

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
 Data File : BF096777.D
 Acq On : 14 Jul 2017 15:54
 Operator : SJ/JU
 Sample : I4172-12 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-SSW

Manual Integrations
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Quant Time: Jul 14 18:26:10 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	103496	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	418729	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	171088	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	299477	20.00	ng	0.00
75) Chrysene-d12	13.77	240	211166	20.00	ng	0.00
86) Perylene-d12	15.16	264	186498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	207540	30.15	ng	0.00
7) Phenol-d6	6.27	99	255744	30.96	ng	-0.01
23) Nitrobenzene-d5	7.19	82	136205	20.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.45	330	24776	16.97	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	232768	21.50	ng	0.00
78) Terphenyl-d14	12.73	244	163985	13.47	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.39	163	36070	2.800	ng	98
70) Phenanthrene	11.17	178	182106	11.183	ng	97
74) Fluoranthene	12.35	202	212145	13.611	ng	99
77) Pyrene	12.57	202	200362	10.455	ng	99
80) Benzo(a)anthracene	13.76	228	68152	5.180	ng	99
82) Chrysene	13.79	228	67967	5.247	ng	96
85) Indeno(1,2,3-cd)pyrene	16.46	276	31979	5.891	ng	94
87) Benzo(b)fluoranthene	14.77	252	73240m	6.511	ng	
88) Benzo(k)fluoranthene	14.79	252	23762m	2.231	ng	
89) Benzo(a)pyrene	15.10	252	54649	5.297	ng	99
91) Benzo(g,h,i)perylene	16.84	276	30312	2.982	ng	98

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

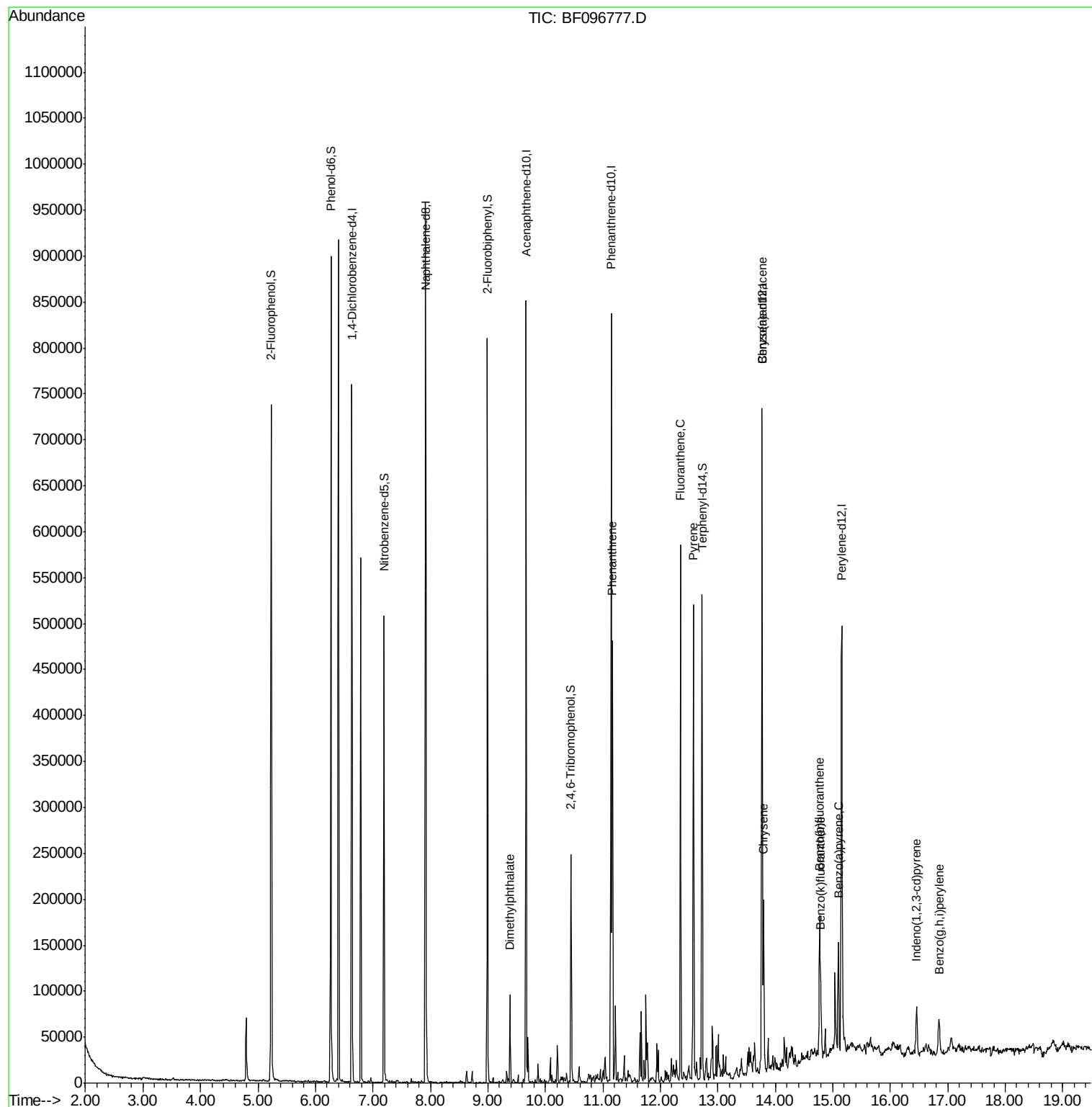
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096777.D
Acq On : 14 Jul 2017 15:54
Operator : SJ/JU
Sample : I4172-12 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

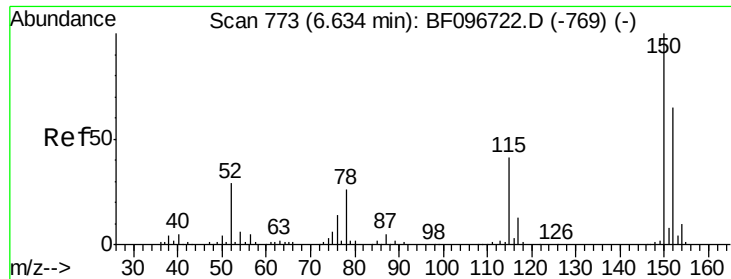
Instrument :
BNA_F
ClientSampleId :
E2-05-SSW

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Quant Time: Jul 14 18:26:10 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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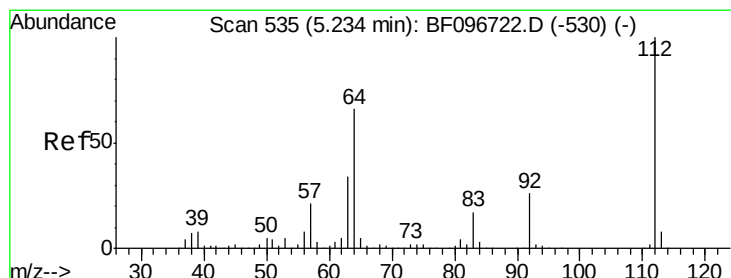
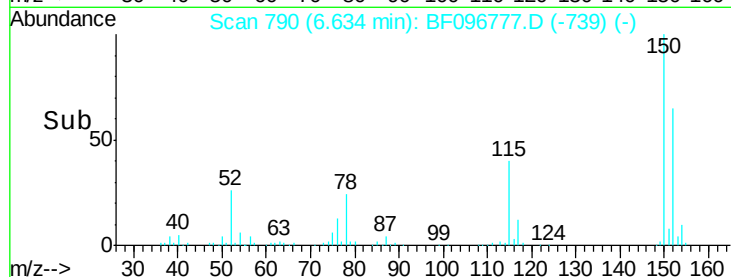
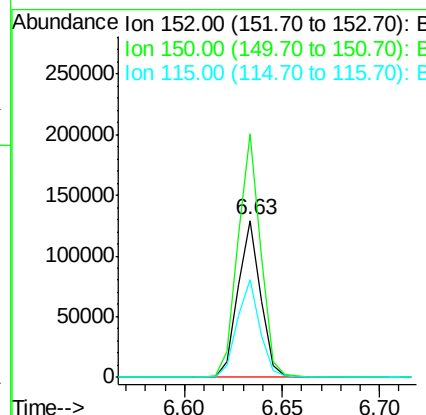
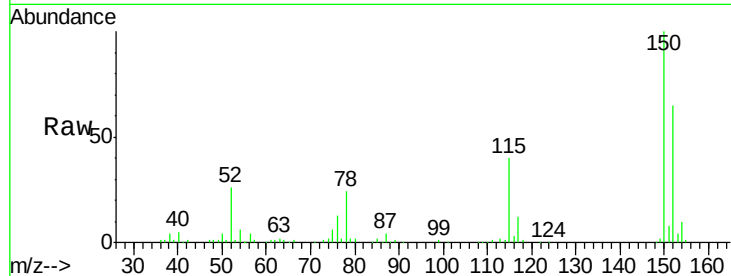
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.63 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampled :
 E2-05-SSW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	61.8	52.2	78.2

