

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095457.D
 Acq On : 26 May 2017 13:09
 Operator : SJ/MA
 Sample : I3240-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(6.5-8)

Manual Integrations
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 5/30/2017 1:35:54 PM

Quant Time: May 26 16:57:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	104011	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	428294	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	204145	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	355786	20.00	ng	0.00
75) Chrysene-d12	18.67	240	240211	20.00	ng	0.00
86) Perylene-d12	20.35	264	191260	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	746969	119.73	ng	0.00
7) Phenol-d6	7.29	99	910681	121.66	ng	0.00
23) Nitrobenzene-d5	8.64	82	517242	76.15	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	200832	120.12	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	1046205	73.76	ng	0.00
78) Terphenyl-d14	17.32	244	788474	72.30	ng	0.00
Target Compounds						
31) Naphthalene	9.80	128	50244	2.33	ng	99
49) Dimethylphthalate	12.24	163	139883	8.35	ng	98
51) Acenaphthene	12.65	154	92133	7.10	ng	99
54) Dibenzofuran	12.95	168	82521	4.59	ng	95
57) Fluorene	13.49	166	98221	6.29	ng	98
70) Phenanthrene	15.04	178	1223957	59.87	ng	98
71) Anthracene	15.12	178	323927m	15.51	ng	
72) Carbazole	15.41	167	113181	5.96	ng	97
74) Fluoranthene	16.78	202	1308428	62.40	ng	98
77) Pyrene	17.09	202	1149818	64.00	ng	98
80) Benzo(a)anthracene	18.66	228	438451	31.36	ng	96
82) Chrysene	18.71	228	393191	29.09	ng	99
87) Benzo(b)fluoranthene	19.94	252	358318m	30.32	ng	
88) Benzo(k)fluoranthene	19.97	252	144597m	12.68	ng	
89) Benzo(a)pyrene	20.29	252	275123	25.23	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	39455m	4.38	ng	
91) Benzo(g,h,i)perylene	22.07	276	159755	18.08	ng	98

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

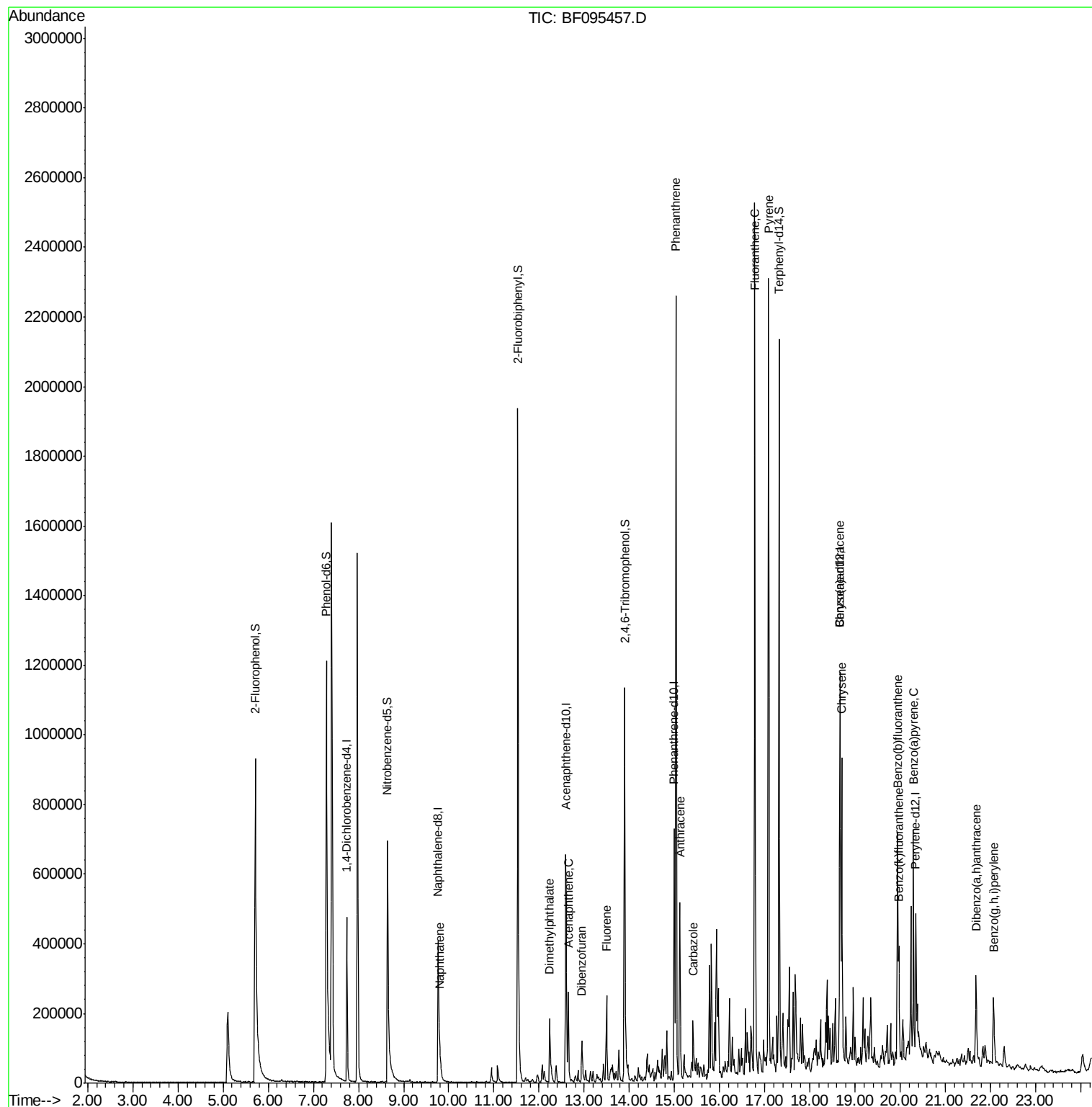
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.74 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Instrument :

