

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097581.D
 Acq On : 11 Aug 2017 2:01
 Operator : SJ/JU
 Sample : I4697-09 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5A

Manual Integrations
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Quant Time: Aug 11 07:13:25 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	115416	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	444065	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	178032	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	243579	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	213369	20.00	ng	-0.02
86) Perylene-d12	14.86	264	170165	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	111107	14.51	ng	0.00
7) Phenol-d6	6.09	99	148951	17.04	ng	0.00
23) Nitrobenzene-d5	6.97	82	78983	10.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	18034	12.82	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	149615	14.26	ng	-0.02
78) Terphenyl-d14	12.47	244	79972	7.64	ng	-0.03
Target Compounds						
70) Phenanthrene	10.92	178	120282	9.216	ng	98
74) Fluoranthene	12.10	202	153513	12.007	ng	98
77) Pyrene	12.32	202	138602	7.935	ng	98
80) Benzo(a)anthracene	13.51	228	72853	5.277	ng	98
82) Chrysene	13.55	228	74725	5.543	ng	97
85) Indeno(1,2,3-cd)pyrene	16.05	276	27139	2.348	ng	# 90
87) Benzo(b)fluoranthene	14.52	252	85776m	8.386	ng	
88) Benzo(k)fluoranthene	14.53	252	27541m	2.825	ng	
89) Benzo(a)pyrene	14.81	252	56519	6.037	ng	# 95
91) Benzo(g,h,i)perylene	16.40	276	27908	3.466	ng	# 93

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

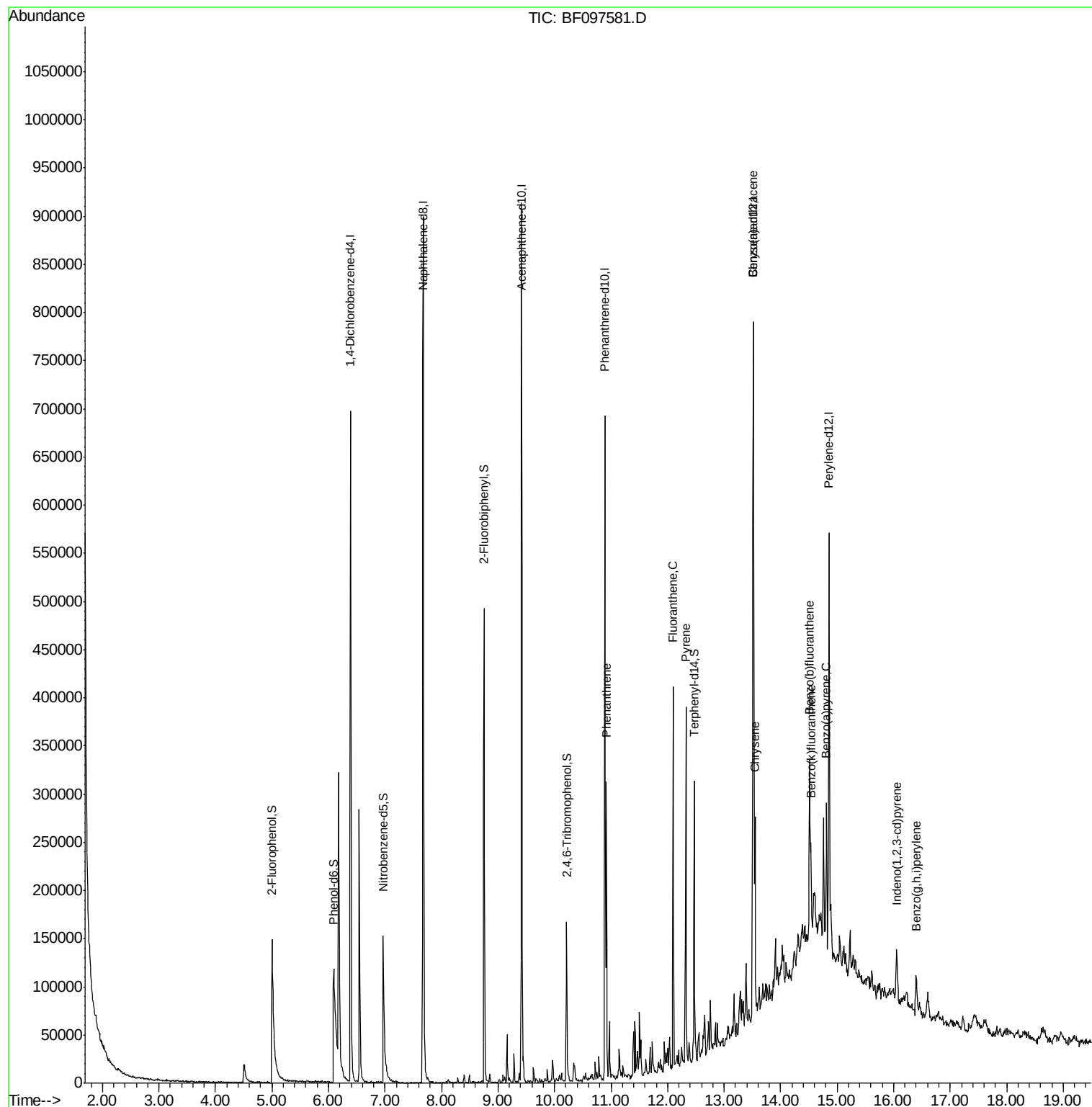
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
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Sample : I4697-09 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

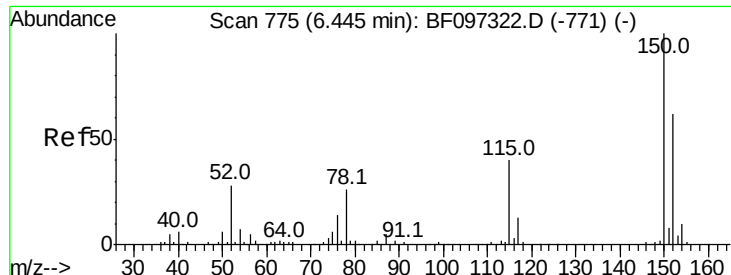
Instrument :
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ClientSampleId :
NYSEG-PH4-ESMI-5A

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#1

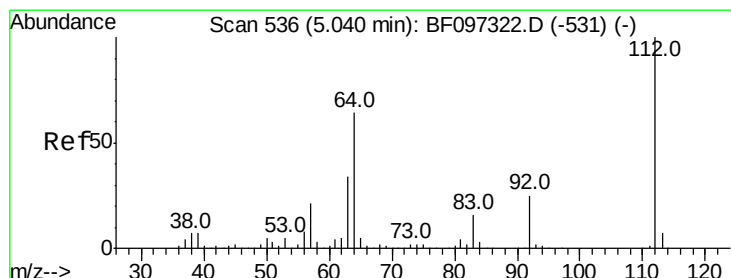
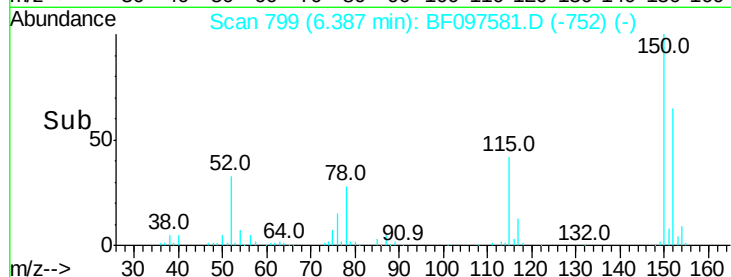
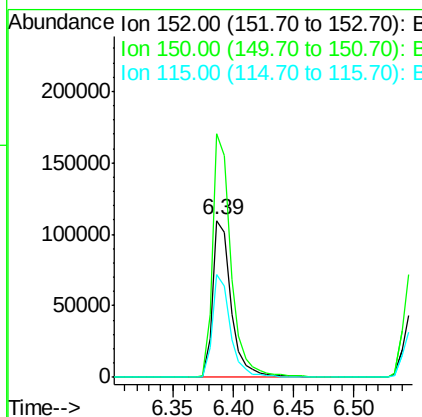
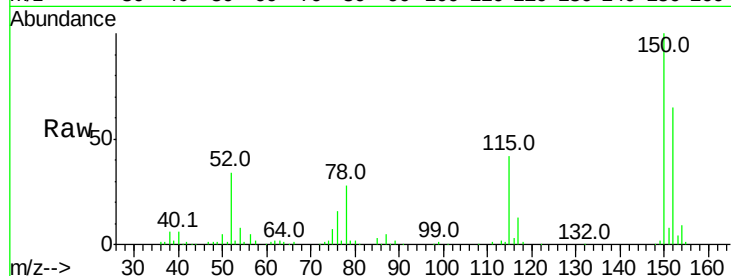
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.39 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	65.8	52.2	78.2