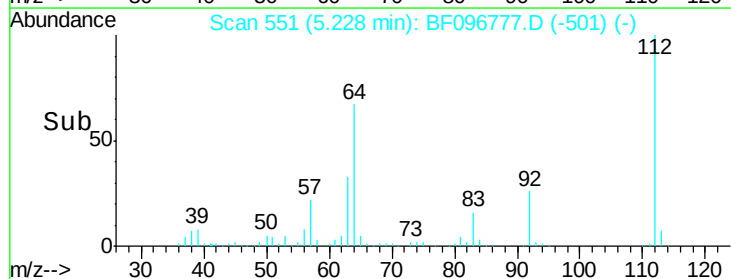
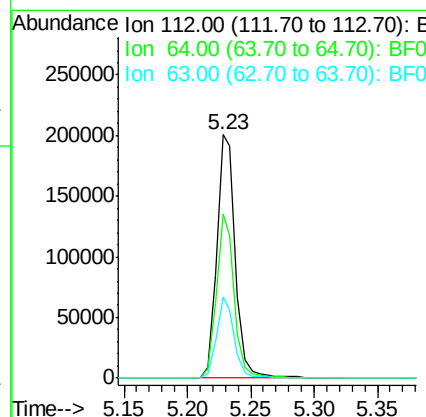
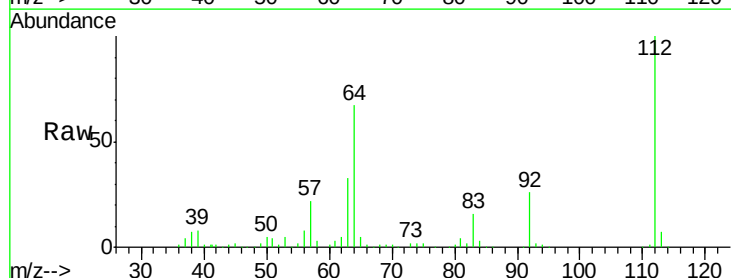
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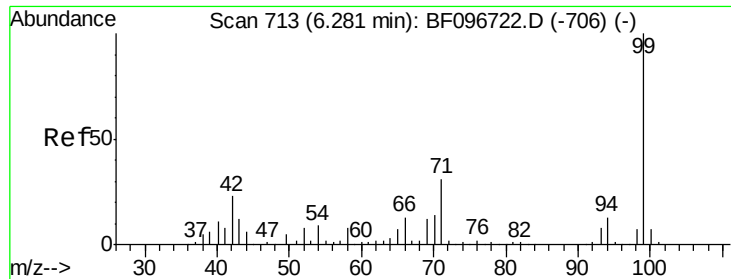
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#5
 2-Fluorophenol
 Concen: 30.151 ng
 RT: 5.23 min Scan# 551
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	46.0	69.0
63	33.0	23.4	35.0





#7

Phenol-d6

Concen: 30.961 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

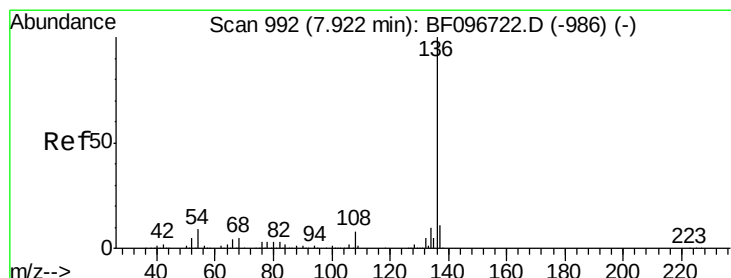
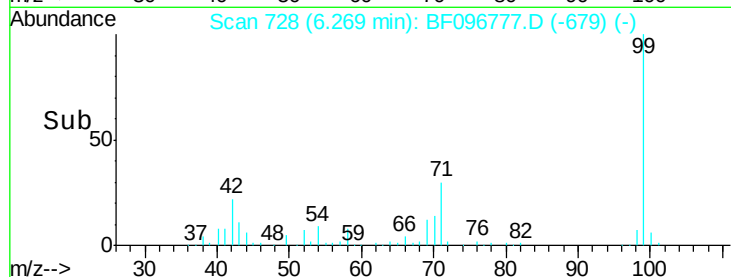
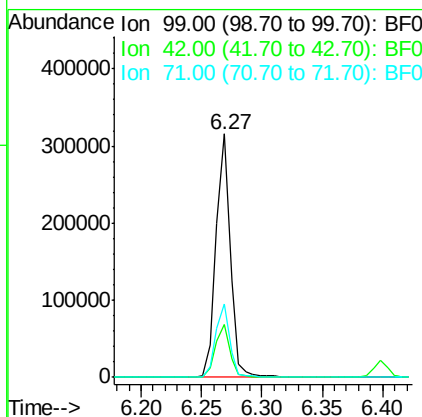
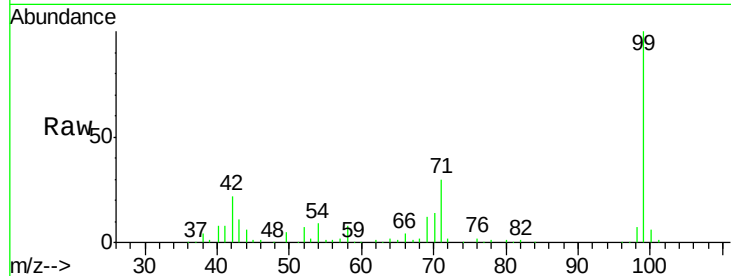
ClientSampleId :

E2-05-SSW

Tgt Ion:	99	Resp:	255744
Ion Ratio	Lower	Upper	
99	100		
42	21.6	13.5	20.3#
71	30.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

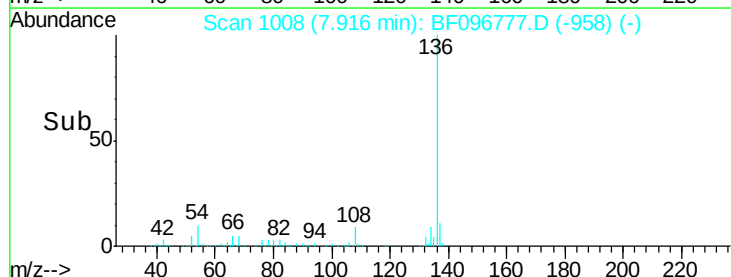
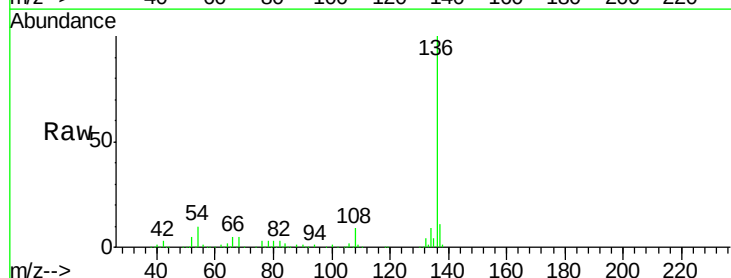
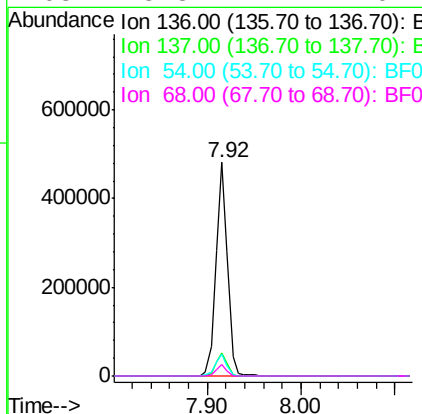
RT: 7.92 min Scan# 1008

