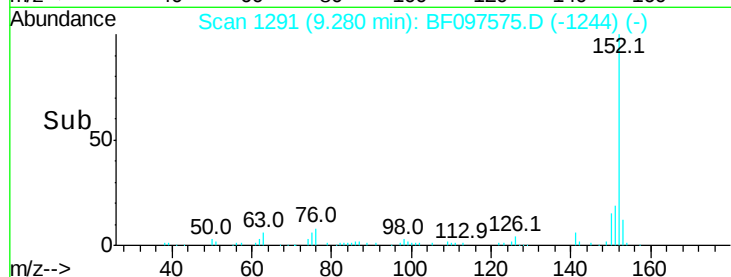
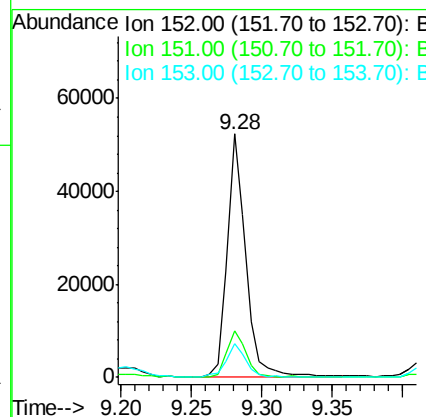
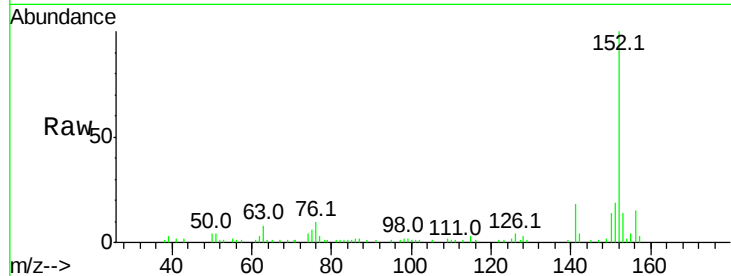
#48
Acenaphthylene
Concen: 2.833 ng
RT: 9.28 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Resp	Lower	Upper
152	100	48178		
151	19.3		16.8	25.2
153	14.0		10.8	16.2

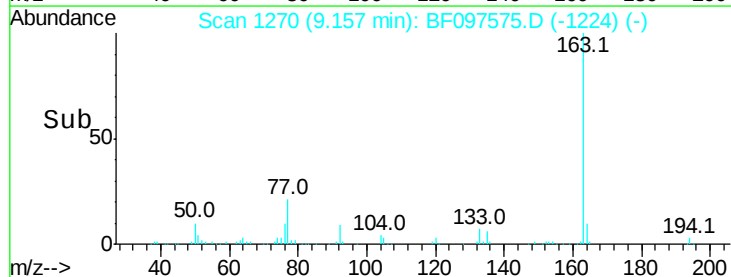
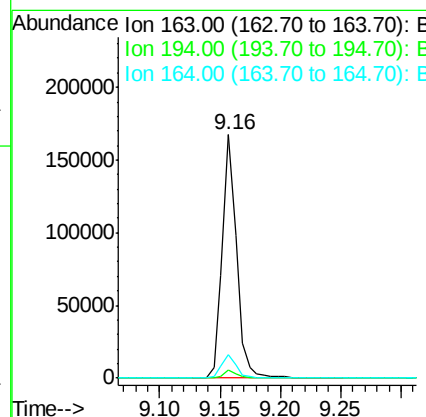
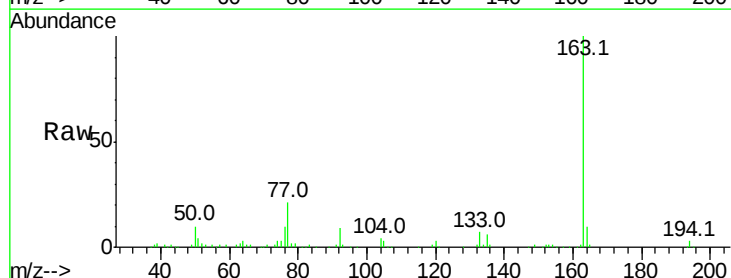
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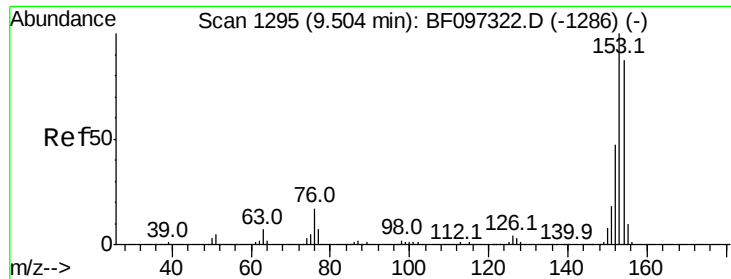
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#49
Dimethylphthalate
Concen: 10.175 ng
RT: 9.16 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	136189		
194	3.1		2.6	4.0
164	9.9		8.4	12.6





#51

Acenaphthene

Concen: 13.081 ng

RT: 9.45 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

Instrument :

BNA_F

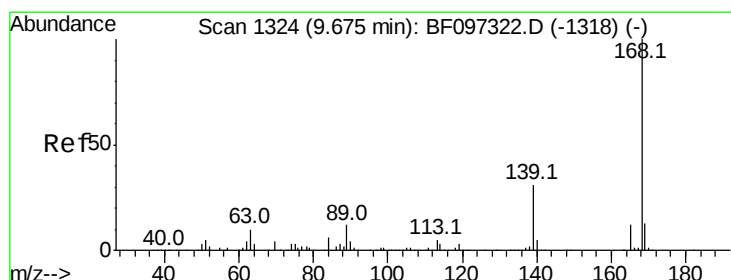
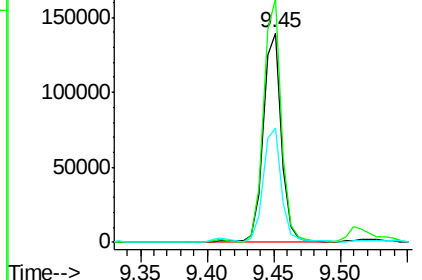
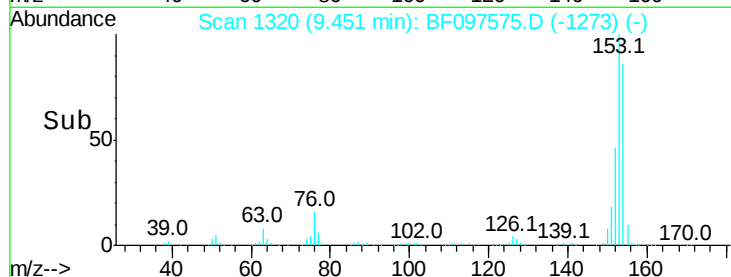
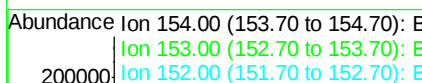
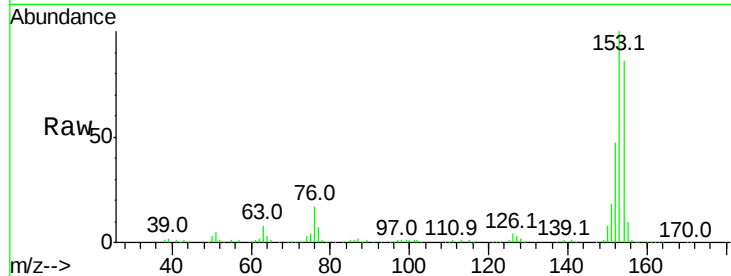
ClientSampleId :