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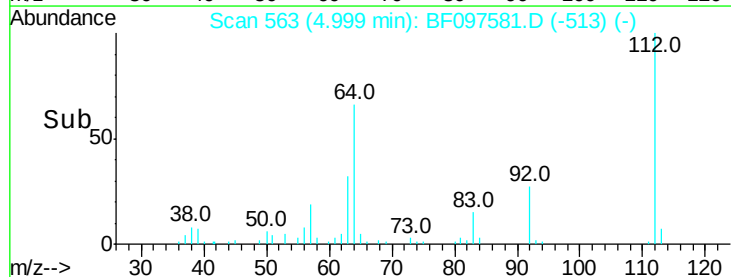
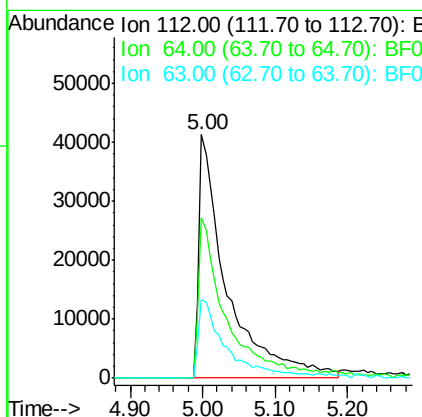
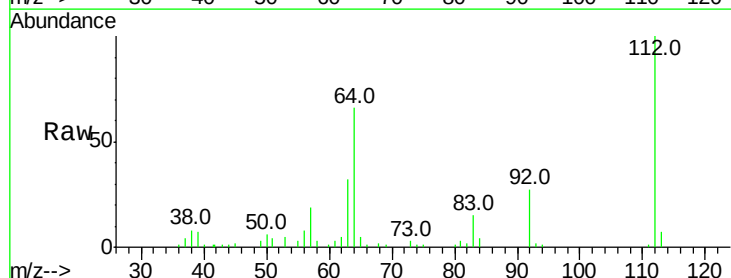
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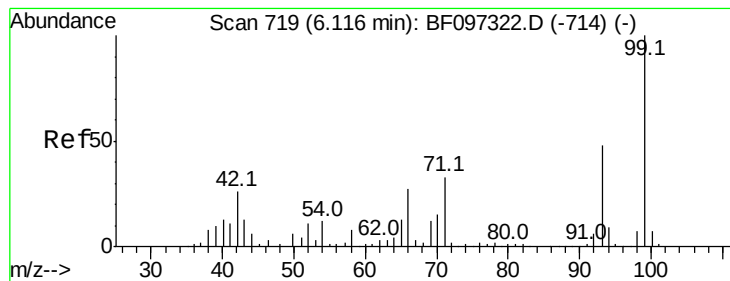


#5

2-Fluorophenol
Concen: 14.512 ng
RT: 5.00 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	32.4	23.4	35.0





#7

Phenol-d6

Concen: 17.042 ng

RT: 6.09 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF097581.D

Acq: 11 Aug 2017 2:01

Instrument :

BNA_F

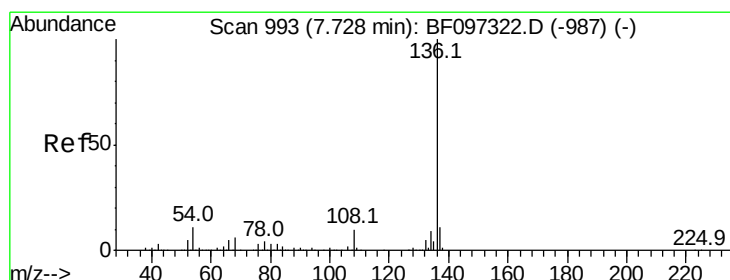
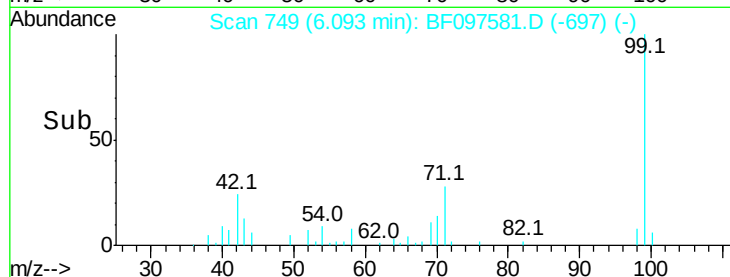
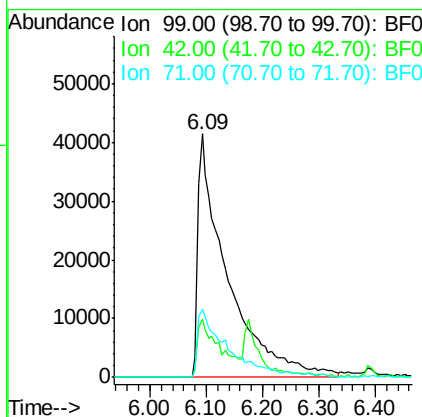
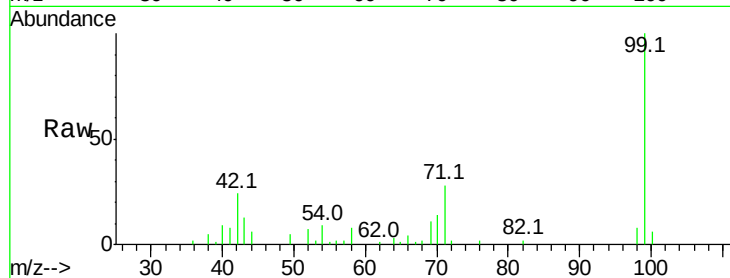
ClientSampleId :

NYSEG-PH4-ESMI-5A

Tot Ion:	99	Resp:	148951
Ion Ratio	Lower	Upper	
99	100		
42	23.6	13.5	20.3#
71	27.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

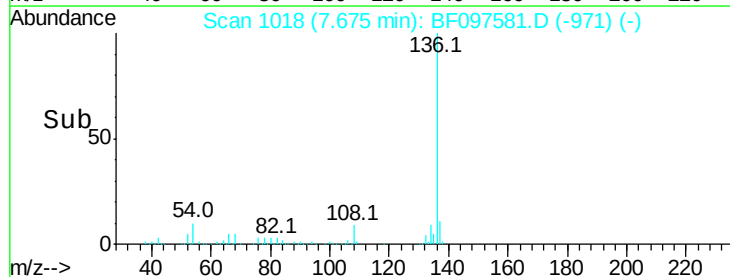
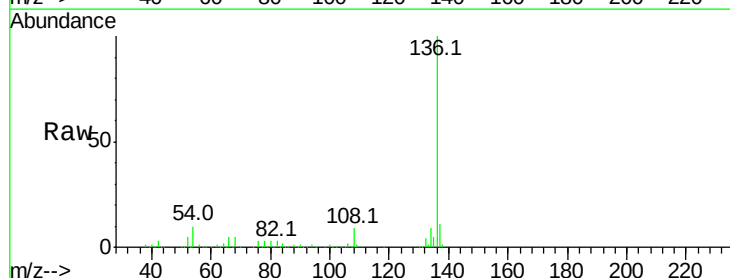
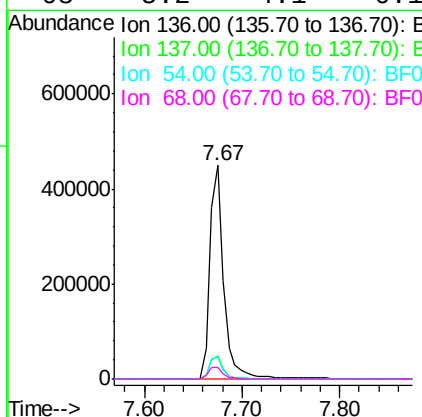
RT: 7.67 min Scan# 1018

