

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071217\
 Data File : BF096716.D
 Acq On : 13 Jul 2017 3:32
 Operator : SJ/JU
 Sample : I4130-17
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS3-ESW

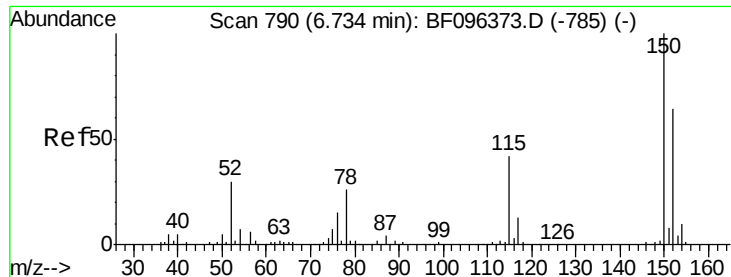
Manual Integrations
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Quant Time: Jul 13 04:16:21 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	106811	20.00	ng	-0.04
21) Naphthalene-d8	7.95	136	447269	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	182079	20.00	ng	-0.04
63) Phenanthrene-d10	11.17	188	262671	20.00	ng	-0.04
75) Chrysene-d12	13.80	240	182699	20.00	ng	-0.04
86) Perylene-d12	15.20	264	173019	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	604885	83.59	ng	-0.04
7) Phenol-d6	6.31	99	747371	84.01	ng	-0.04
23) Nitrobenzene-d5	7.23	82	432557	58.11	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	128930	90.65	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	764152	71.76	ng	-0.04
78) Terphenyl-d14	12.76	244	433624	50.72	ng	-0.04
Target Compounds						Qvalue
49) Dimethylphthalate	9.42	163	172085	12.660	ng	100
70) Phenanthrene	11.20	178	232930	16.404	ng	97
71) Anthracene	11.25	178	37954	2.623	ng	97
74) Fluoranthene	12.39	202	339530	24.389	ng	97
77) Pyrene	12.61	202	309174	21.083	ng	100
80) Benzo(a)anthracene	13.79	228	145169	13.721	ng	98
82) Chrysene	13.83	228	133347	12.036	ng	98
85) Indeno(1,2,3-cd)pyrene	16.52	276	65980	7.545	ng	97
87) Benzo(b)fluoranthene	14.81	252	188396m	17.378	ng	
88) Benzo(k)fluoranthene	14.83	252	50996m	5.259	ng	
89) Benzo(a)pyrene	15.14	252	122095	12.614	ng	# 96
90) Dibenzo(a,h)anthracene	16.53	278	18731	2.460	ng	96
91) Benzo(g,h,i)perylene	16.92	276	57519	7.290	ng	97

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



#1

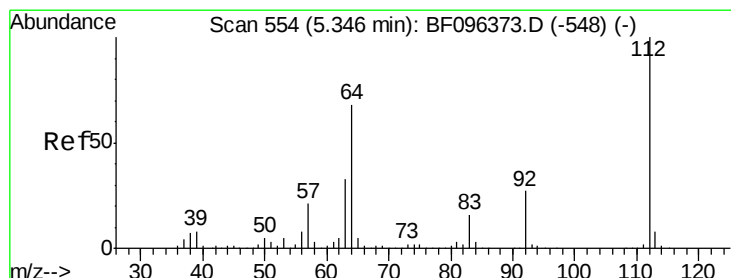
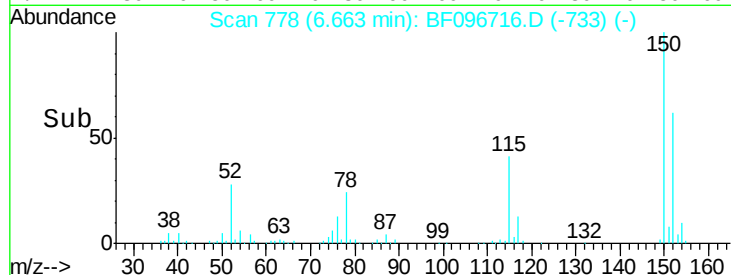
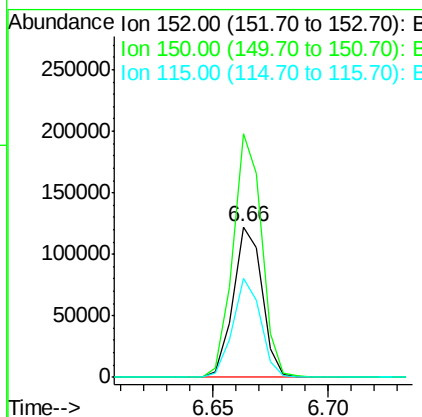
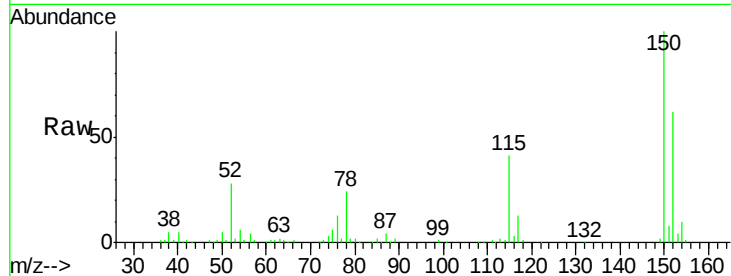
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

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BNA_F
ClientSampleId :
E2-HS3-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	106811		
150	161.6	126.2	189.2	
115	65.5	52.2	78.2	

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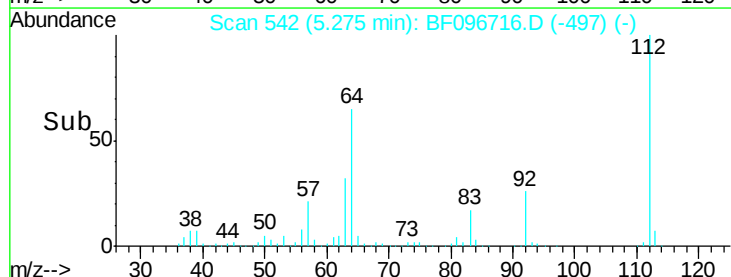
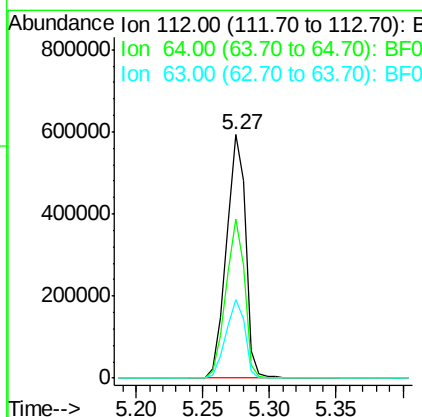
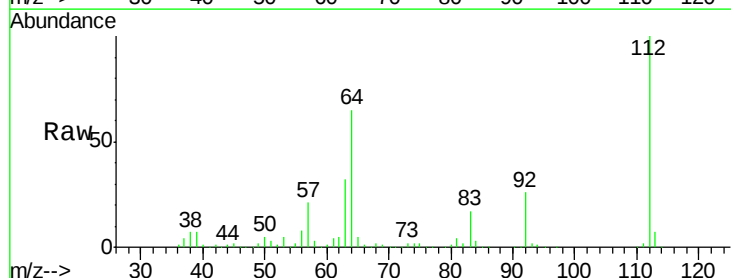
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#5

2-Fluorophenol
Concen: 83.586 ng
RT: 5.27 min Scan# 542
Delta R.T. -0.04 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	604885		
64	65.2	46.0	69.0	
63	32.1	23.4	35.0	





#7

Phenol-d6

Concen: 84.007 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.04 min

Lab File: BF096716.D

Acq: 13 Jul 2017 3:32

Instrument :