NYSEG-PH4-ESMI-4A

Tot Ion:	154	Resp:	131019
Ion Ratio	Lower	Upper	
154	100		
153	116.2	90.5	135.7
152	54.3	43.6	65.4

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#54

Dibenzofuran

Concen: 10.144 ng

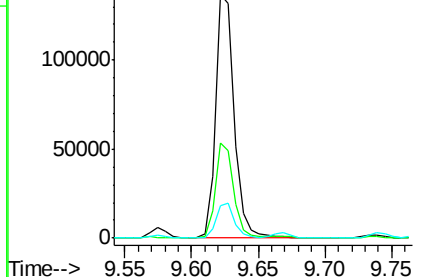
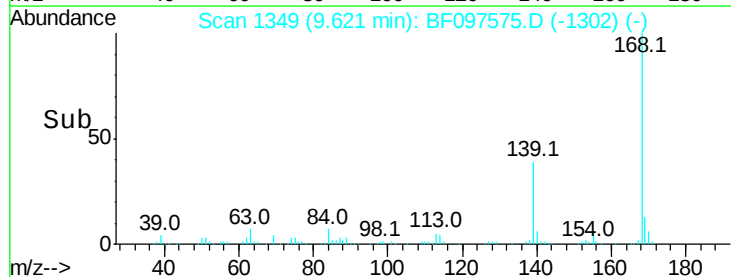
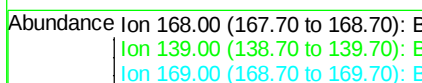
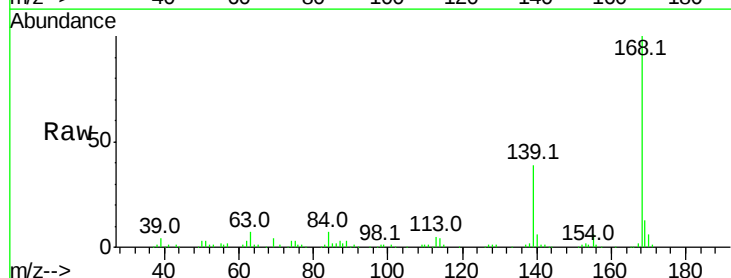
RT: 9.62 min Scan# 1349

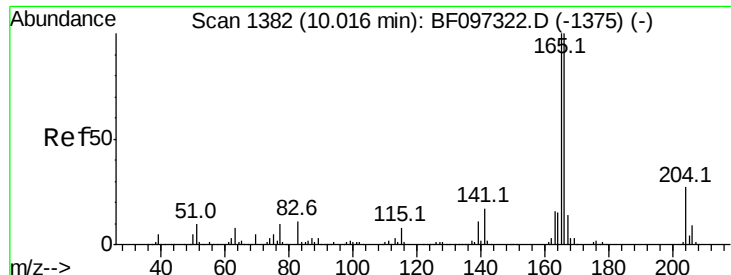
Delta R.T. -0.02 min

Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

Tgt Ion:	168	Resp:	135336
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.6	45.8
169	13.3	10.8	16.2





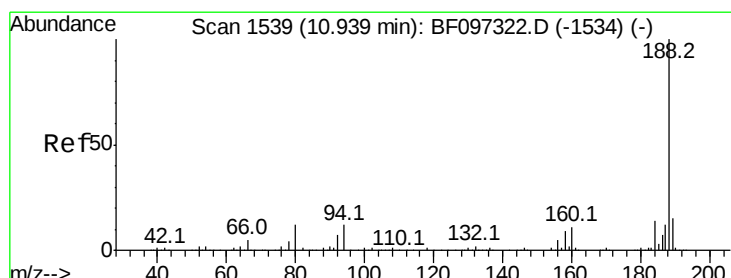
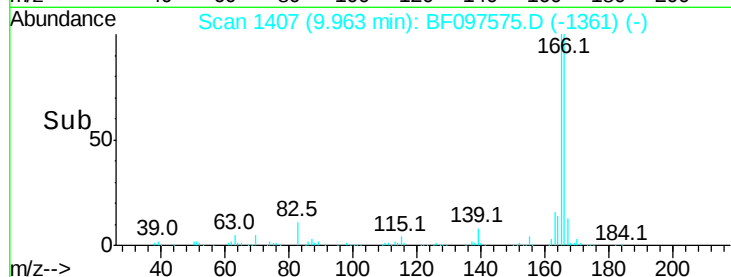
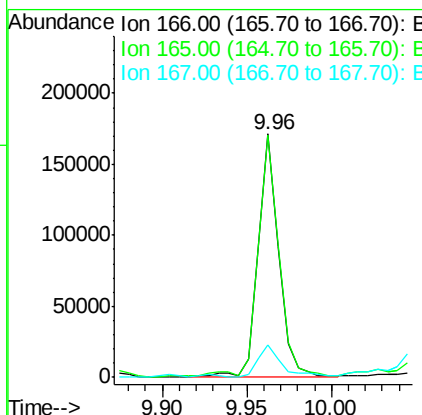
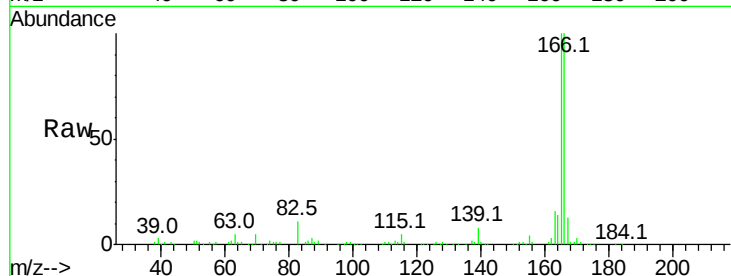
#57
Fluorene
 Concen: 14.598 ng
 RT: 9.96 min Scan# 1407
 Delta R.T. -0.03 min
 Lab File: BF097575.D
 Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100	146383		
165	99.6	78.8	118.2	
167	13.3	10.6	16.0	

