

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097579.D
 Acq On : 11 Aug 2017 1:06
 Operator : SJ/JU
 Sample : I4697-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 11 13:05:40 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	115874	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	447152	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	127973	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	165538	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	169270	20.00	ng	-0.02
86) Perylene-d12	14.86	264	179329	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	324272	42.19	ng	-0.02
7) Phenol-d6	6.07	99	394997	45.01	ng	-0.02
23) Nitrobenzene-d5	6.96	82	217829	28.58	ng	-0.03
41) 2,4,6-Tribromophenol	10.21	330	36098	35.70	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	343315	45.53	ng	-0.02
78) Terphenyl-d14	12.47	244	158942	19.14	ng	-0.03
Target Compounds						
48) Acenaphthylene	9.28	152	62507	5.063	ng	98
49) Dimethylphthalate	9.16	163	65185	6.708	ng	97
70) Phenanthrene	10.92	178	143492	16.178	ng	97
71) Anthracene	10.97	178	45108	4.965	ng	99
74) Fluoranthene	12.10	202	422696	48.647	ng	98
77) Pyrene	12.32	202	372876	26.908	ng	99
80) Benzo(a)anthracene	13.51	228	192200m	17.549	ng	
82) Chrysene	13.54	228	146672	13.714	ng	97
85) Indeno(1,2,3-cd)pyrene	16.04	276	79313	8.649	ng	91
87) Benzo(b)fluoranthene	14.52	252	231536m	21.479	ng	
88) Benzo(k)fluoranthene	14.53	252	76448m	7.442	ng	
89) Benzo(a)pyrene	14.81	252	169538	17.184	ng	98
90) Dibenzo(a,h)anthracene	16.04	278	20827m	2.574	ng	
91) Benzo(g,h,i)perylene	16.40	276	70258	8.281	ng	92

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

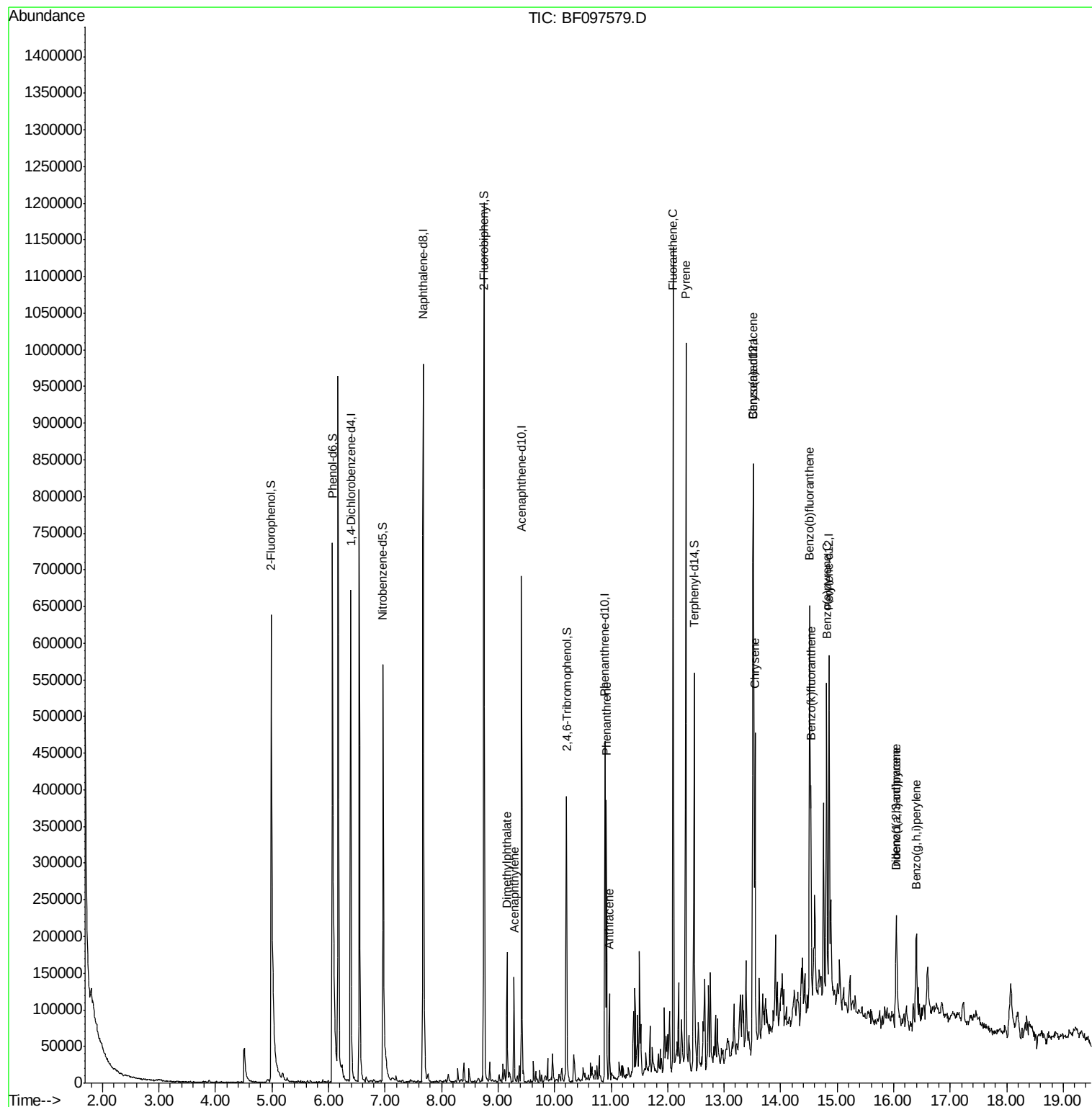
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
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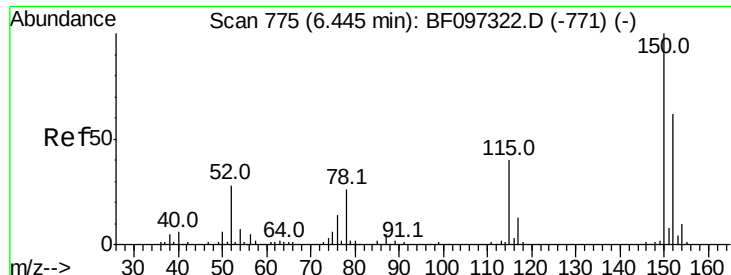
Instrument :
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#1

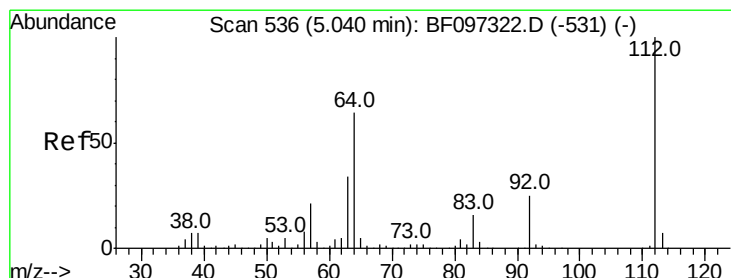
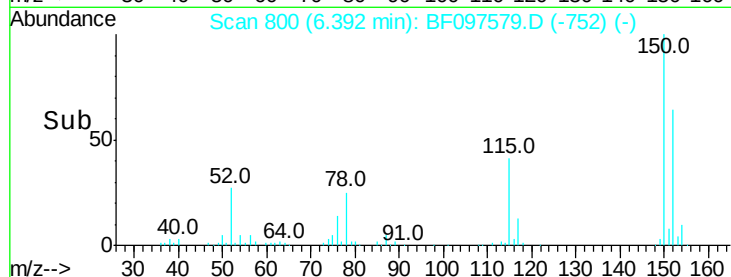
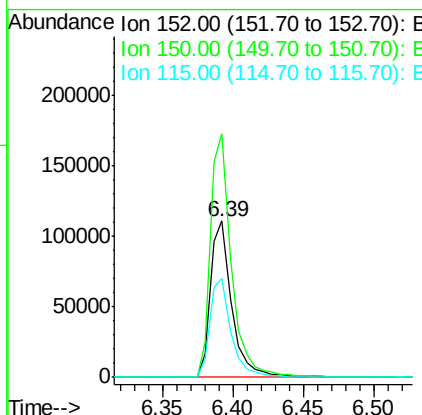
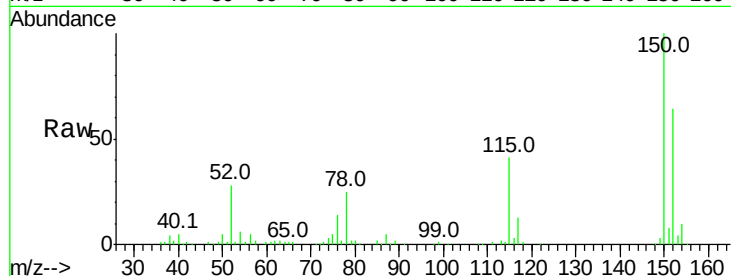
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.39 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	63.3	52.2	78.2