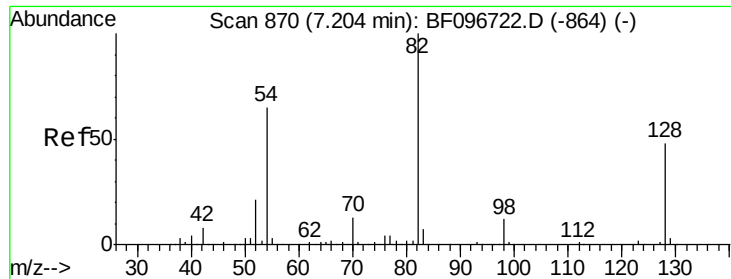
Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Tgt Ion:	136	Resp:	418729
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	10.4	4.9	7.3#
68	5.3	4.1	6.1





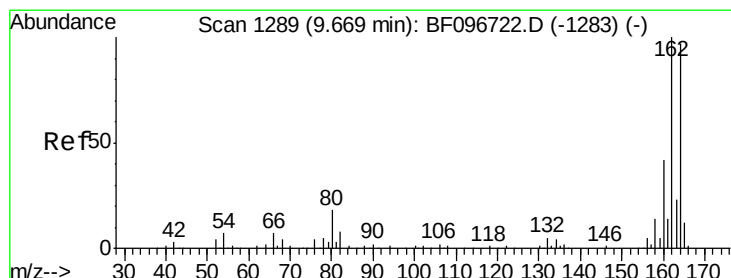
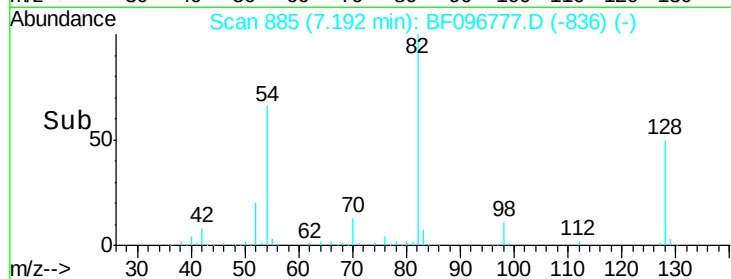
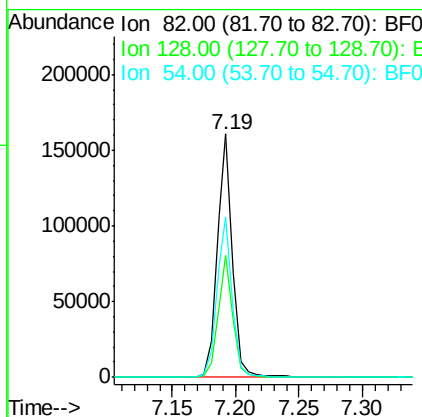
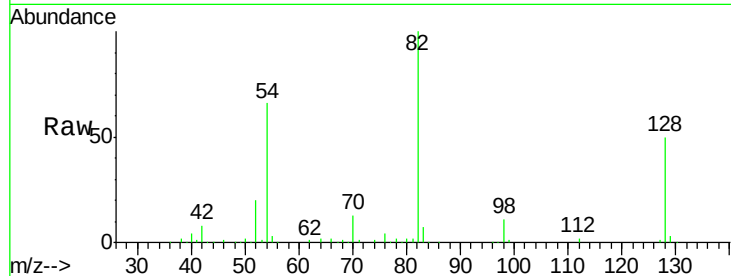
#23
 Nitrobenzene-d5
 Concen: 20.148 ng
 RT: 7.19 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	136205		
128	50.3	34.0	51.0	
54	65.7	42.2	63.2	

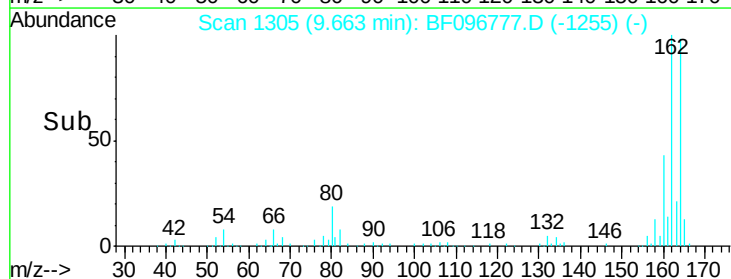
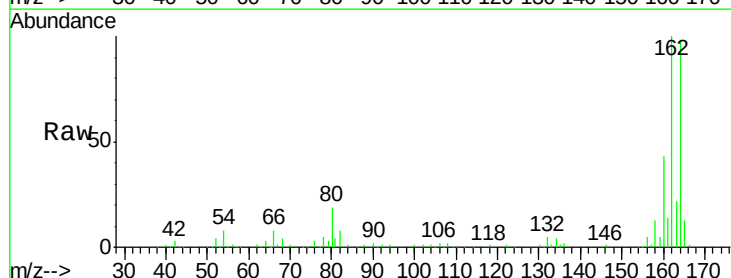
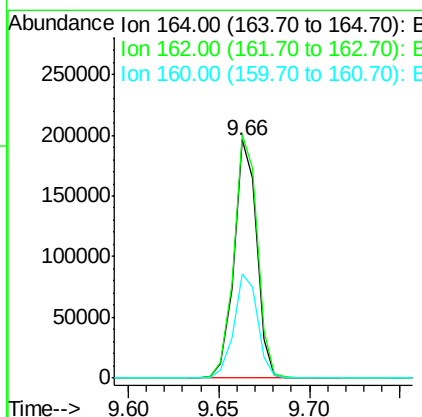
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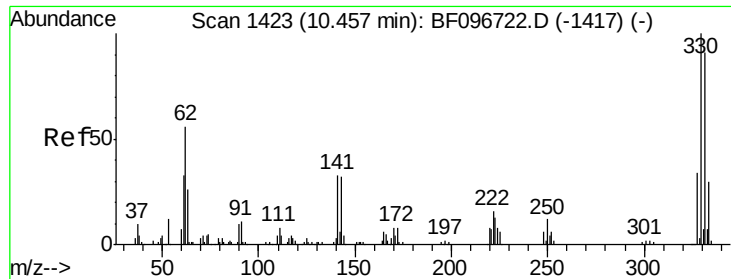
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.66 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	171088		
162	102.3	82.6	123.8	
160	43.6	36.2	54.2	





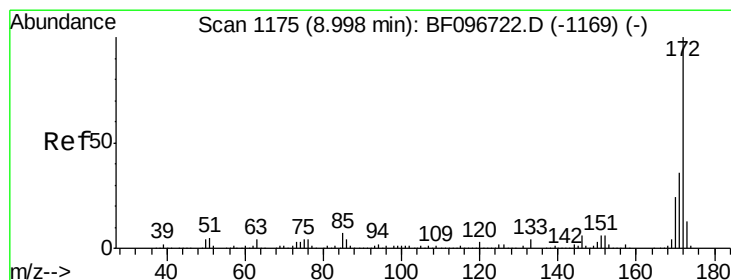
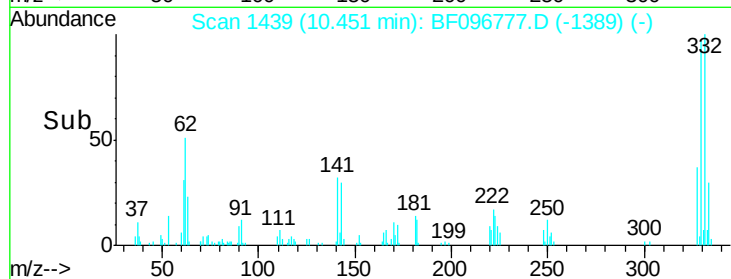
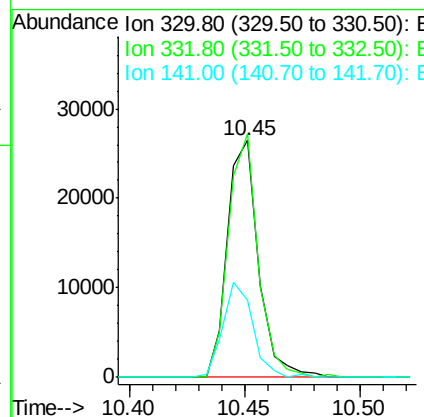
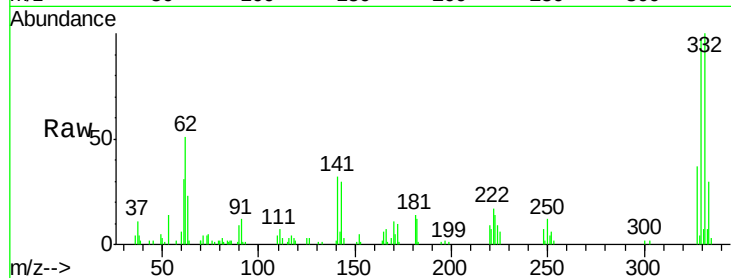
#41
 2,4,6-Tribromophenol
 Concen: 16.965 ng
 RT: 10.45 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	24776		
332	98.2	76.6	115.0	
141	38.8	31.4	47.2	