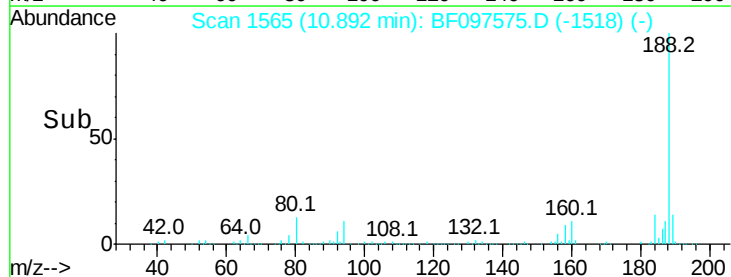
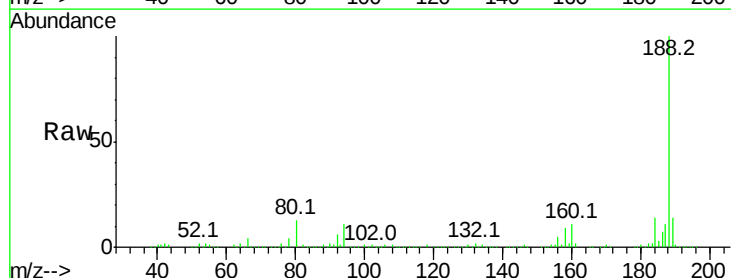
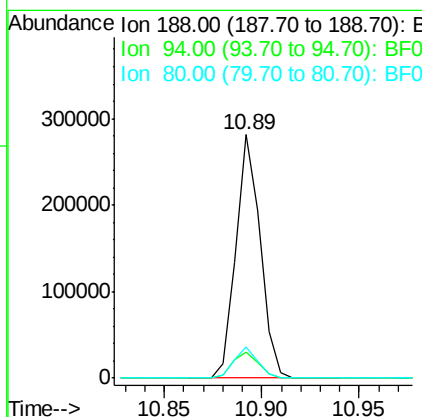
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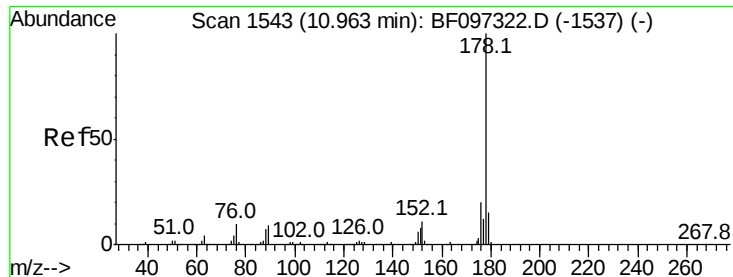
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.89 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF097575.D
 Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	243232		
94	10.9	9.4	14.2	
80	12.7	10.2	15.2	





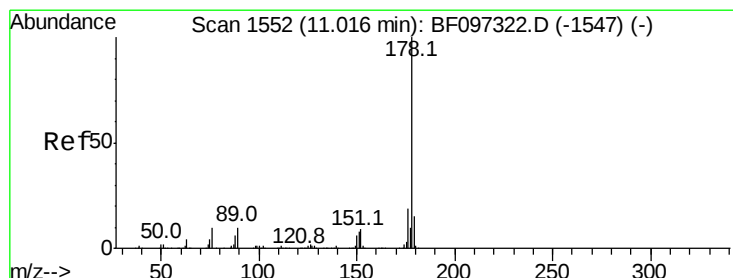
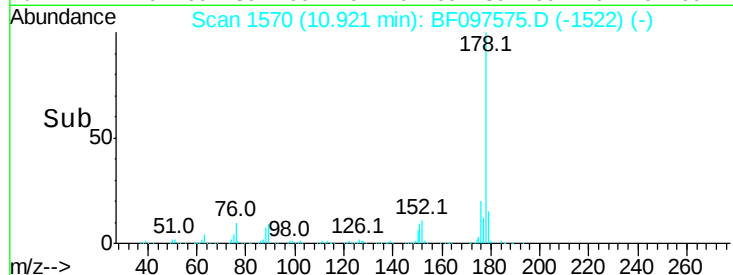
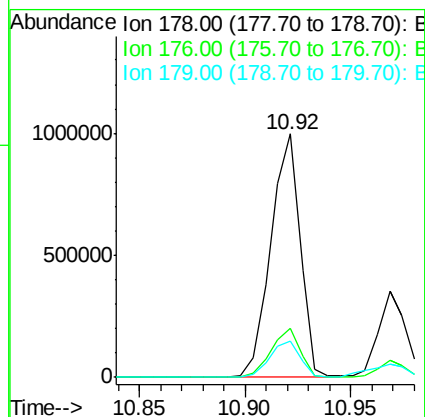
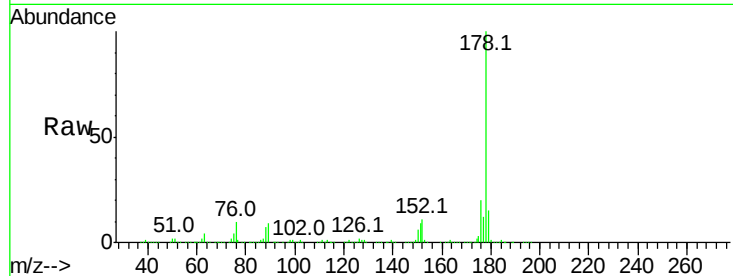
#70
Phenanthrene
Concen: 74.358 ng
RT: 10.92 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.2	12.6	19.0

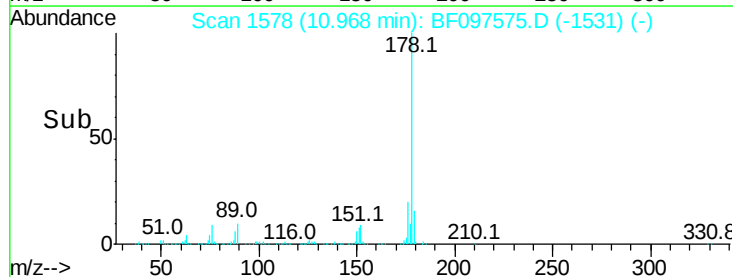
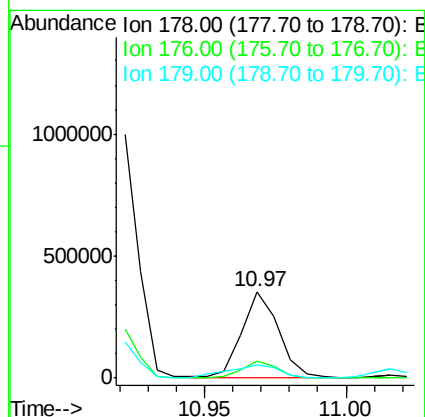
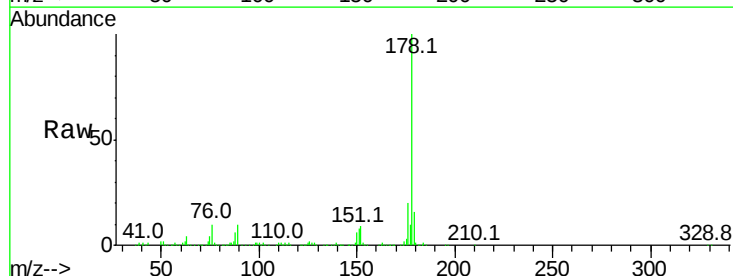
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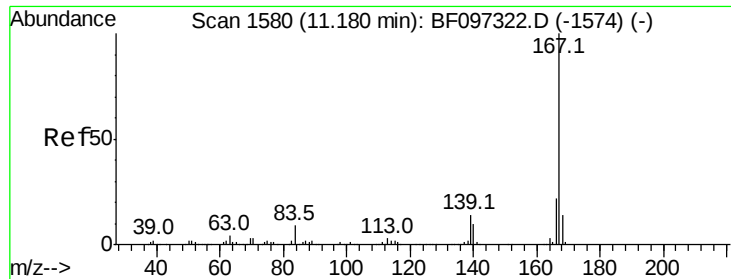
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#71
Anthracene
Concen: 23.741 ng
RT: 10.97 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.9	12.7	19.1





#72

Carbazole

Concen: 9.888 ng

RT: 11.14 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

Instrument :