BNA_F

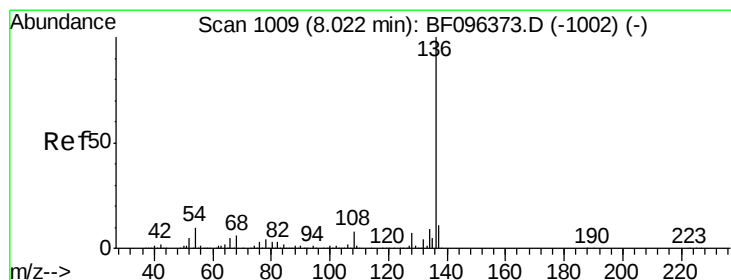
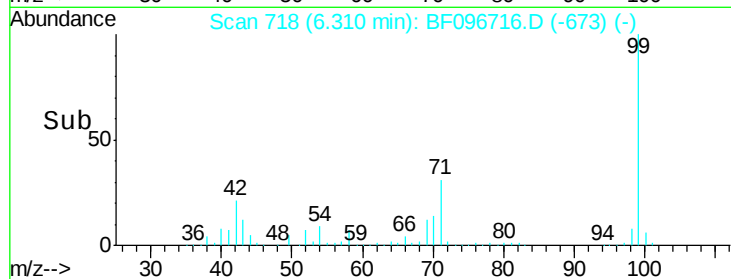
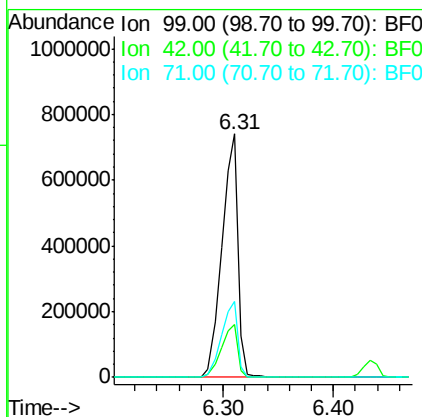
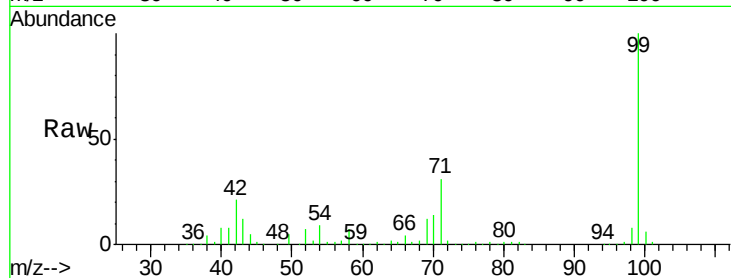
ClientSampleId :

E2-HS3-ESW

Tgt Ion:	99	Resp:	747371
Ion Ratio	Lower	Upper	
99	100		
42	21.5	13.5	20.3#
71	30.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

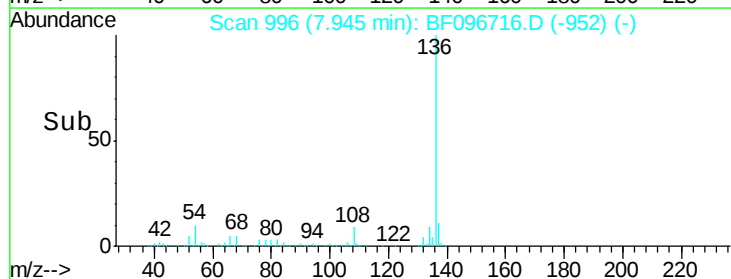
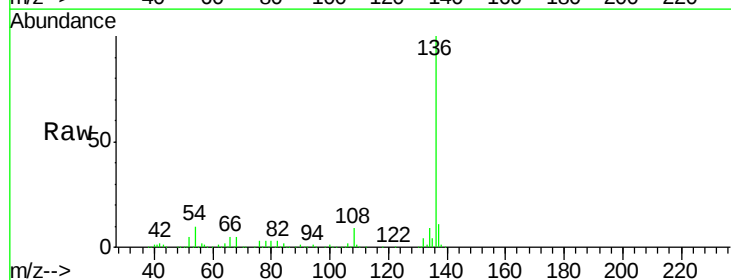
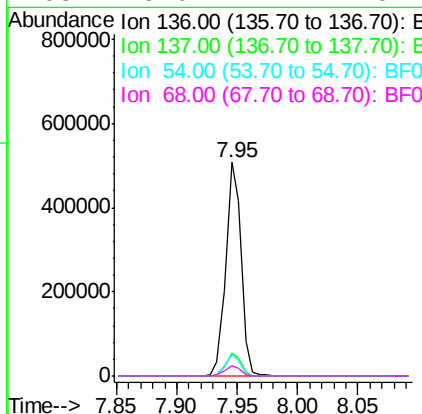
RT: 7.95 min Scan# 996

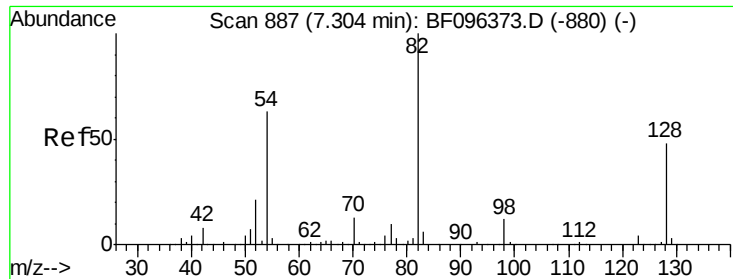
Delta R.T. -0.04 min

Lab File: BF096716.D

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Tgt Ion:	136	Resp:	447269
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	10.2	4.9	7.3#
68	5.0	4.1	6.1





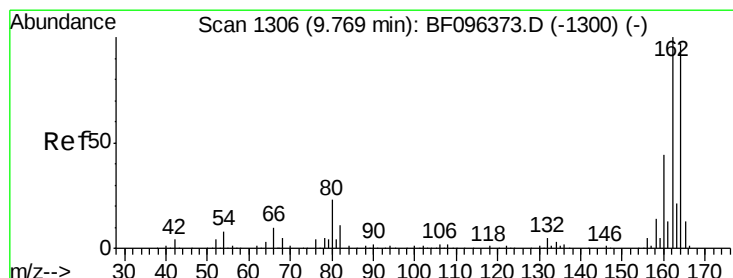
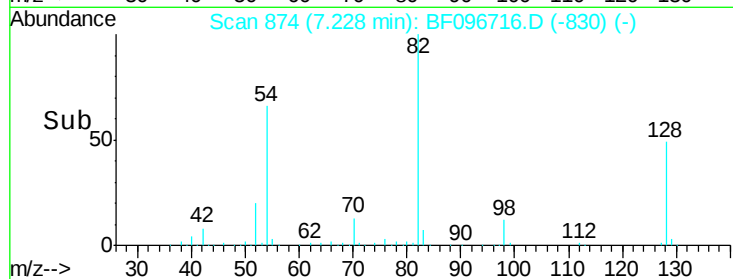
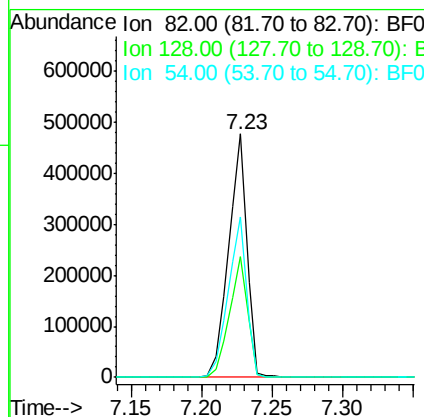
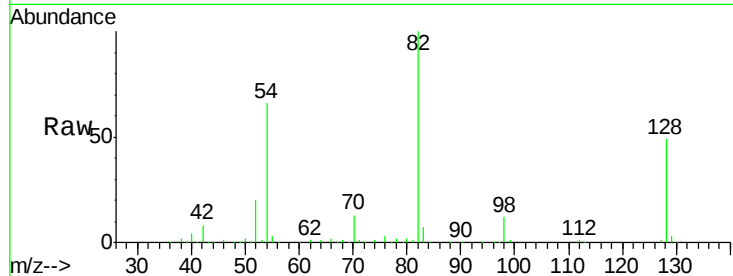
#23
Nitrobenzene-d5
Concen: 58.114 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.04 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Instrument :
BNA_F
ClientSampleId :
E2-HS3-ESW

