

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095421.D
 Acq On : 25 May 2017 12:01
 Operator : SJ/MA
 Sample : I3300-04 2X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S11-ESW

Manual Integrations
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Quant Time: May 25 16:41:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	76223	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	280891	20.00	ng	-0.01
38) Acenaphthene-d10	12.61	164	111741	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	181378	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	165014	20.00	ng	-0.02
86) Perylene-d12	20.36	264	114107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	185729	40.62	ng	0.01
7) Phenol-d6	7.32	99	234384	42.73	ng	0.01
23) Nitrobenzene-d5	8.66	82	167748	37.66	ng	-0.01
41) 2,4,6-Tribromophenol	13.92	330	33216	36.30	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	300627	38.72	ng	-0.02
78) Terphenyl-d14	17.32	244	214204	28.59	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.81	128	41899	2.97	ng	98
37) 2-Methylnaphthalene	10.95	142	18569	2.00	ng	97
48) Acenaphthylene	12.38	152	75901	6.38	ng	97
49) Dimethylphthalate	12.25	163	46095	5.02	ng	96
57) Fluorene	13.51	166	19570	2.29	ng	85
70) Phenanthrene	15.04	178	171771	16.48	ng	97
71) Anthracene	15.14	178	41057	3.86	ng	98
74) Fluoranthene	16.79	202	163941	15.34	ng	99
77) Pyrene	17.09	202	287482	23.29	ng	97
80) Benzo(a)anthracene	18.67	228	84624m	8.81	ng	
82) Chrysene	18.71	228	90341	9.73	ng	99
85) Indeno(1,2,3-cd)pyrene	21.71	276	44873	5.95	ng	92
87) Benzo(b)fluoranthene	19.95	252	83730m	11.88	ng	
88) Benzo(k)fluoranthene	19.98	252	31436m	4.62	ng	
89) Benzo(a)pyrene	20.31	252	77367	11.89	ng	98
91) Benzo(g,h,i)perylene	22.09	276	62846	11.92	ng	97

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

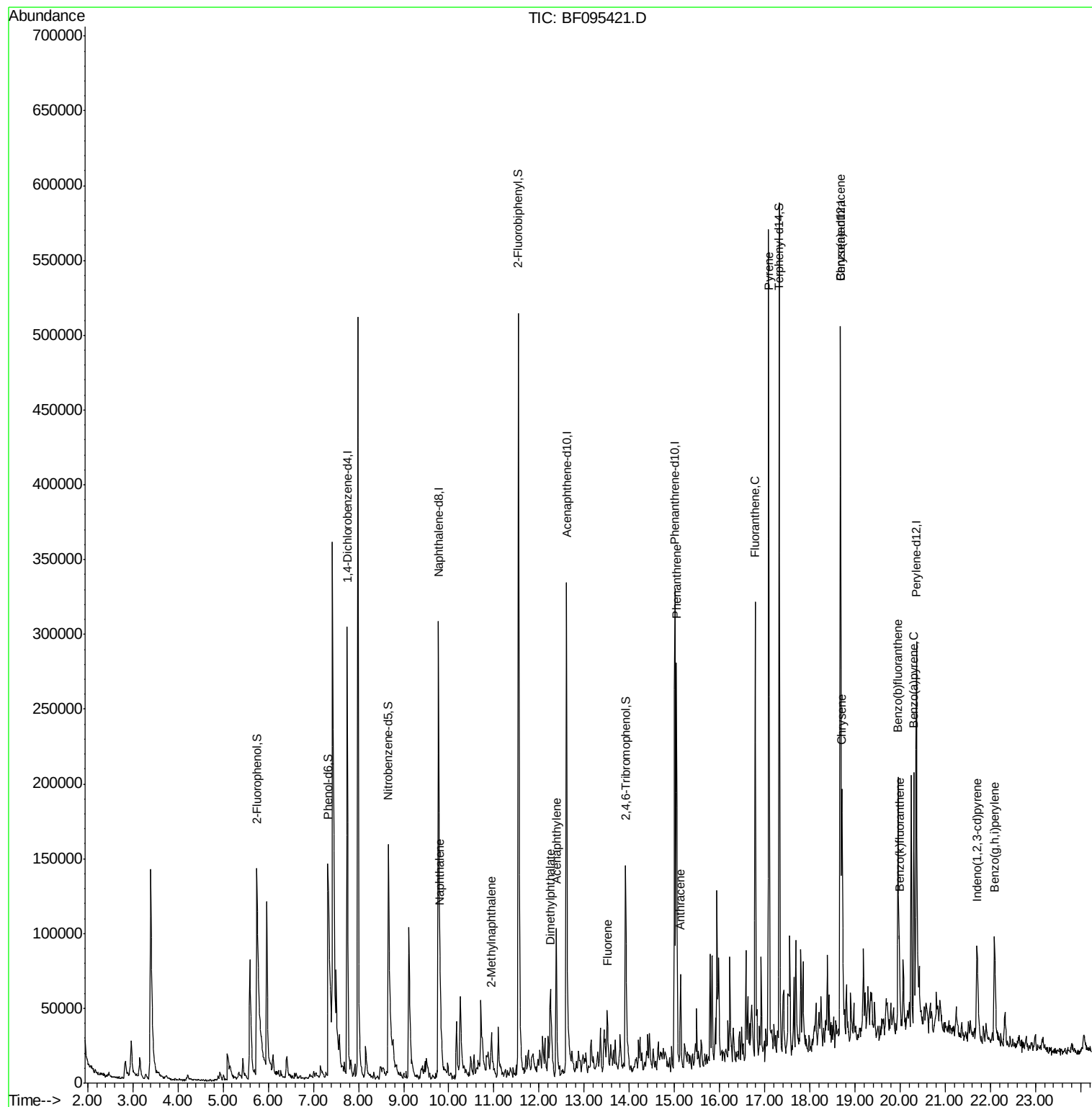
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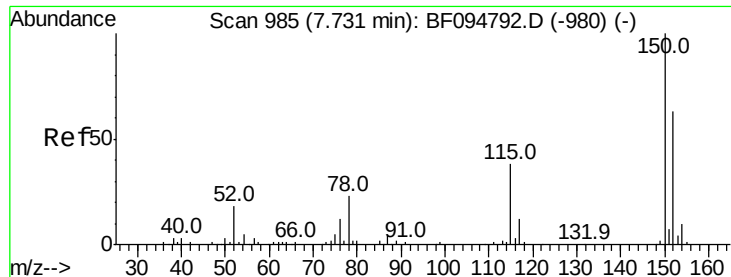
Instrument :
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#1

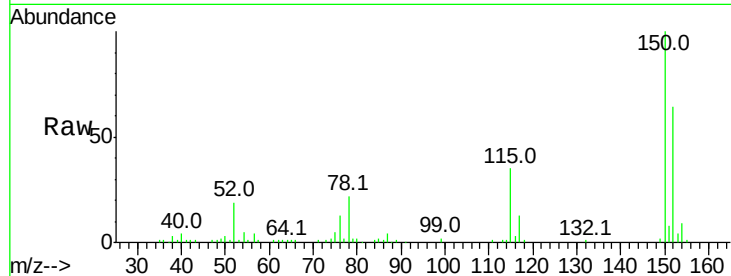
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

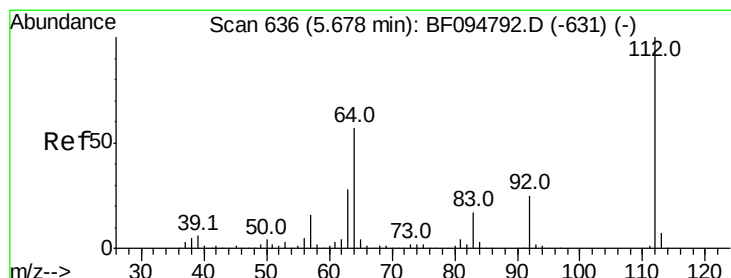
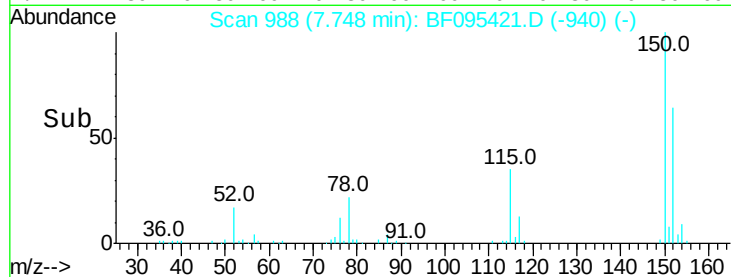
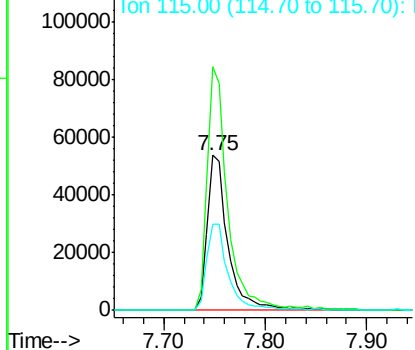
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	55.3	52.2	78.2

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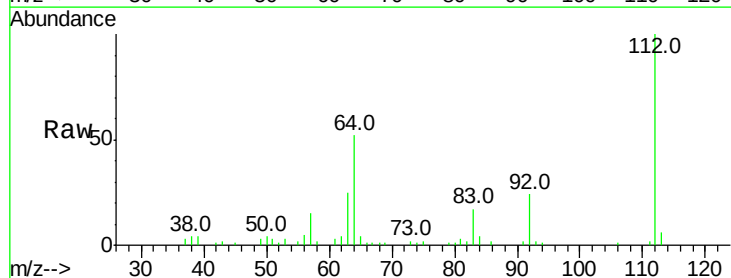
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