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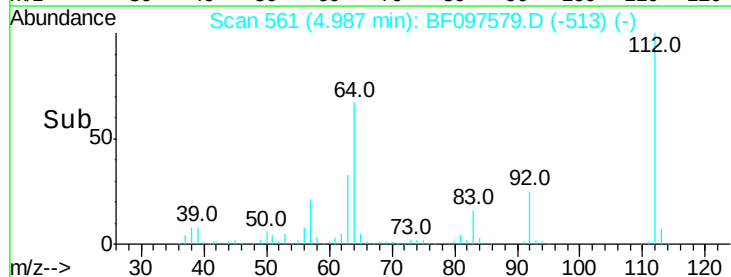
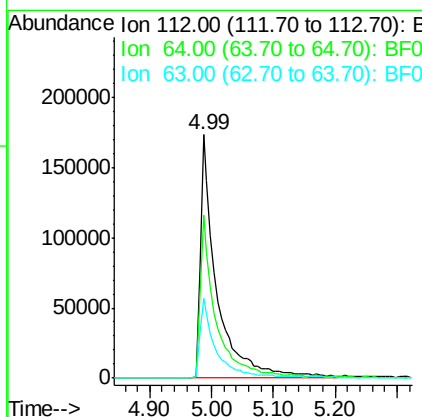
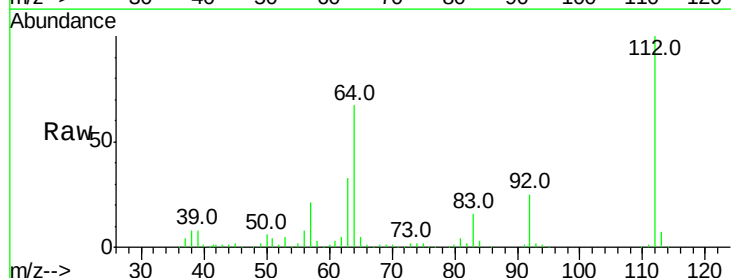
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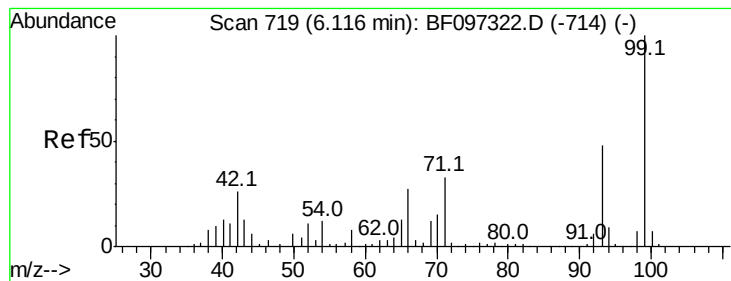


#5

2-Fluorophenol
Concen: 42.187 ng
RT: 4.99 min Scan# 561
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	46.0	69.0
63	32.8	23.4	35.0





#7

Phenol-d6

Concen: 45.013 ng

RT: 6.07 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

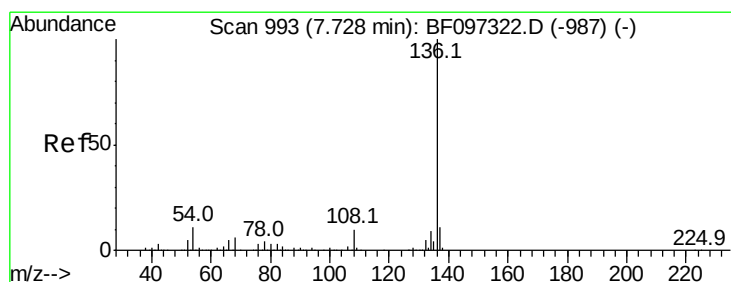
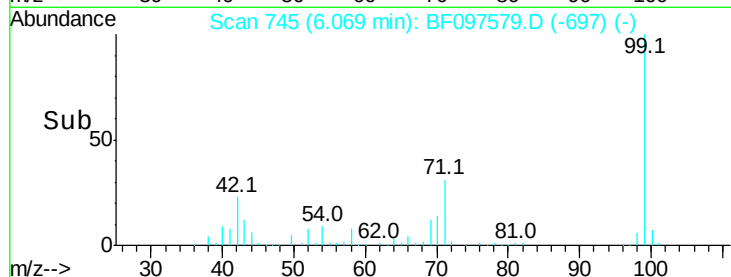
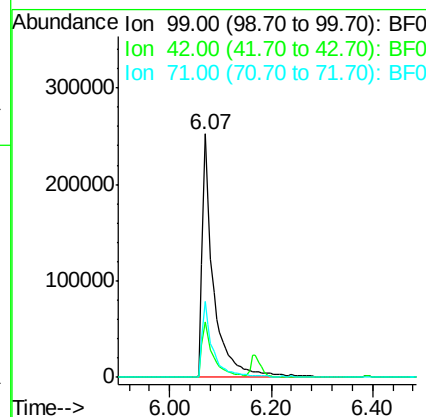
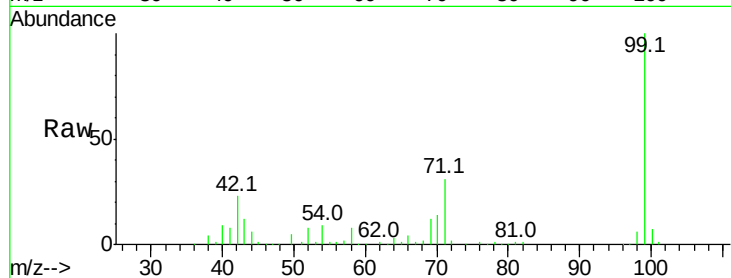
NYSEG-PH4-ESMI-3A

Tot Ion: 99 Resp: 394997

Ion	Ratio	Lower	Upper
99	100		
42	23.0	13.5	20.3#
71	31.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.67 min Scan# 1018

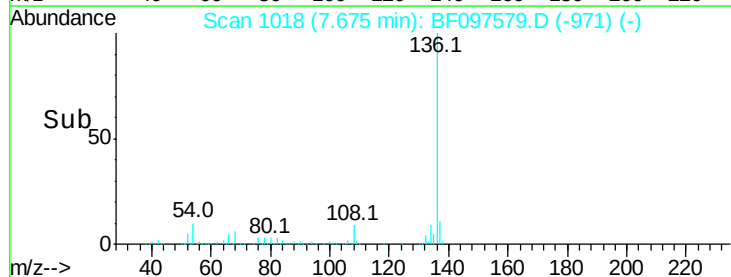
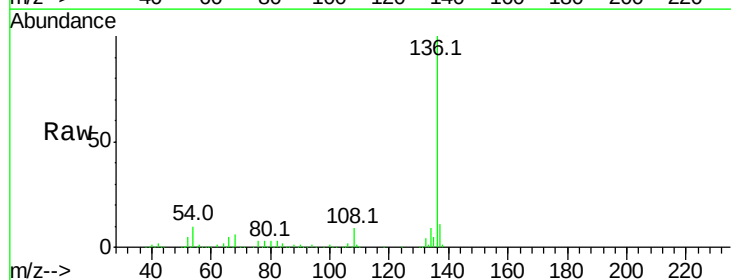
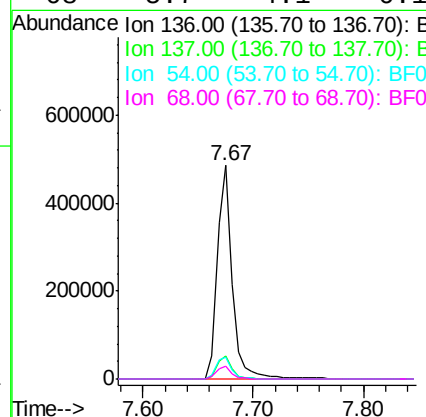
Delta R.T. -0.02 min