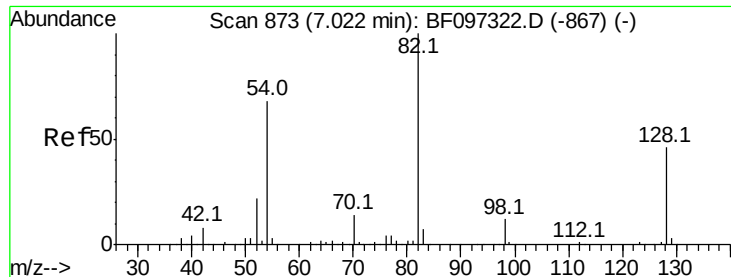
Delta R.T. -0.02 min

Lab File: BF097581.D

Acq: 11 Aug 2017 2:01

Tgt Ion:	136	Resp:	444065
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	10.1	4.9	7.3#
68	5.2	4.1	6.1





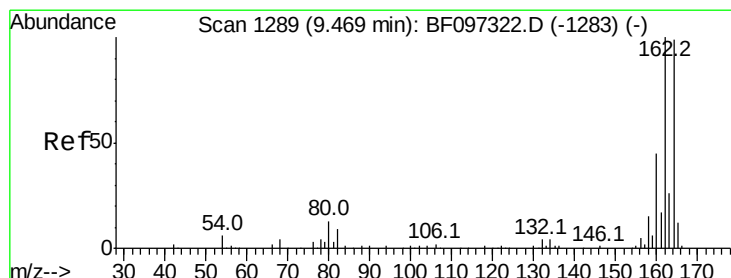
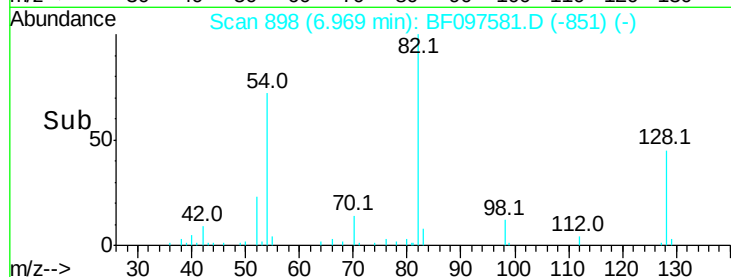
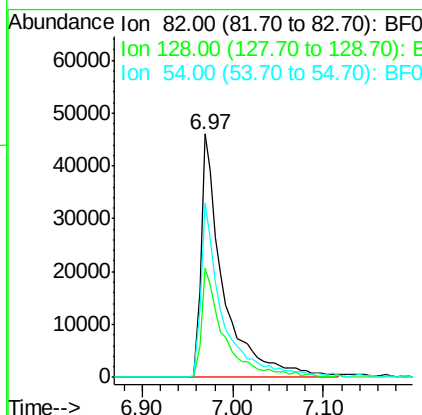
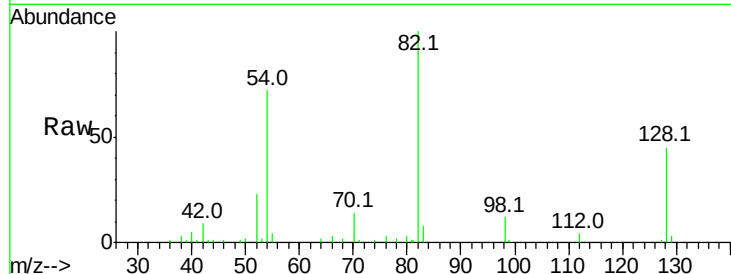
#23
 Nitrobenzene-d5
 Concen: 10.434 ng
 RT: 6.97 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF097581.D
 Acq: 11 Aug 2017 2:01

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5A

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.0	51.0
54	71.5	42.2	63.2

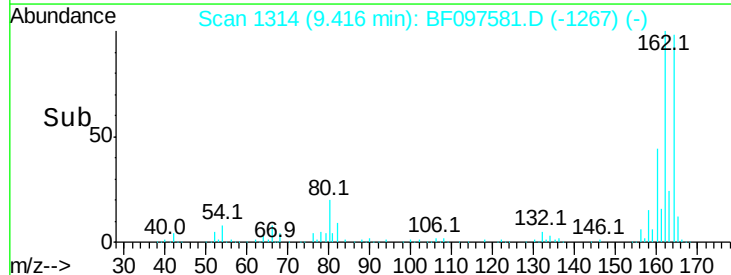
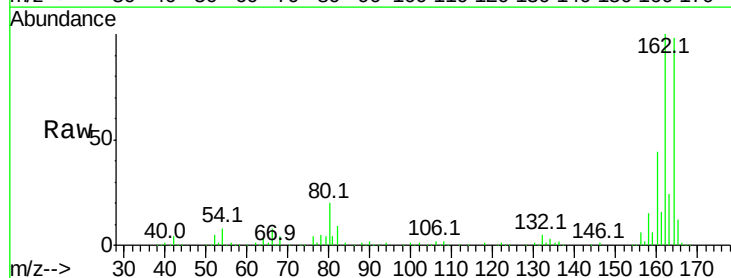
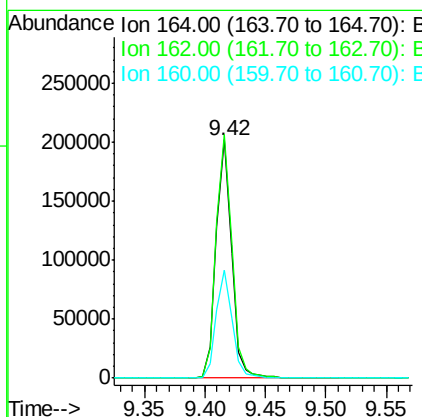
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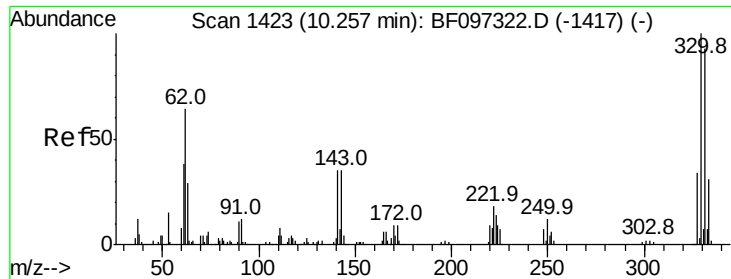
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.42 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF097581.D
 Acq: 11 Aug 2017 2:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	45.1	36.2	54.2





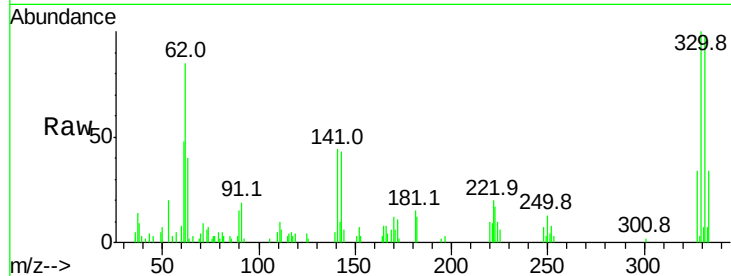
#41
 2,4,6-Tribromophenol
 Concen: 12.821 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF097581.D
 Acq: 11 Aug 2017 2:01