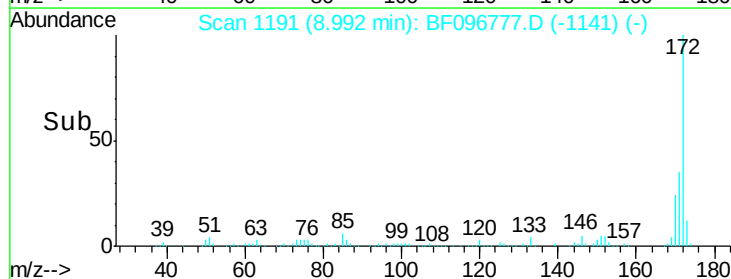
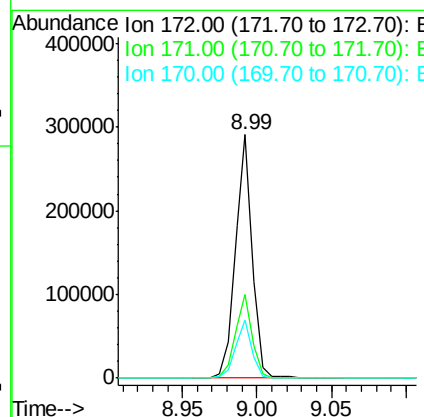
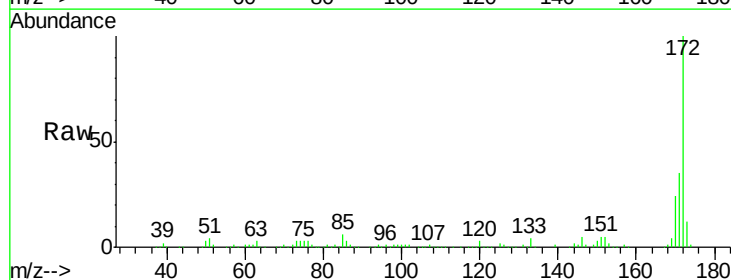
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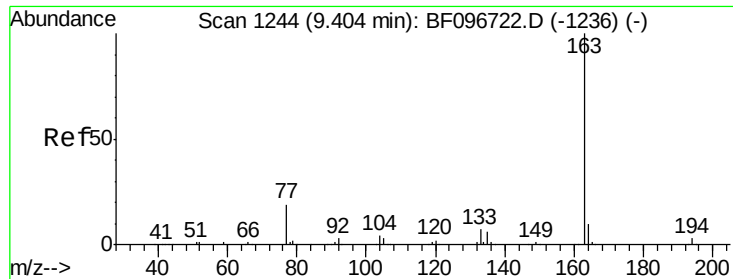
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#44
 2-Fluorobiphenyl
 Concen: 21.495 ng
 RT: 8.99 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	232768		
171	34.5	29.6	44.4	
170	23.9	19.8	29.8	





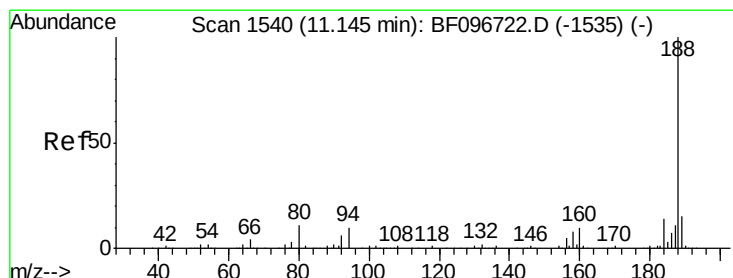
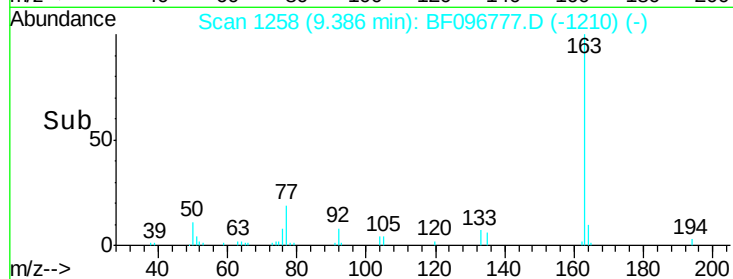
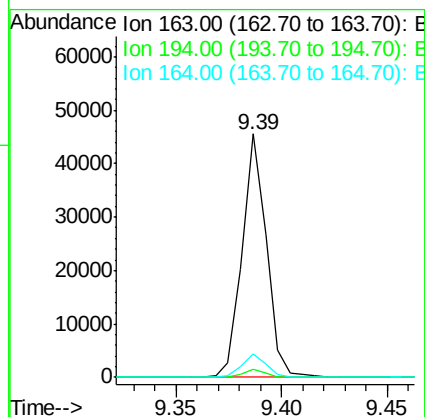
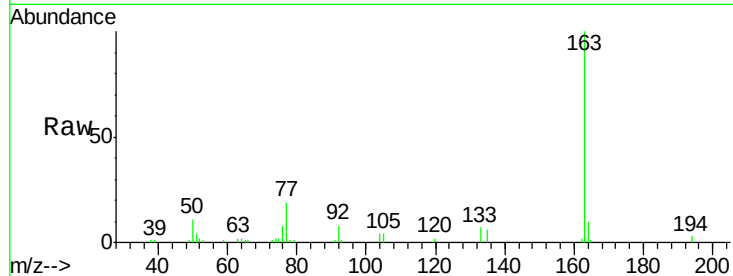
#49
Dimethylphthalate
Concen: 2.800 ng
RT: 9.39 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :
E2-05-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	36070		
194	3.1	2.6	4.0	
164	9.7	8.4	12.6	

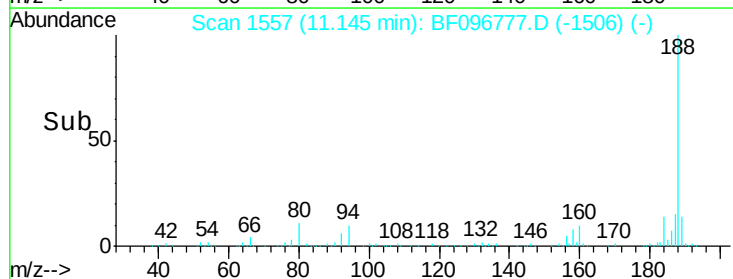
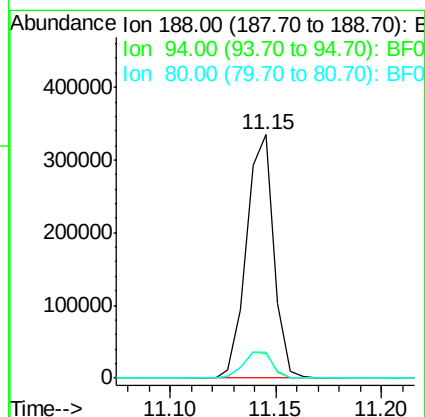
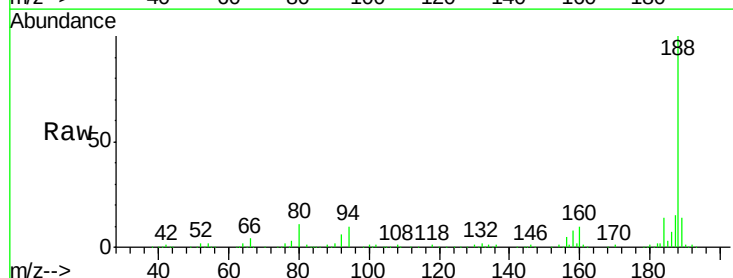
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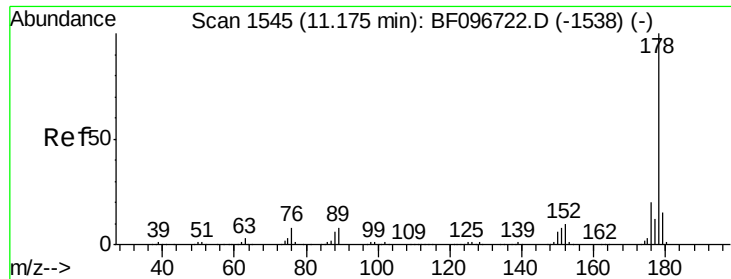
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	299477		
94	10.1	9.4	14.2	
80	10.6	10.2	15.2	