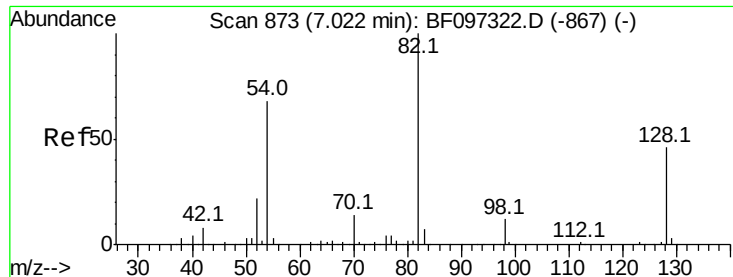
Lab File: BF097579.D

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Tgt Ion: 136 Resp: 447152

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.2	4.9	7.3#
68	5.7	4.1	6.1





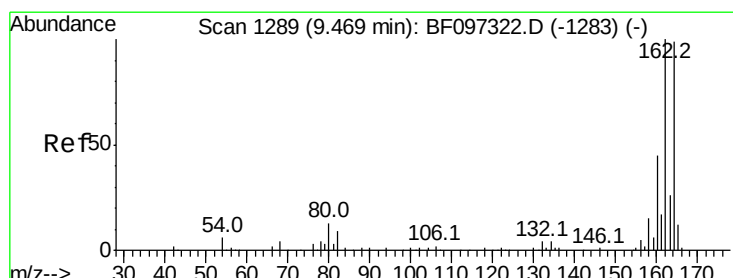
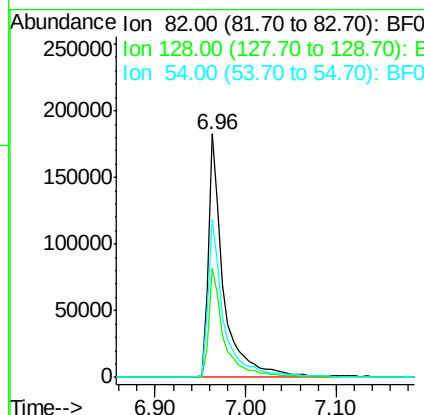
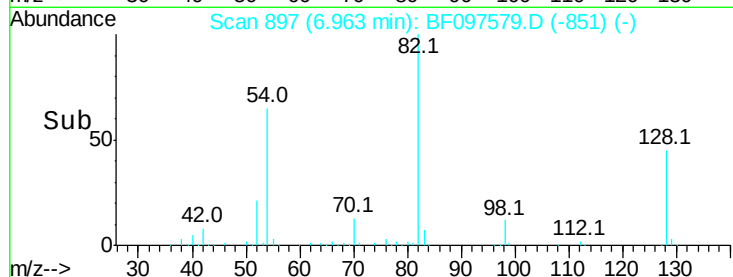
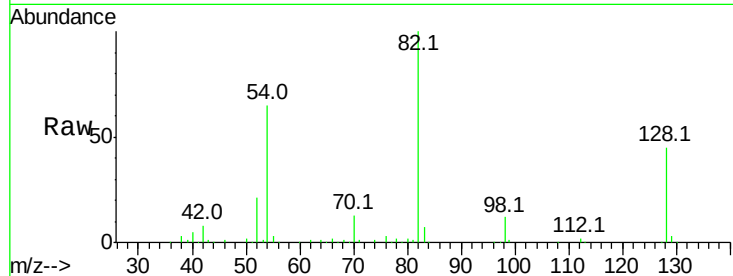
#23
 Nitrobenzene-d5
 Concen: 28.578 ng
 RT: 6.96 min Scan# 897
 Delta R.T. -0.03 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.0	51.0
54	65.0	42.2	63.2

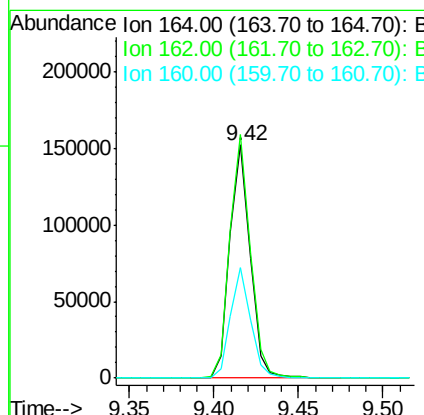
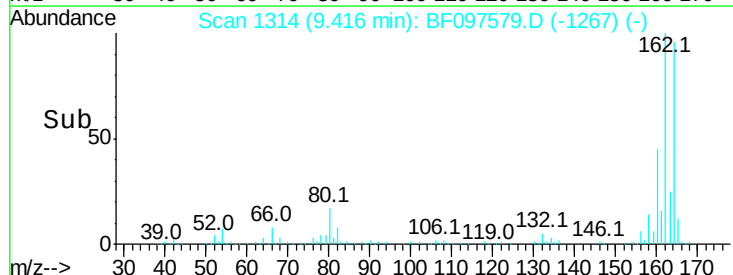
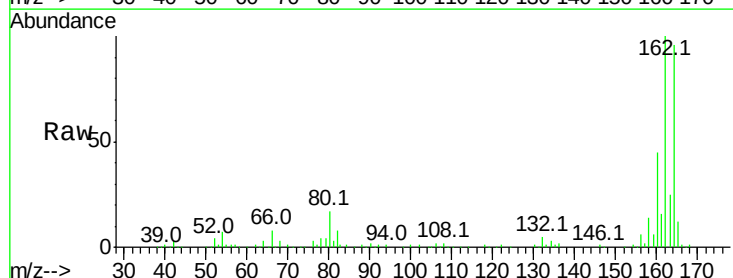
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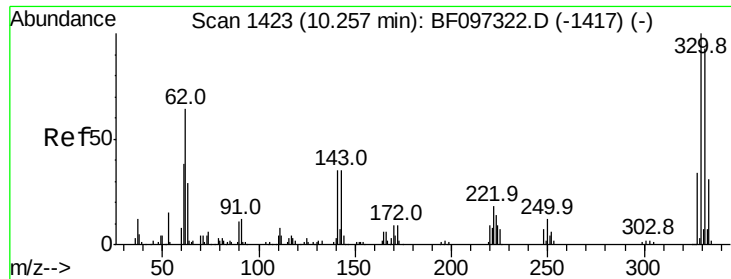
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.42 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF097579.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	47.2	36.2	54.2





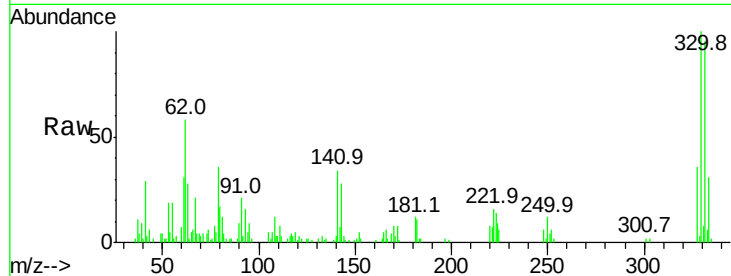
#41
 2,4,6-Tribromophenol
 Concen: 35.701 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

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

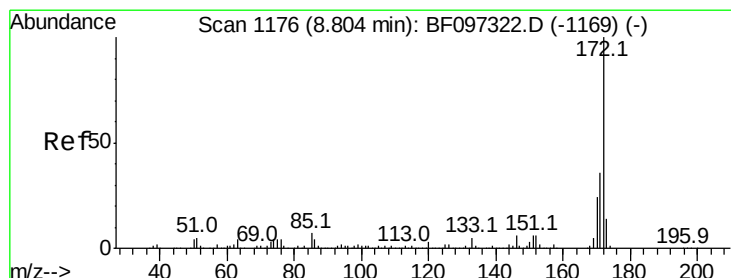
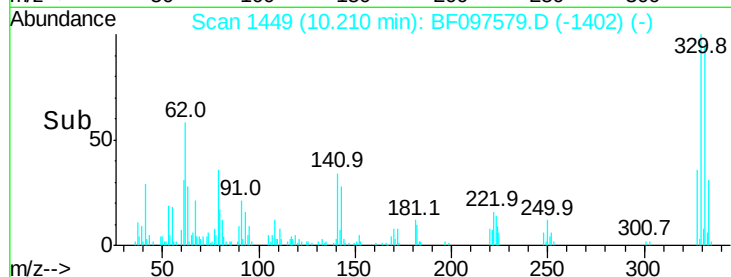
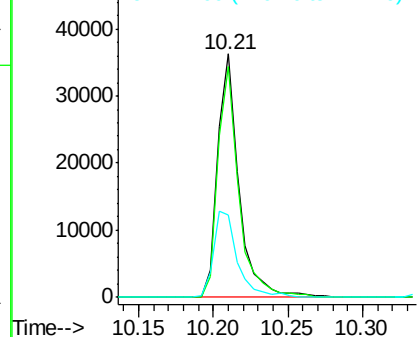
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.3	76.6	115.0	
141	39.5	31.4	47.2	

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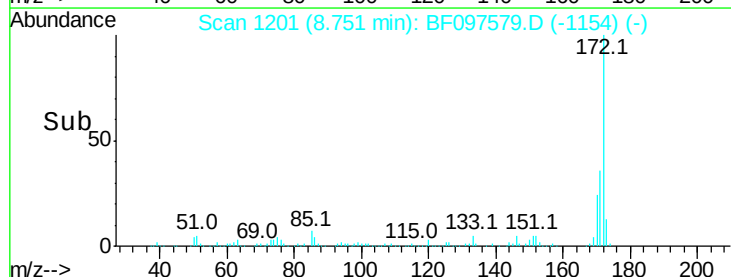
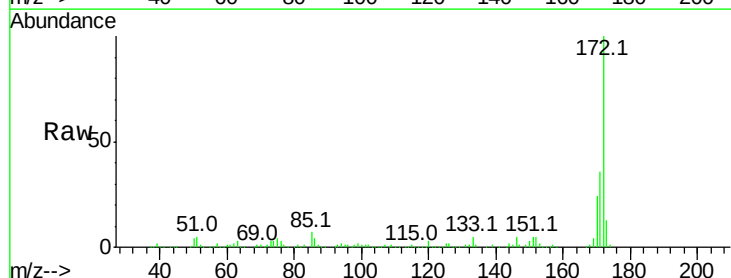
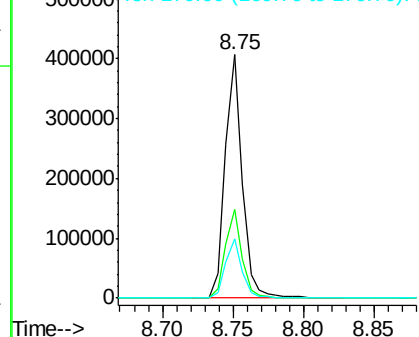
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