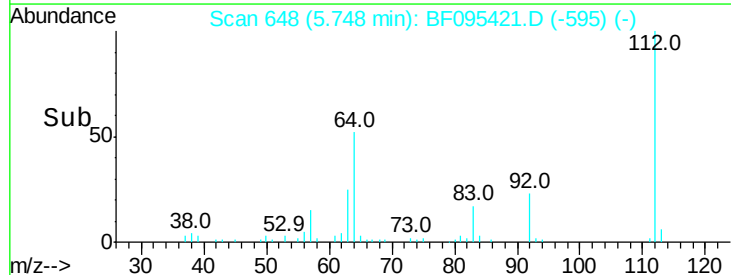
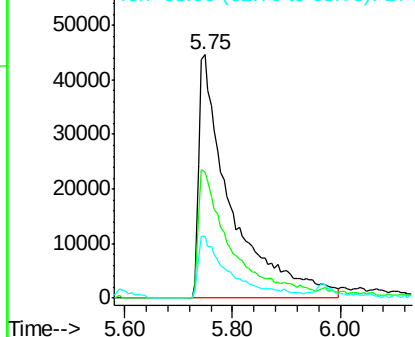
#5

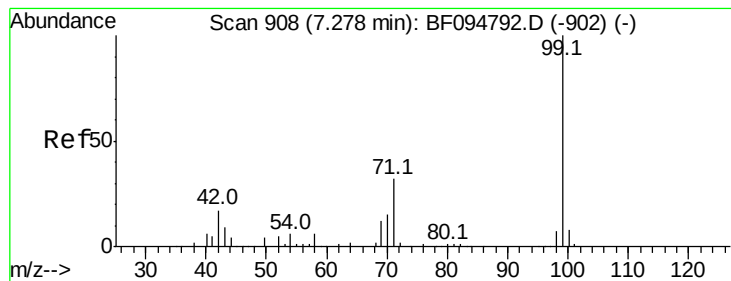
2-Fluorophenol
Concen: 40.62 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	46.0	69.0
63	25.2	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.73 ng

RT: 7.32 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

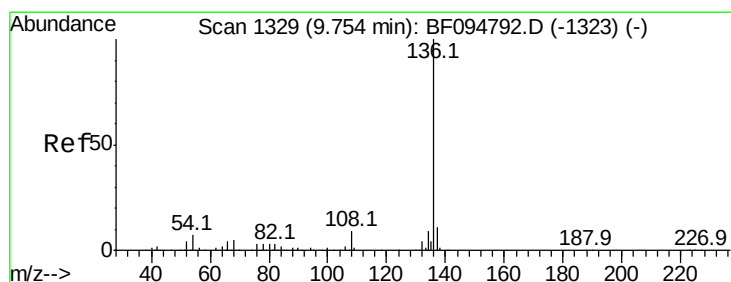
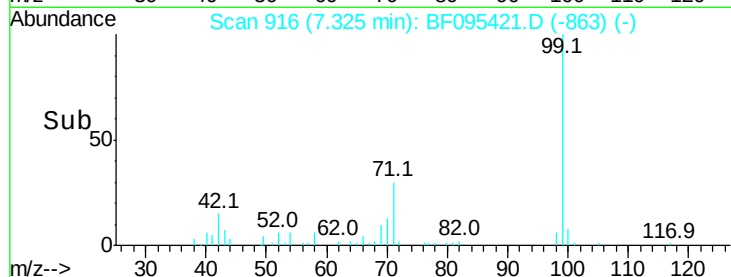
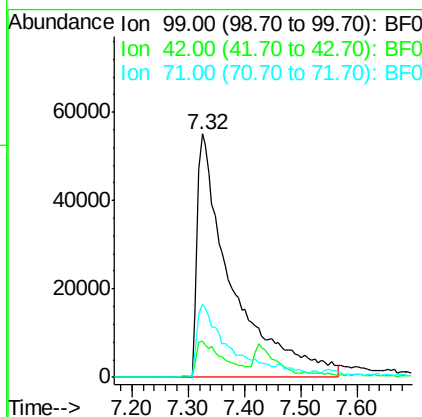
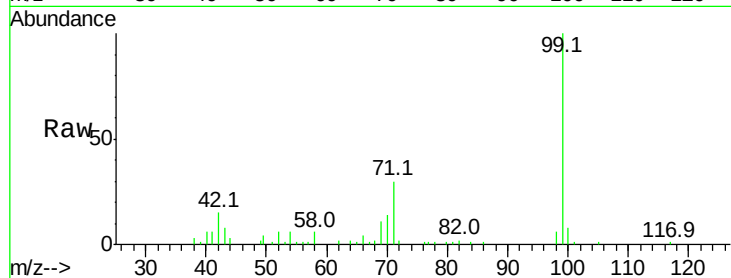
ClientSampleId :

E2-S11-ESW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		234384		
42	15.1	13.5	20.3		
71	30.1	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

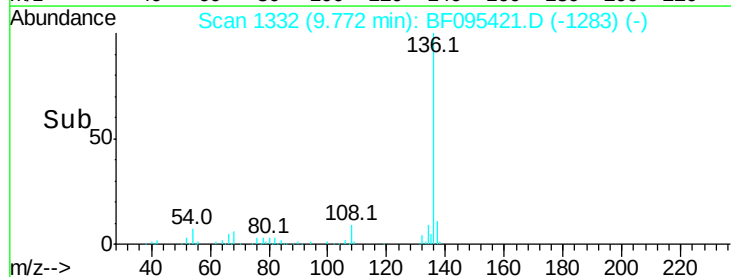
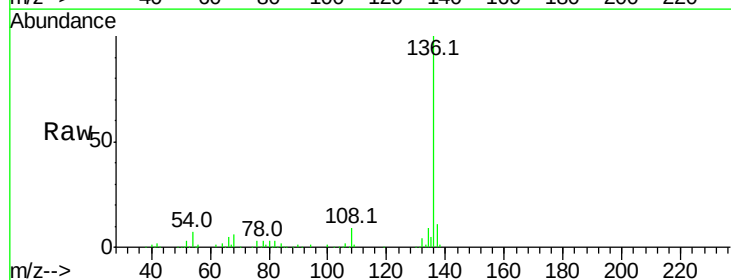
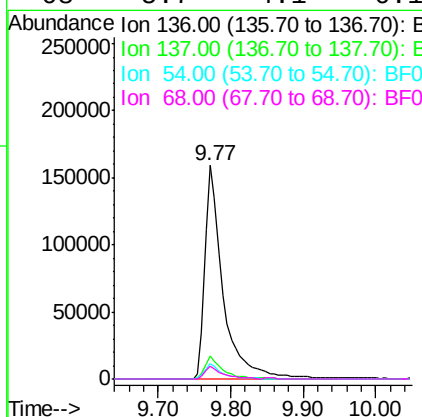
RT: 9.77 min Scan# 1332

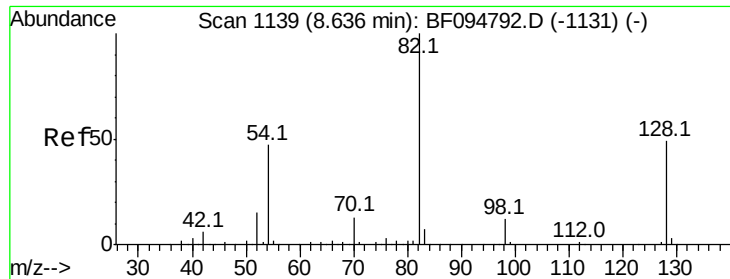
Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		280891		
137	11.1	8.5	12.7		
54	6.9	4.9	7.3		
68	5.7	4.1	6.1		





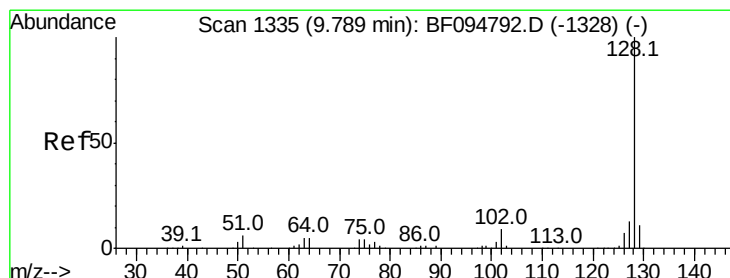
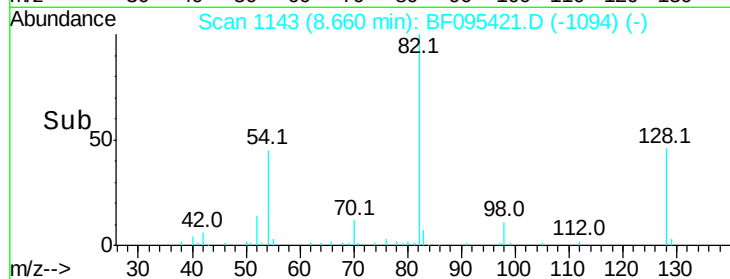
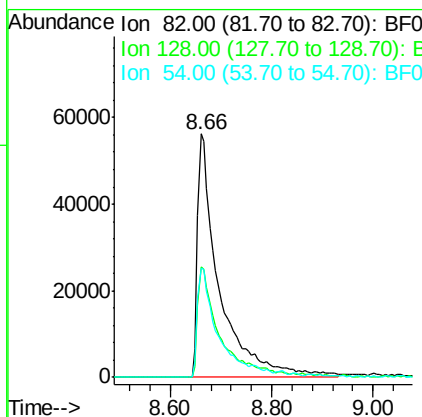
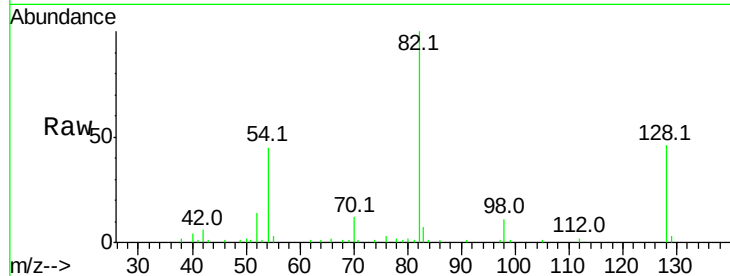
#23
 Nitrobenzene-d5
 Concen: 37.66 ng
 RT: 8.66 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-S11-ESW