#70

Phenanthrene

Concen: 11.183 ng

RT: 11.17 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

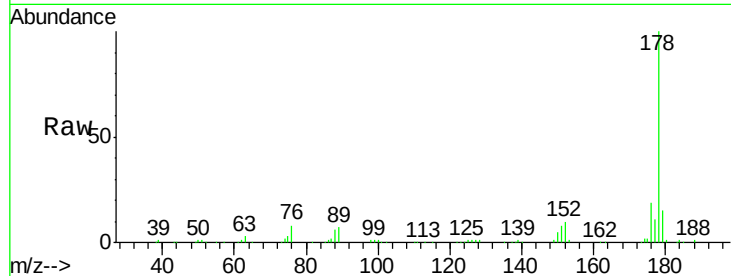
ClientSampled :

E2-05-SSW

Tgt Ion:	178	Resp:	182106
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.2	24.4
179	14.8	12.6	19.0

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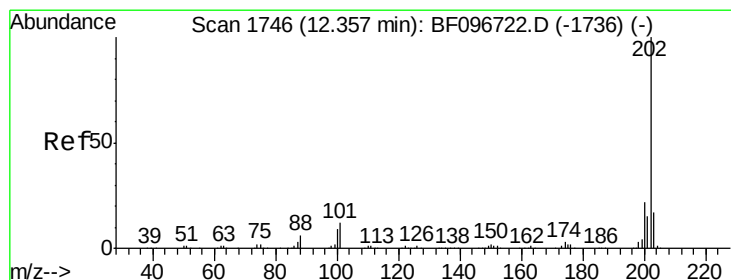
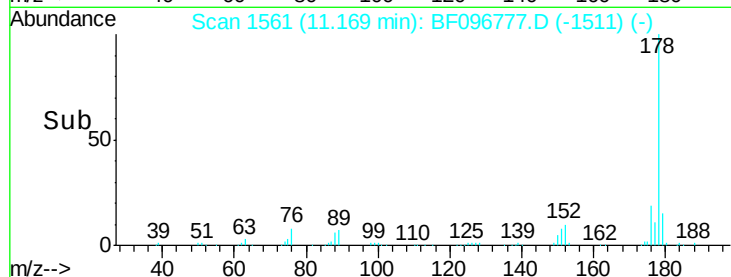
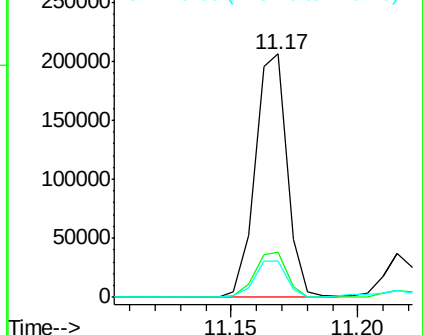
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 13.611 ng

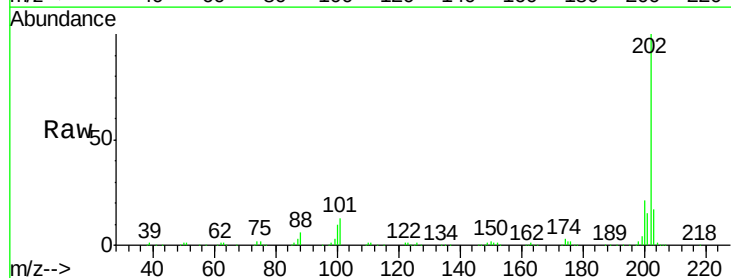
RT: 12.35 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

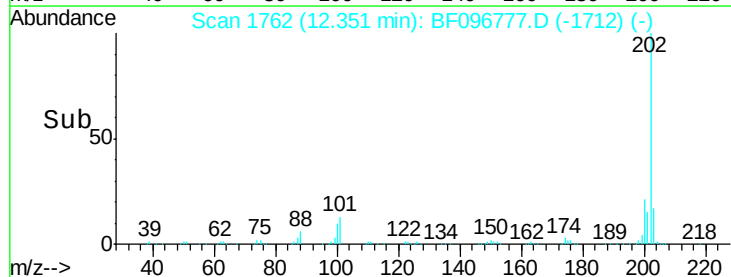
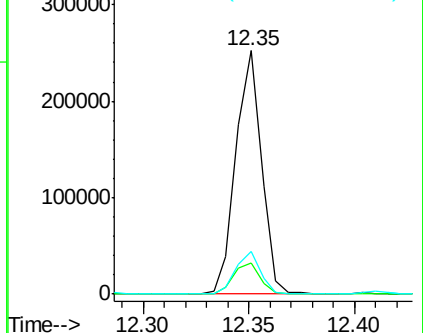
Tgt Ion:	202	Resp:	212145
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	33.2
203	17.4	0.0	38.1

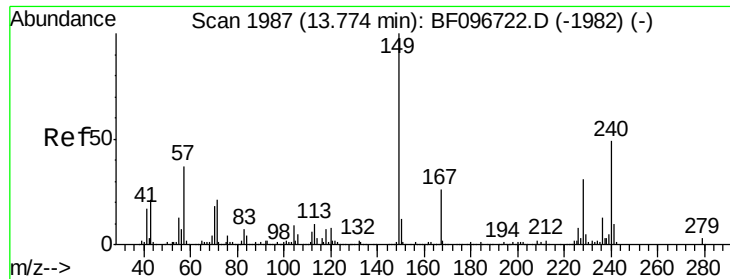


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

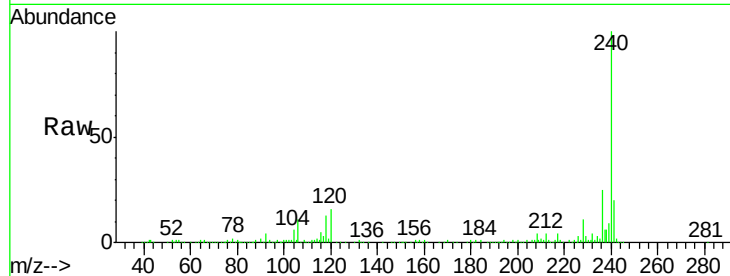
ClientSampleId :

E2-05-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	211166		
120	16.3	5.8	8.8#	
236	25.4	20.5	30.7	

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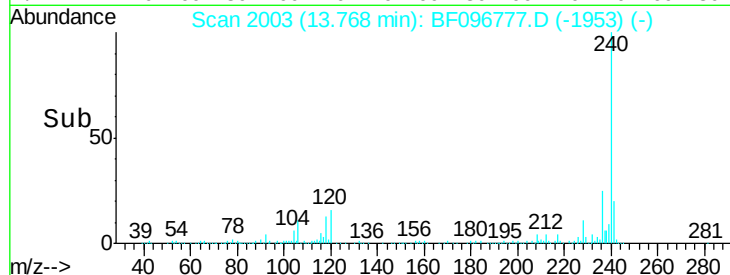


Abundance Ion 240.00 (239.70 to 240.70): E

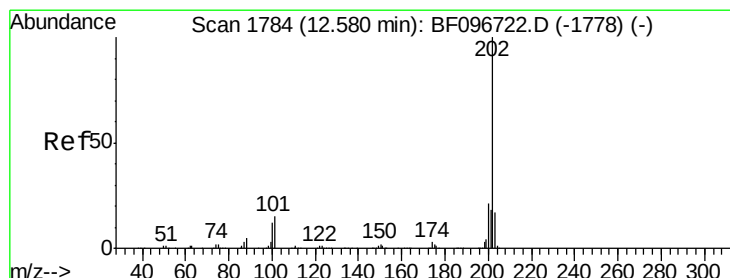
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#77