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5A

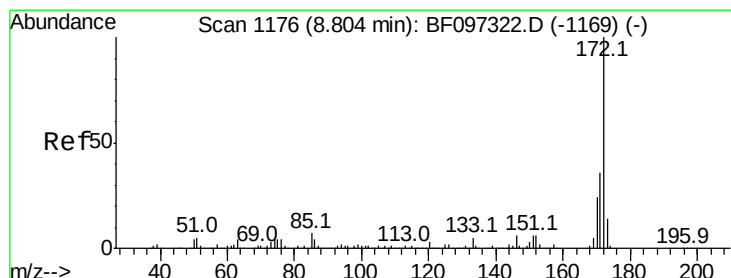
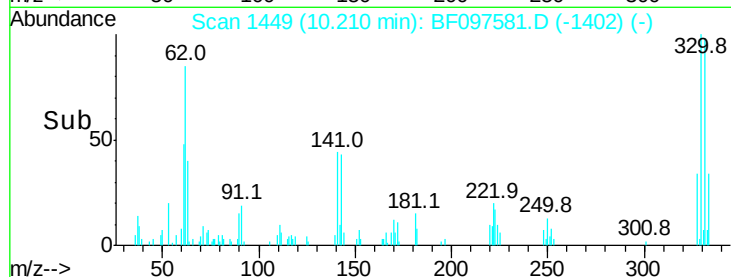
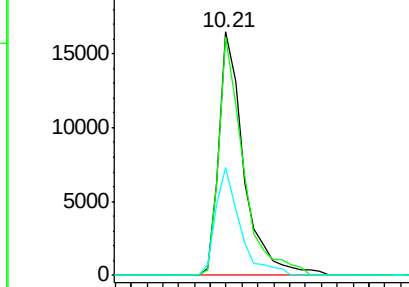
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	43.2	31.4	47.2

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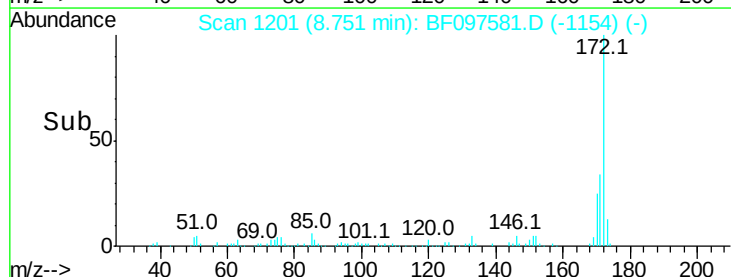
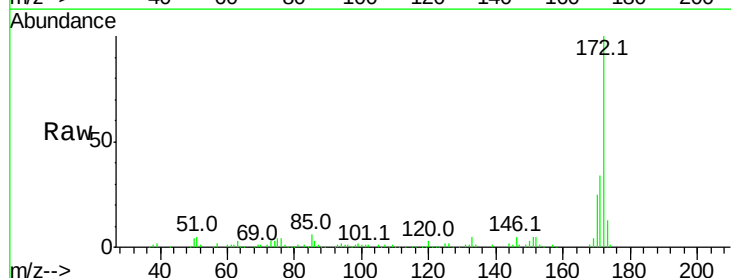
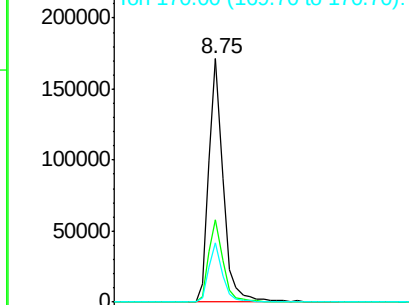
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

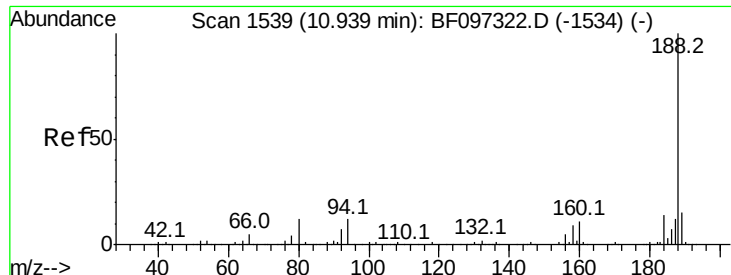


#44
 2-Fluorobiphenyl
 Concen: 14.262 ng
 RT: 8.75 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF097581.D
 Acq: 11 Aug 2017 2:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.6	44.4
170	24.6	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





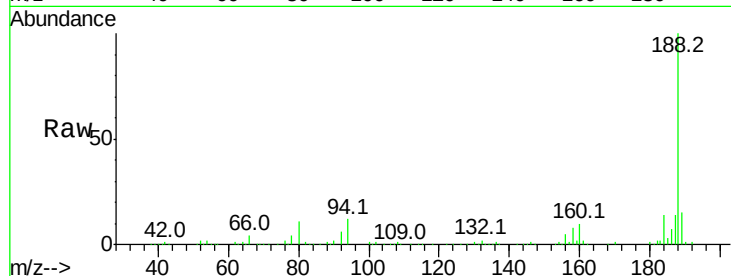
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.89 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5A

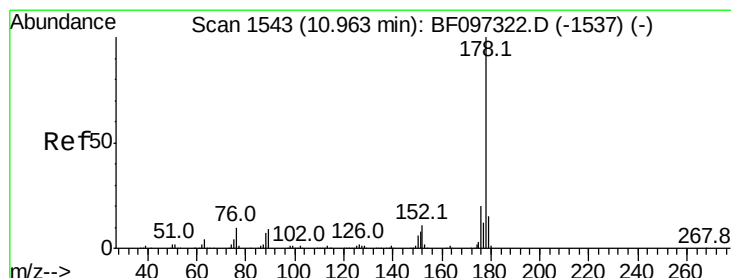
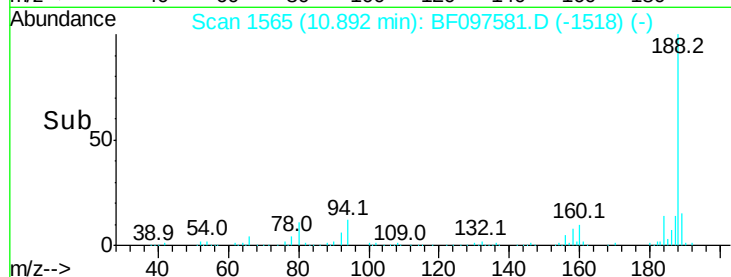
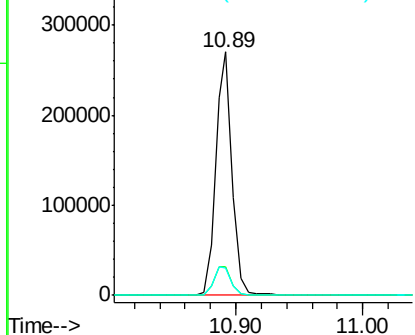
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.7	9.4	14.2	
80	11.3	10.2	15.2	

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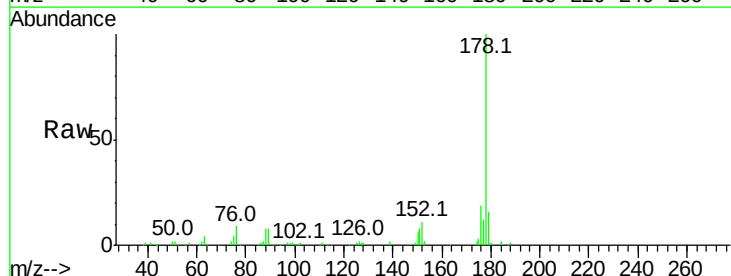


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

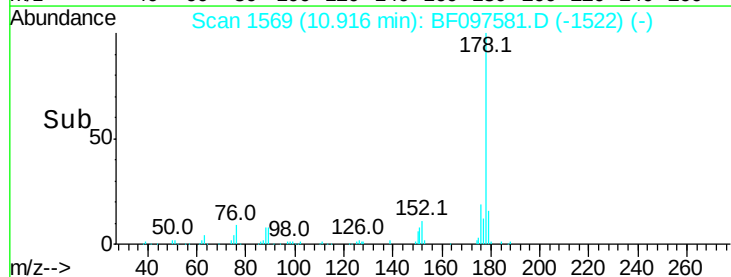
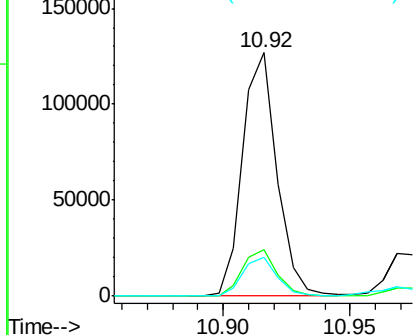