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.0	51.0
54	65.7	42.2	63.2

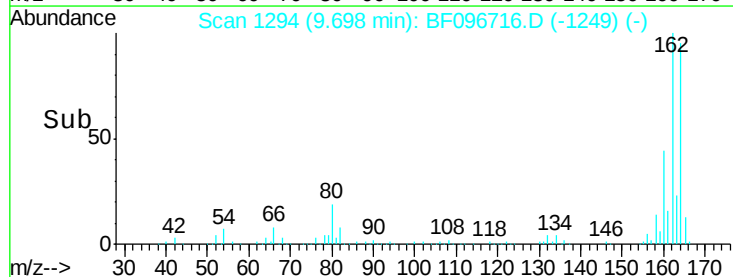
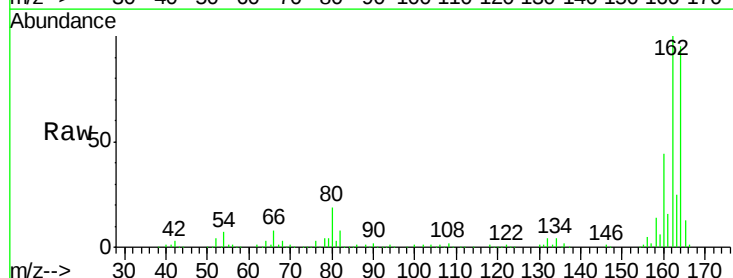
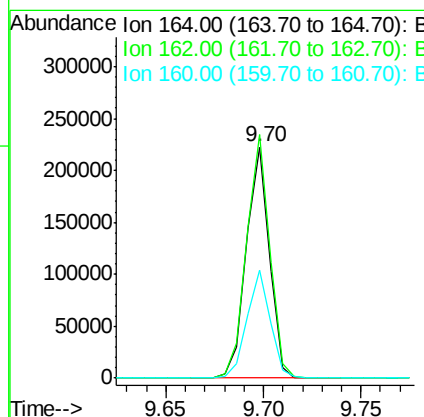
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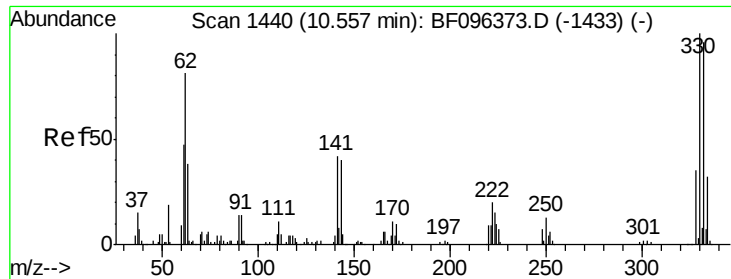
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.04 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.6	123.8
160	46.5	36.2	54.2





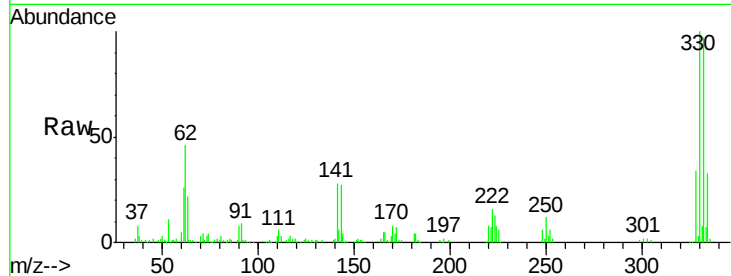
#41
 2,4,6-Tribromophenol
 Concen: 90.651 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096716.D
 Acq: 13 Jul 2017 3:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS3-ESW

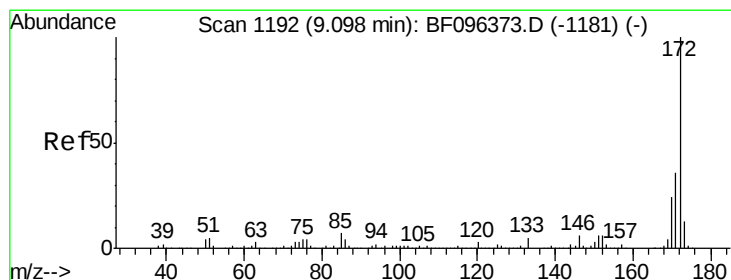
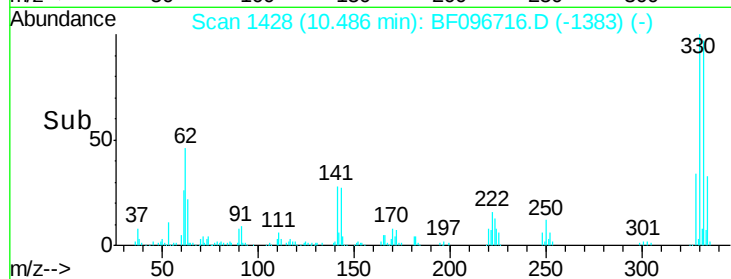
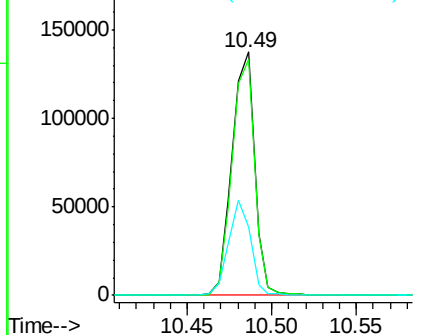
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	128930		
332	96.7	76.6	115.0	
141	37.6	31.4	47.2	

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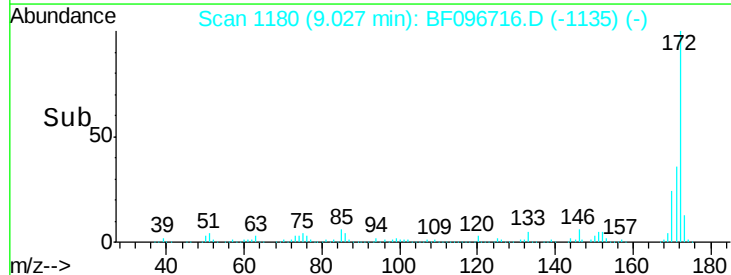
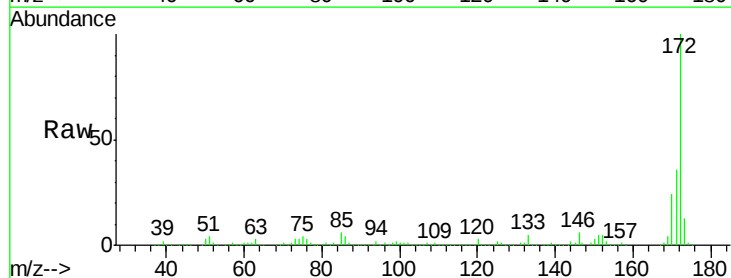
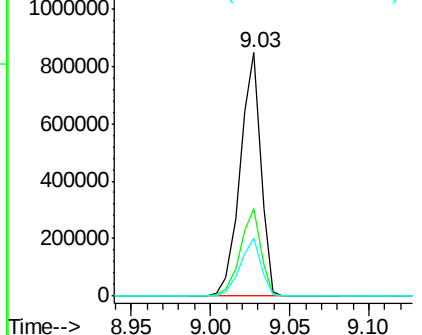
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

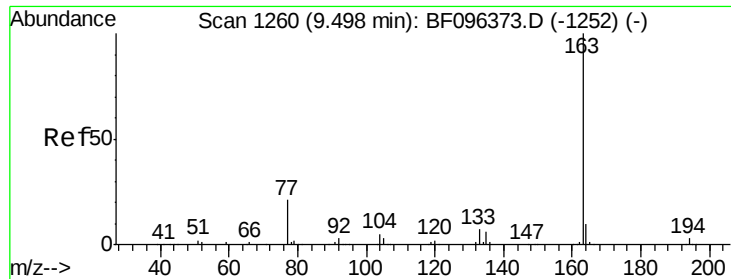


#44
 2-Fluorobiphenyl
 Concen: 71.756 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF096716.D
 Acq: 13 Jul 2017 3:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	764152		
171	35.7	29.6	44.4	
170	24.1	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





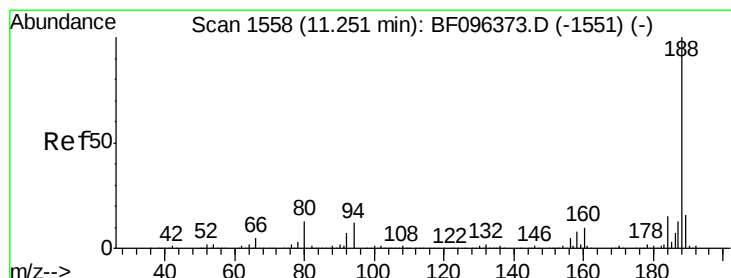
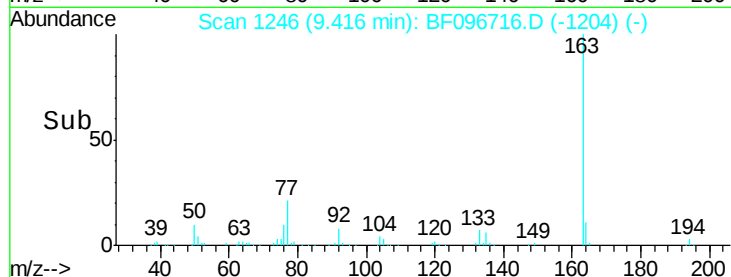
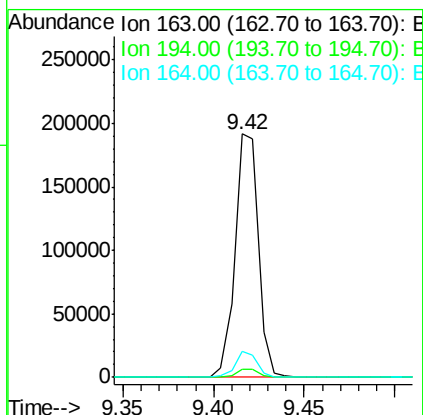
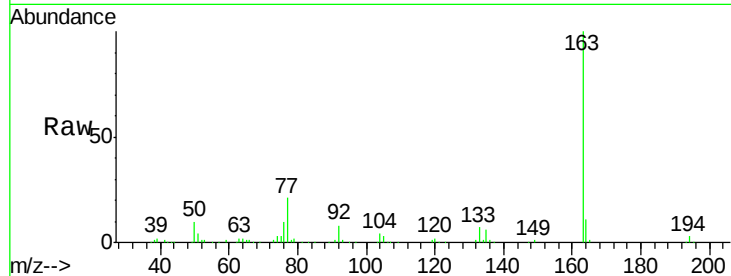
#49
Dimethylphthalate
Concen: 12.660 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.05 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Instrument :
BNA_F
ClientSampleId :
E2-HS3-ESW