BNA_F

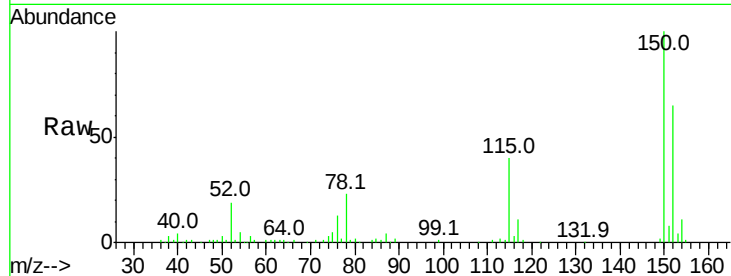
ClientSampleId :

EP2-WC6(6.5-8)

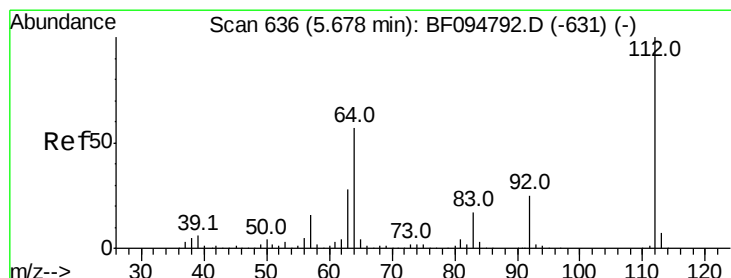
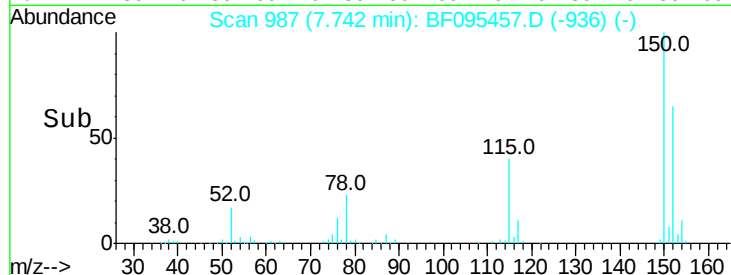
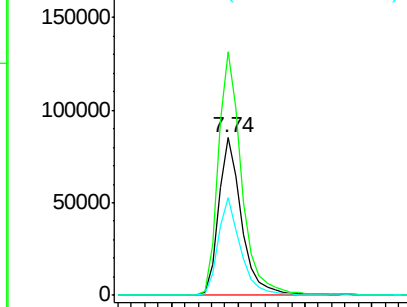
Tot Ion:	152	Resp:	104011
Ion Ratio	Lower	Upper	
152	100		
150	154.5	126.2	189.2
115	61.9	52.2	78.2

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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: 119.73 ng