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	45.1	42.2	63.2

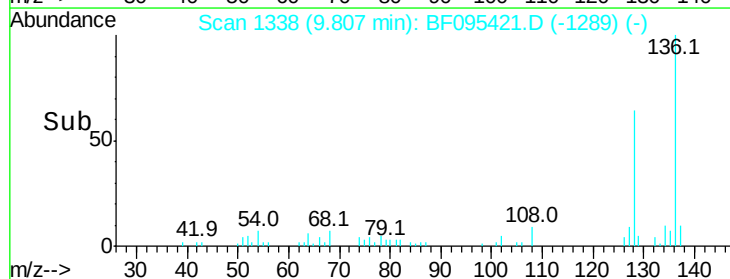
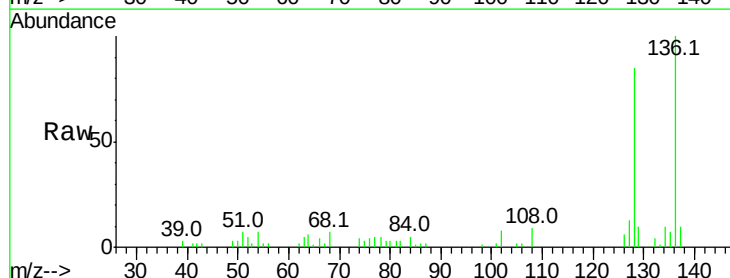
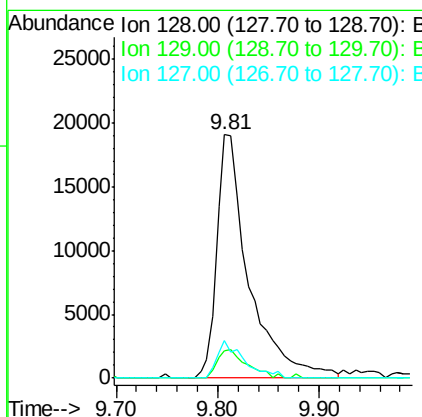
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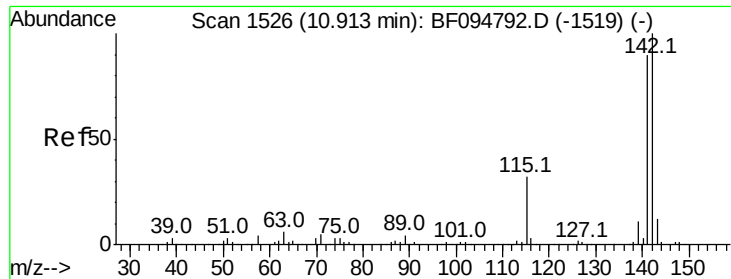
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#31
 Naphthalene
 Concen: 2.97 ng
 RT: 9.81 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	15.2	10.8	16.2





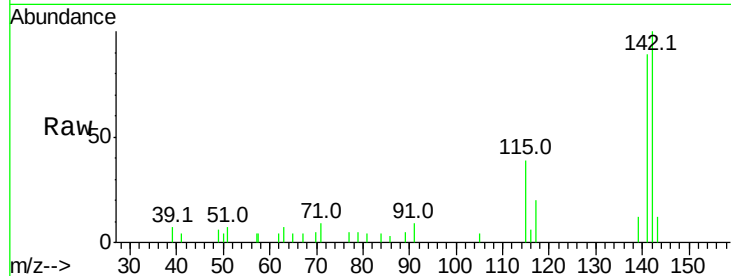
#37
2-Methylnaphthalene
Concen: 2.00 ng
RT: 10.95 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

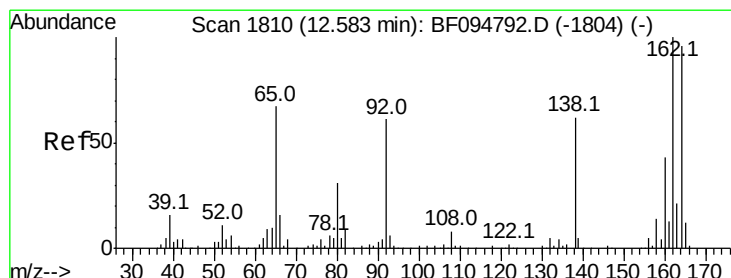
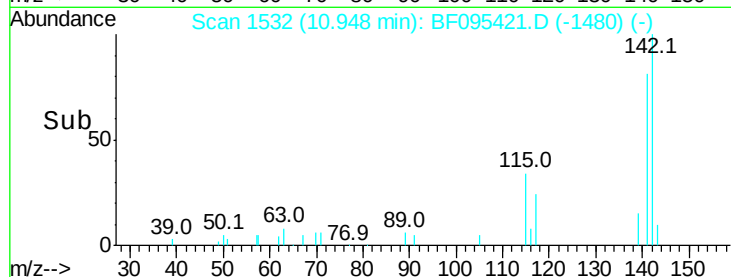
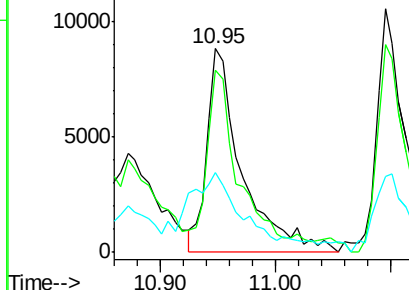
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.3	106.9
115	39.2	27.1	40.7

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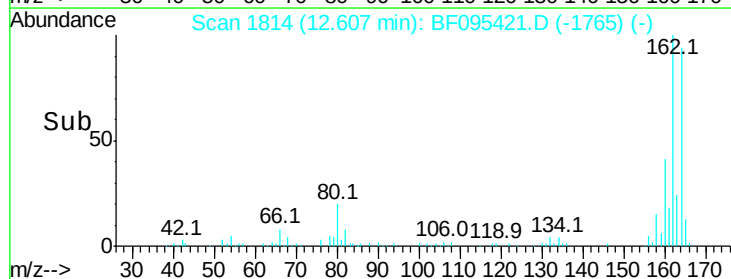
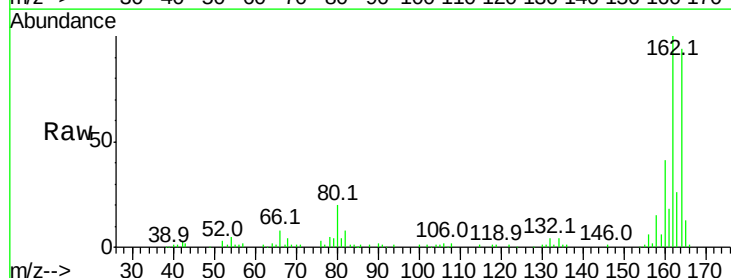
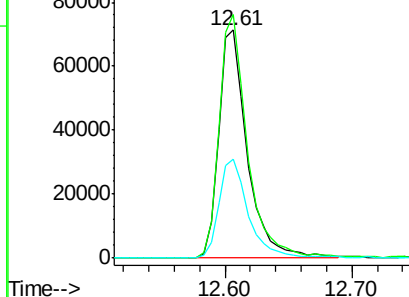
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

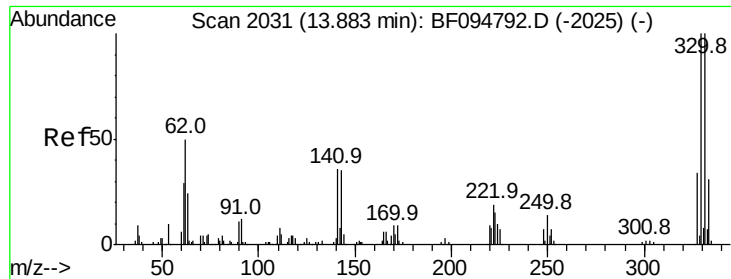


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.6	123.8
160	43.4	36.2	54.2

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





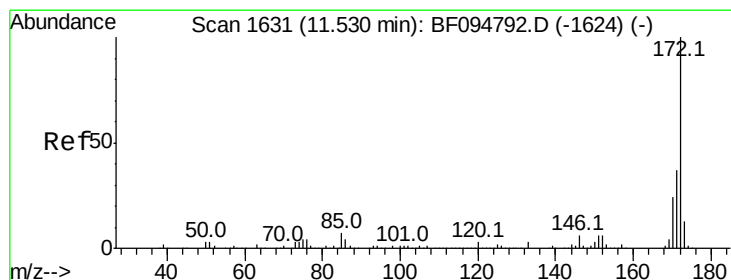
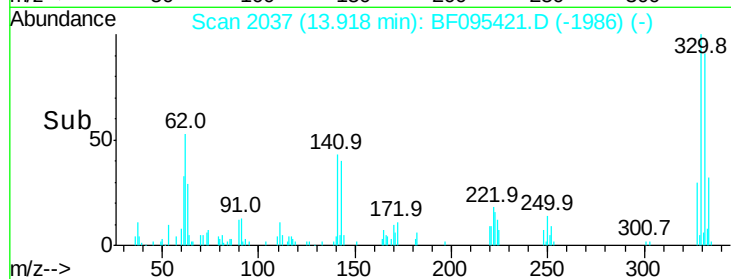
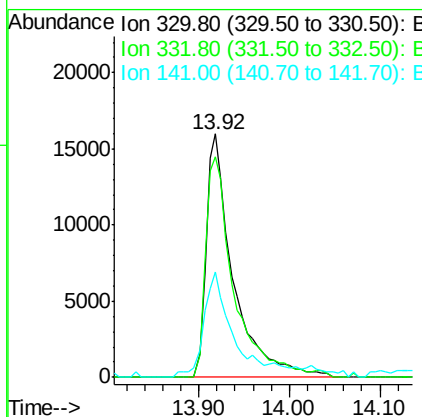
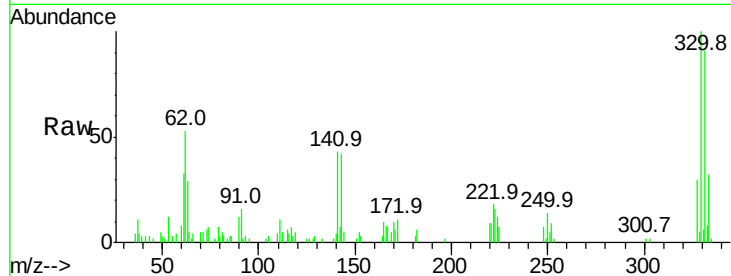
#41
 2,4,6-Tribromophenol
 Concen: 36.30 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