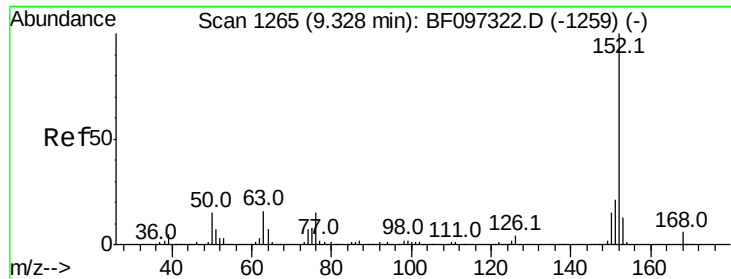


#44
 2-Fluorobiphenyl
 Concen: 45.528 ng
 RT: 8.75 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.6	44.4	
170	24.4	19.8	29.8	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





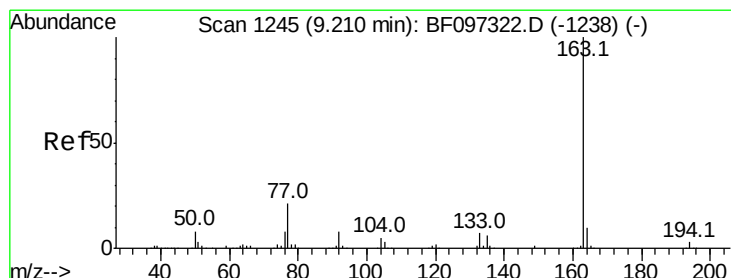
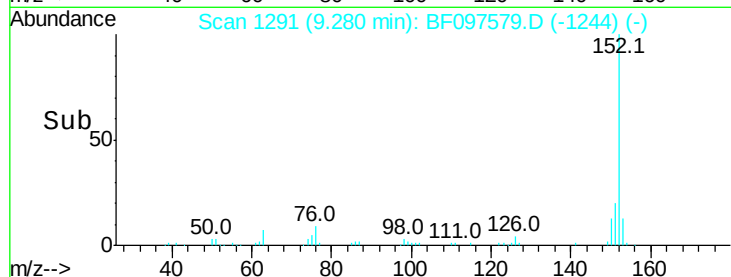
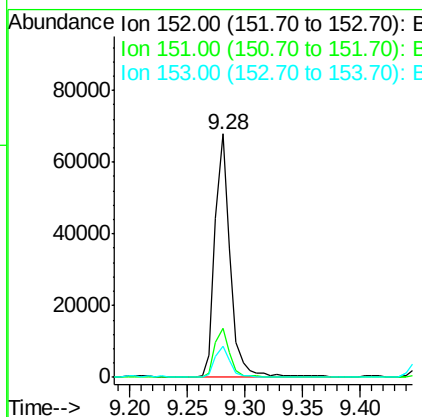
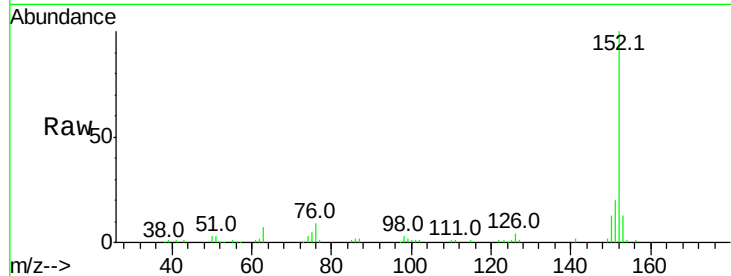
#48
Acenaphthylene
Concen: 5.063 ng
RT: 9.28 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

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

Tot Ion	Ratio	Resp	Lower	Upper
152	100	62507		
151	20.1		16.8	25.2
153	12.7		10.8	16.2

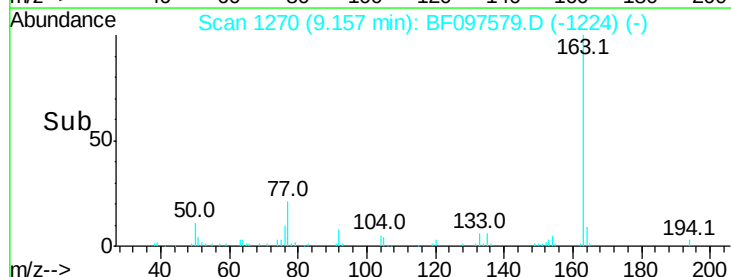
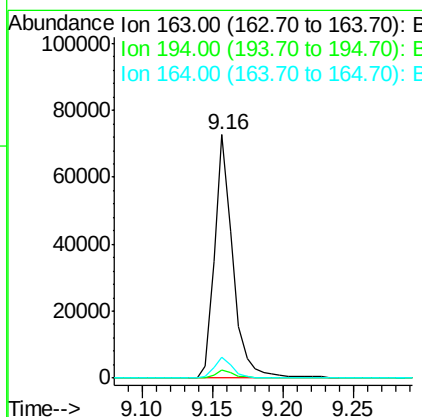
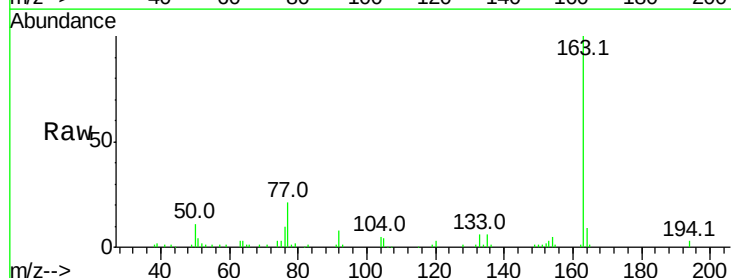
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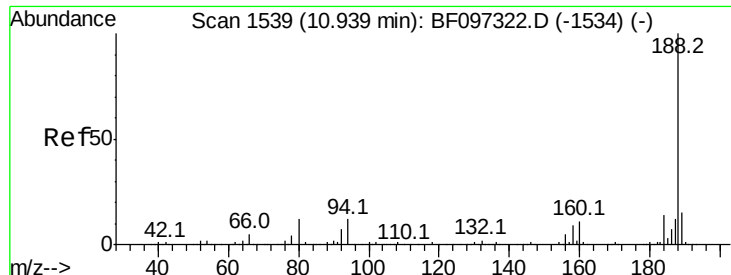
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#49
Dimethylphthalate
Concen: 6.708 ng
RT: 9.16 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	65185		
194	3.2		2.6	4.0
164	8.8		8.4	12.6





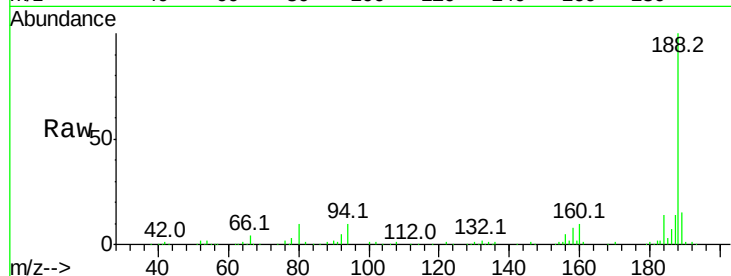
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.89 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

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

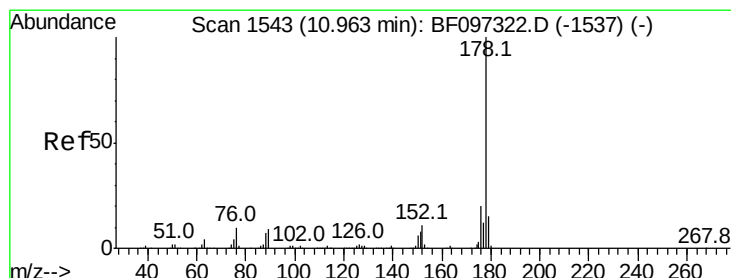
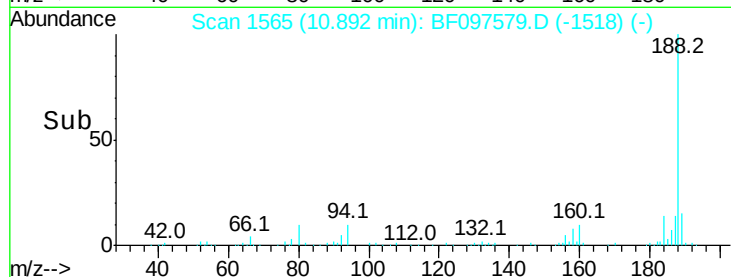
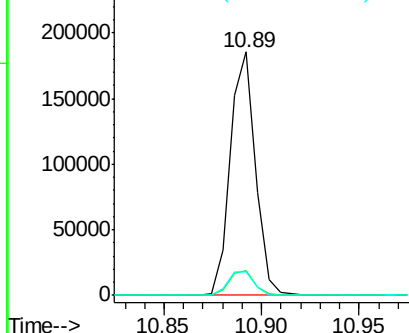
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.2	9.4	14.2
80	9.8	10.2	15.2#