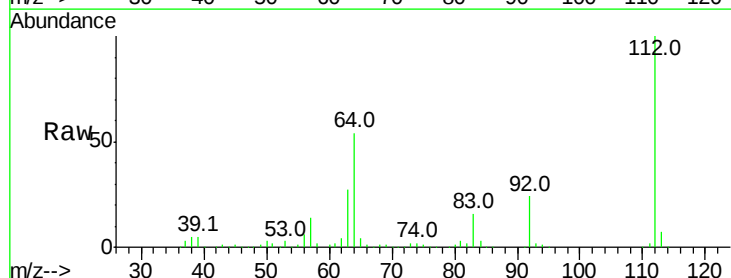
RT: 5.71 min Scan# 642

Delta R.T. 0.01 min

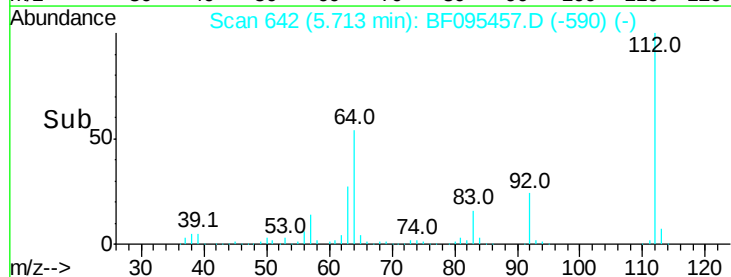
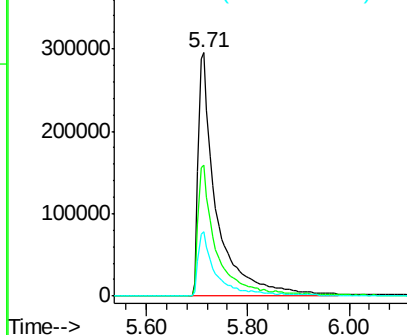
Lab File: BF095457.D

Acq: 26 May 2017 13:09

Tgt Ion:	112	Resp:	746969
Ion Ratio	Lower	Upper	
112	100		
64	53.6	46.0	69.0
63	26.6	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: 121.66 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Instrument :

BNA_F

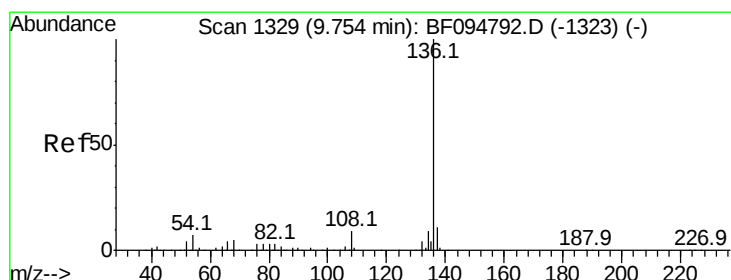
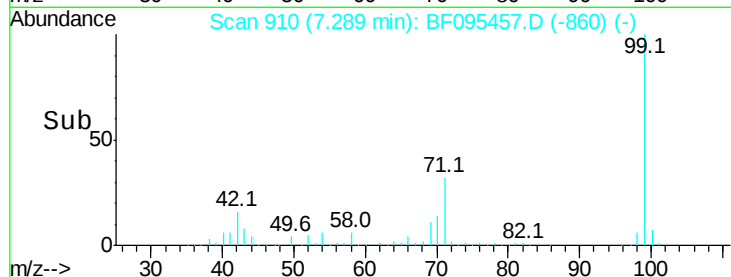
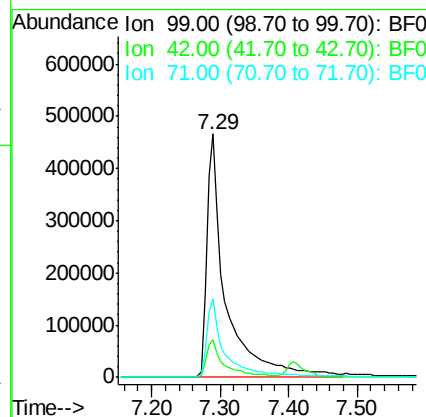
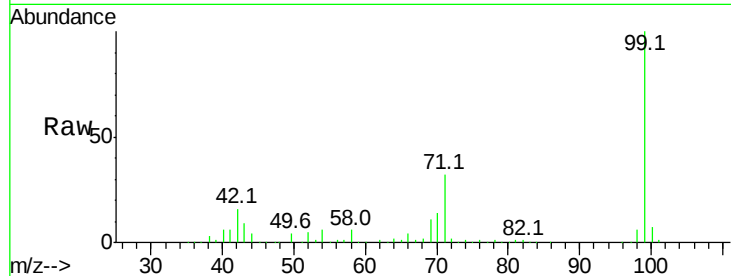
ClientSampleId :

EP2-WC6(6.5-8)

Tot Ion:	99	Resp:	910681
Ion Ratio	Lower	Upper	
99	100		
42	15.7	13.5	20.3
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

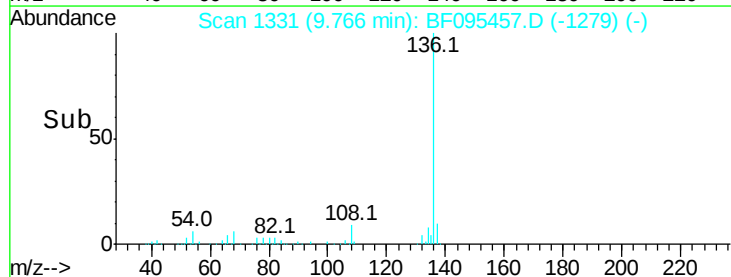
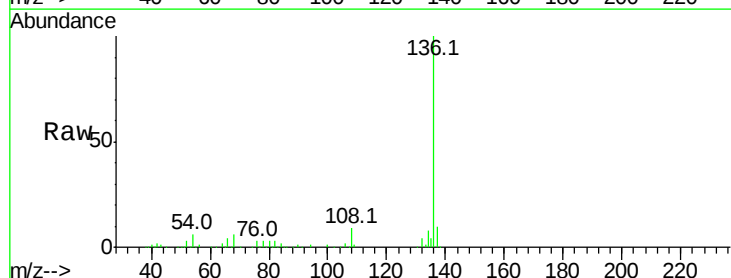
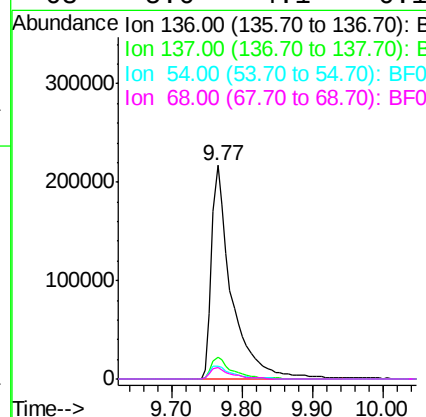
RT: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Tgt Ion:	136	Resp:	428294
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.5	12.7
54	6.2	4.9	7.3
68	5.6	4.1	6.1