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 BNA_F
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 E2-S11-ESW

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	76.6	115.0	
141	49.1	31.4	47.2	

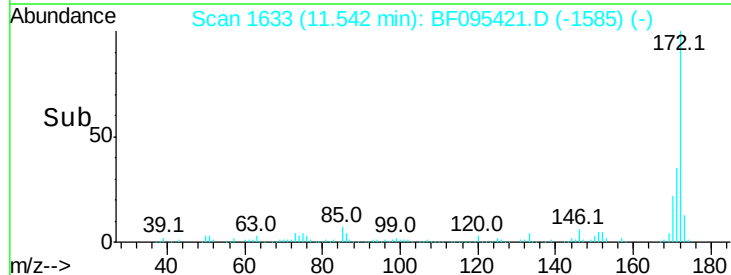
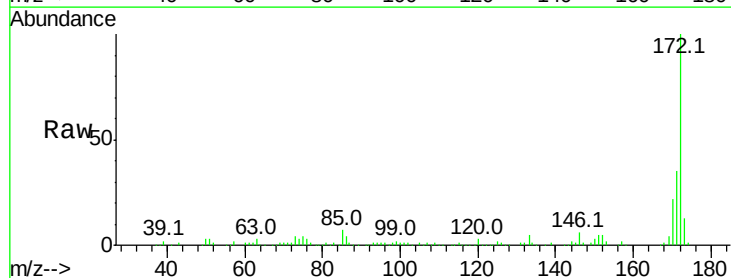
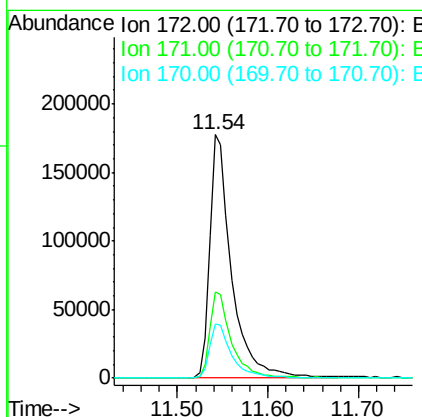
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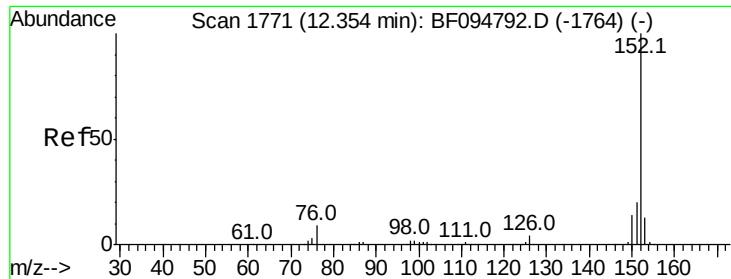
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#44
 2-Fluorobiphenyl
 Concen: 38.72 ng
 RT: 11.54 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.6	44.4	
170	22.2	19.8	29.8	





#48

Acenaphthylene

Concen: 6.38 ng

RT: 12.38 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

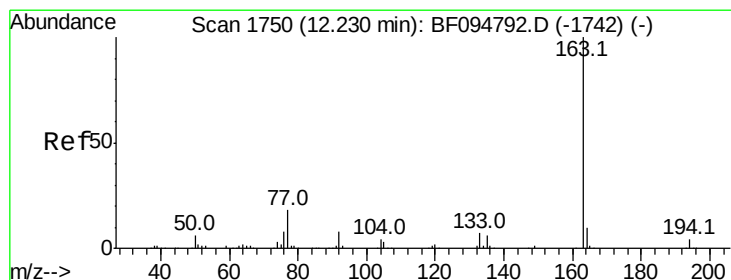
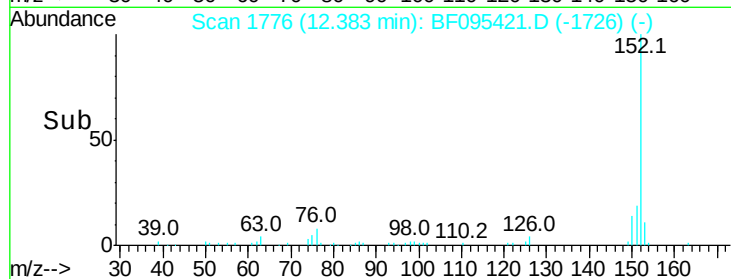
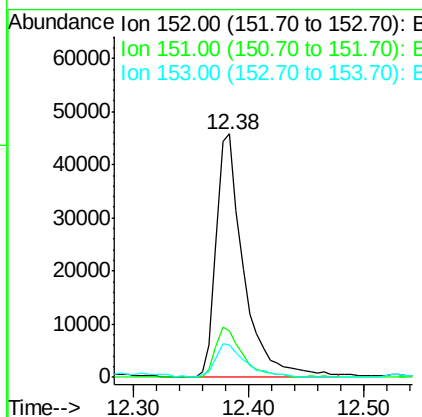
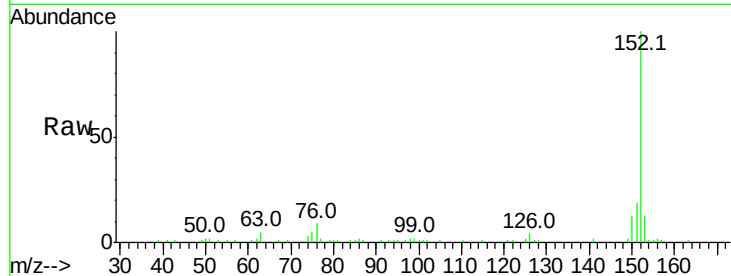
ClientSampleId :

E2-S11-ESW

Tot Ion:	152	Resp:	75901
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.8	25.2
153	13.1	10.8	16.2

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#49

Dimethylphthalate

Concen: 5.02 ng

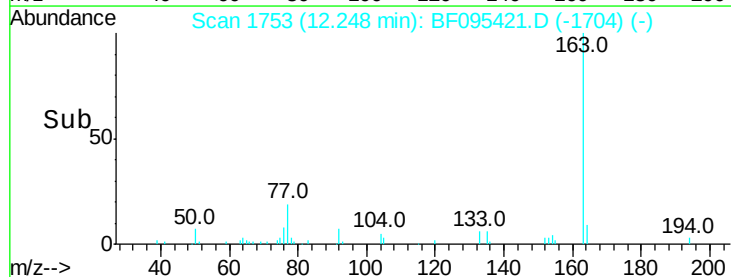
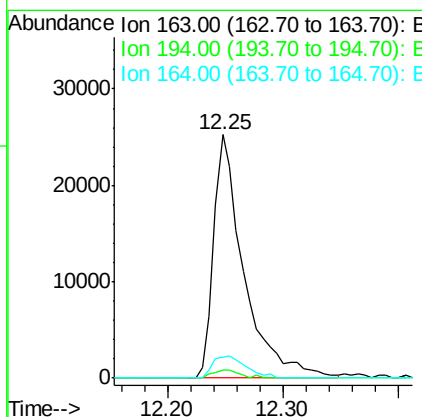
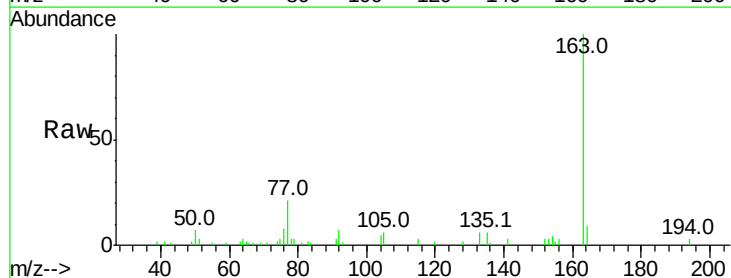
RT: 12.25 min Scan# 1753

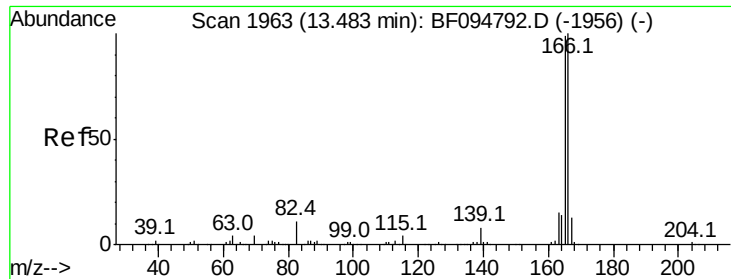
Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Tgt Ion:	163	Resp:	46095
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	8.5	8.4	12.6





#57

Fluorene

Concen: 2.29 ng

RT: 13.51 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

ClientSampleId :