Pyrene

Concen: 10.455 ng

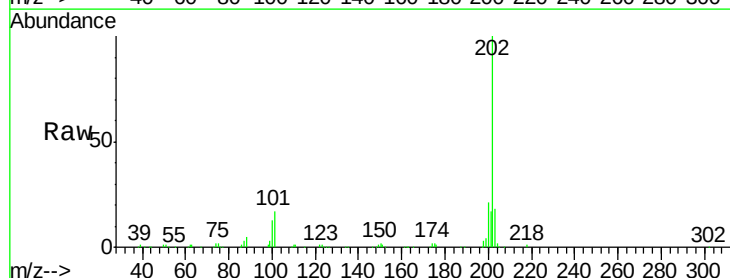
RT: 12.57 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	200362		
200	21.1	17.6	26.4	
203	17.7	14.4	21.6	

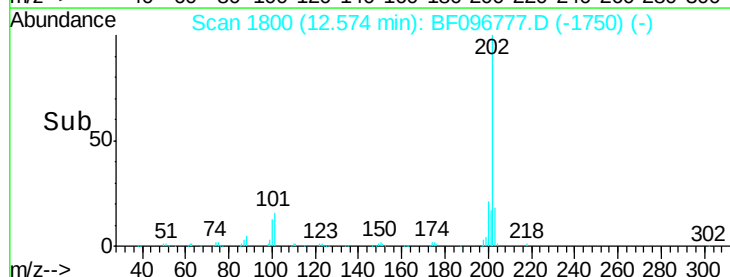


Abundance Ion 202.00 (201.70 to 202.70): E

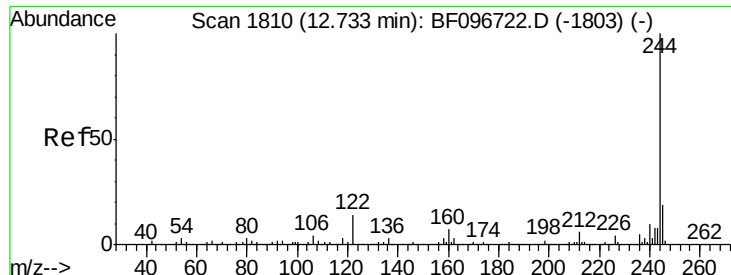
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



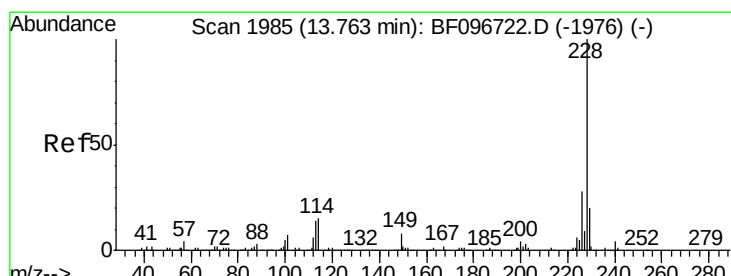
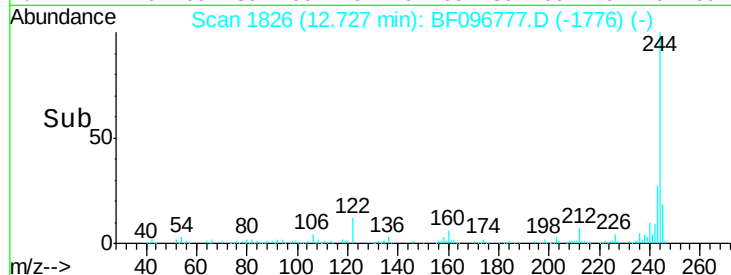
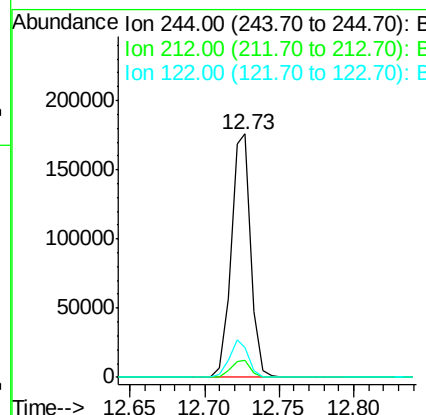
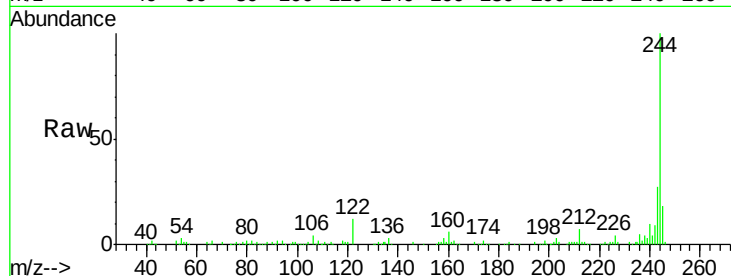
#78
 Terphenyl-d14
 Concen: 13.468 ng
 RT: 12.73 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	163985		
212	6.8	6.0	9.0	
122	12.1	10.3	15.5	

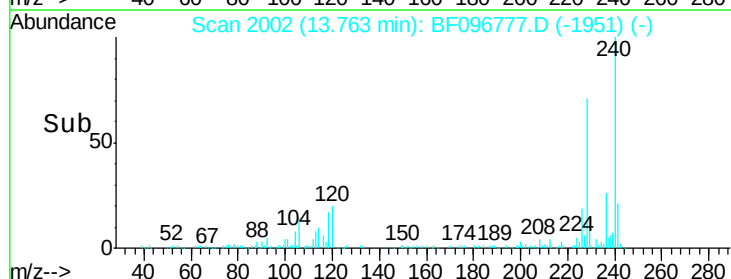
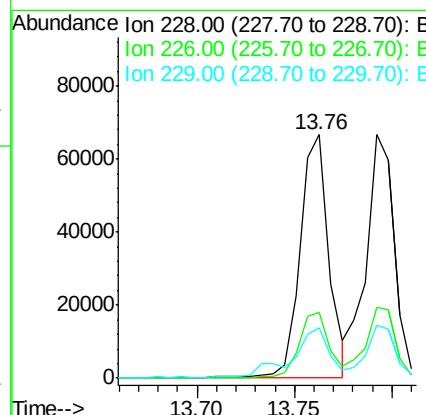
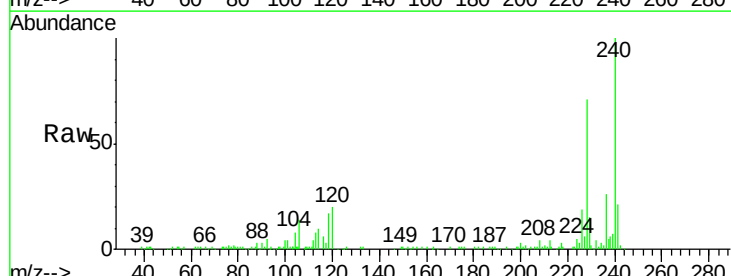
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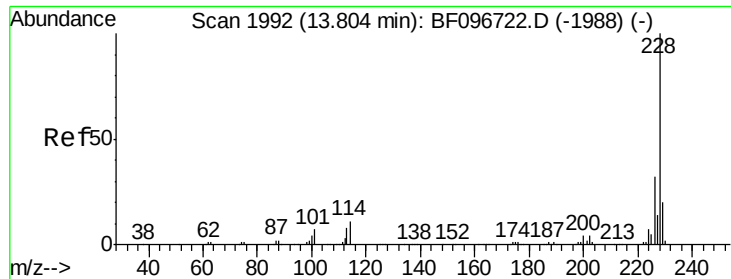
mohammad
 7/17/2017 3:56:29 PM



#80
 Benzo(a)anthracene
 Concen: 5.180 ng
 RT: 13.76 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	68152		
226	27.2	22.6	33.8	
229	20.7	16.3	24.5	