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	2.6	4.0
164	10.6	8.4	12.6

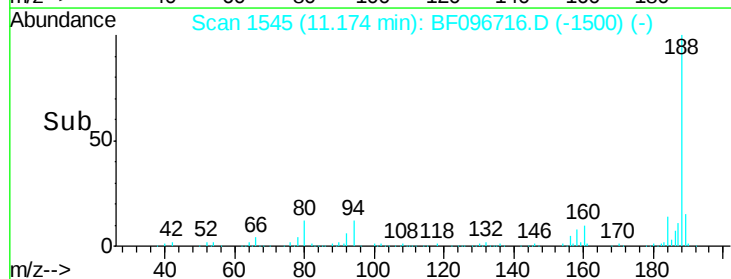
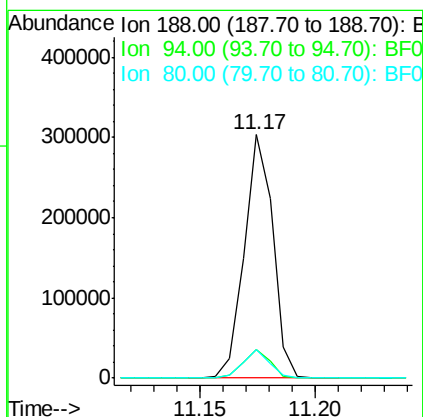
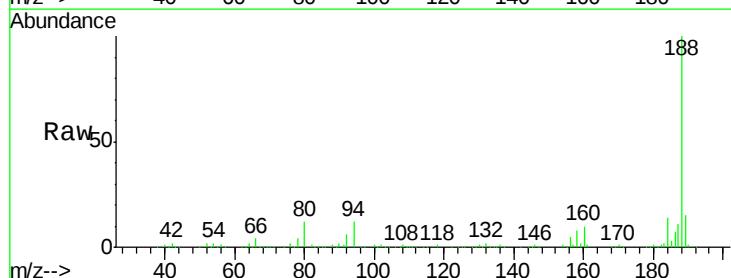
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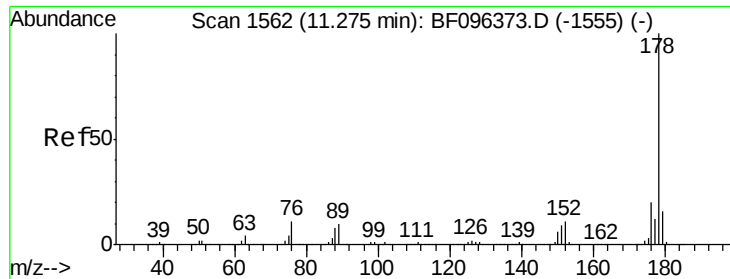
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.04 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.5	9.4	14.2
80	11.7	10.2	15.2





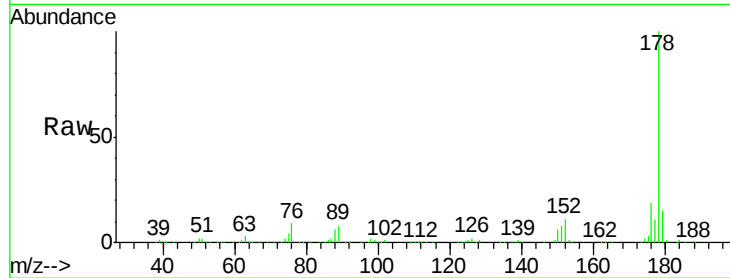
#70
Phenanthrene
Concen: 16.404 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.04 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Instrument :
BNA_F
ClientSampleId :
E2-HS3-ESW

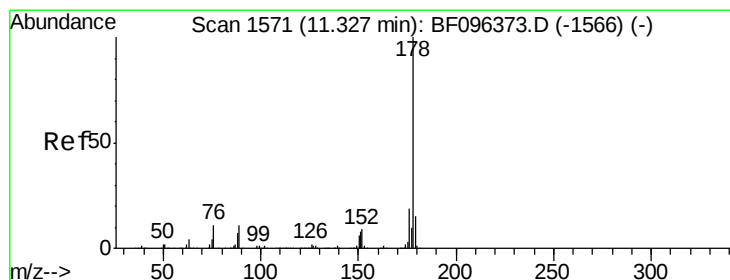
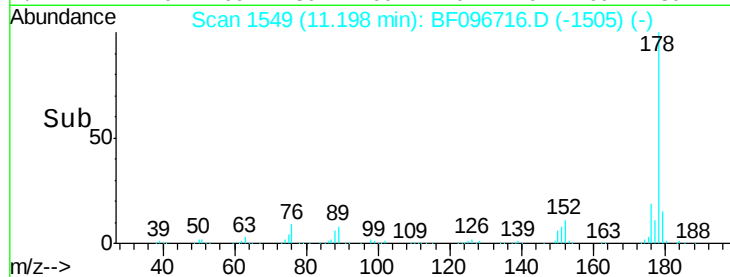
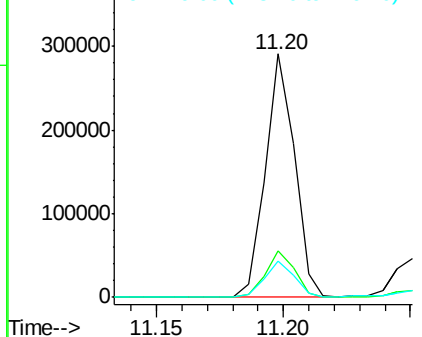
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	14.7	12.6	19.0

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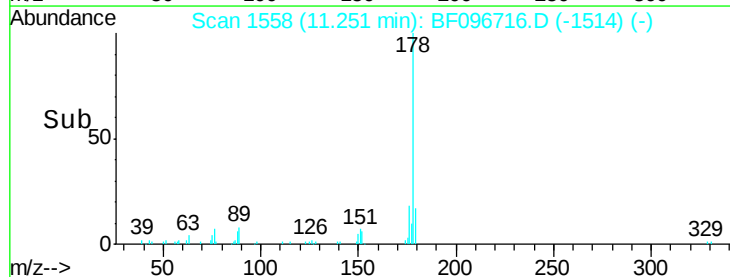
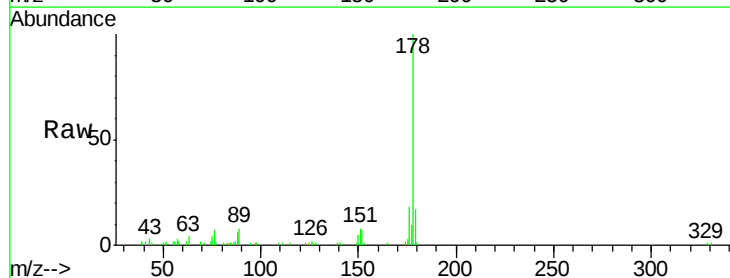
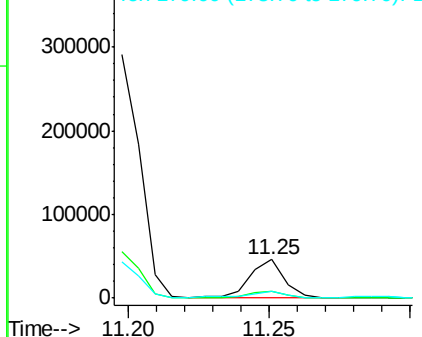
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

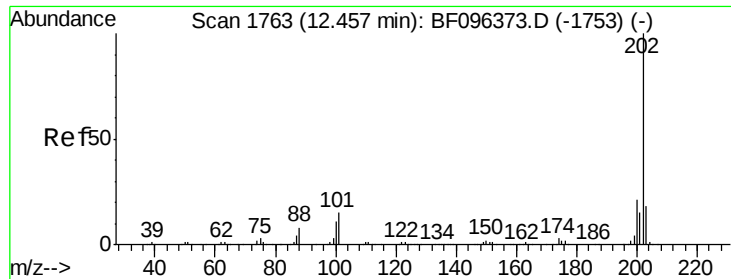


#71
Anthracene
Concen: 2.623 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	16.8	12.7	19.1