E2-S11-ESW

Tot Ion:166 Resp: 19570

Ion Ratio Lower Upper

166 100

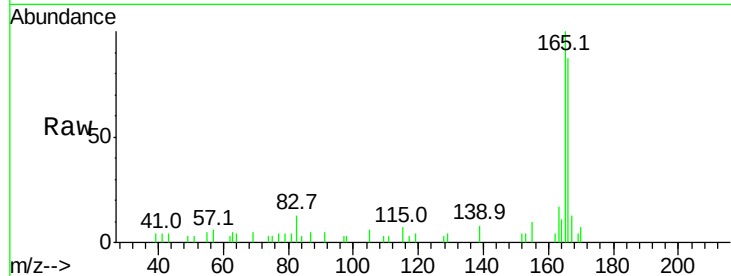
165 114.4 78.8 118.2

167 14.8 10.6 16.0

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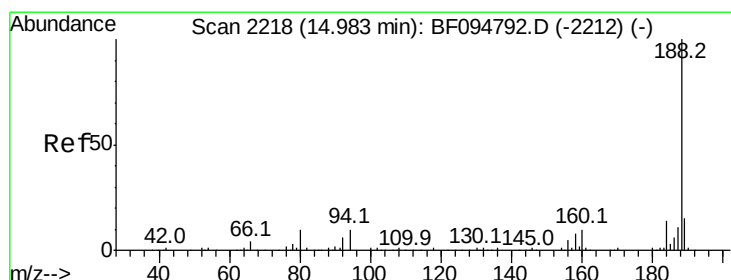
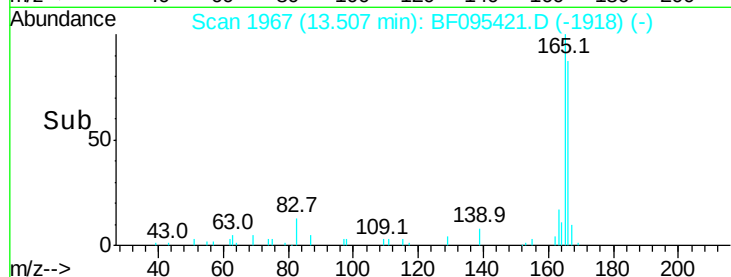
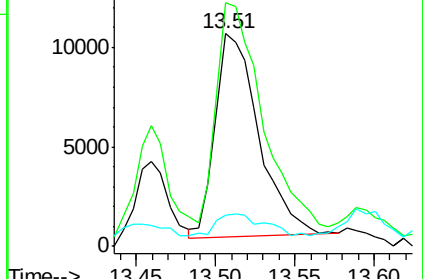
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

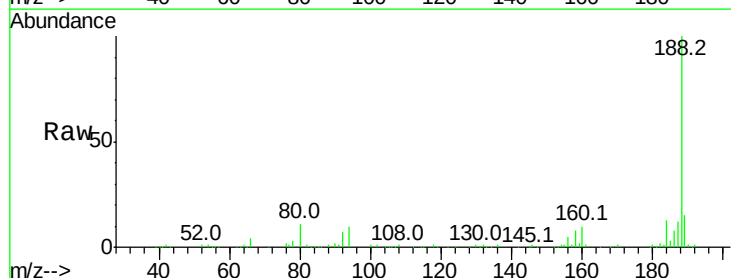
Tgt Ion:188 Resp: 181378

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.2

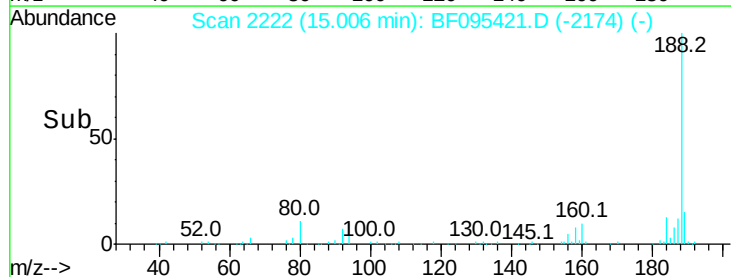
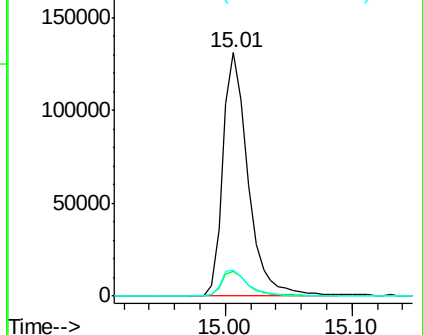
80 10.9 10.2 15.2

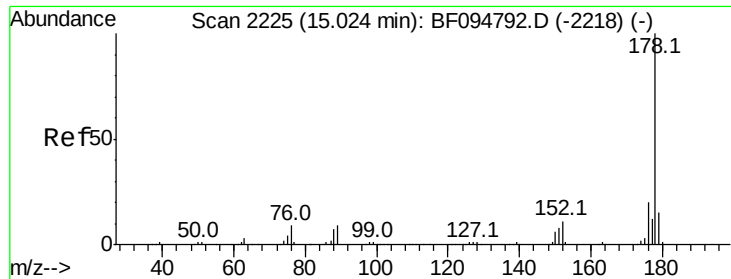


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





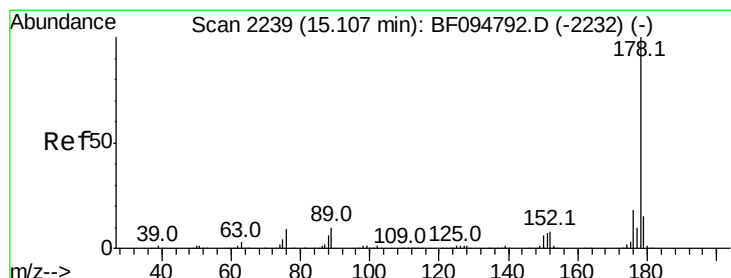
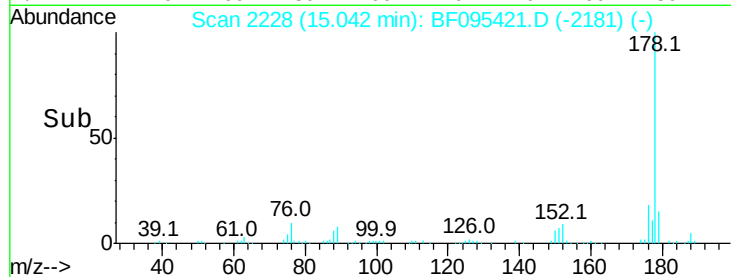
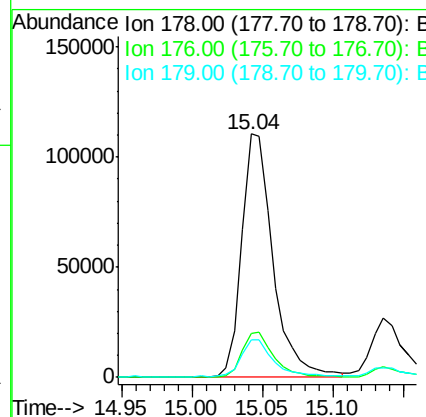
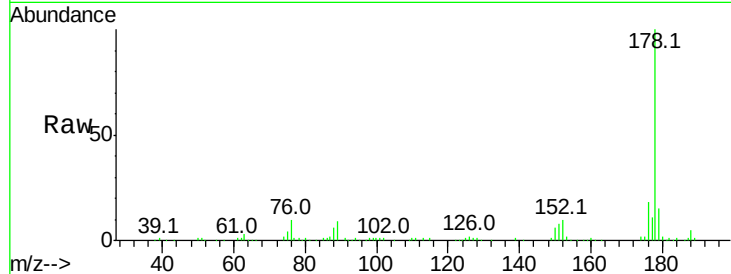
#70
Phenanthrene
Concen: 16.48 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	15.3	12.6	19.0

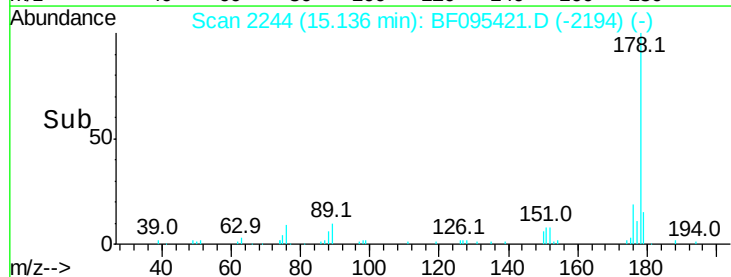
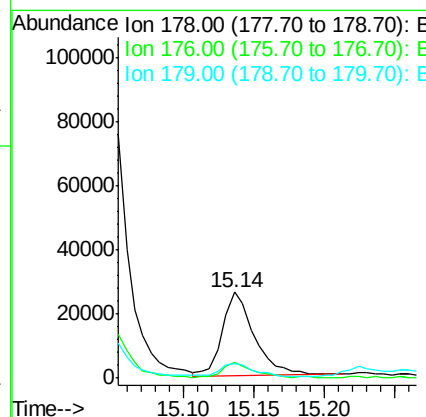
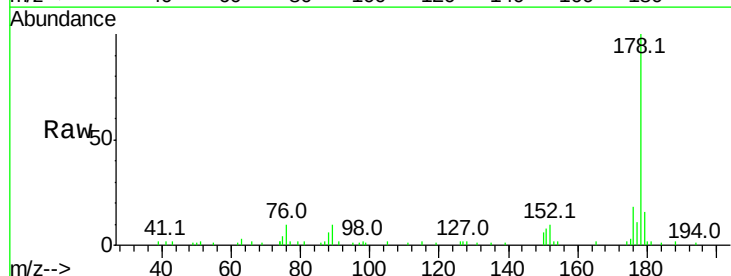
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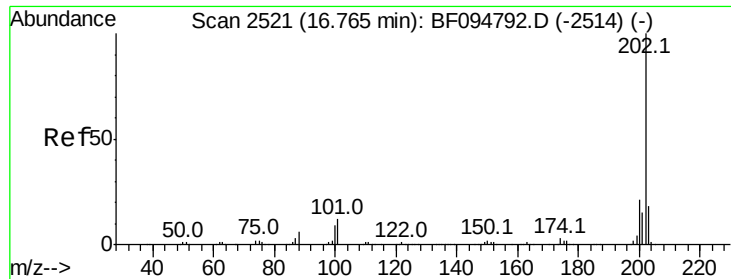
mohammad
5/25/2017 6:11:32 PM



#71
Anthracene
Concen: 3.86 ng
RT: 15.14 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	16.4	12.7	19.1