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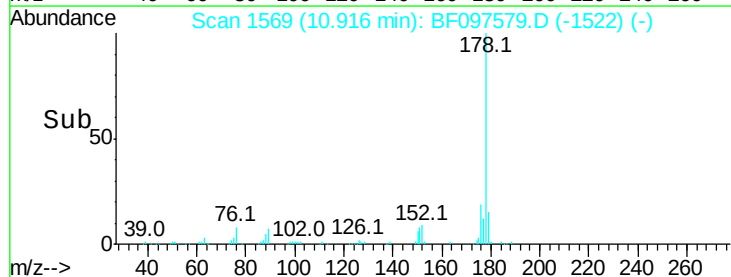
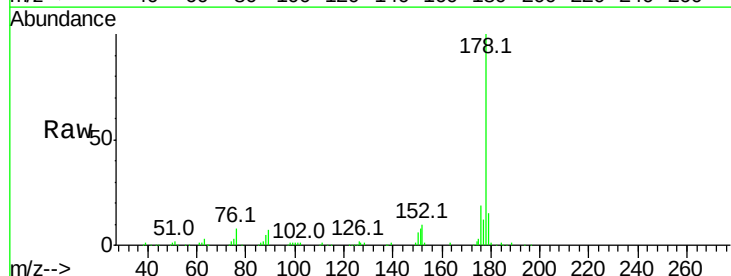
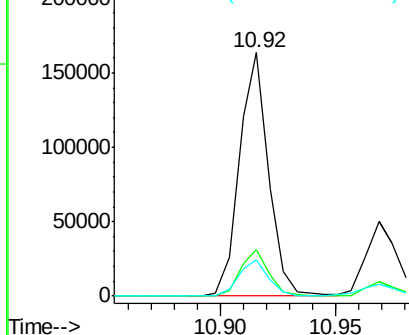
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

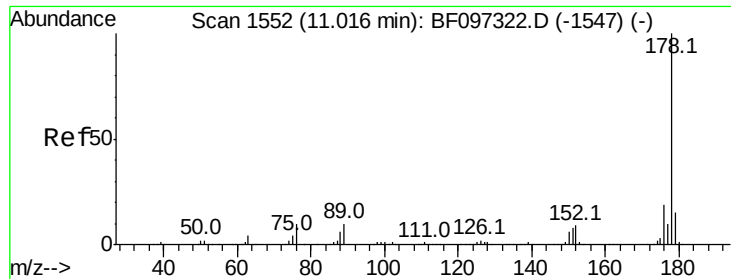


#70
Phenanthrene
Concen: 16.178 ng
RT: 10.92 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	16.2	24.4
179	14.7	12.6	19.0

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





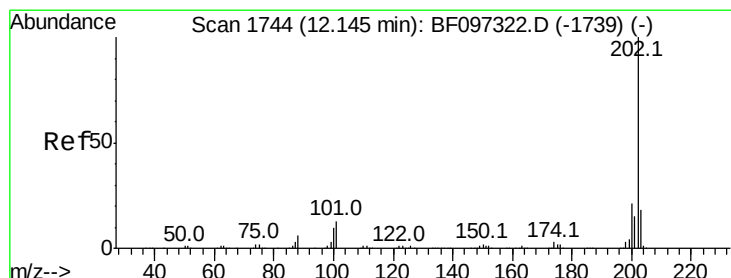
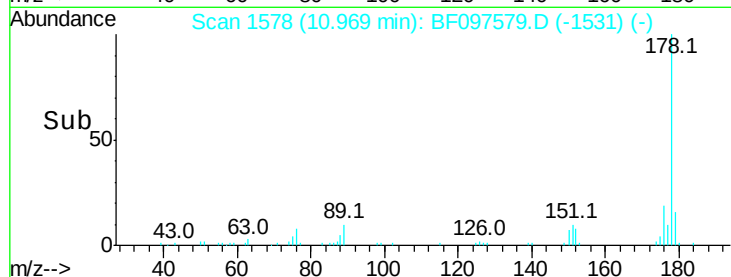
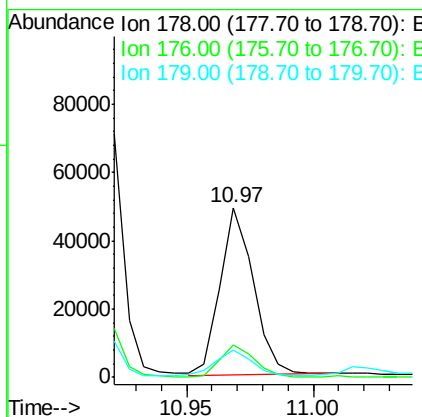
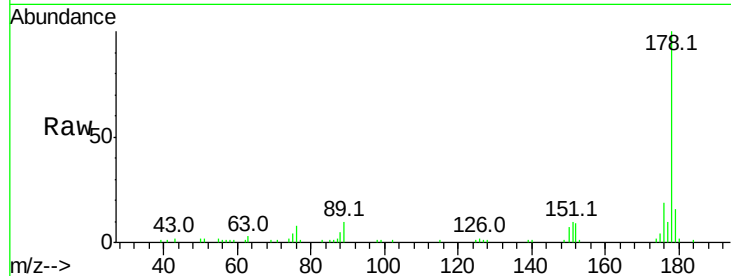
#71
 Anthracene
 Concen: 4.965 ng
 RT: 10.97 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.9	12.7	19.1

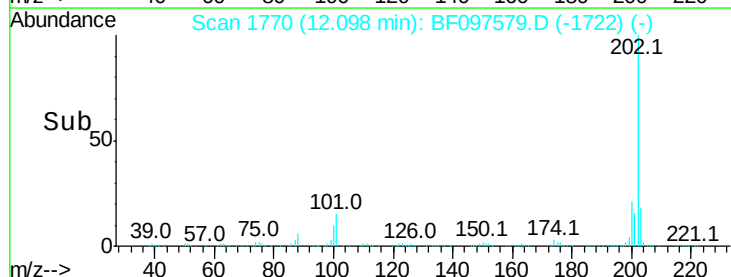
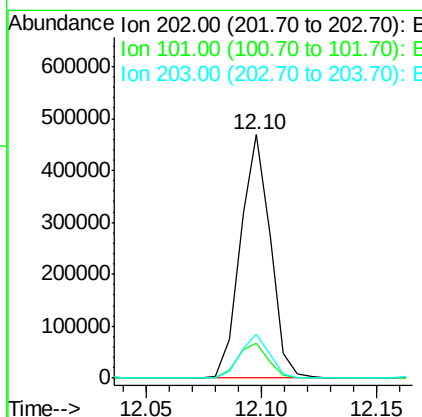
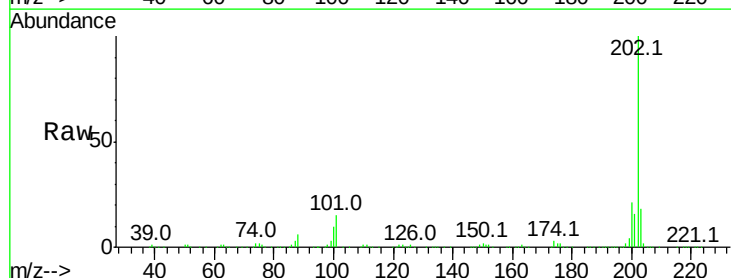
Manual Integrations
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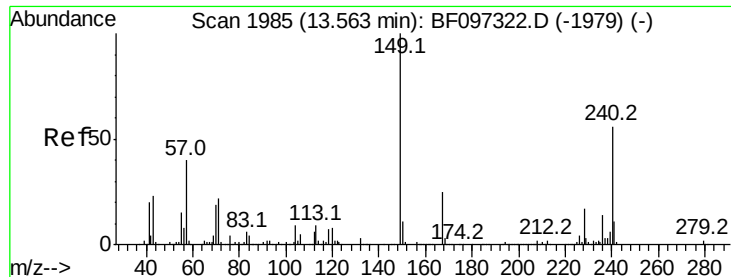
sohil
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#74
 Fluoranthene
 Concen: 48.647 ng
 RT: 12.10 min Scan# 1770
 Delta R.T. -0.02 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	33.2
203	17.8	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: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3A

Tot Ion:240 Resp: 169270

Ion Ratio Lower Upper

240 100

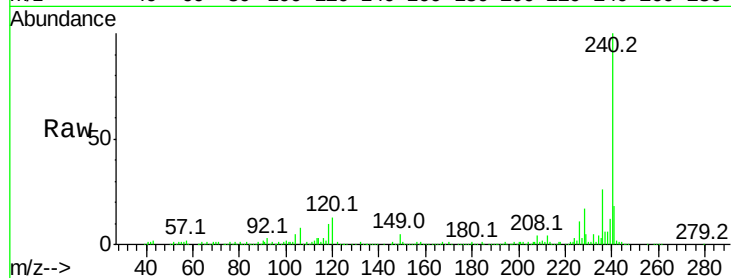
120 12.7 5.8 8.8#

236 26.1 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

250000

200000

150000

100000

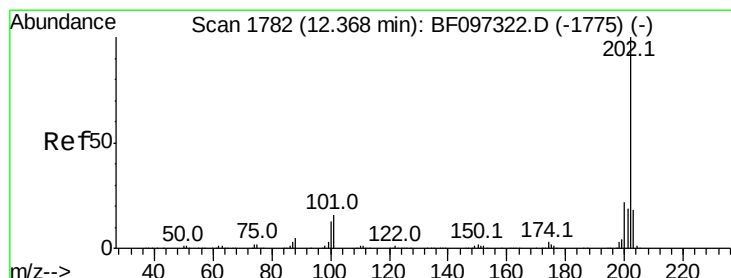
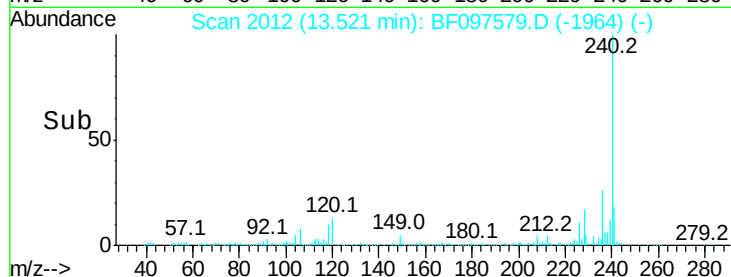
50000