BNA_F

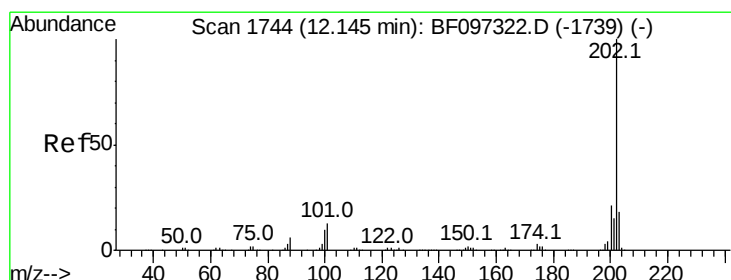
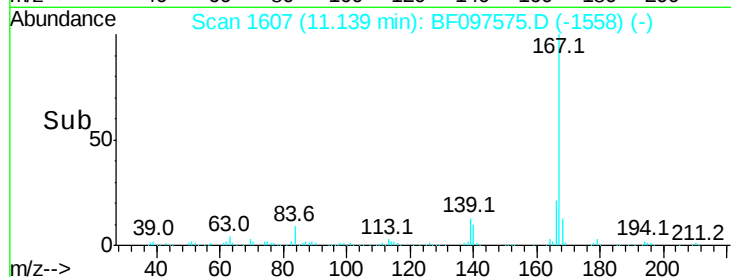
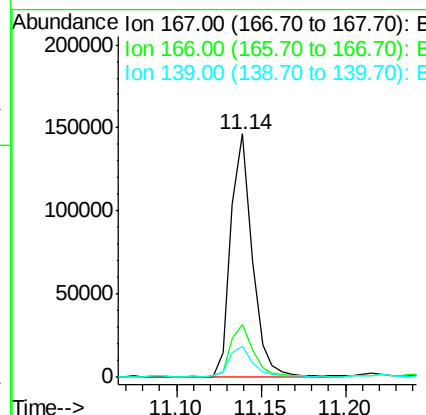
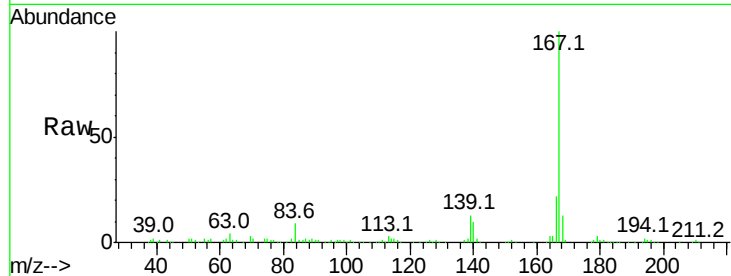
ClientSampleId :

NYSEG-PH4-ESMI-4A

Tot Ion:	167	Resp:	129805
Ion Ratio	Lower	Upper	
167	100		
166	21.6	18.1	27.1
139	13.0	11.7	17.5

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#74

Fluoranthene

Concen: 69.753 ng

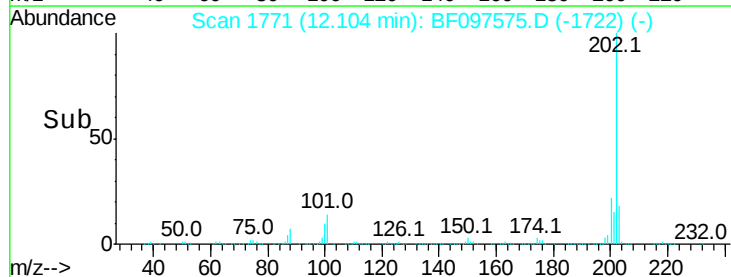
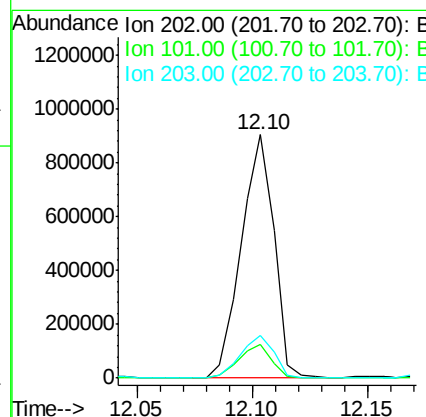
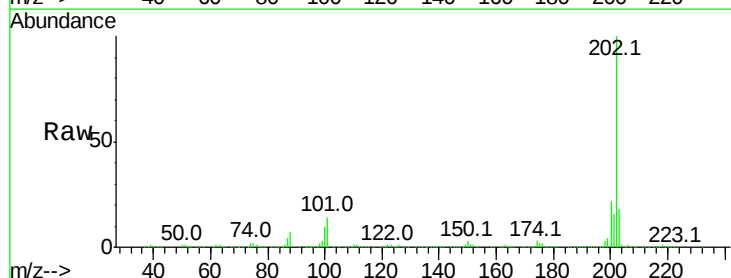
RT: 12.10 min Scan# 1771

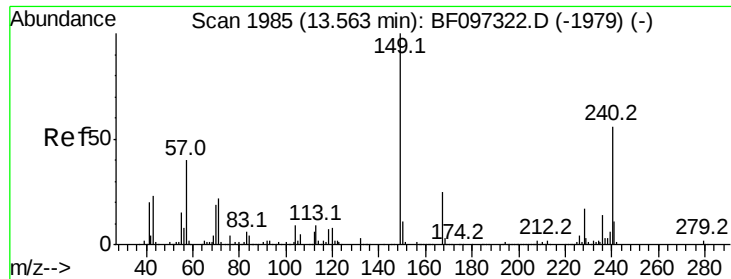
Delta R.T. -0.01 min

Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

Tgt Ion:	202	Resp:	890559
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	33.2
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.52 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

Instrument :

BNA_F

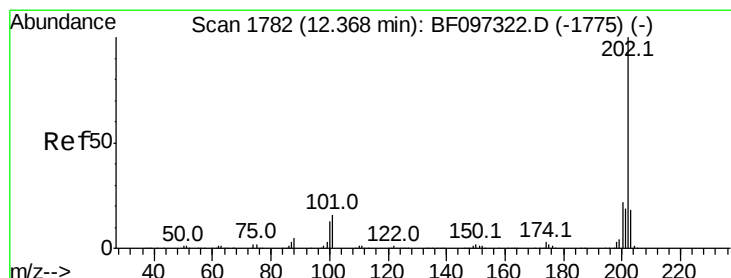
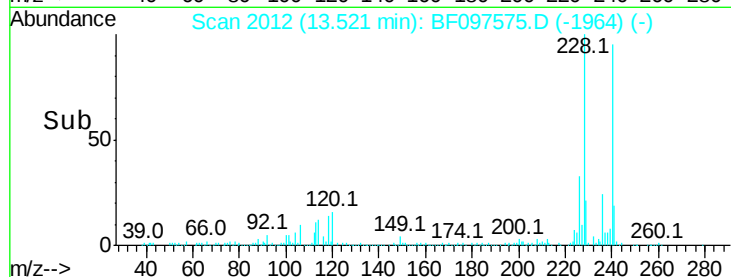
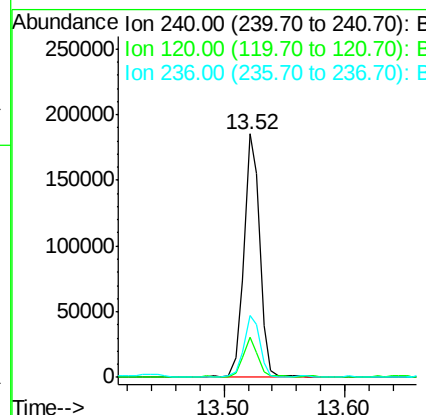
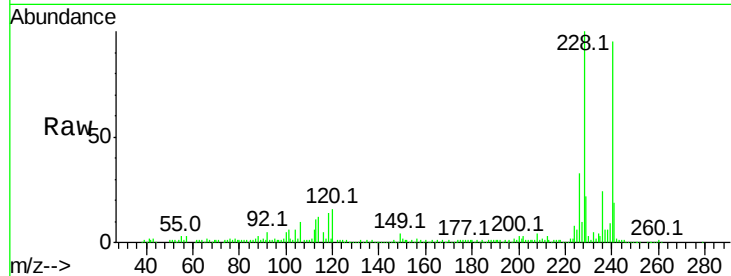
ClientSampleId :