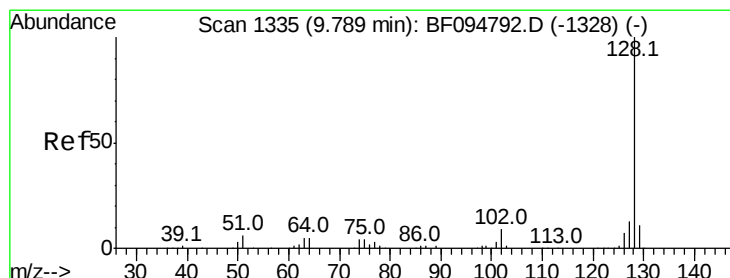
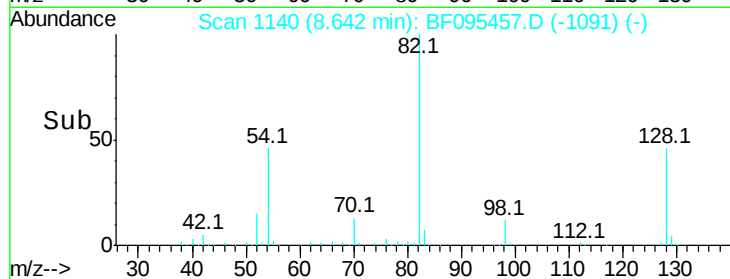
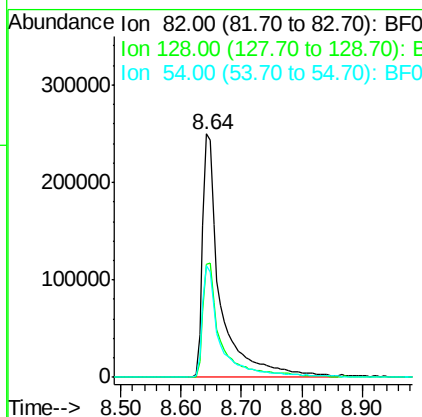
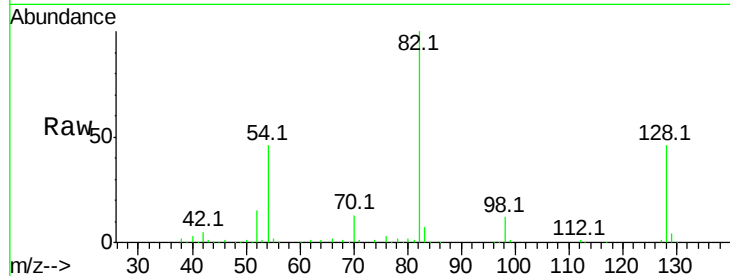
#23
Nitrobenzene-d5
Concen: 76.15 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(6.5-8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	46.0	42.2	63.2