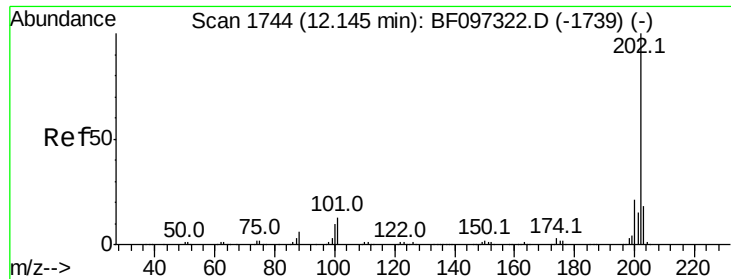
#70
Phenanthrene
Concen: 9.216 ng
RT: 10.92 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.3	16.2	24.4	
179	16.2	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





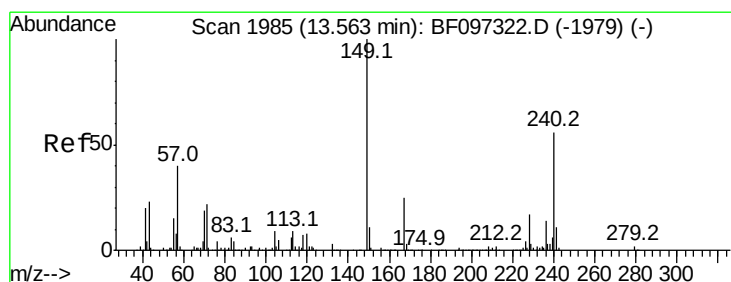
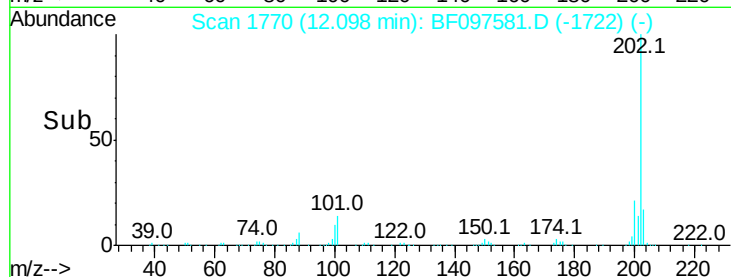
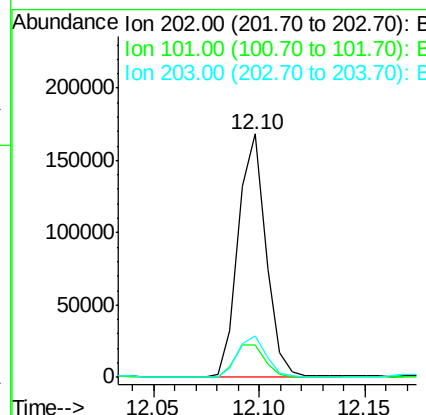
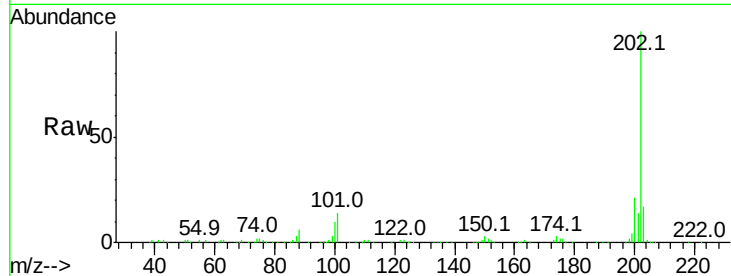
#74
Fluoranthene
Concen: 12.007 ng
RT: 12.10 min Scan# 1770
Delta R.T. -0.02 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	0.0	33.2
203	16.8	0.0	38.1

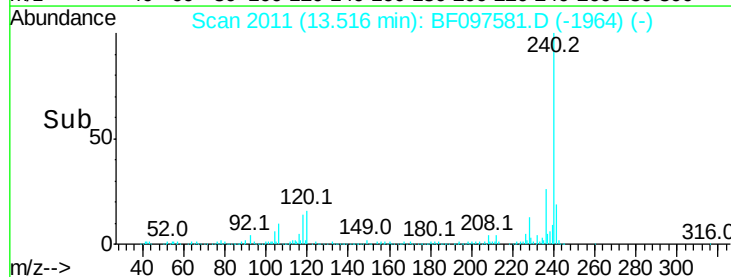
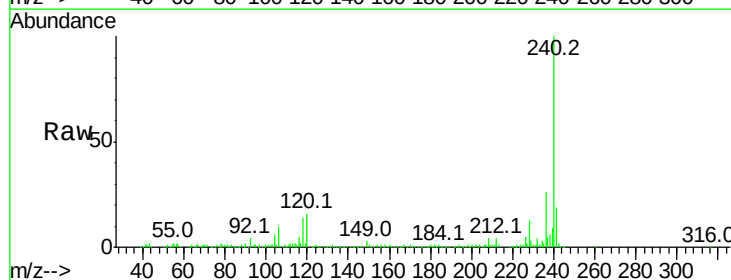
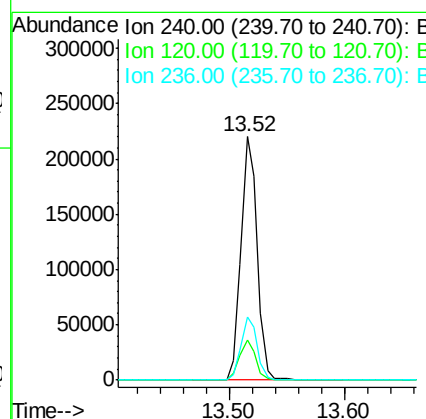
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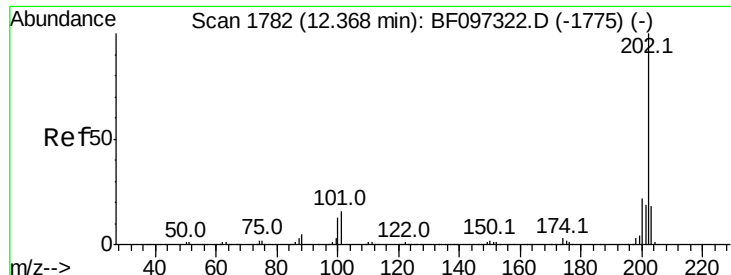
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.52 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.4	5.8	8.8#
236	25.8	20.5	30.7





#77

Pvrene

Concen: 7.935 ng

RT: 12.32 min Scan# 1808

Delta R.T. -0.02 min

Lab File: BF097581.D

Acq: 11 Aug 2017 2:01

Instrument :

BNA_F

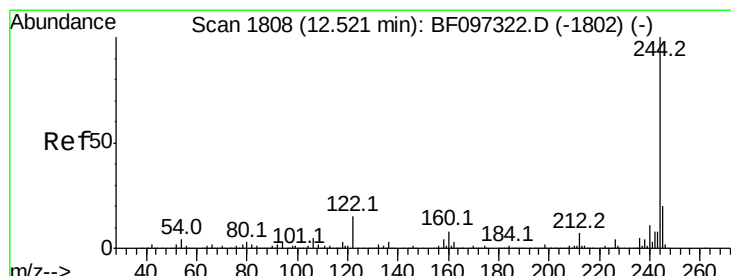
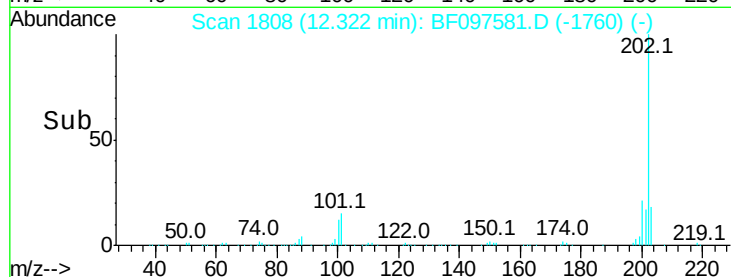
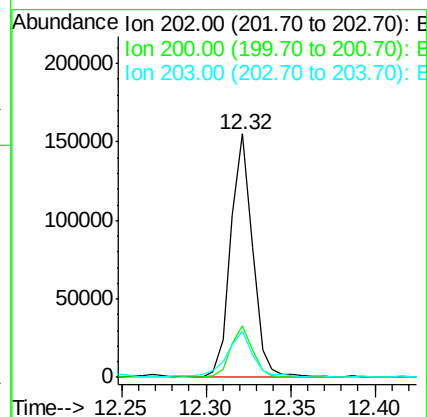
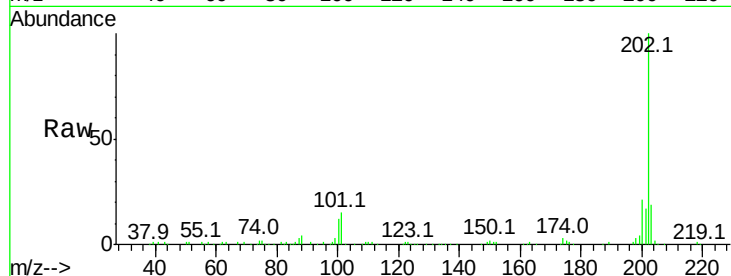
ClientSampleId :