#74

Fluoranthene

Concen: 15.34 ng

RT: 16.79 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

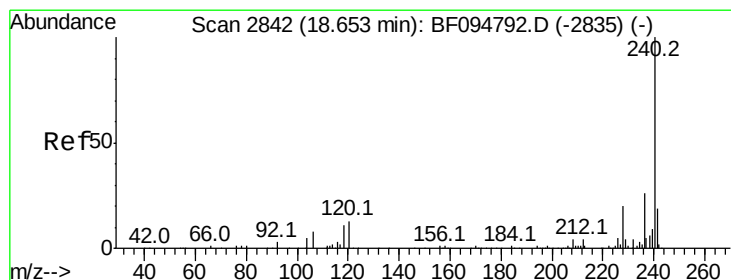
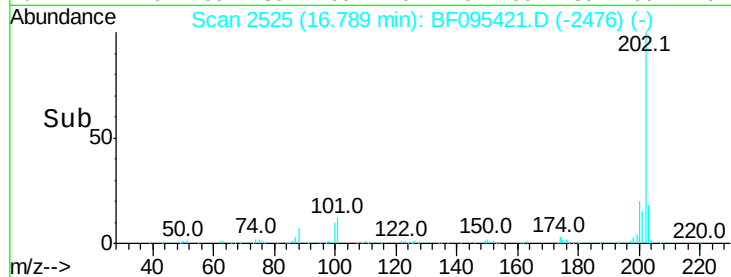
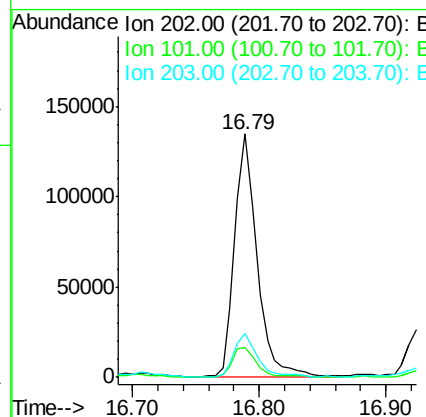
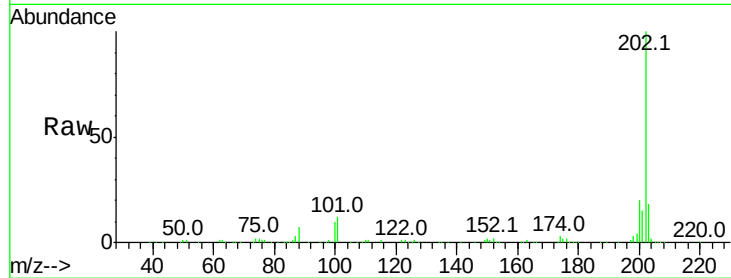
ClientSampleId :

E2-S11-ESW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	33.2
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

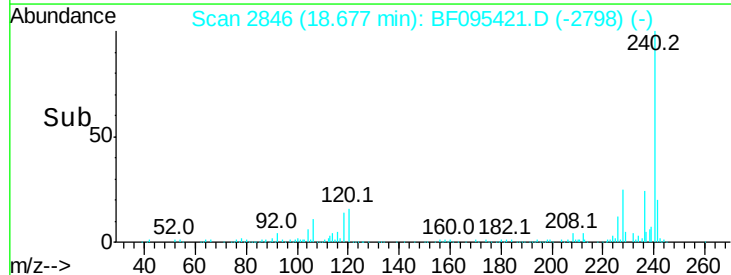
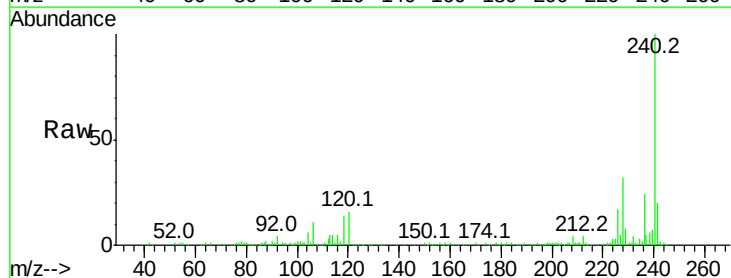
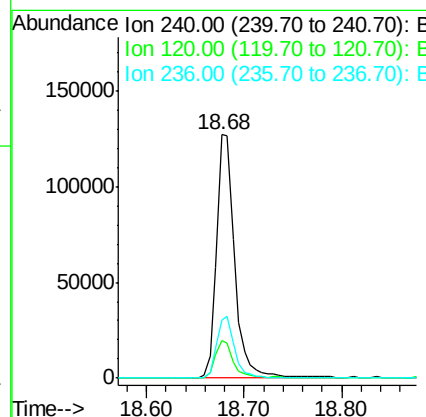
RT: 18.68 min Scan# 2846

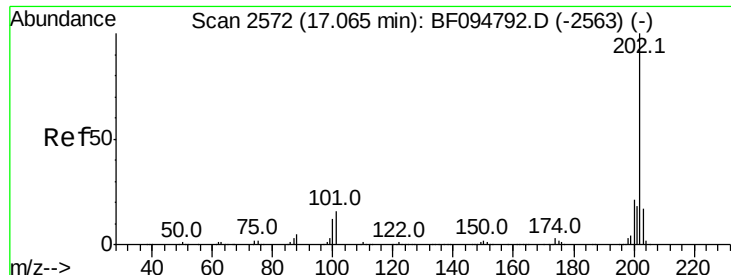
Delta R.T. -0.02 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	24.0	20.5	30.7





#77

Pvrene

Concen: 23.29 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

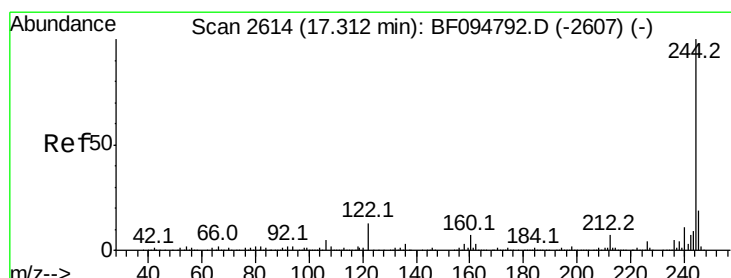
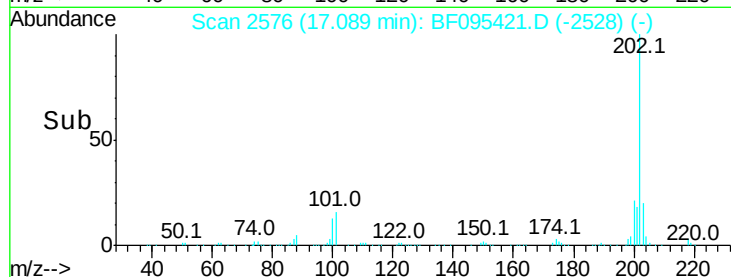
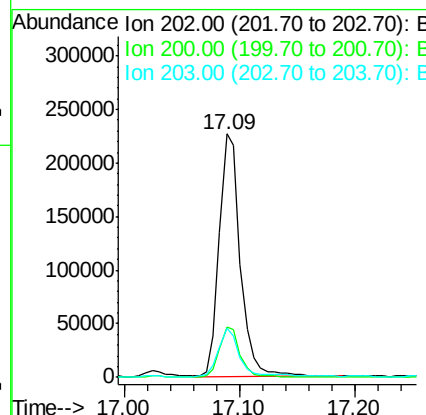
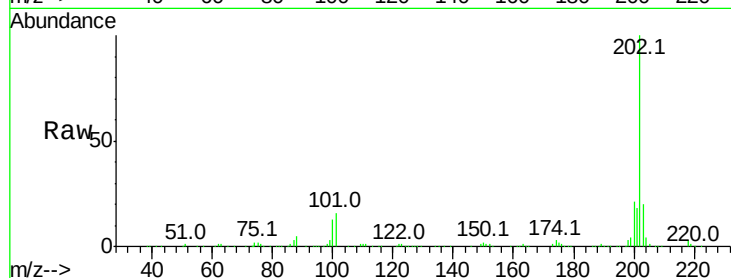
ClientSampleId :

E2-S11-ESW

Tot Ion:	202	Resp:	287482
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.6	26.4
203	19.9	14.4	21.6

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#78

Terphenyl-d14

Concen: 28.59 ng

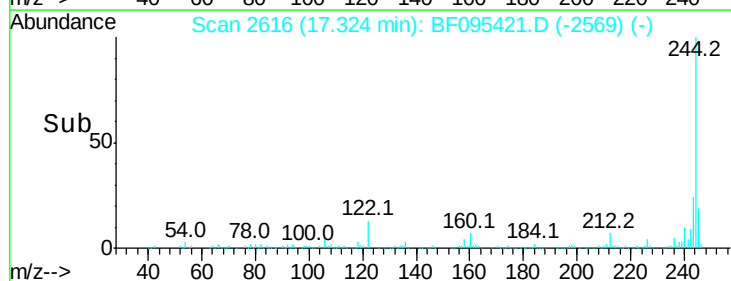
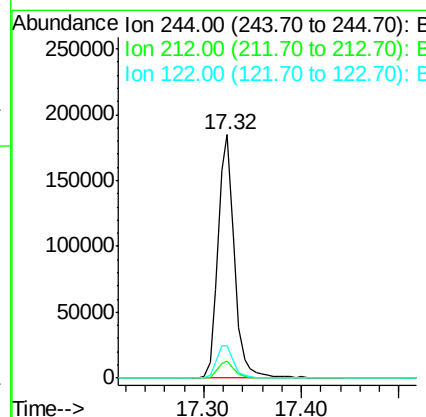
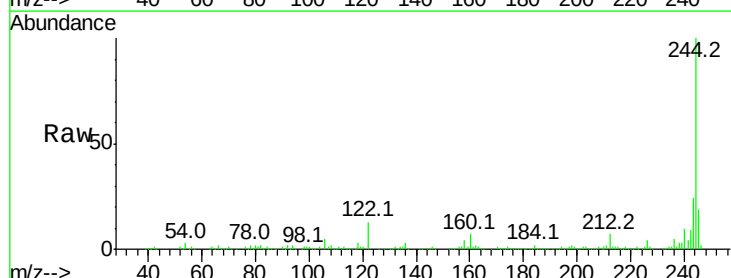
RT: 17.32 min Scan# 2616