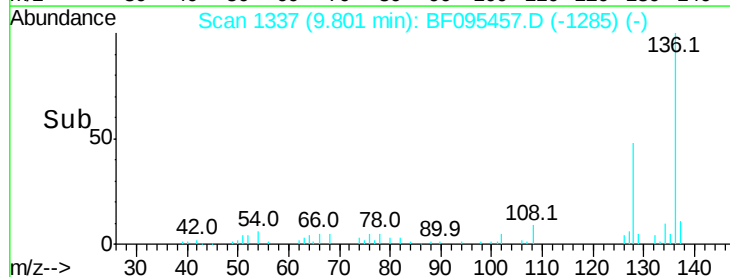
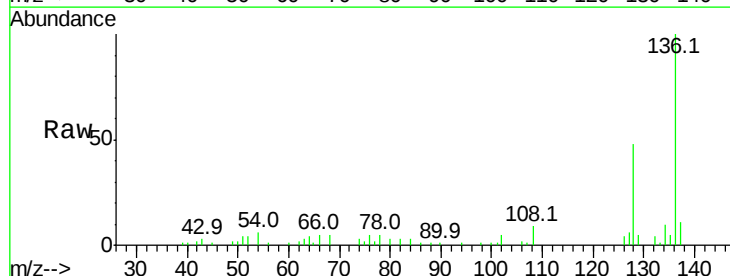
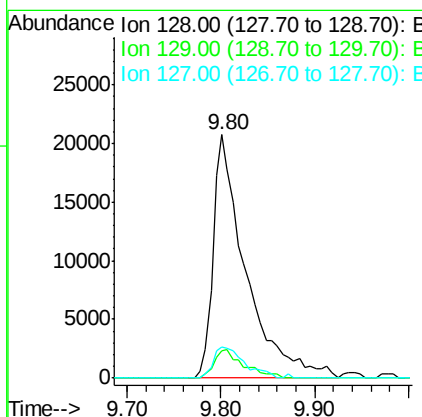
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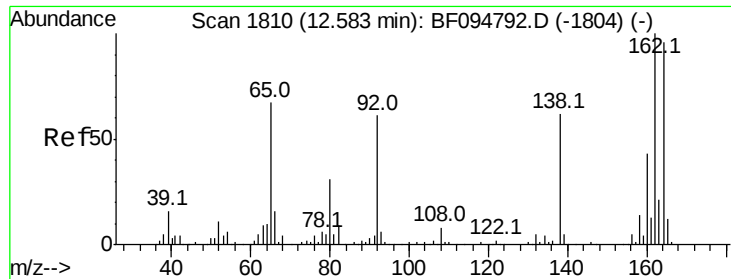
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#31
Naphthalene
Concen: 2.33 ng
RT: 9.80 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	12.8	10.8	16.2





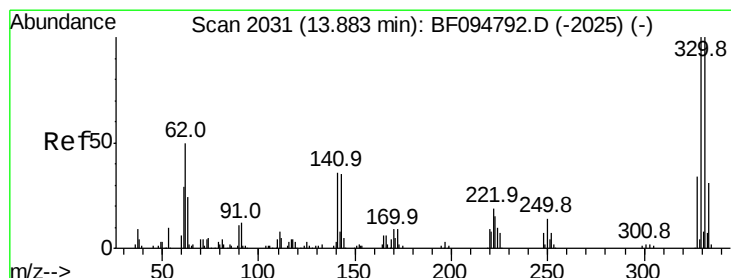
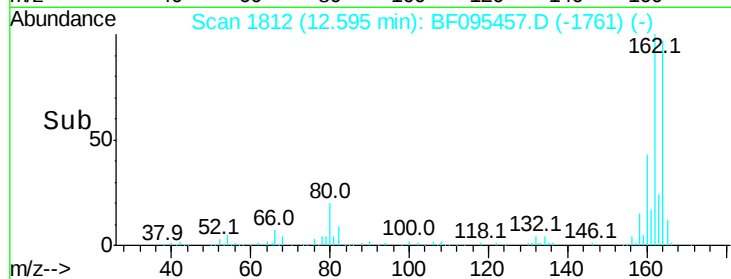
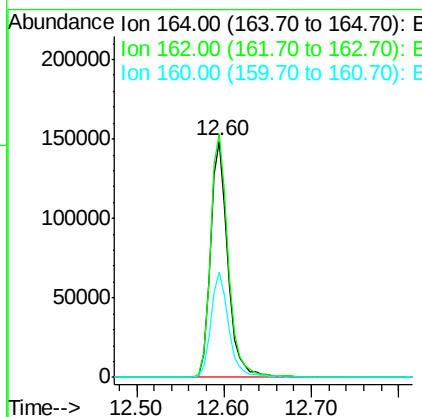
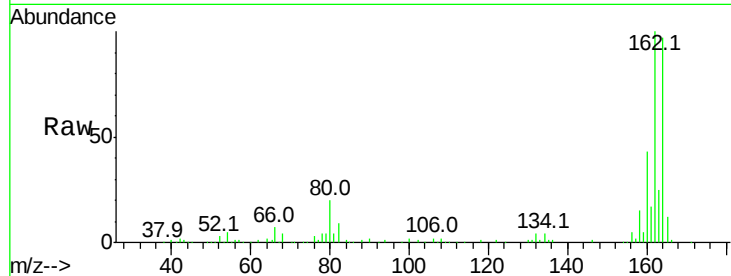
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(6.5-8)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	44.4	36.2	54.2