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: 24.389 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.04 min

Lab File: BF096716.D

Acq: 13 Jul 2017 3:32

Instrument :

BNA_F

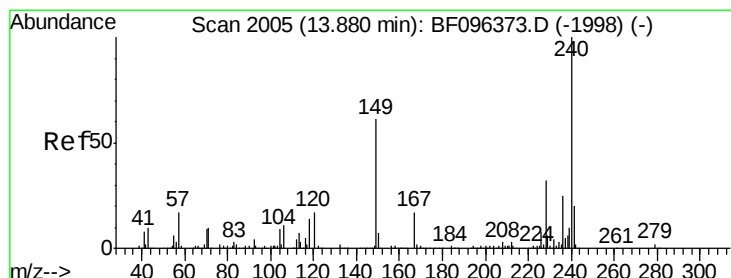
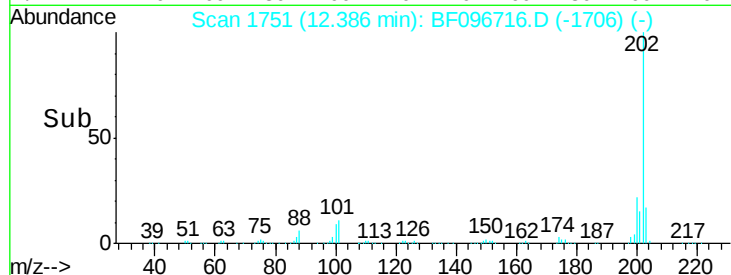
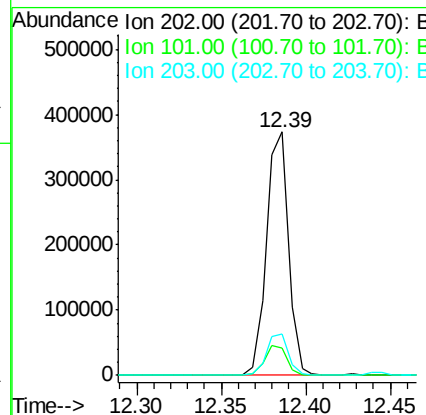
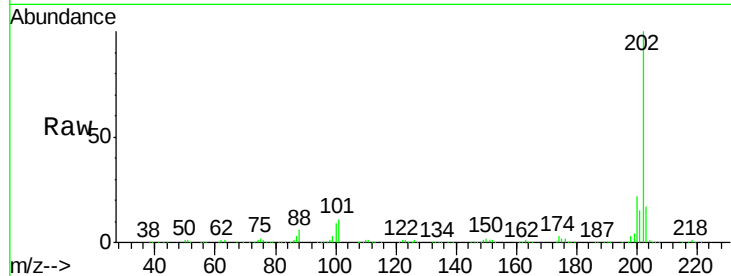
ClientSampleId :

E2-HS3-ESW

Tgt Ion:	202	Resp:	339530
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	33.2
203	17.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

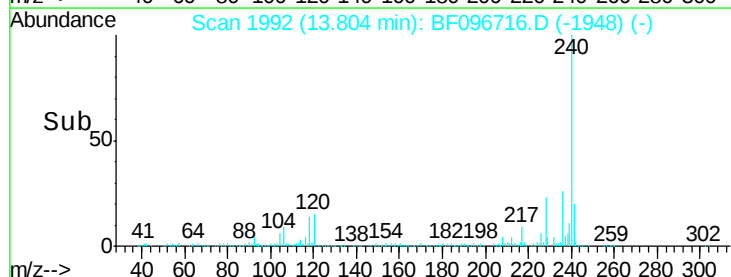
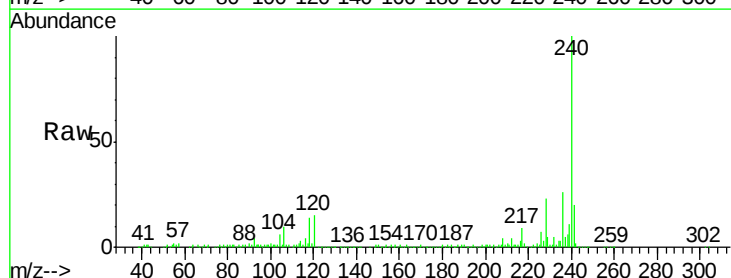
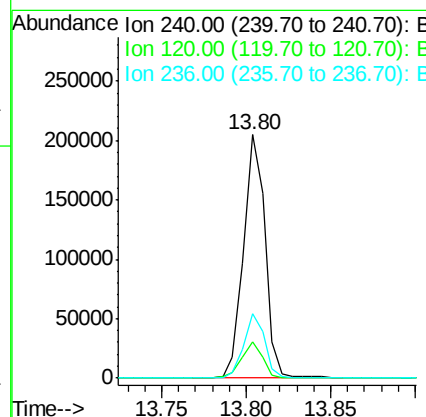
RT: 13.80 min Scan# 1992

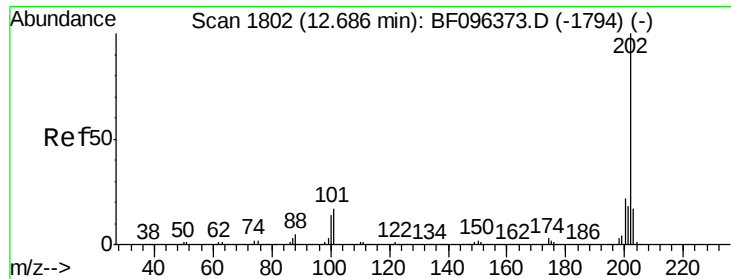
Delta R.T. -0.04 min

Lab File: BF096716.D

Acq: 13 Jul 2017 3:32

Tgt Ion:	240	Resp:	182699
Ion Ratio	Lower	Upper	
240	100		
120	15.0	5.8	8.8#
236	26.2	20.5	30.7





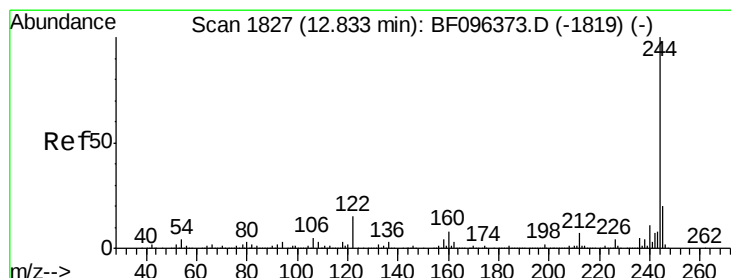
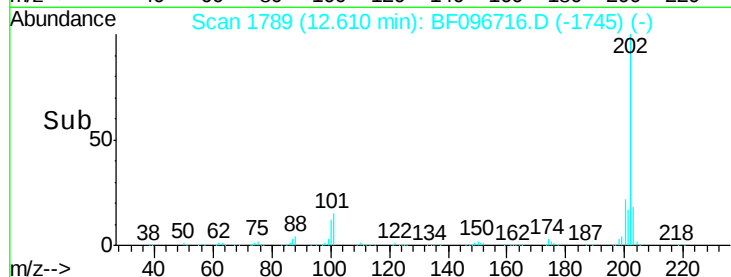
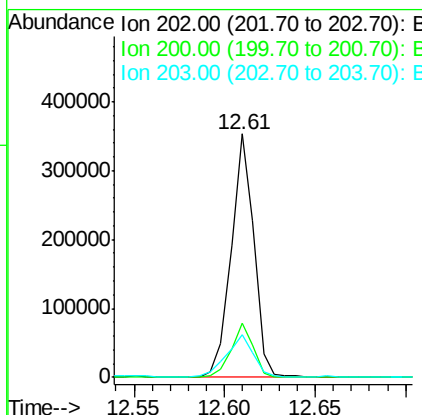
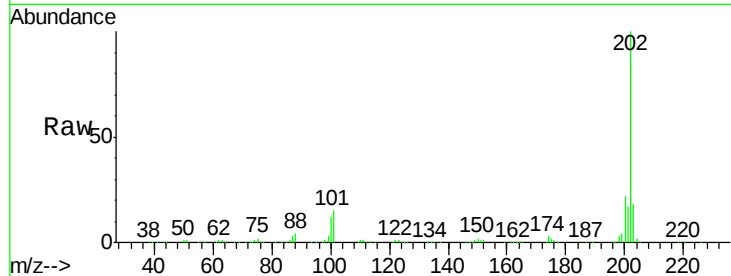
#77
 Pyrene
 Concen: 21.083 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.04 min
 Lab File: BF096716.D
 Acq: 13 Jul 2017 3:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS3-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	309174		
200	22.0	17.6	26.4	
203	17.8	14.4	21.6	