0

13.52

13.50 13.60

Time-->



#77

Pyrene

Concen: 26.908 ng

RT: 12.32 min Scan# 1808

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

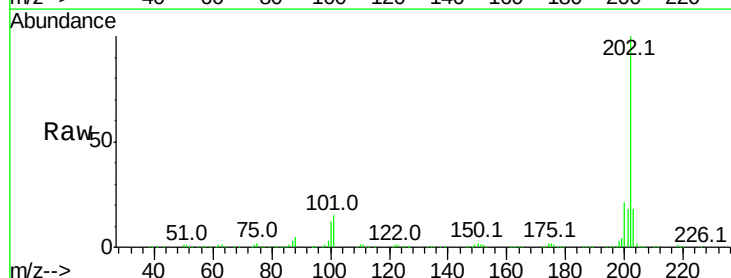
Tgt Ion:202 Resp: 372876

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

203 17.8 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

500000

400000

300000

200000

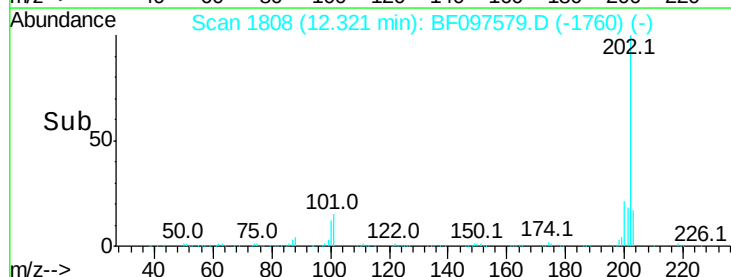
100000

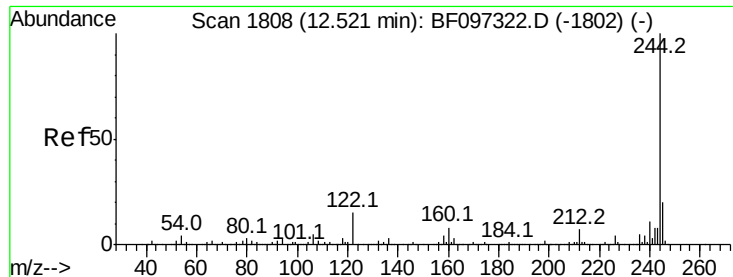
0

12.32

12.25 12.30 12.35

Time-->





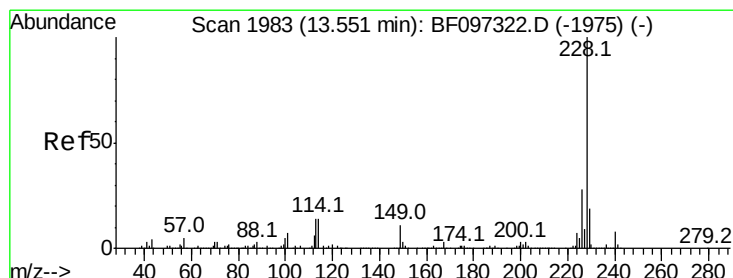
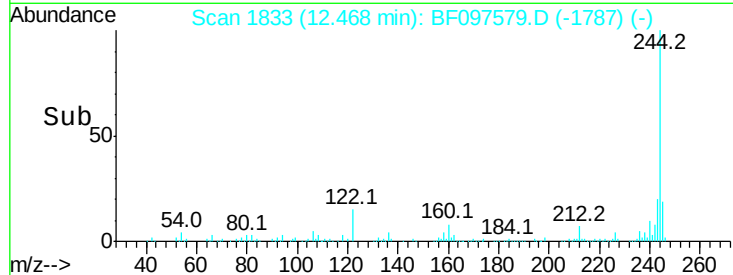
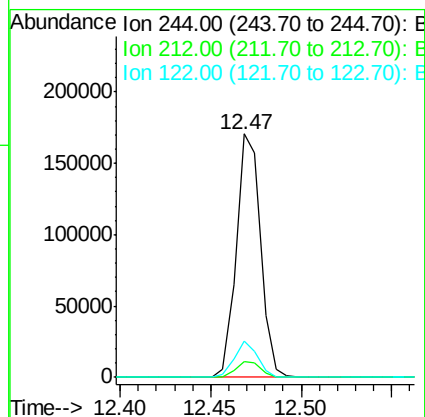
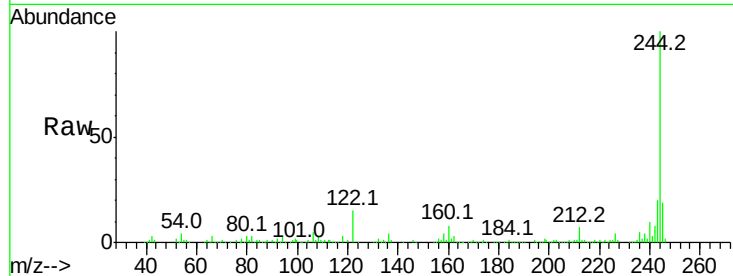
#78
 Terphenyl-d14
 Concen: 19.145 ng
 RT: 12.47 min Scan# 1833
 Delta R.T. -0.03 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	14.9	10.3	15.5

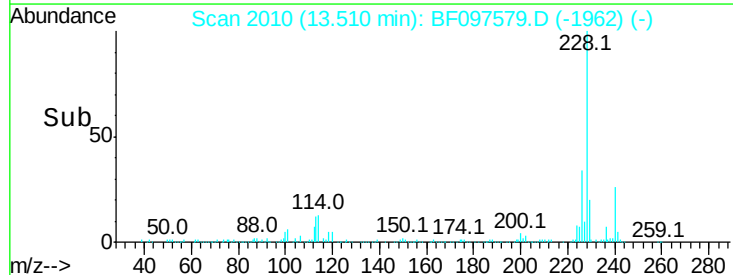
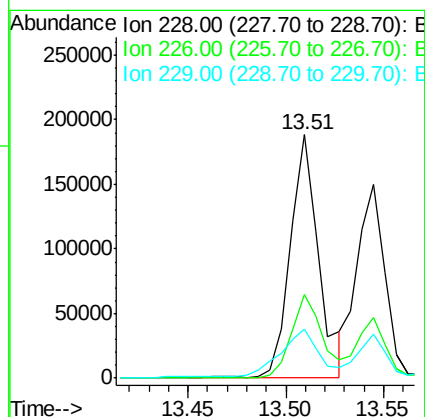
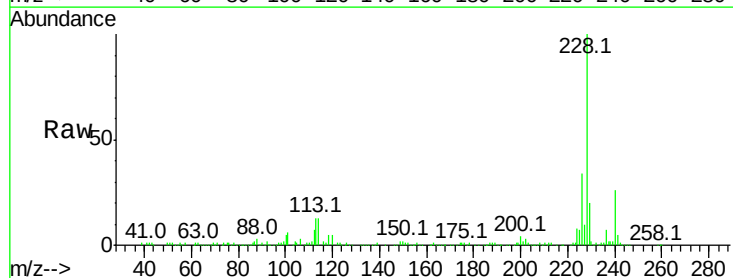
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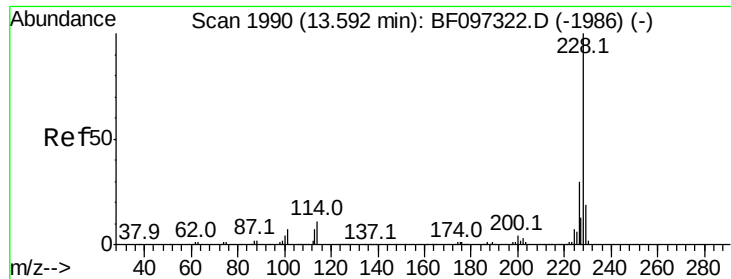
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#80
 Benzo(a)anthracene
 Concen: 17.549 ng m
 RT: 13.51 min Scan# 2010
 Delta R.T. -0.02 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.6	33.8#
229	20.2	16.3	24.5