NYSEG-PH4-ESMI-5A

Tot Ion:	202	Resp:	138602
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.8	14.4	21.6

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#78

Terphenyl-d14

Concen: 7.642 ng

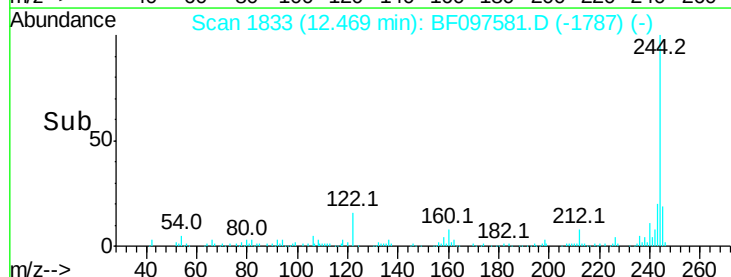
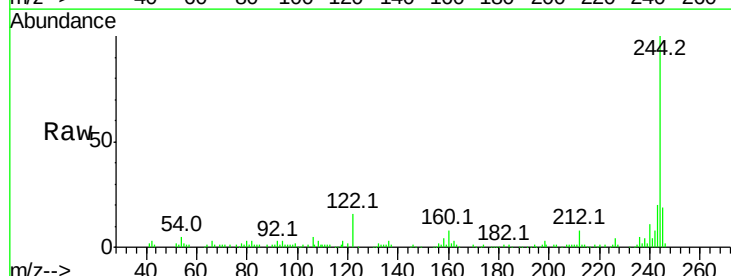
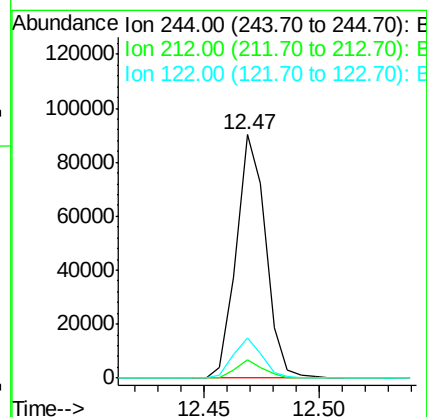
RT: 12.47 min Scan# 1833

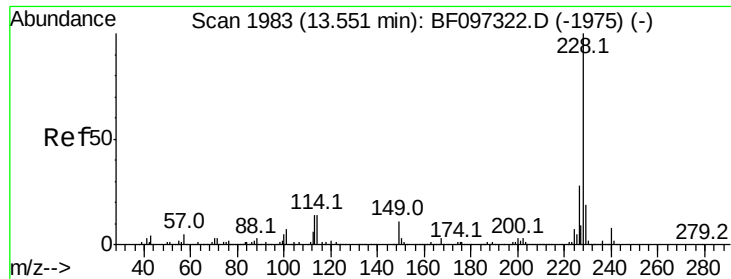
Delta R.T. -0.03 min

Lab File: BF097581.D

Acq: 11 Aug 2017 2:01

Tgt Ion:	244	Resp:	79972
Ion Ratio		Lower	Upper
244	100		
212	7.5	6.0	9.0
122	16.2	10.3	15.5#





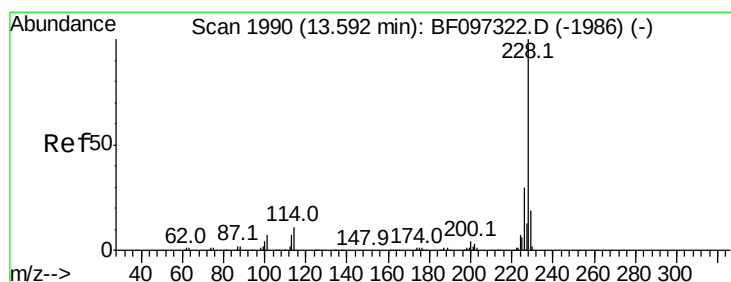
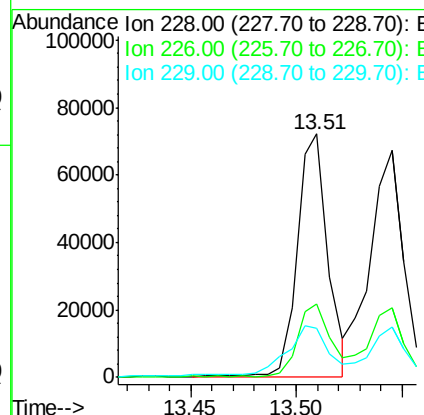
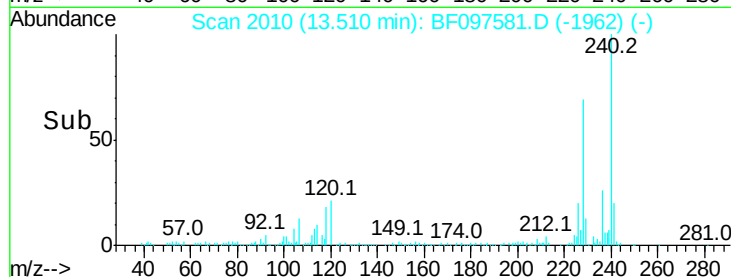
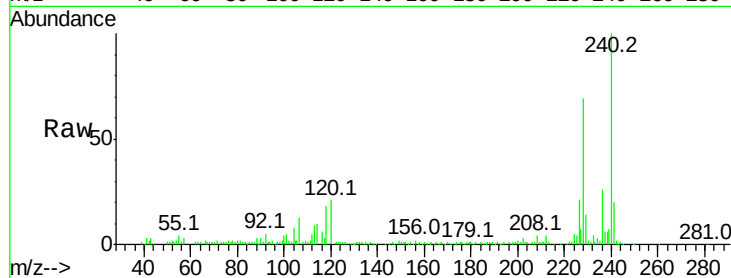
#80
Benzo(a)anthracene
Concen: 5.277 ng
RT: 13.51 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.1	16.3	24.5