NYSEG-PH4-ESMI-4A

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.5	5.8	8.8#
236	25.5	20.5	30.7

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#77

Pyrene

Concen: 57.659 ng

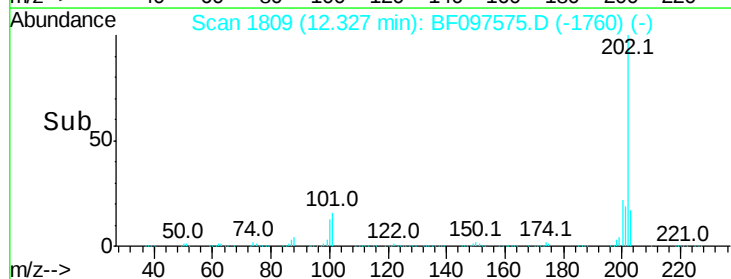
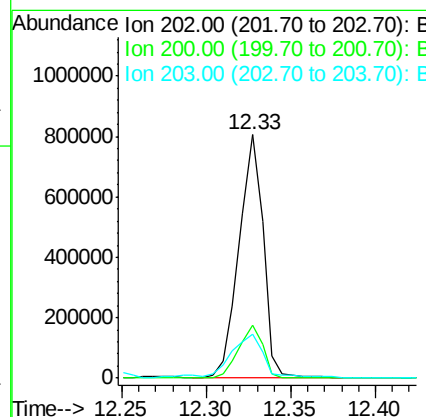
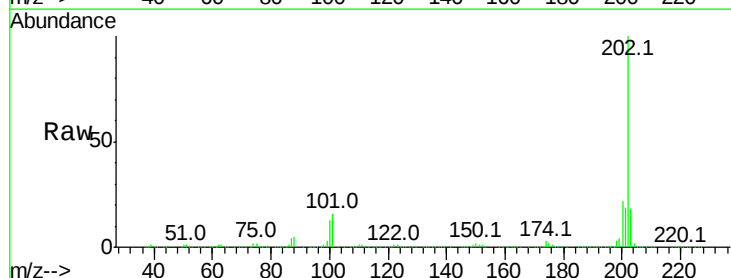
RT: 12.33 min Scan# 1809

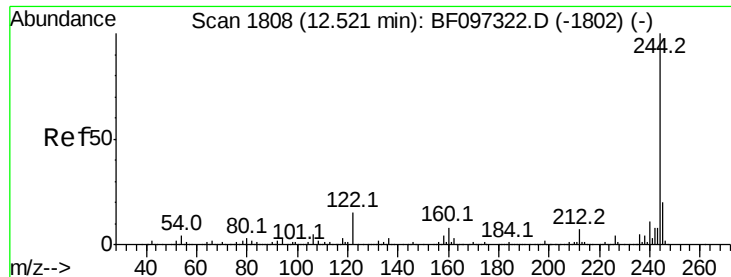
Delta R.T. -0.01 min

Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

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





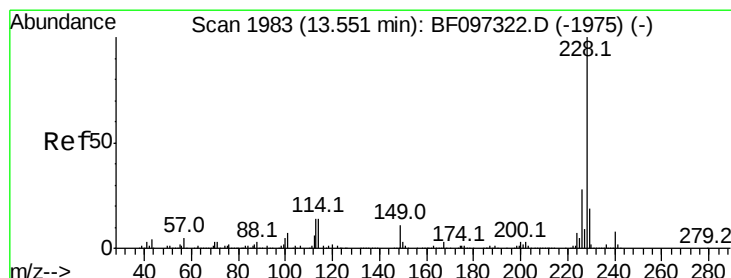
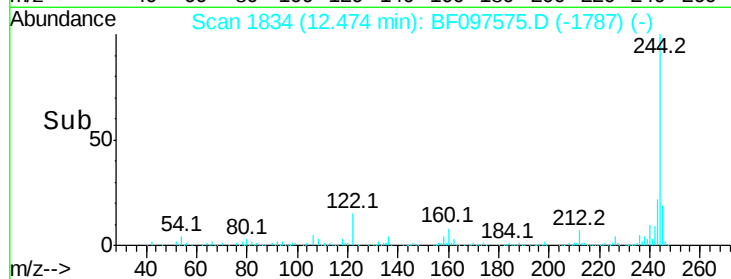
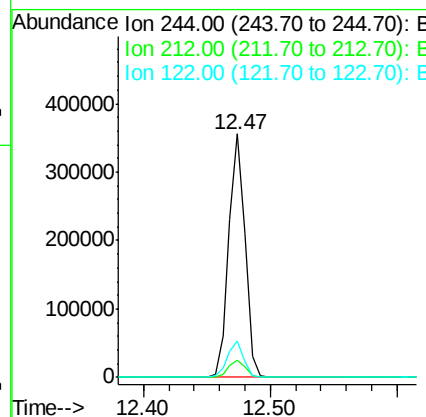
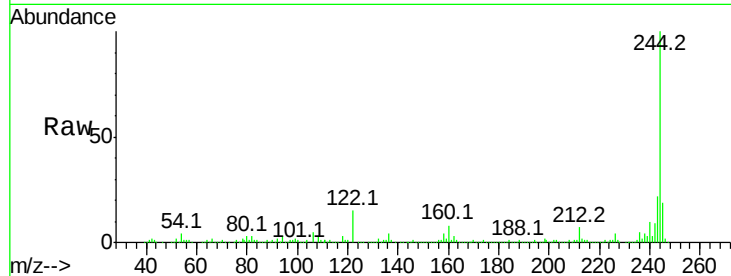
#78
 Terphenyl-d14
 Concen: 38.361 ng
 RT: 12.47 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF097575.D
 Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.7	10.3	15.5