#82

Chrysene

Concen: 13.714 ng

RT: 13.54 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

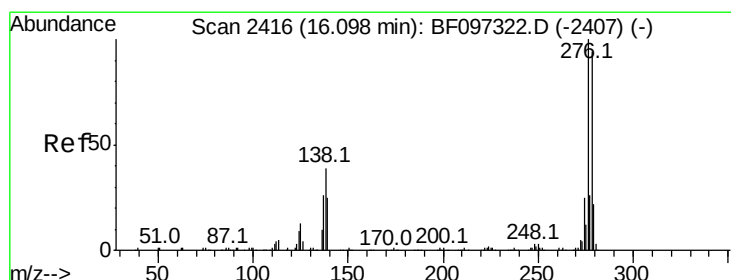
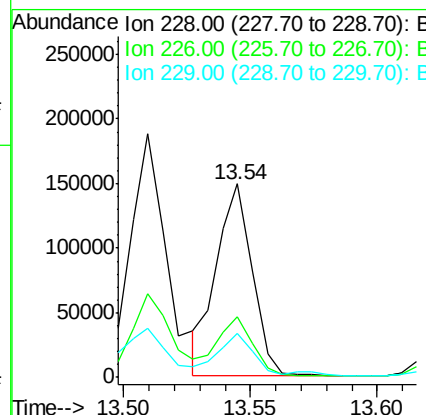
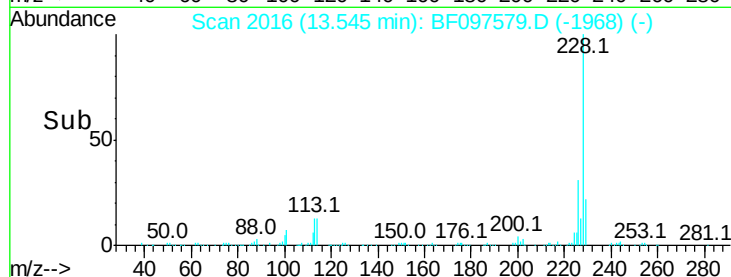
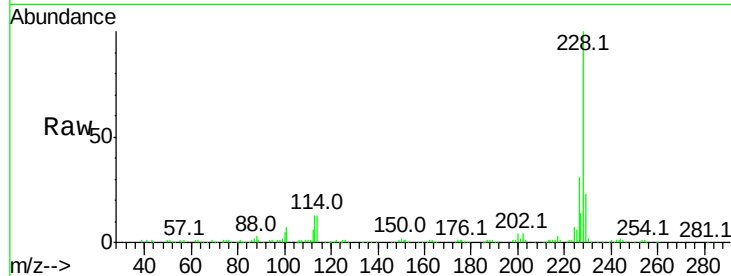
ClientSampleId :

NYSEG-PH4-ESMI-3A

Tot Ion:	228	Resp:	146672
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.9	37.3
229	22.9	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.649 ng

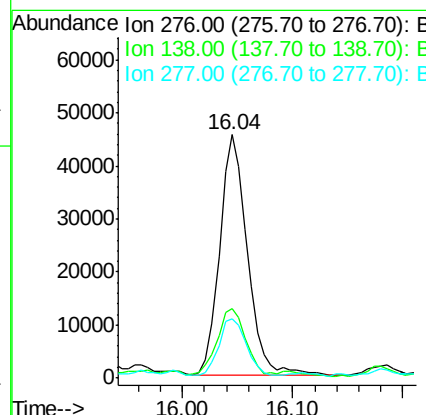
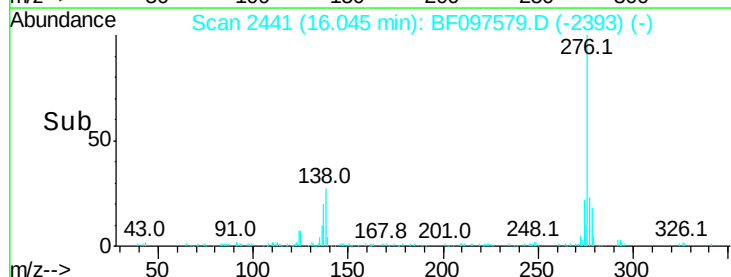
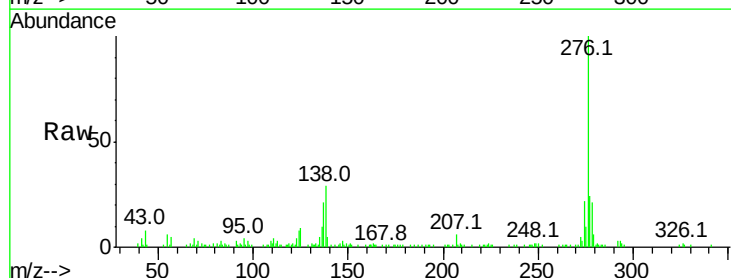
RT: 16.04 min Scan# 2441

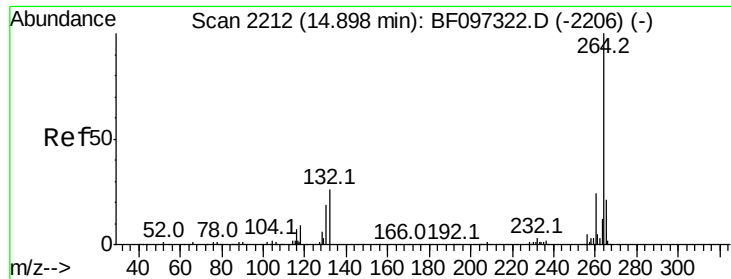
Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Tgt Ion:	276	Resp:	79313
Ion Ratio	Lower	Upper	
276	100		
138	27.9	27.8	41.6
277	22.8	20.2	30.4





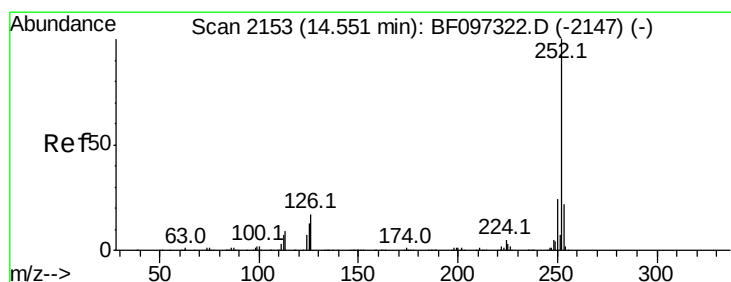
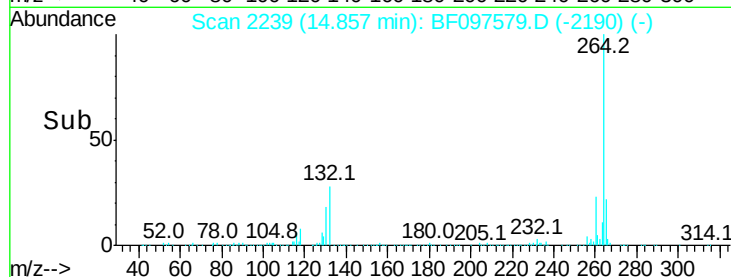
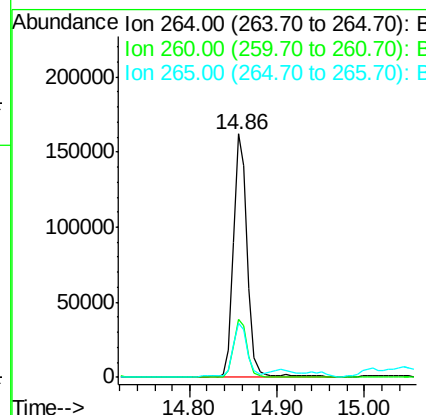
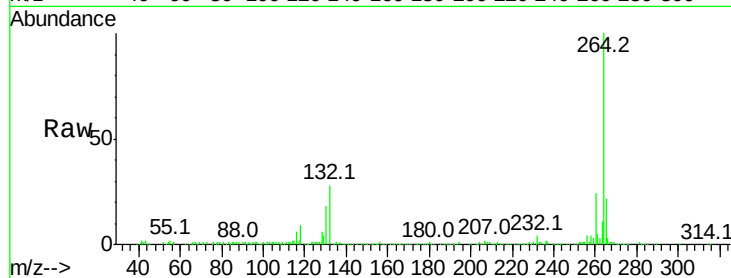
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	22.4	17.2	25.8

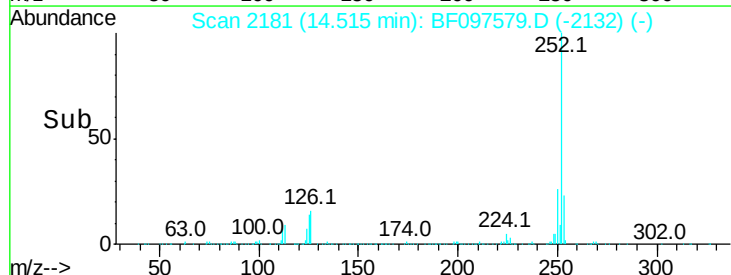
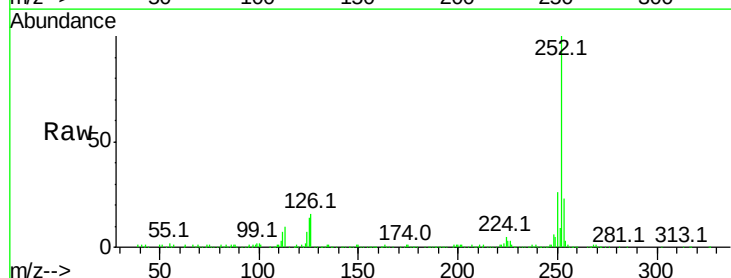
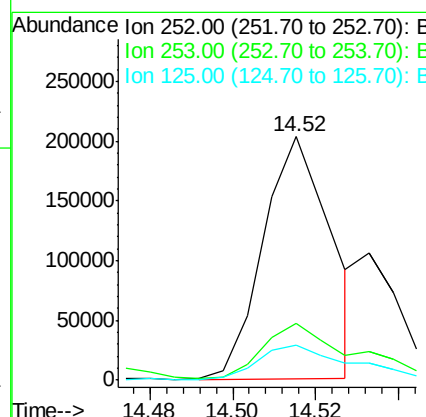
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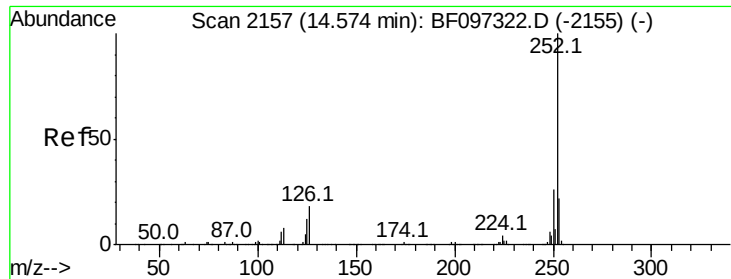
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#87
Benzo(b)fluoranthene
Concen: 21.479 ng m
RT: 14.52 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	14.5	9.8	14.8