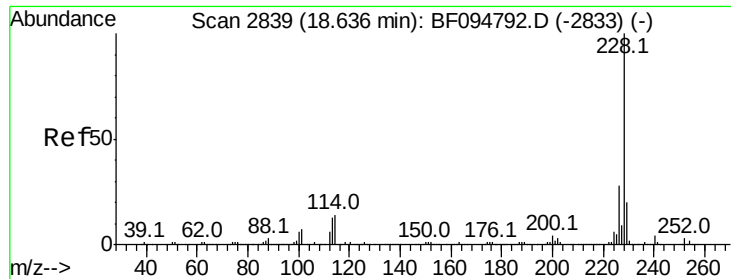
Delta R.T. -0.02 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Tgt Ion:	244	Resp:	214204
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	13.4	10.3	15.5





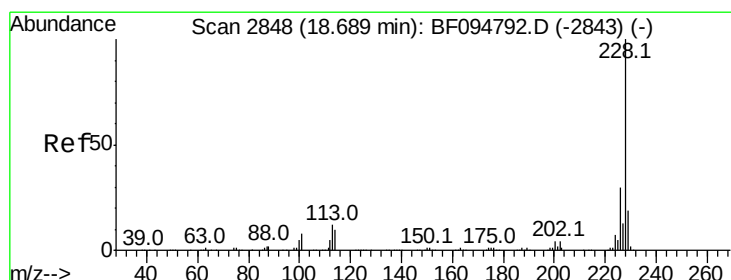
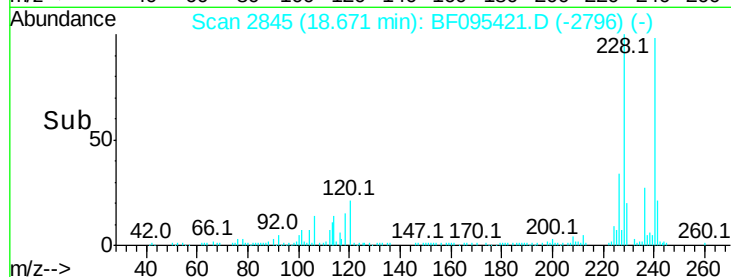
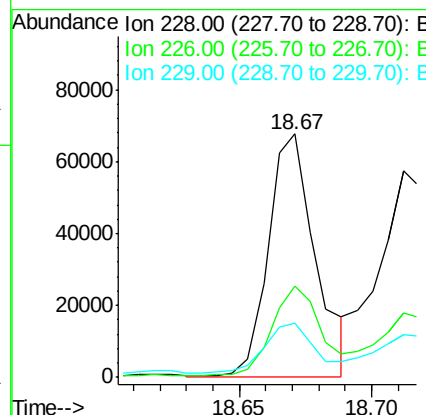
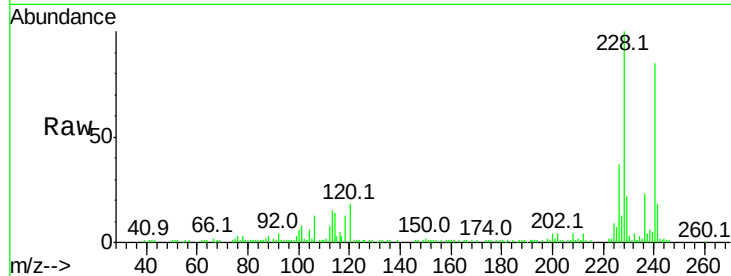
#80
Benzo(a)anthracene
Concen: 8.81 ng m
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.2	22.6	33.8#
229	22.1	16.3	24.5

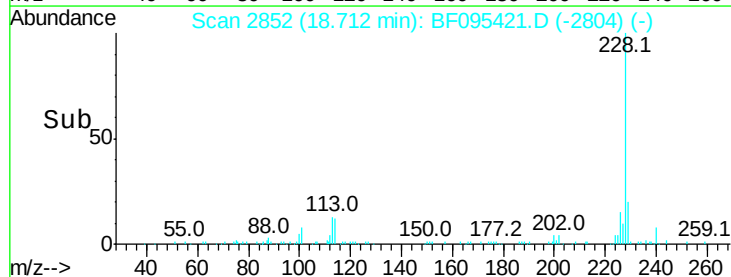
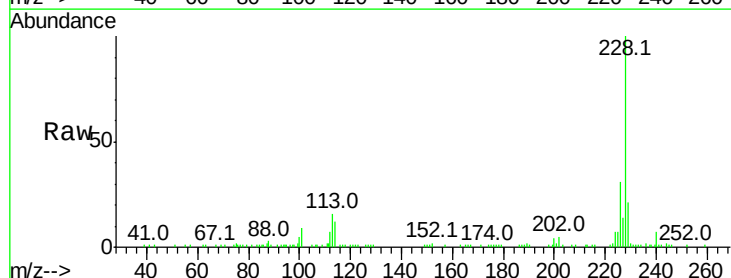
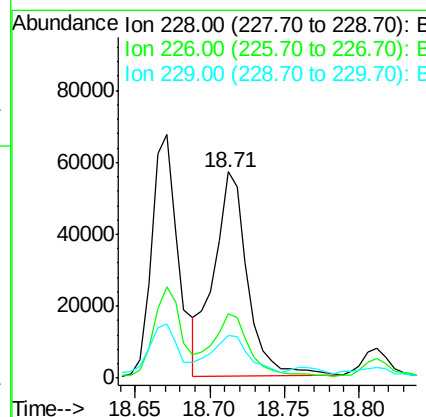
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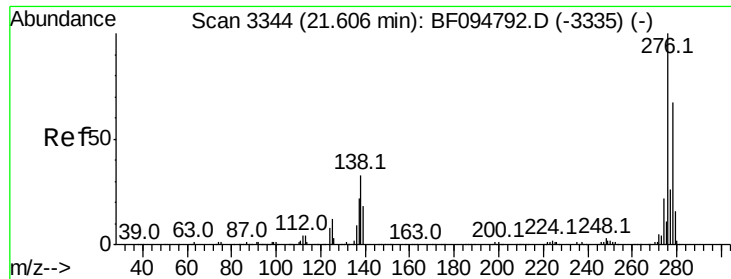
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#82
Chrysene
Concen: 9.73 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	20.9	15.8	23.6





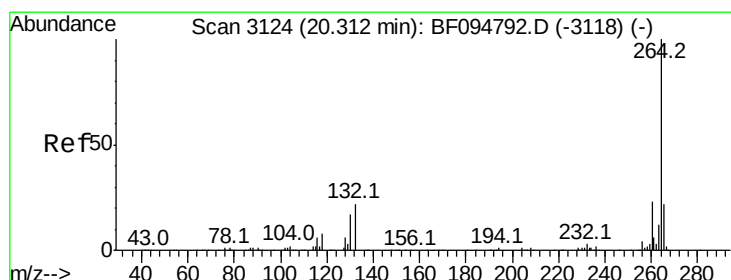
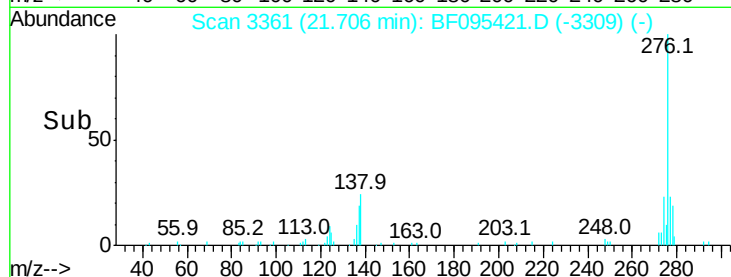
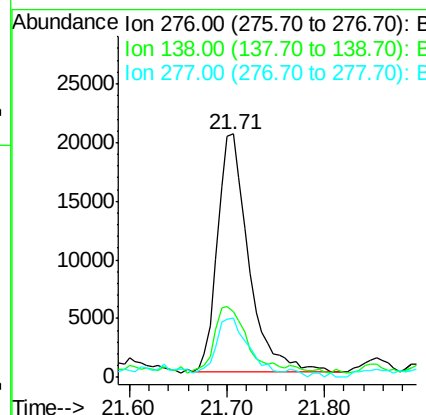
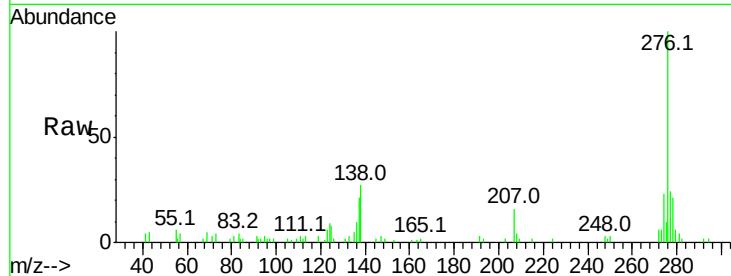
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.95 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	27.8	41.6
277	21.9	20.2	30.4