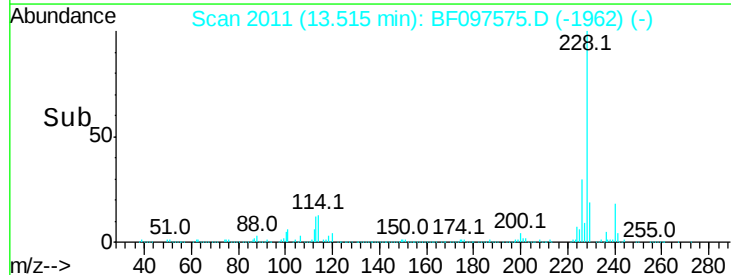
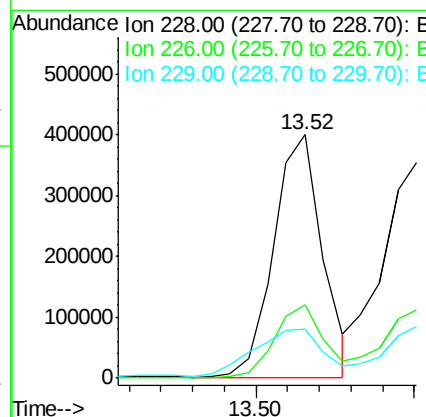
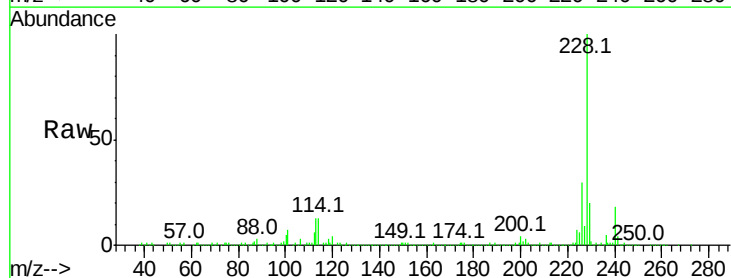
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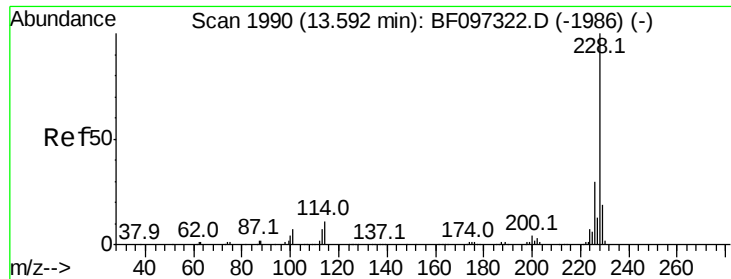
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#80
 Benzo(a)anthracene
 Concen: 39.022 ng
 RT: 13.52 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF097575.D
 Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	20.4	16.3	24.5





#82

Chrysene

Concen: 36.696 ng/mL

RT: 13.55 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

Instrument :

BNA_F

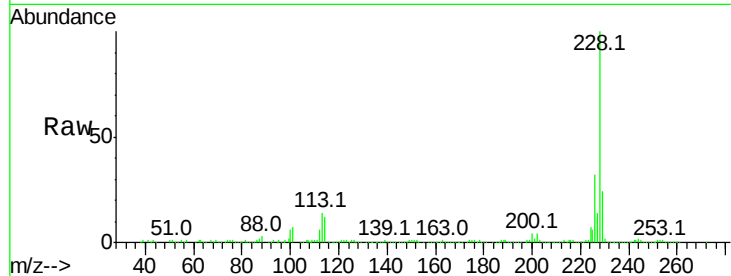
ClientSampleID :

NYSEG-PH4-ESMI-4A

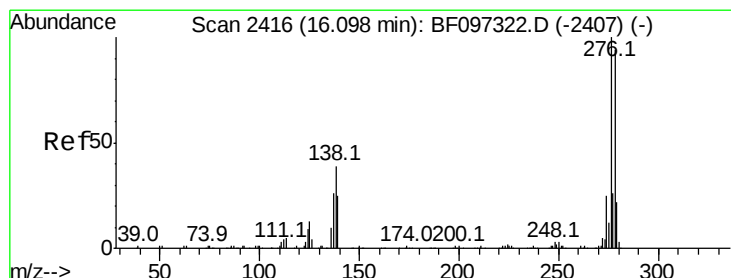
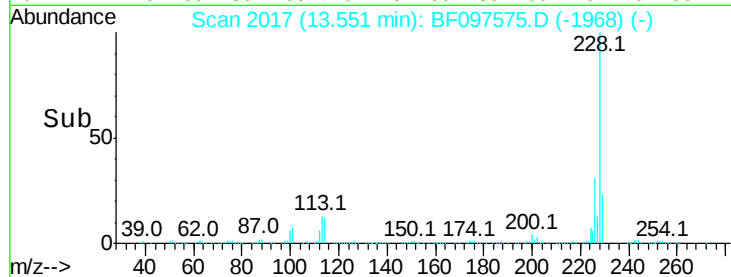
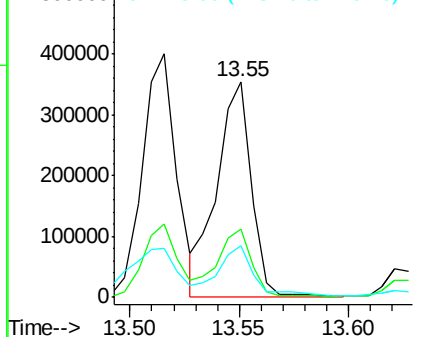
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	23.7	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 16.889 ng

RT: 16.05 min Scan# 2442

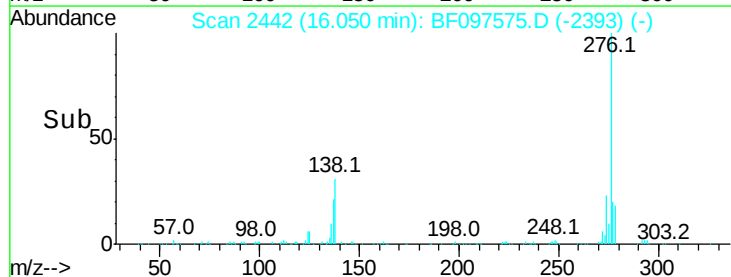
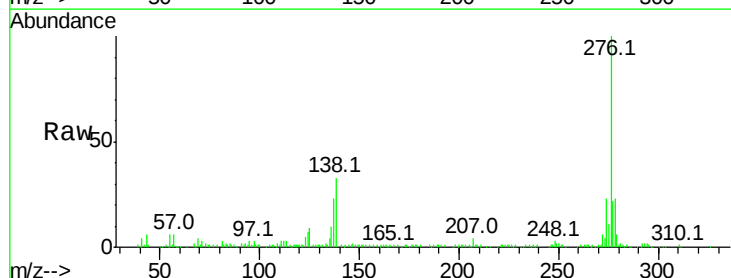
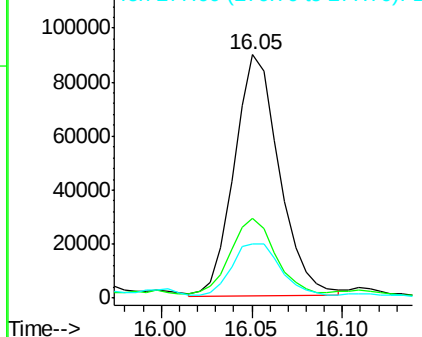
Delta R.T. -0.01 min