#82

Chrysene

Concen: 5.247 ng

RT: 13.79 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

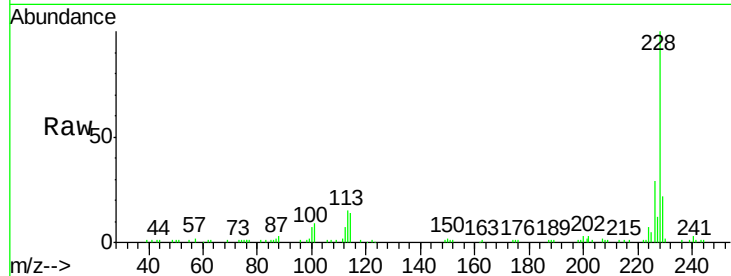
ClientSampleId :

E2-05-SSW

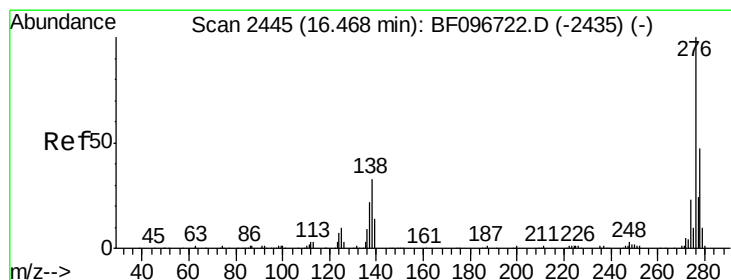
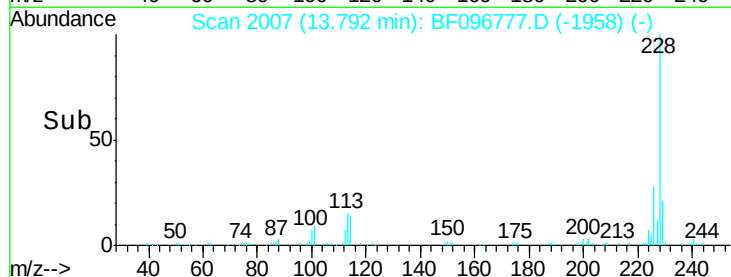
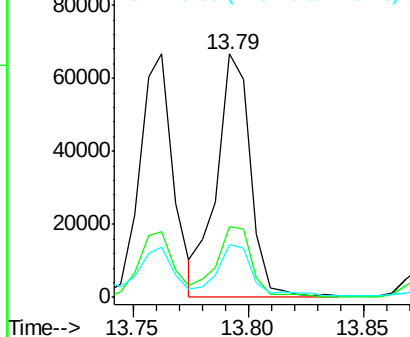
Tgt Ion:	228	Resp:	67967
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.9	37.3
229	21.9	15.8	23.6

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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: 5.891 ng

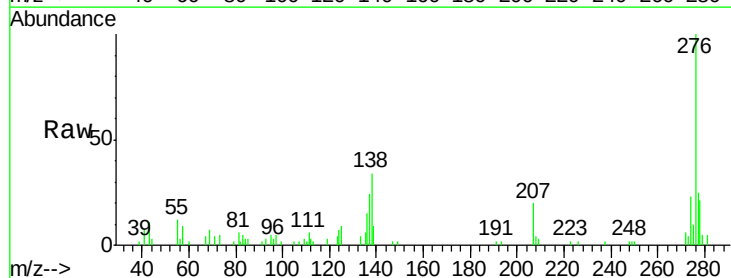
RT: 16.46 min Scan# 2460

Delta R.T. -0.01 min

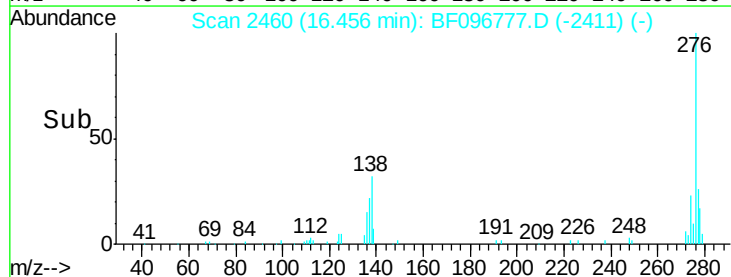
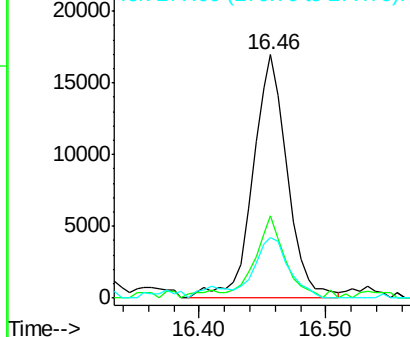
Lab File: BF096777.D

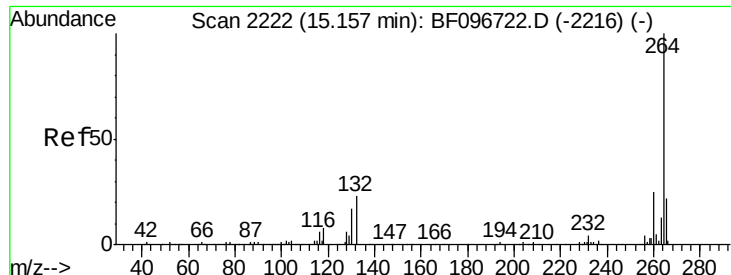
Acq: 14 Jul 2017 15:54

Tgt Ion:	276	Resp:	31979
Ion Ratio	Lower	Upper	
276	100		
138	29.5	27.8	41.6
277	24.7	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





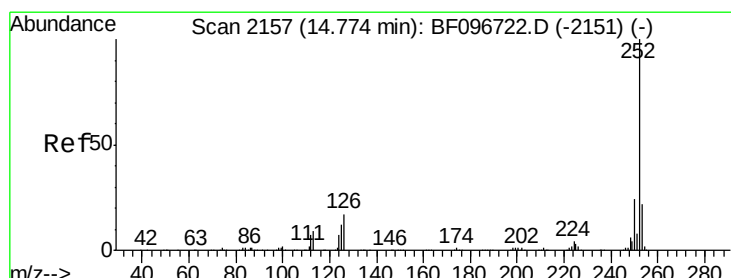
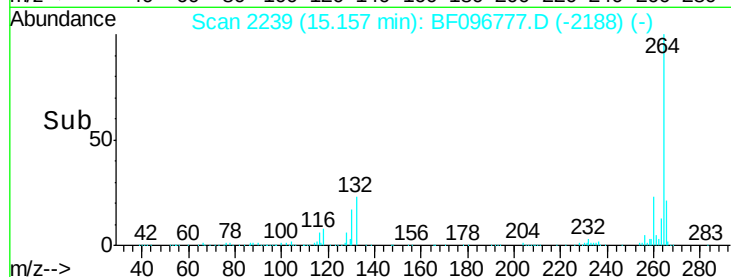
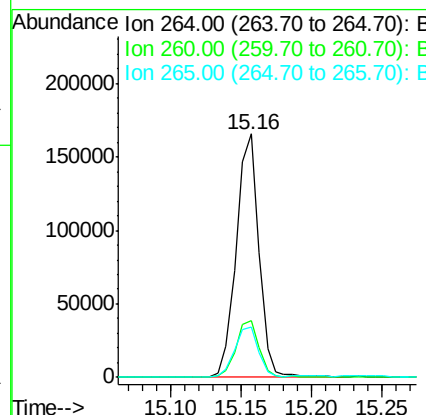
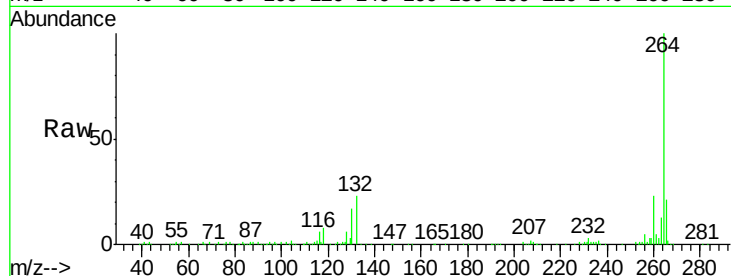
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :
E2-05-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	186498		
260	23.5	19.5	29.3	
265	20.6	17.2	25.8	