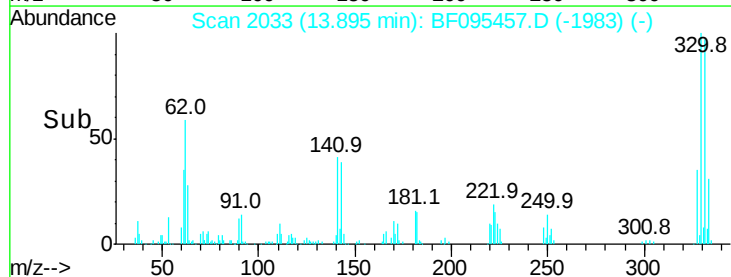
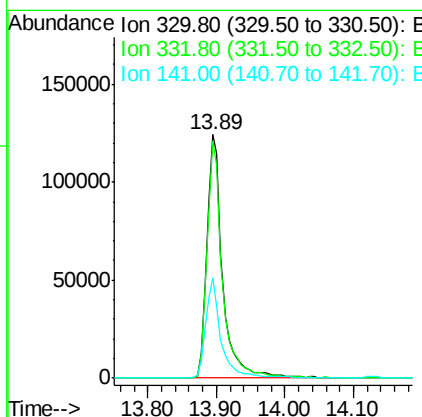
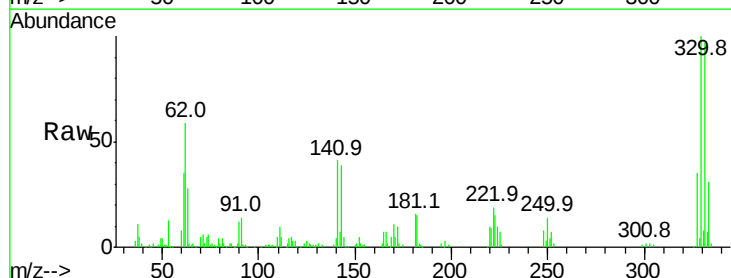
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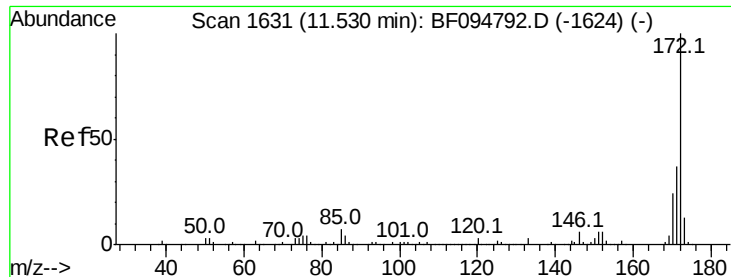
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#41
2,4,6-Tribromophenol
Concen: 120.12 ng
RT: 13.89 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	40.4	31.4	47.2





#44

2-Fluorobiphenyl

Concen: 73.76 ng

RT: 11.53 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Instrument :

BNA_F

ClientSampleId :

EP2-WC6(6.5-8)

Tot Ion:172 Resp: 1046205

Ion Ratio Lower Upper

172 100

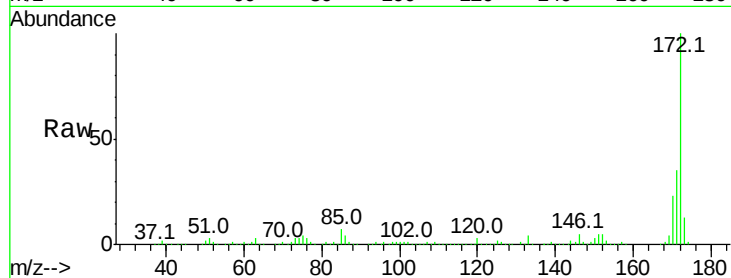
171 35.3 29.6 44.4

170 22.8 19.8 29.8

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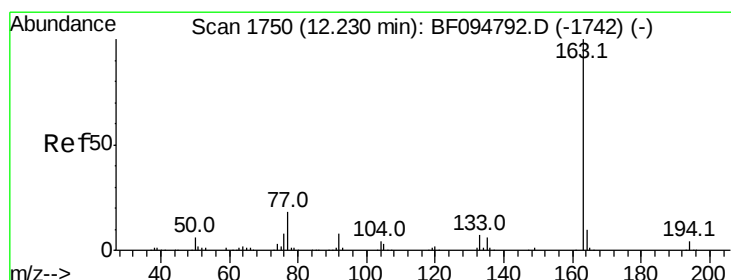
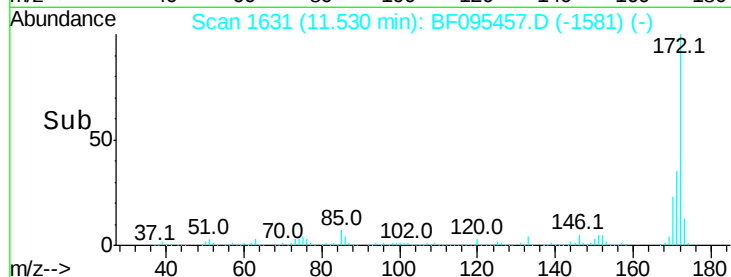
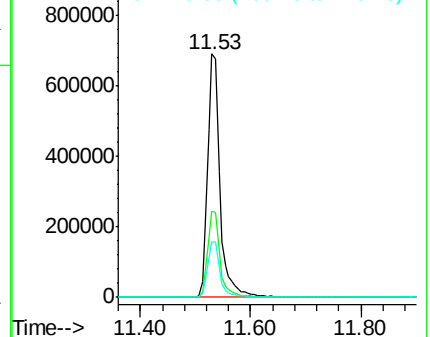
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 8.35 ng