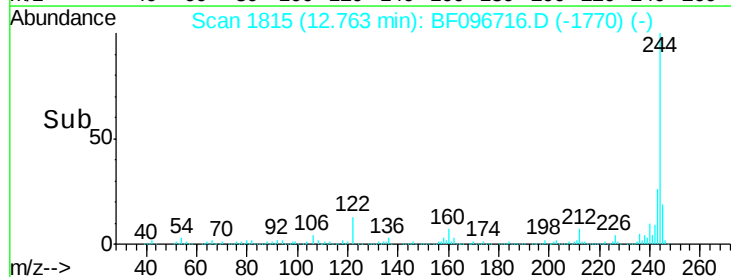
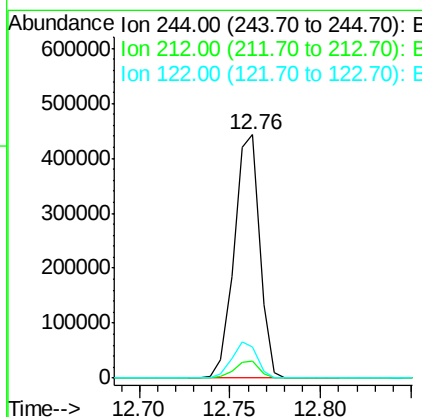
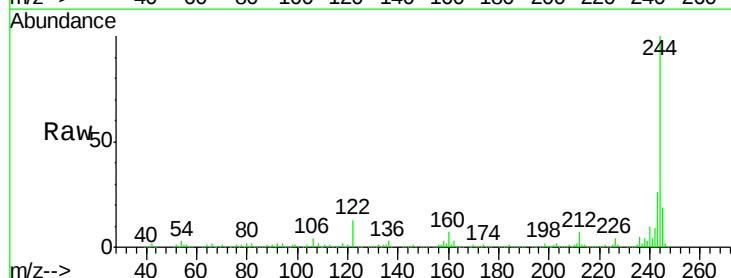
Manual Integrations
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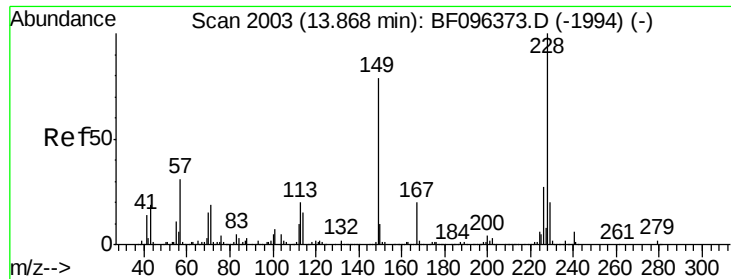
mohammad
 7/13/2017 1:38:20 PM



#78
 Terphenyl-d14
 Concen: 50.716 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.04 min
 Lab File: BF096716.D
 Acq: 13 Jul 2017 3:32

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	433624		
212	6.9	6.0	9.0	
122	12.6	10.3	15.5	





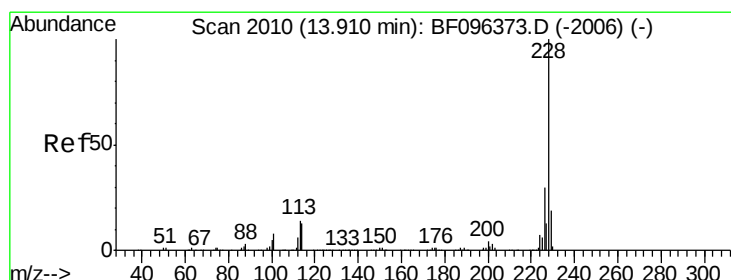
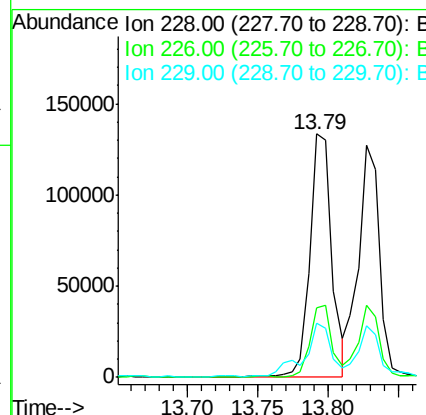
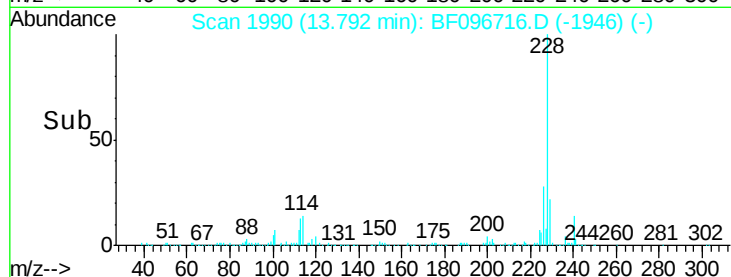
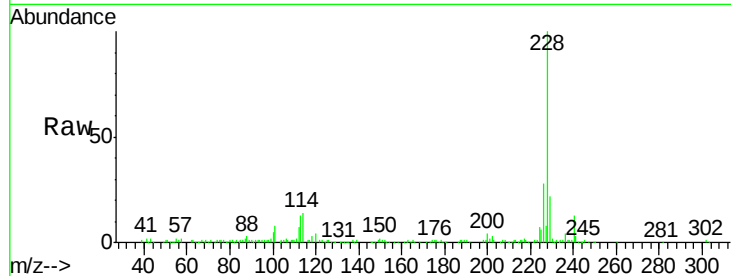
#80
Benzo(a)anthracene
Concen: 13.721 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.04 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Instrument :
BNA_F
ClientSampleId :
E2-HS3-ESW

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	22.0	16.3	24.5

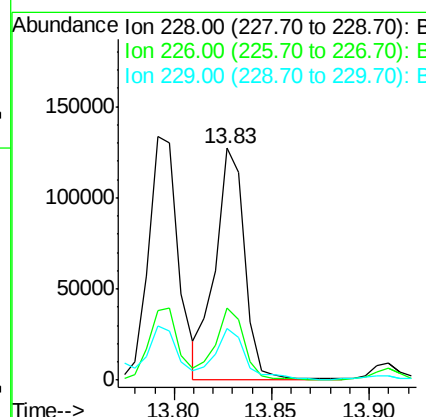
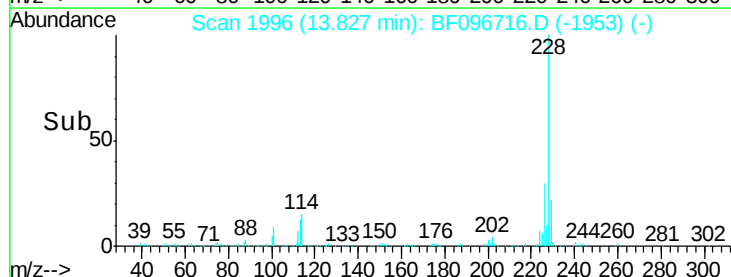
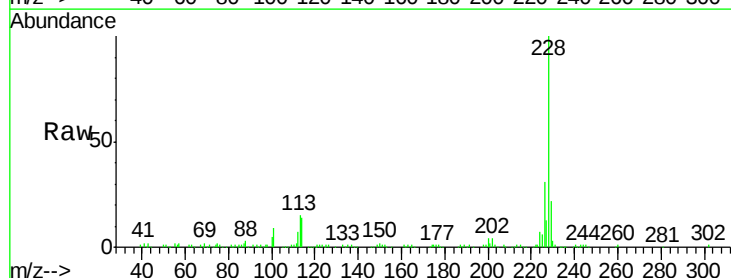
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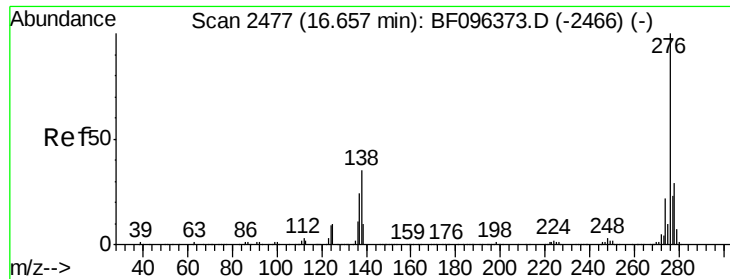
mohammad
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#82
Chrysene
Concen: 12.036 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.05 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	22.3	15.8	23.6