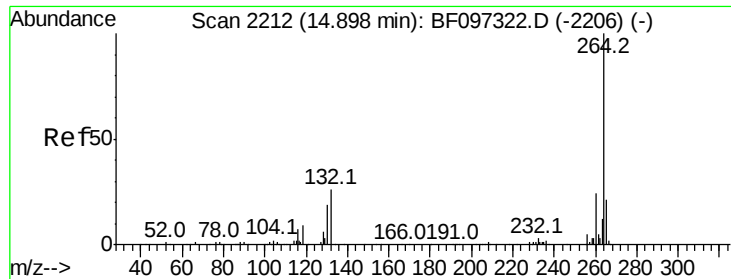
Lab File: BF097575.D

Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.9	27.8	41.6
277	22.7	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





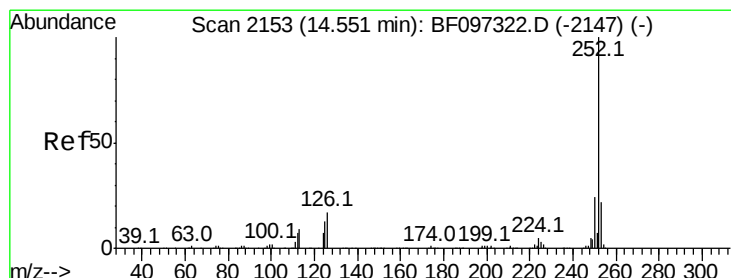
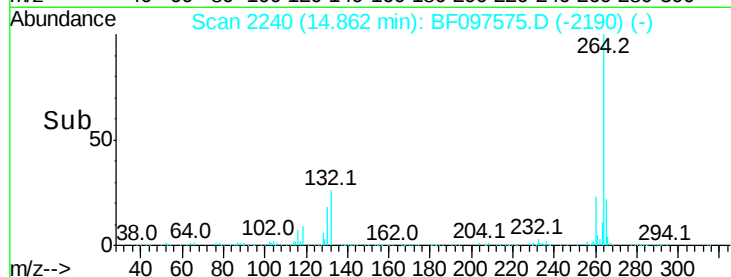
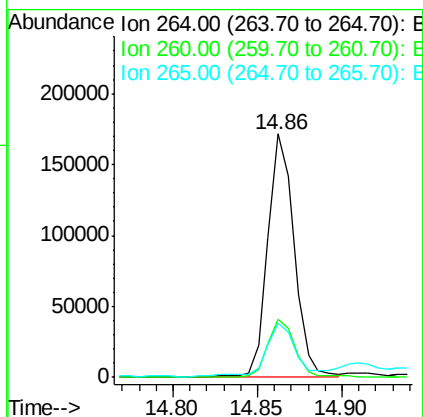
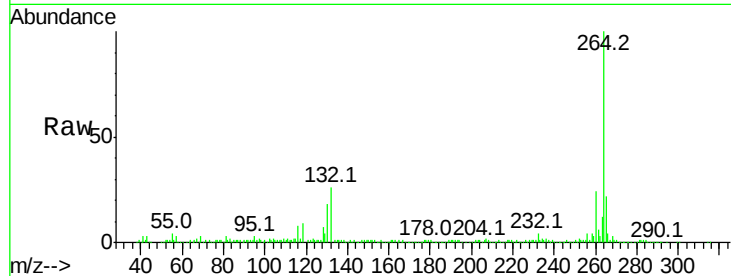
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.3	17.2	25.8

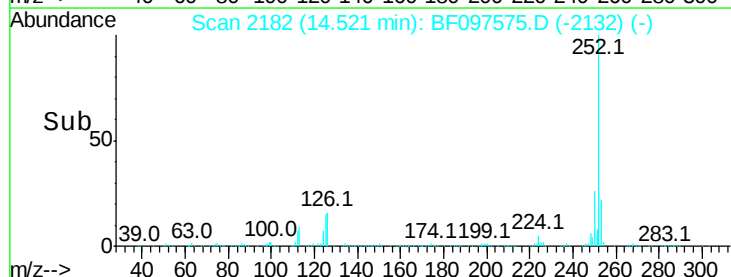
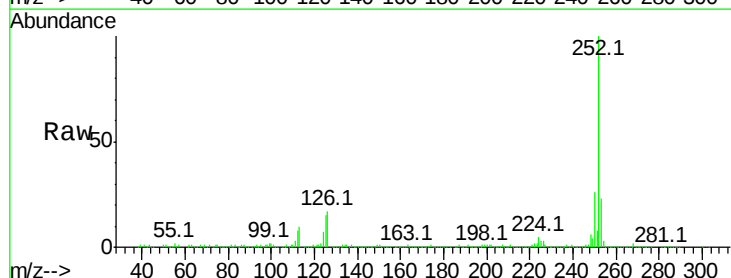
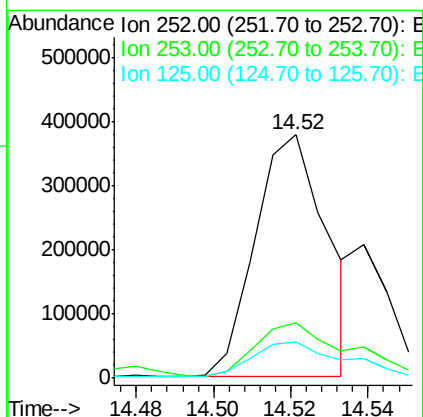
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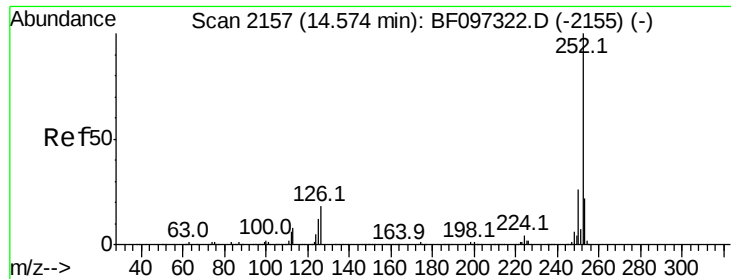
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#87
Benzo(b)fluoranthene
Concen: 43.524 ng m
RT: 14.52 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.0	9.8	14.8#