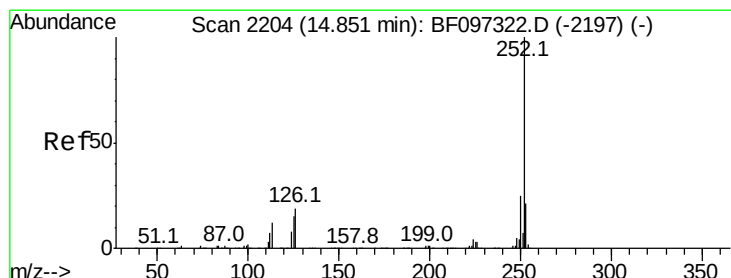
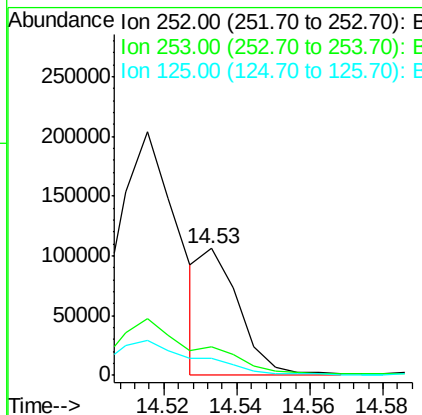
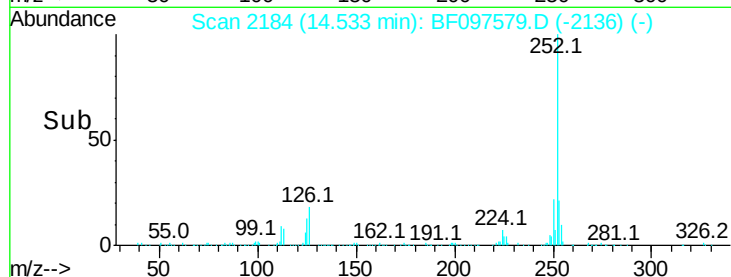
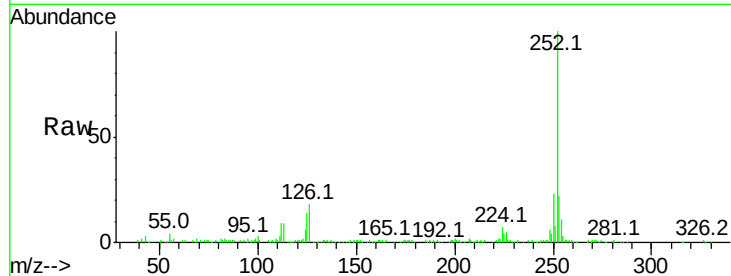
#88
Benzo(k)fluoranthene
Concen: 7.442 ng m
RT: 14.53 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	13.7	13.1	19.7

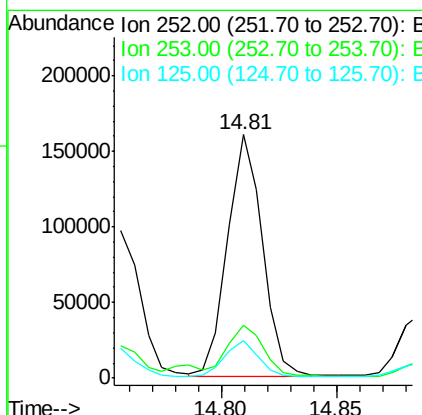
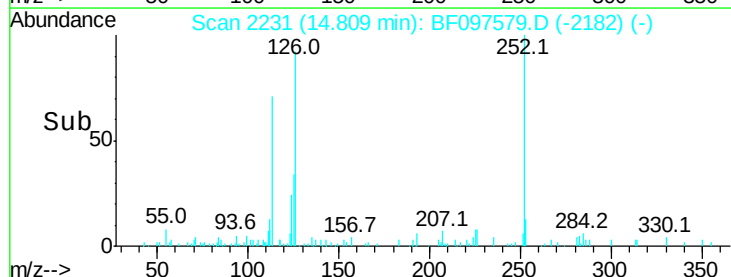
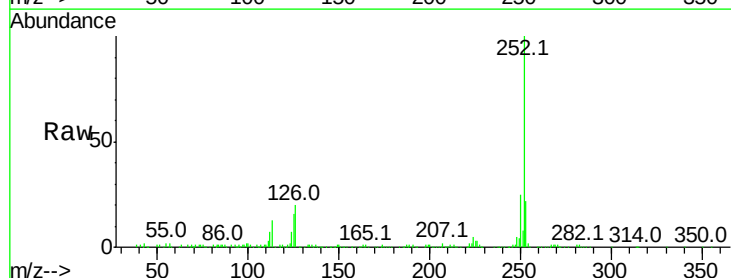
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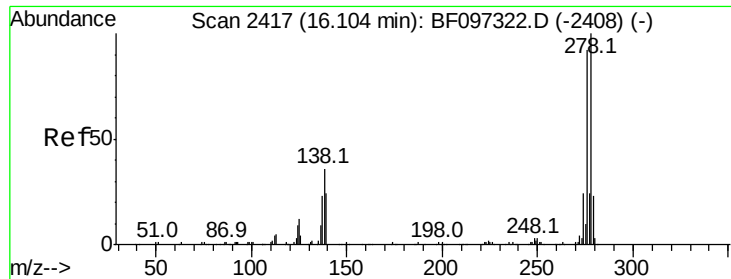
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#89
Benzo(a)pyrene
Concen: 17.184 ng
RT: 14.81 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	15.5	11.0	16.4





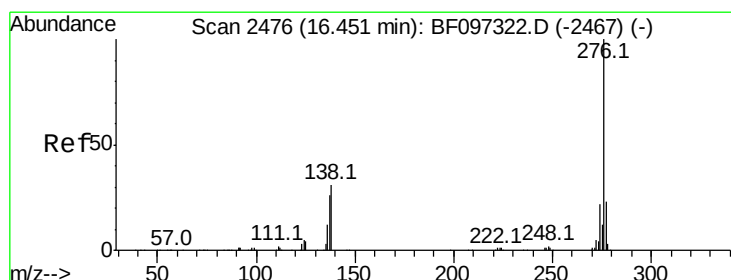
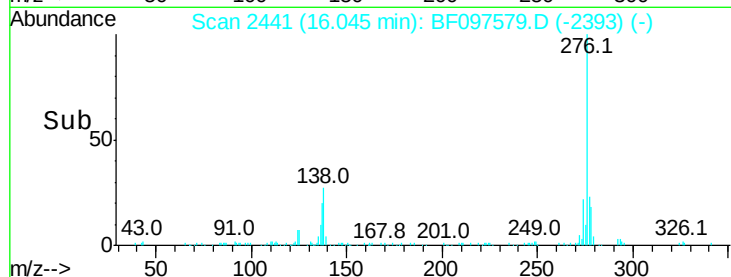
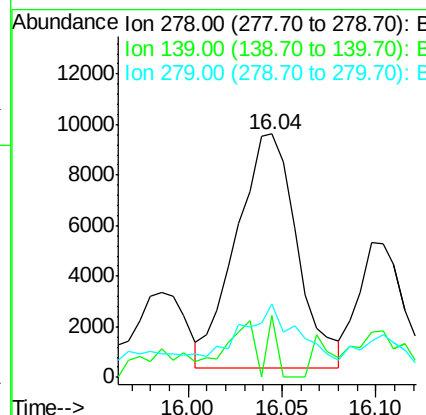
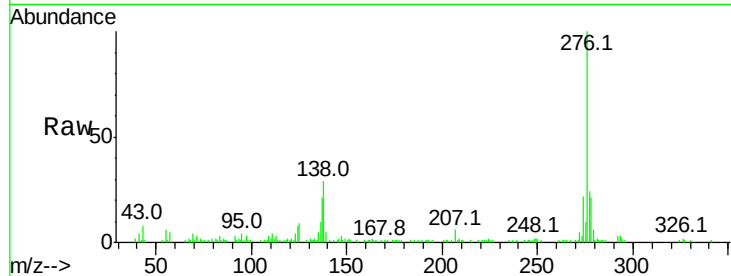
#90
Dibenzo(a,h)anthracene
Concen: 2.574 ng m
RT: 16.04 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.6	16.6	24.8#
279	30.2	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 8.281 ng
RT: 16.40 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	37.4	25.4	38.0