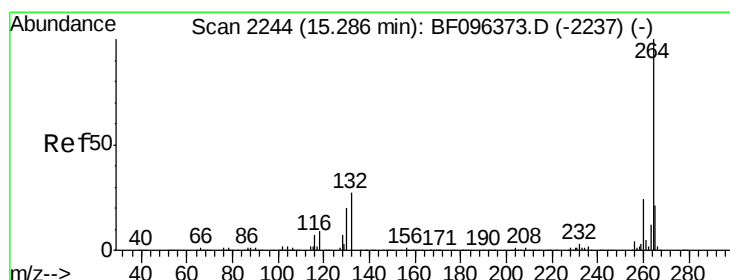
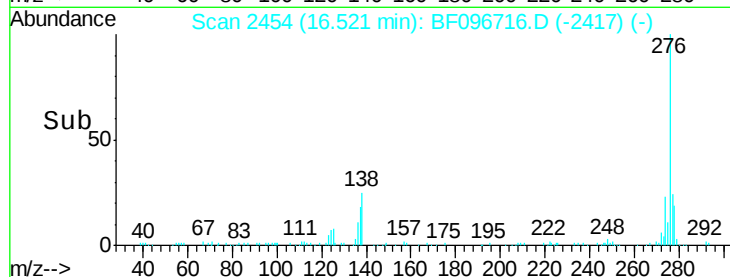
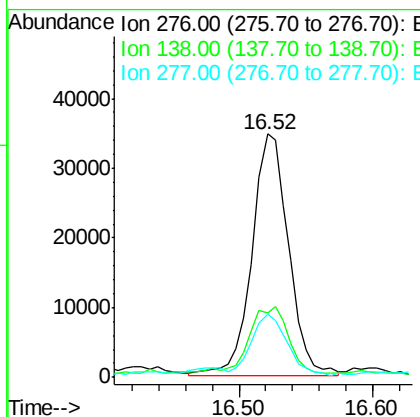
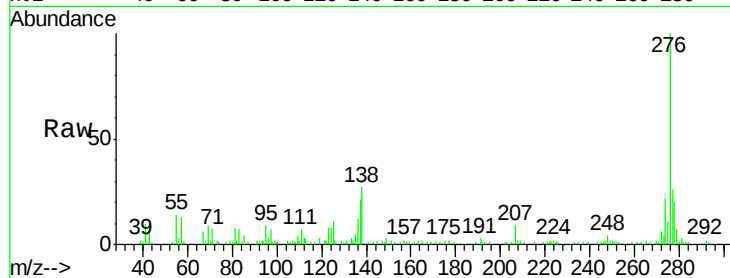
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.545 ng
 RT: 16.52 min Scan# 2454
 Delta R.T. -0.08 min
 Lab File: BF096716.D
 Acq: 13 Jul 2017 3:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS3-ESW

Tgt Ion:	276	Resp:	65980
Ion Ratio	Lower	Upper	
276	100		
138	32.7	27.8	41.6
277	24.3	20.2	30.4

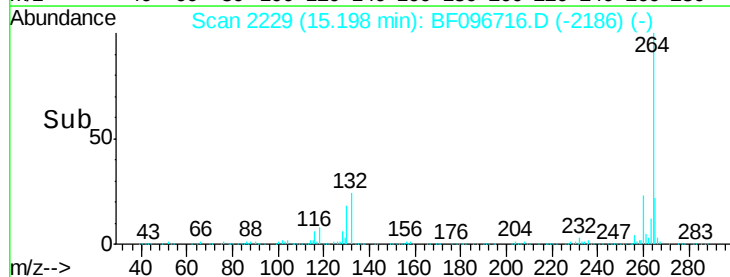
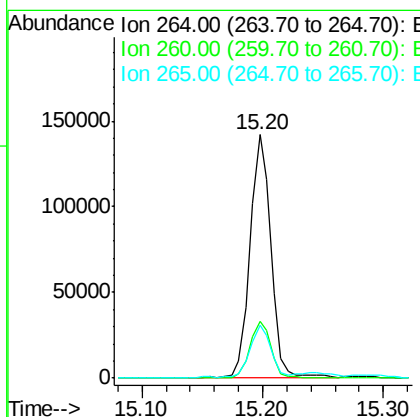
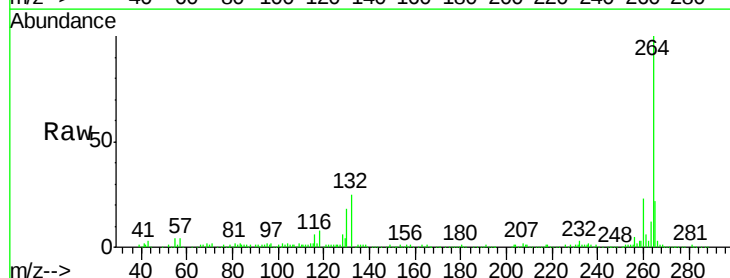
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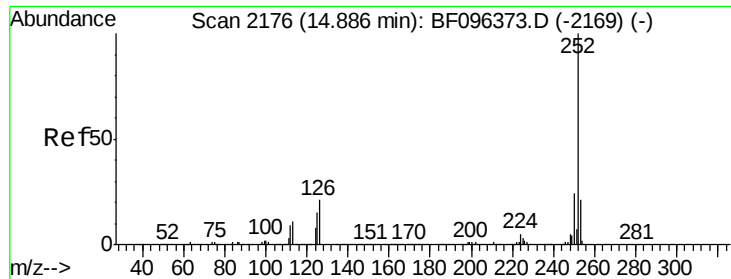
mohammad
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2229
 Delta R.T. -0.05 min
 Lab File: BF096716.D
 Acq: 13 Jul 2017 3:32

Tgt Ion:	264	Resp:	173019
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 17.378 ng m

RT: 14.81 min Scan# 2163

Delta R.T. -0.04 min

Lab File: BF096716.D

Acq: 13 Jul 2017 3:32

Instrument :

BNA_F

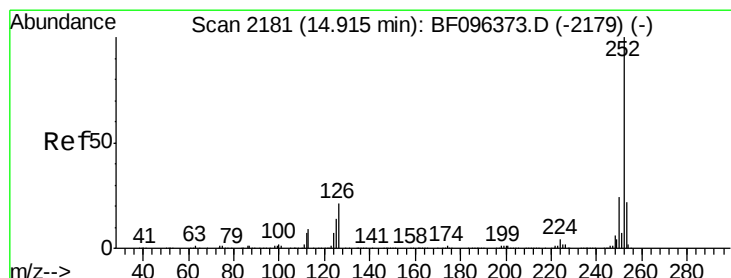
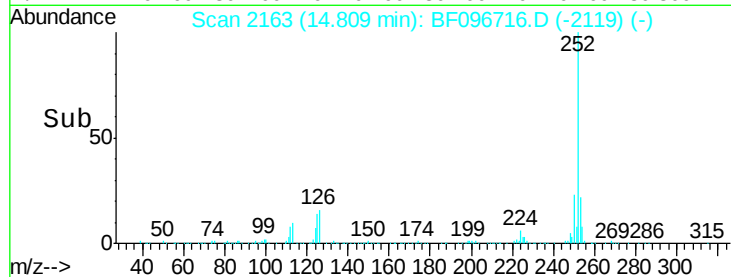
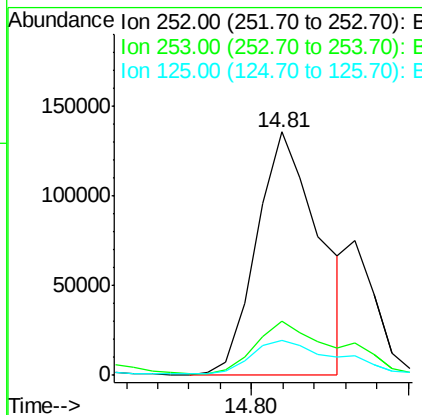
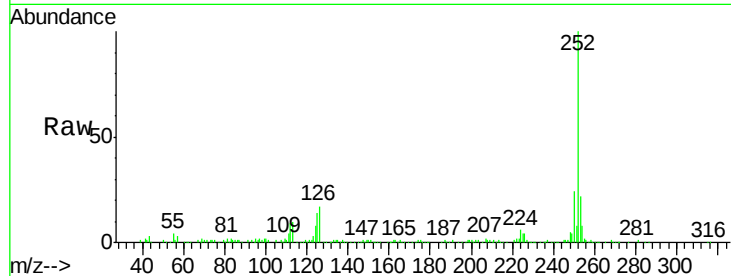
ClientSampleId :

E2-HS3-ESW

Tgt Ion:	252	Resp:	188396
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	14.4	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 5.259 ng m