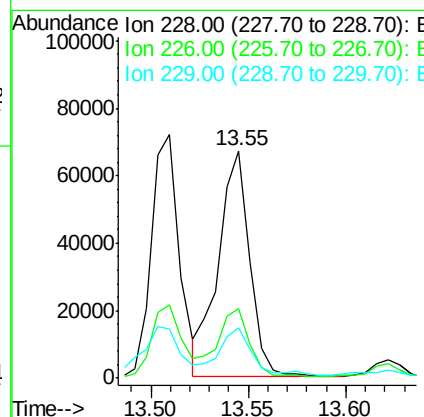
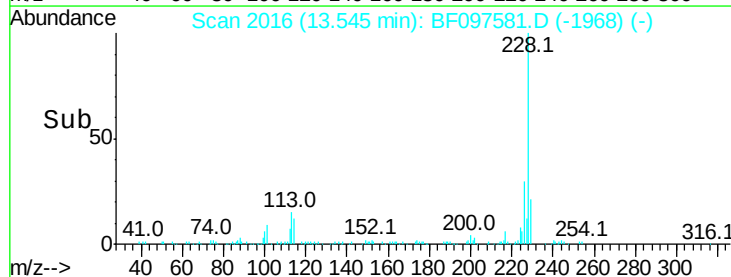
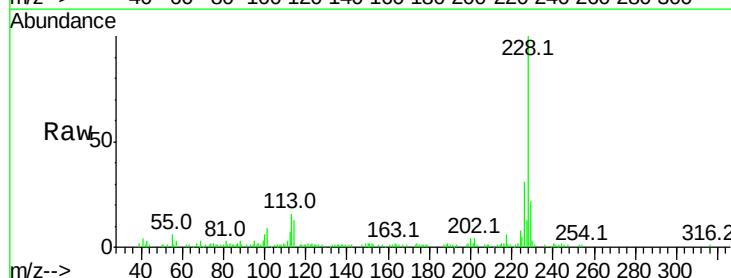
Manual Integrations
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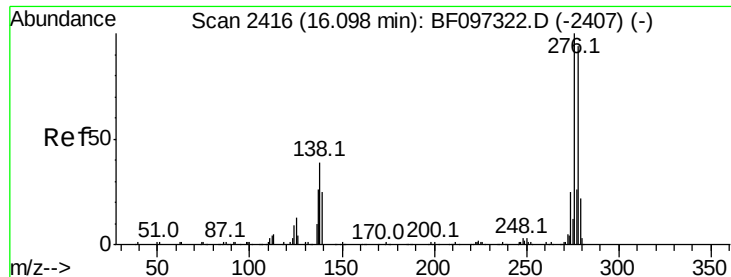
sohil
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#82
Chrysene
Concen: 5.543 ng
RT: 13.55 min Scan# 2016
Delta R.T. -0.02 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.4	15.8	23.6





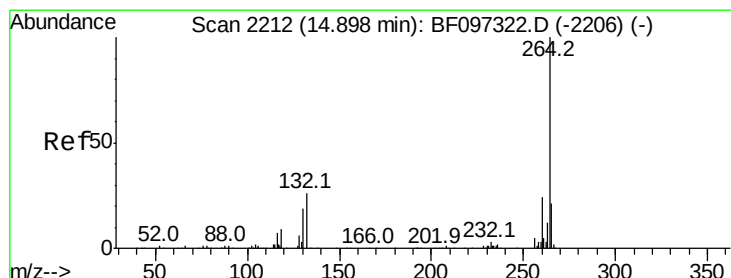
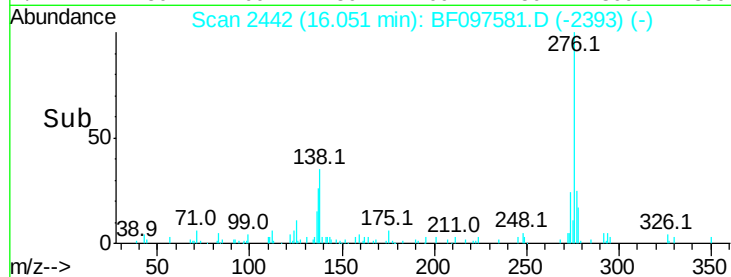
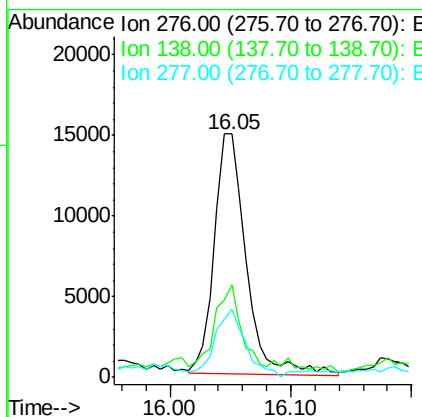
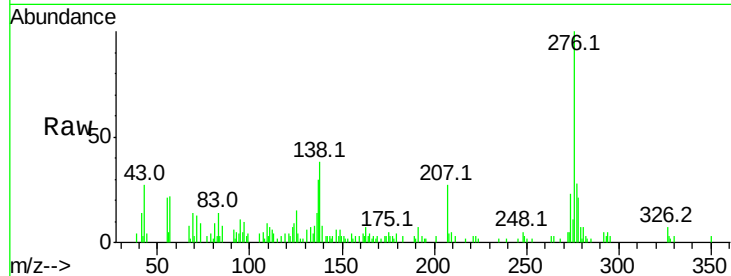
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.348 ng
RT: 16.05 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5A

Tot Ion	Ratio	Resp	Lower	Upper
276	100	27139		
138	26.8	27.8	41.6#	
277	27.5	20.2	30.4	

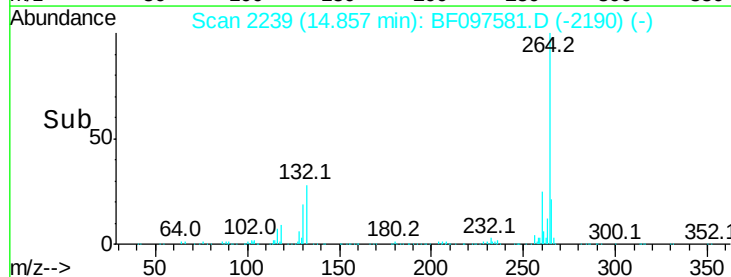
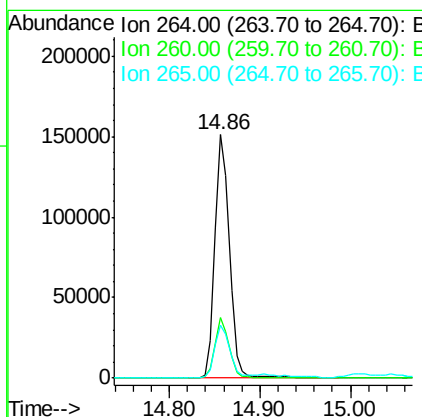
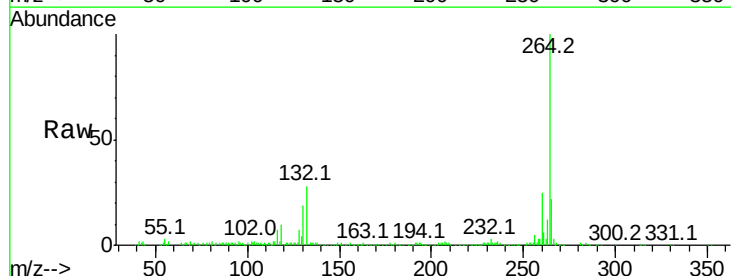
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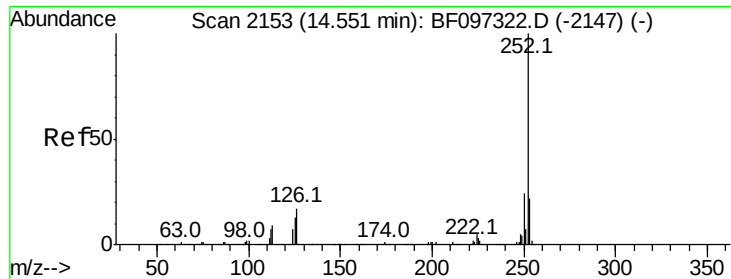
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	170165		
260	25.1	19.5	29.3	
265	21.8	17.2	25.8	