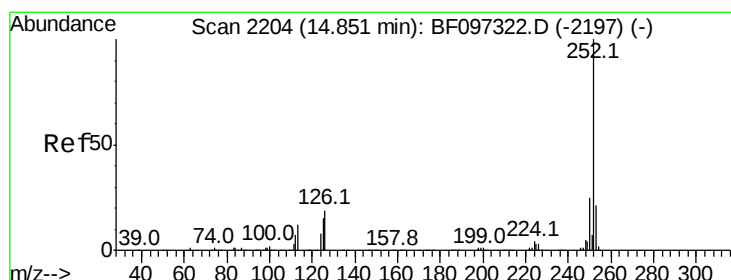
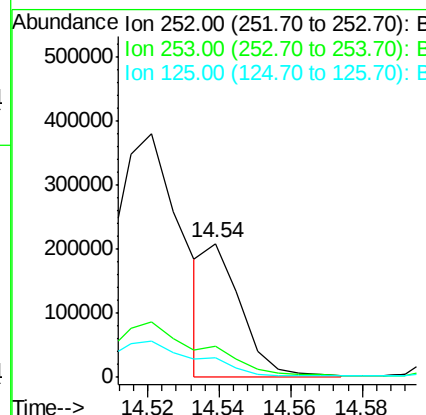
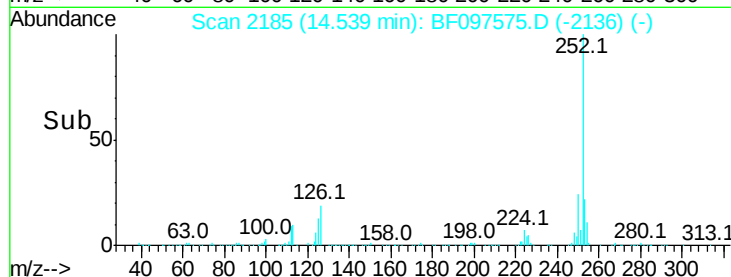
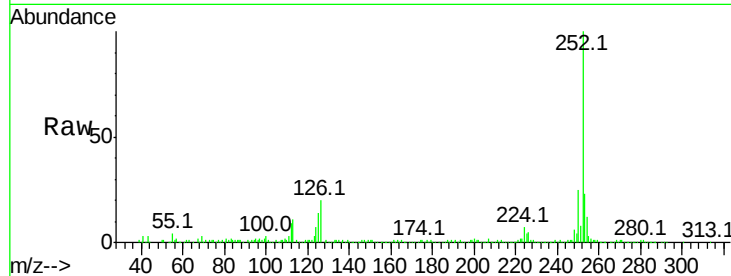
#88
Benzo(k)fluoranthene
Concen: 13.301 ng m
RT: 14.54 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	14.3	13.1	19.7

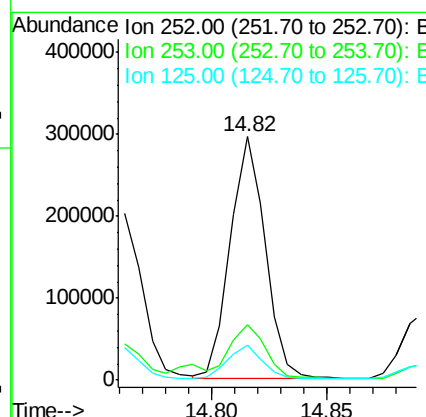
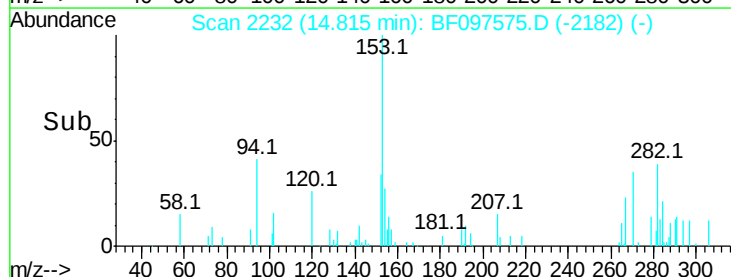
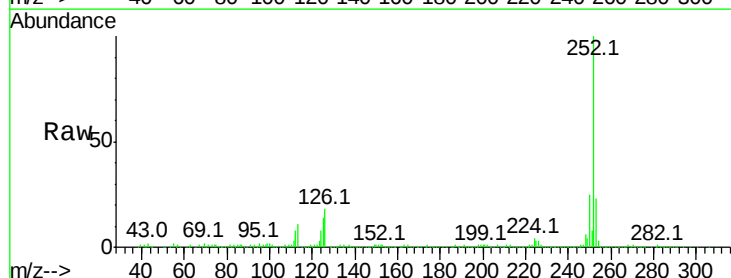
Manual Integrations
APPROVED

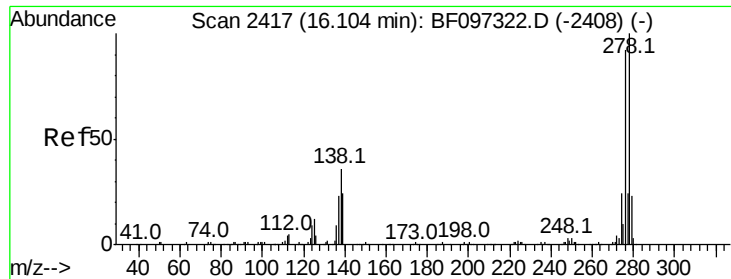
sohil
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#89
Benzo(a)pyrene
Concen: 30.590 ng
RT: 14.82 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	14.2	11.0	16.4





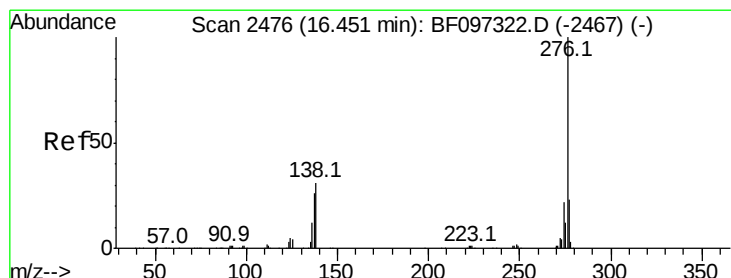
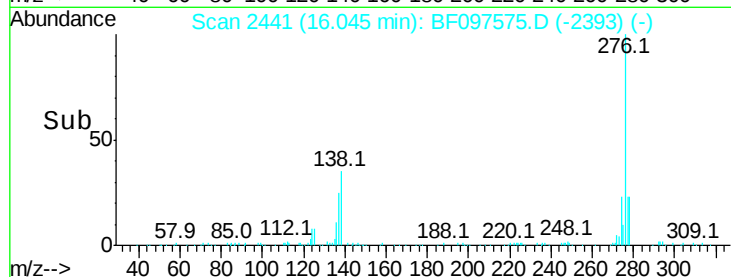
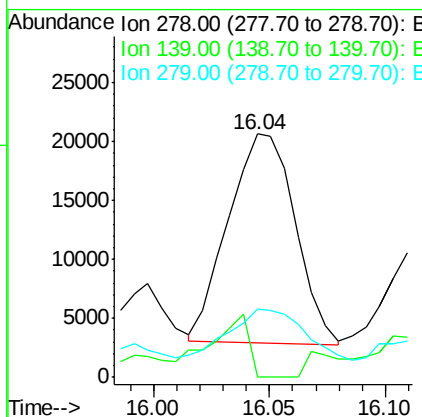
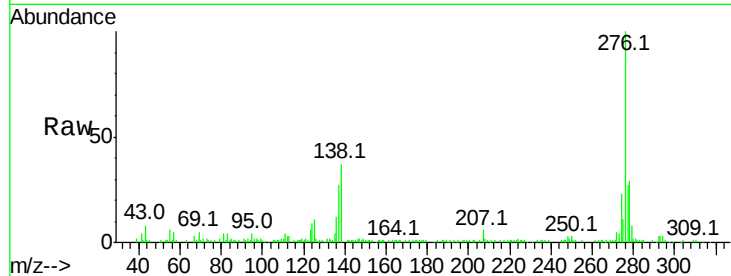
#90
Dibenzo(a,h)anthracene
Concen: 4.254 ng m
RT: 16.04 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	28.0	19.3	28.9

Manual Integrations
APPROVED

sohil
8/14/2017 6:34:45 PM



#91
Benzo(g,h,i)perylene
Concen: 15.280 ng
RT: 16.40 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BF097575.D
Acq: 10 Aug 2017 23:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	32.5	25.4	38.0