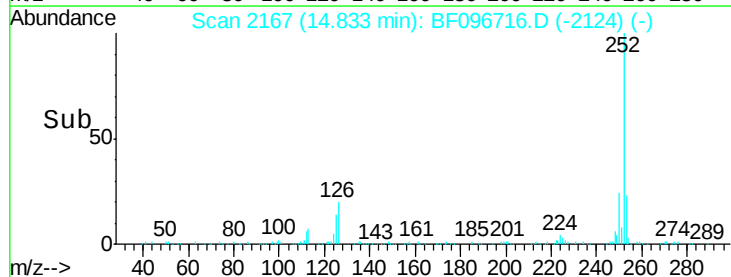
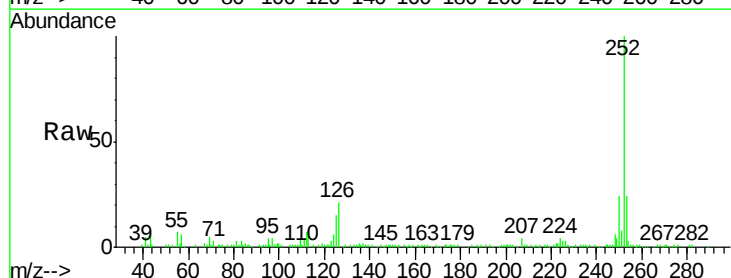
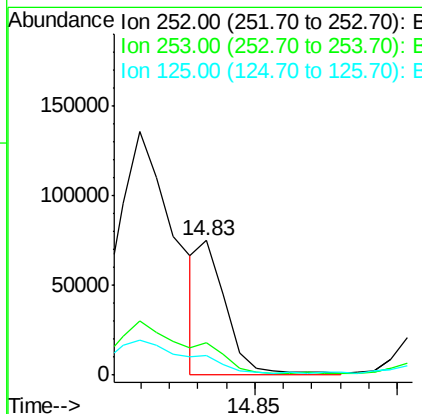
RT: 14.83 min Scan# 2167

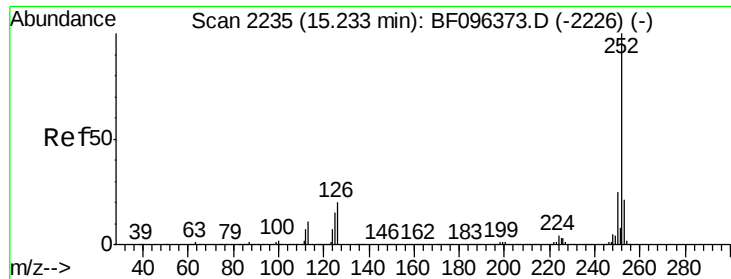
Delta R.T. -0.05 min

Lab File: BF096716.D

Acq: 13 Jul 2017 3:32

Tgt Ion:	252	Resp:	50996
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	15.0	13.1	19.7





#89

Benzo(a)pyrene

Concen: 12.614 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.05 min

Lab File: BF096716.D

Acq: 13 Jul 2017 3:32

Instrument :

BNA_F

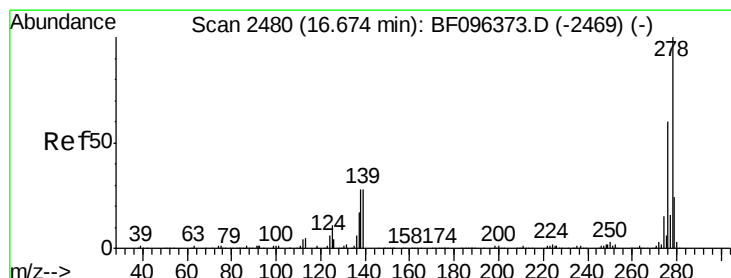
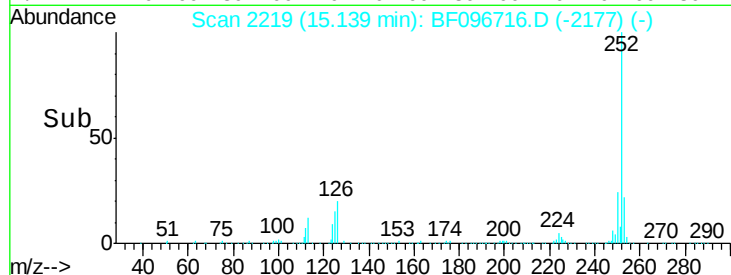
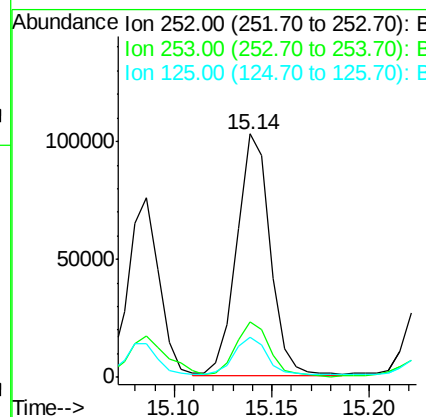
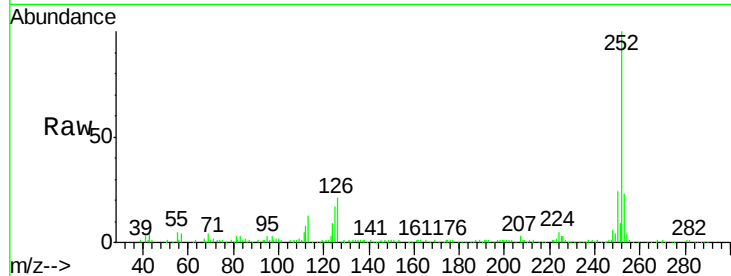
ClientSampleId :

E2-HS3-ESW

Tgt Ion:	252	Resp:	122095
Ion Ratio		Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.6	11.0	16.4#

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#90

Dibenzo(a,h)anthracene

Concen: 2.460 ng

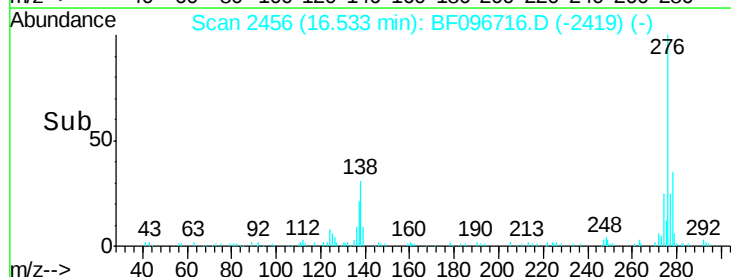
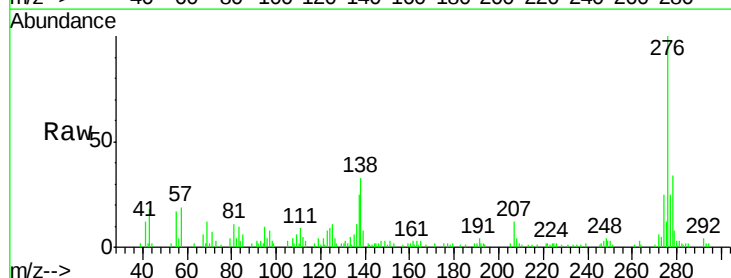
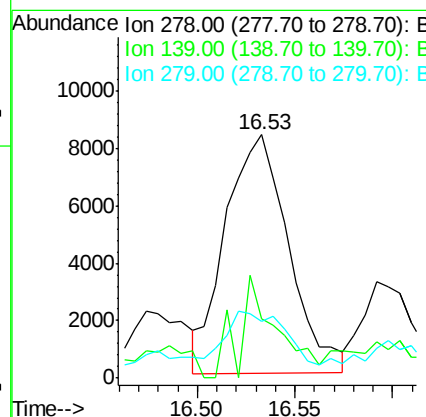
RT: 16.53 min Scan# 2456

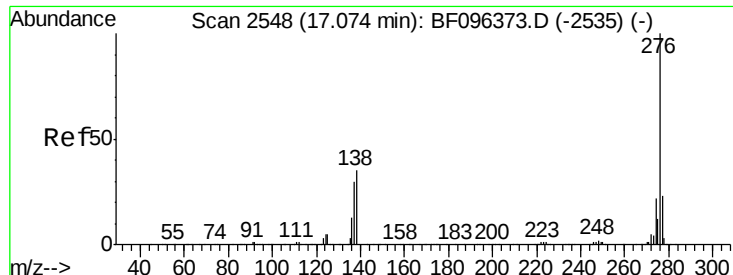
Delta R.T. -0.08 min

Lab File: BF096716.D

Acq: 13 Jul 2017 3:32

Tgt Ion:	278	Resp:	18731
Ion Ratio		Lower	Upper
278	100		
139	24.4	16.6	24.8
279	23.4	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 7.290 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.08 min
Lab File: BF096716.D
Acq: 13 Jul 2017 3:32

Instrument :
BNA_F
ClientSampleId :
E2-HS3-ESW

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.1	18.6	28.0
138	34.5	25.4	38.0

Manual Integrations
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