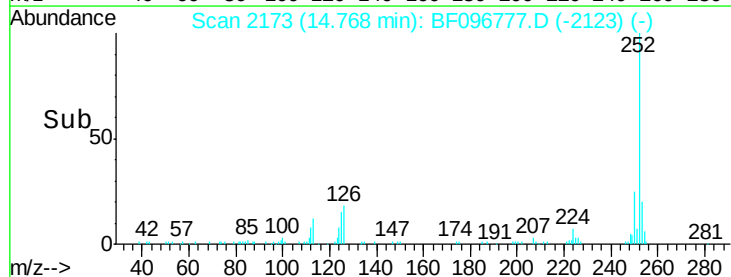
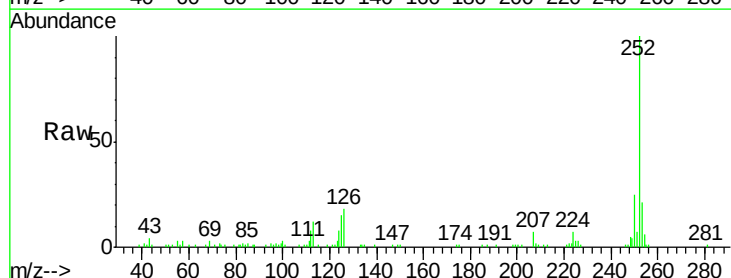
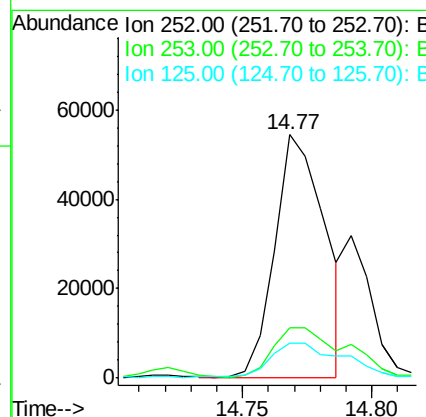
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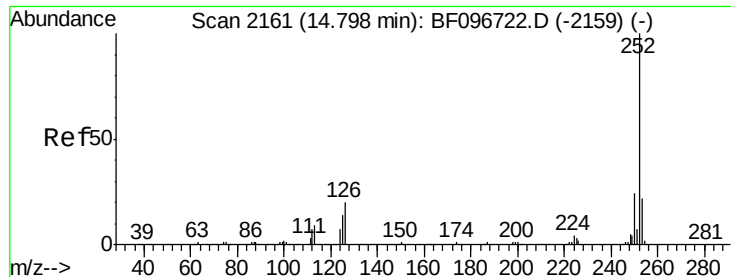
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#87
Benzo(b)fluoranthene
Concen: 6.511 ng m
RT: 14.77 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	73240		
253	20.9	18.1	27.1	
125	14.5	9.8	14.8	





#88

Benzo(k)fluoranthene

Concen: 2.231 ng m

RT: 14.79 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

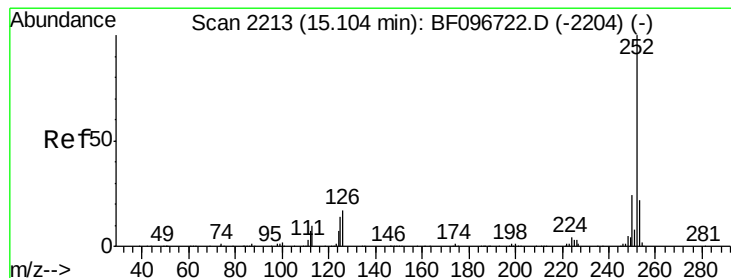
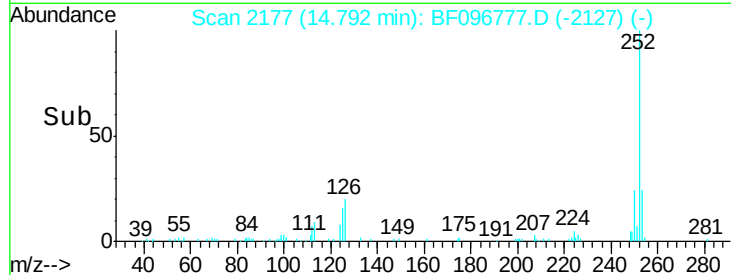
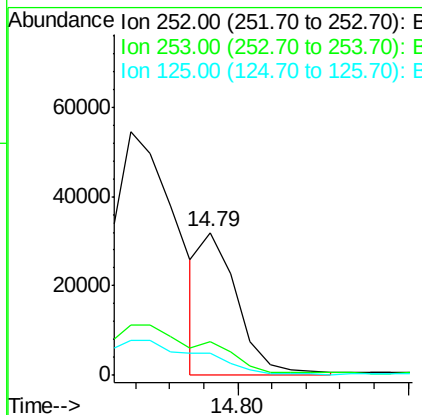
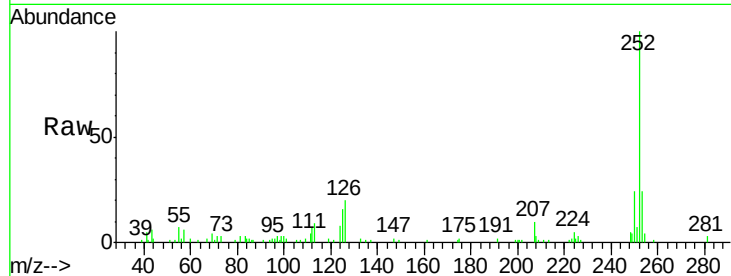
ClientSampleId :

E2-05-SSW

Tgt Ion:	252	Resp:	23762
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	15.9	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 5.297 ng

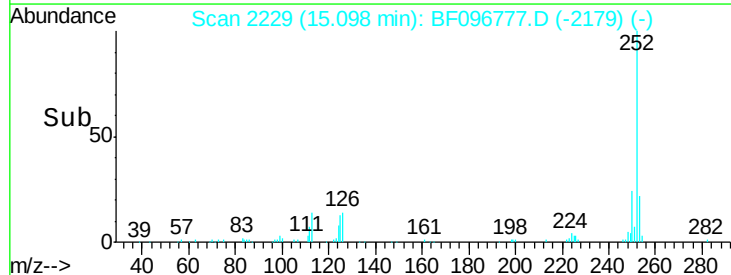
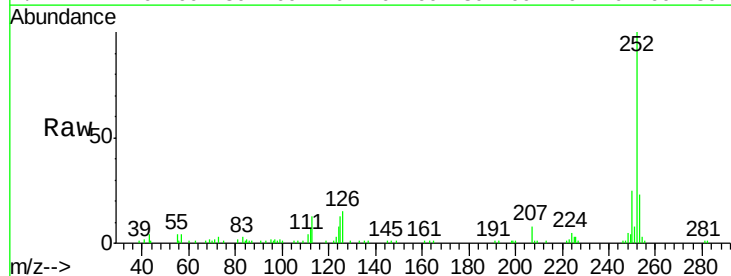
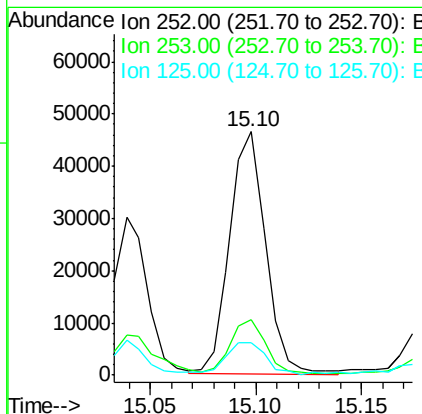
RT: 15.10 min Scan# 2229

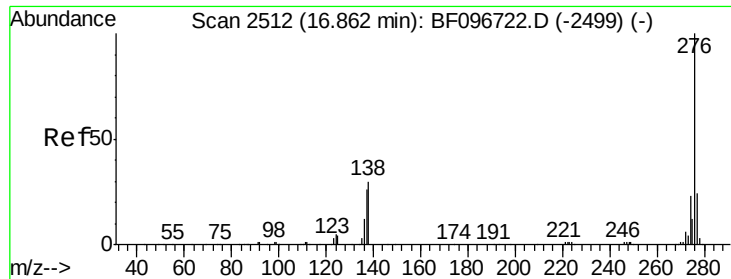
Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Tgt Ion:	252	Resp:	54649
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	13.5	11.0	16.4





#91
 Benzo(g,h,i)perylene
 Concen: 2.982 ng
 RT: 16.84 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-SSW

Tgt Ion:	276	Resp:	30312
Ion Ratio	Lower	Upper	
276	100		
277	22.4	18.6	28.0
138	33.1	25.4	38.0

Manual Integrations
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