RT: 12.24 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

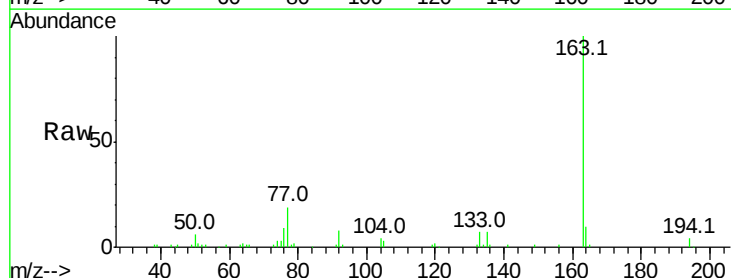
Tgt Ion:163 Resp: 139883

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

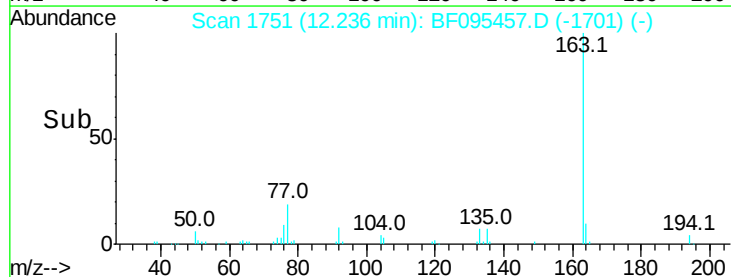
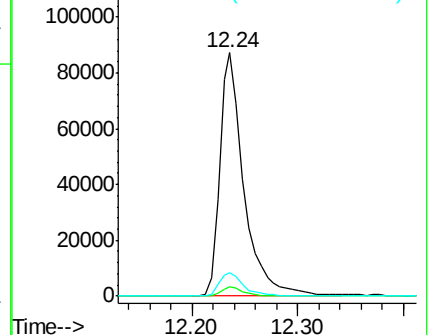
164 9.9 8.4 12.6

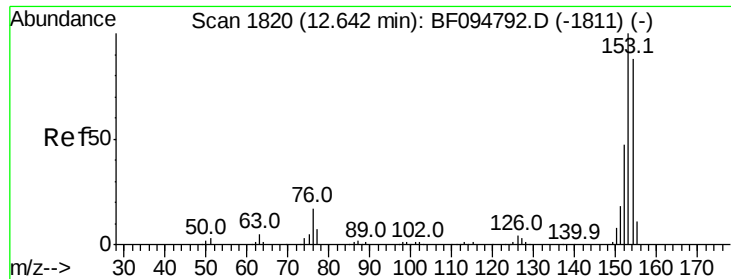


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





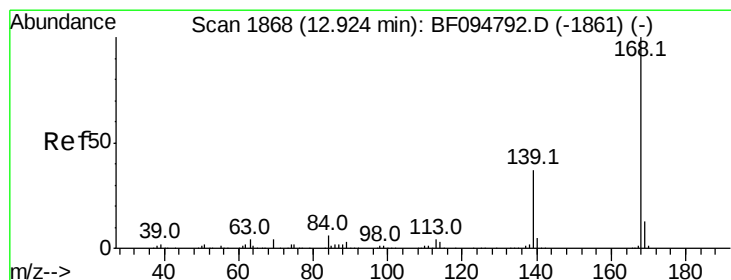
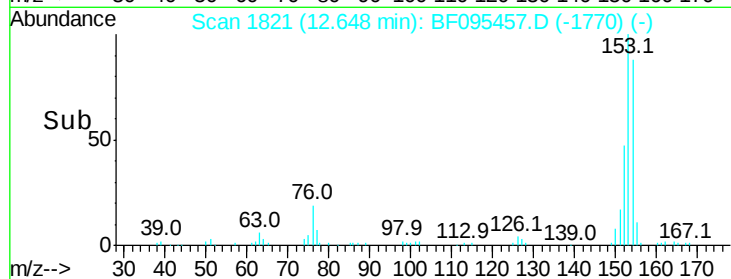
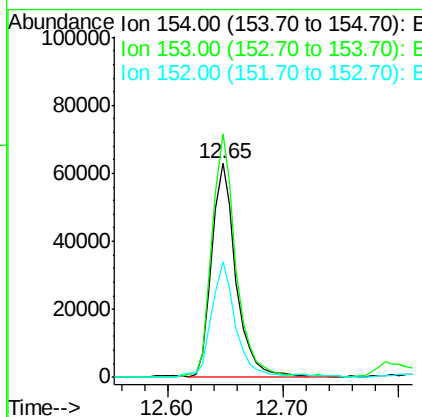
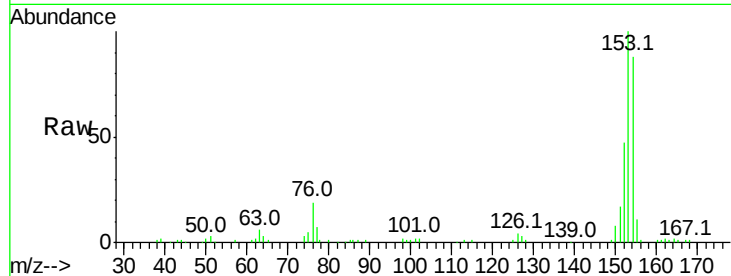
#51
Acenaphthene
Concen: 7.10 ng
RT: 12.65 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(6.5-8)