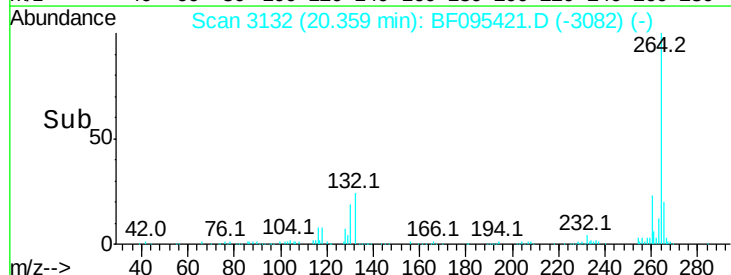
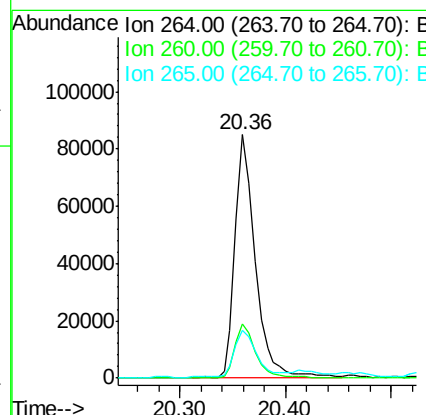
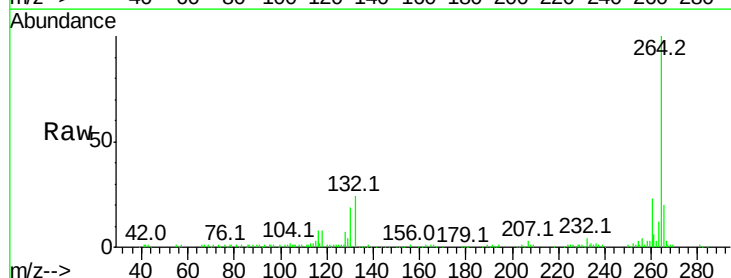
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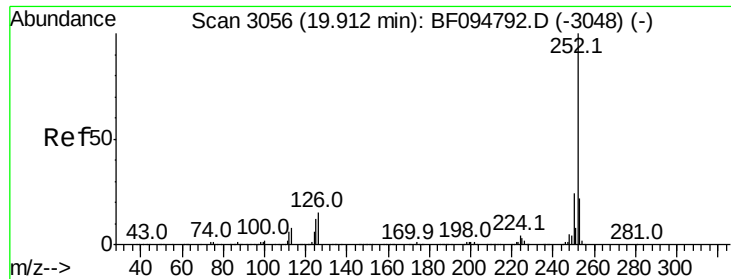
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	19.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 11.88 ng m

RT: 19.95 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

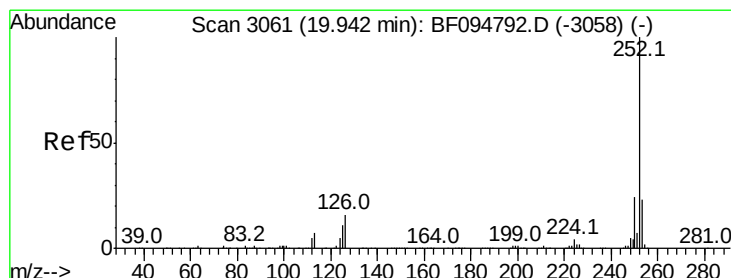
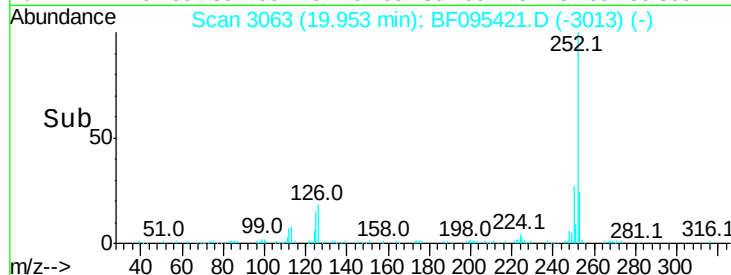
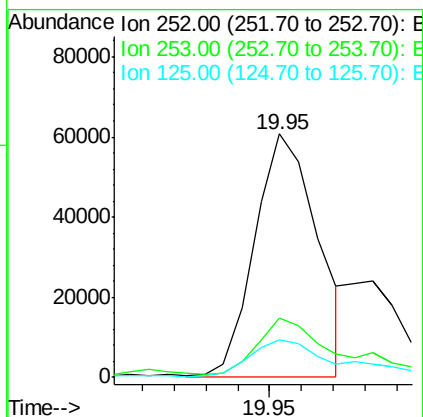
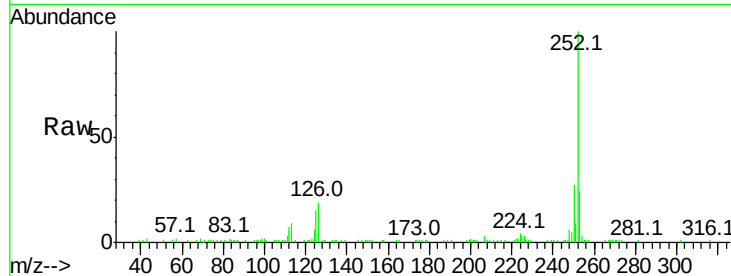
ClientSampleId :

E2-S11-ESW

Tot Ion:	252	Resp:	83730
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.1	27.1
125	15.4	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 4.62 ng m

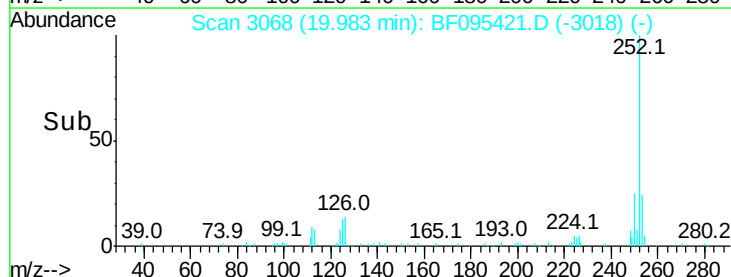
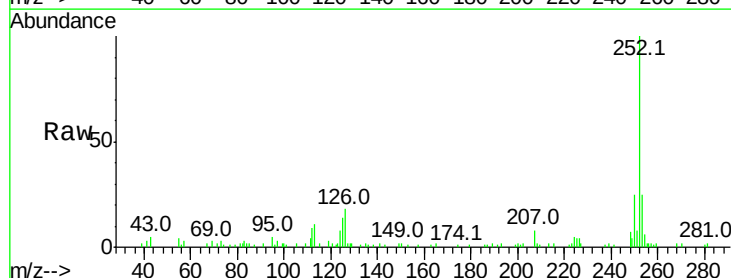
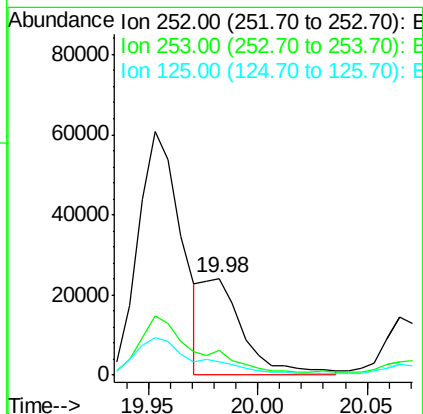
RT: 19.98 min Scan# 3068

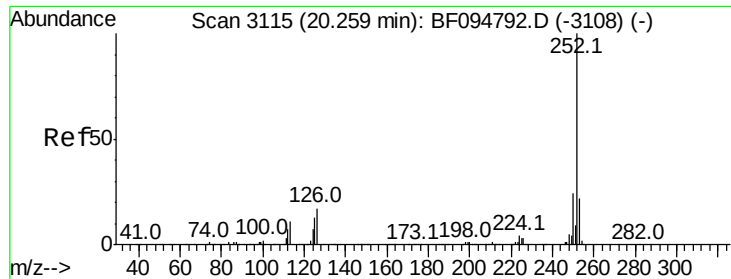
Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Tgt Ion:	252	Resp:	31436
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.4	27.6
125	14.0	13.1	19.7





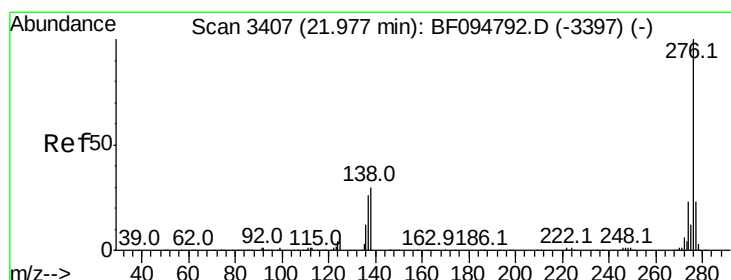
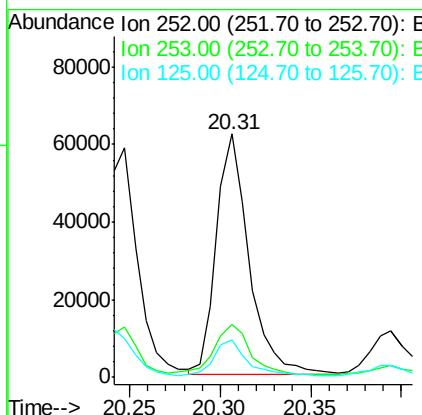
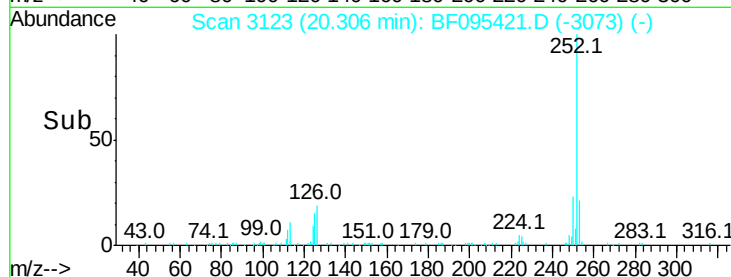
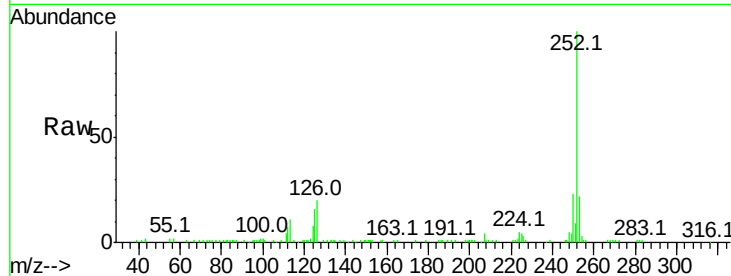
#89
Benzo(a)pyrene
Concen: 11.89 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

Tot Ion:	252	Resp:	77367
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.5	26.3
125	15.5	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 11.92 ng
RT: 22.09 min Scan# 3426
Delta R.T. 0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Tgt Ion:	276	Resp:	62846
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.6	28.0
138	30.9	25.4	38.0