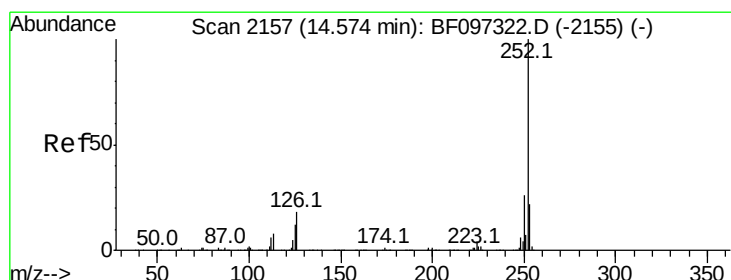
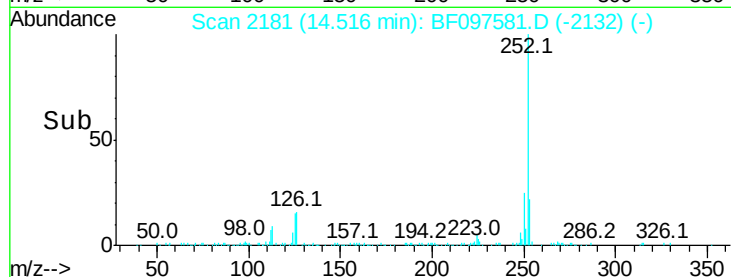
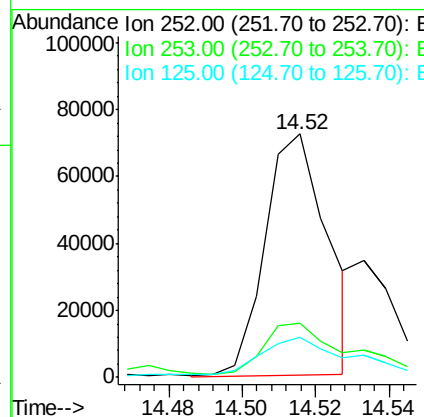
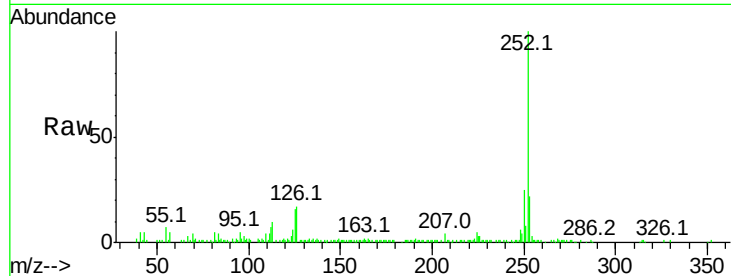
#87
Benzo(b)fluoranthene
Concen: 8.386 ng m
RT: 14.52 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	16.5	9.8	14.8

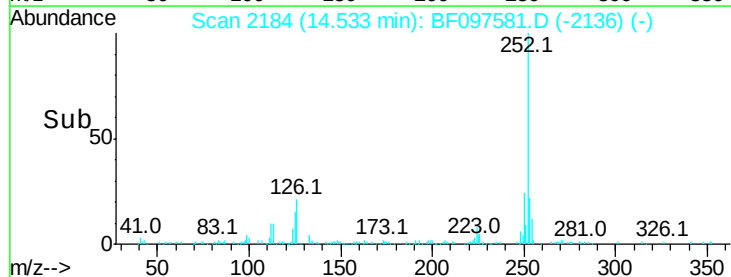
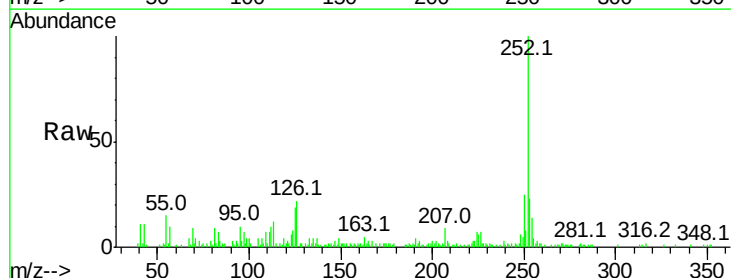
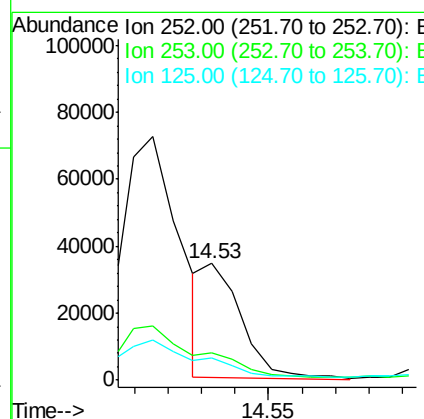
Manual Integrations
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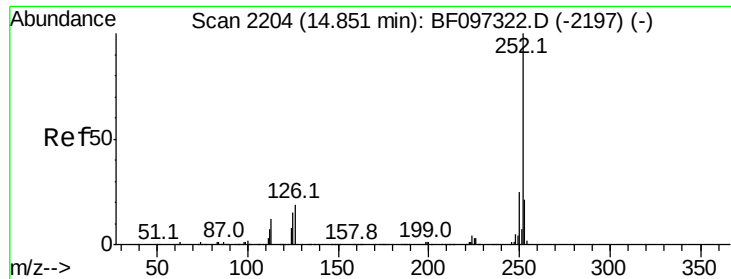
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#88
Benzo(k)fluoranthene
Concen: 2.825 ng m
RT: 14.53 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	18.5	13.1	19.7





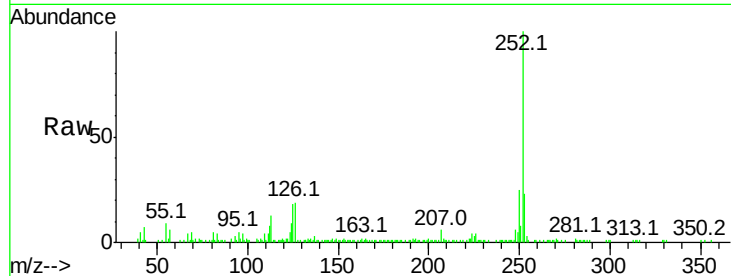
#89
Benzo(a)pyrene
Concen: 6.037 ng
RT: 14.81 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5A

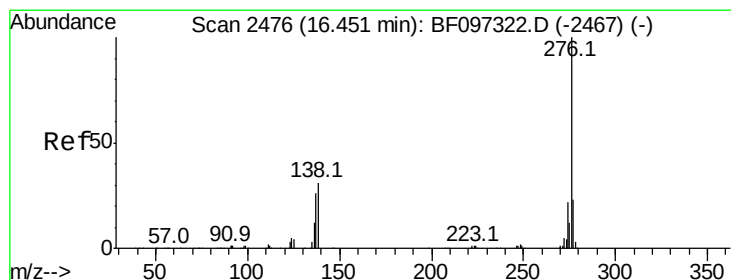
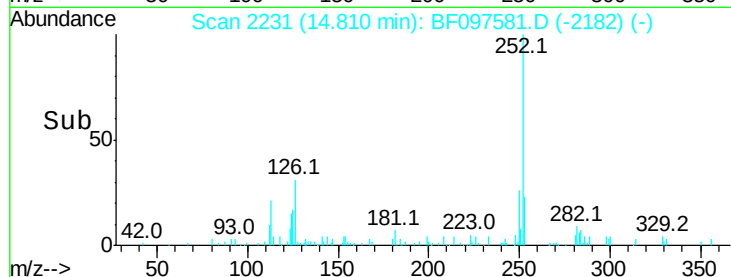
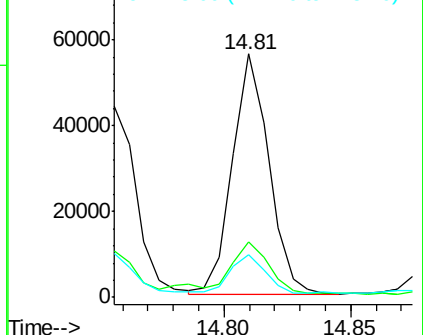
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	17.6	11.0	16.4

Manual Integrations
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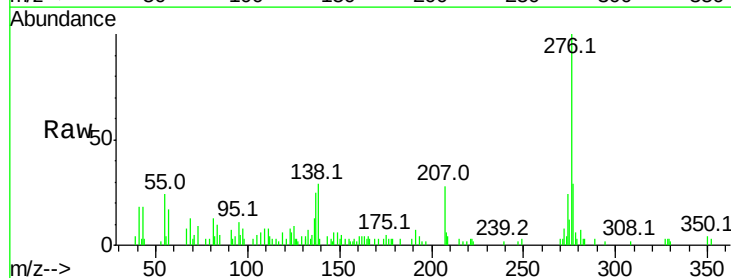


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.466 ng
RT: 16.40 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BF097581.D
Acq: 11 Aug 2017 2:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.6	18.6	28.0
138	29.2	25.4	38.0



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