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.5	135.7
152	53.7	43.6	65.4

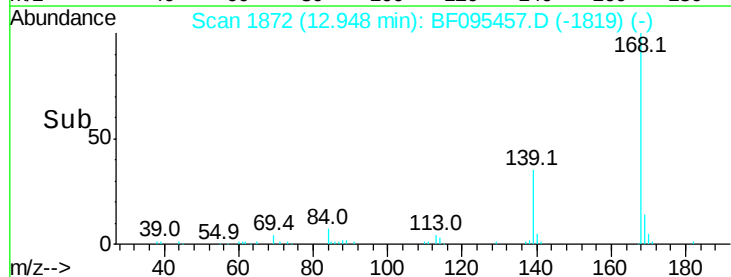
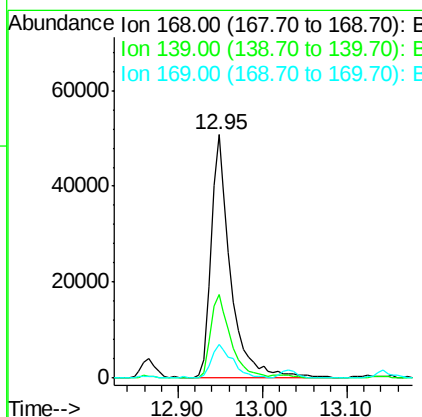
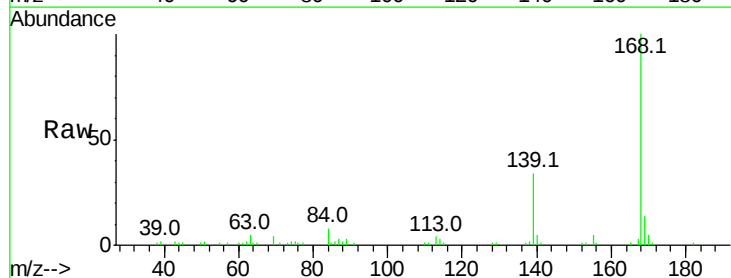
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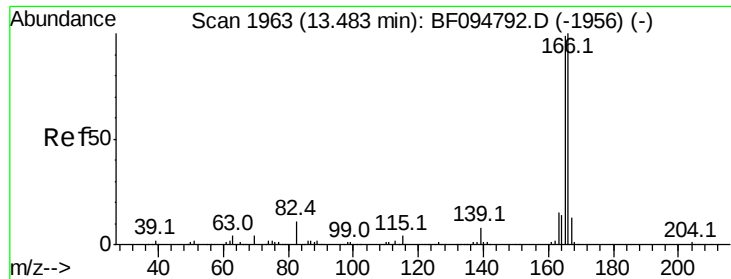
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#54
Dibenzofuran
Concen: 4.59 ng
RT: 12.95 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.2	30.6	45.8
169	13.9	10.8	16.2





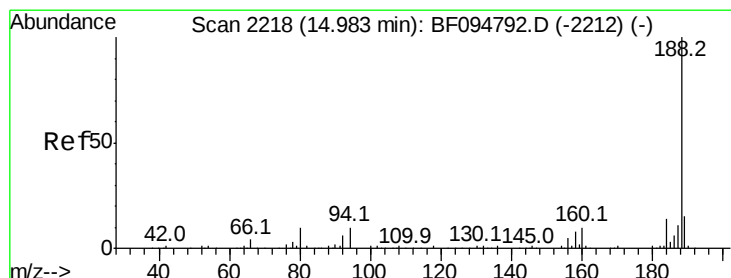
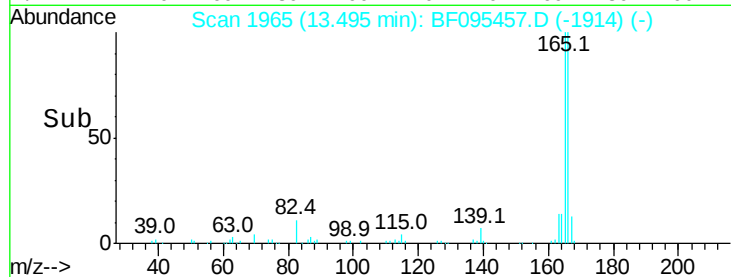
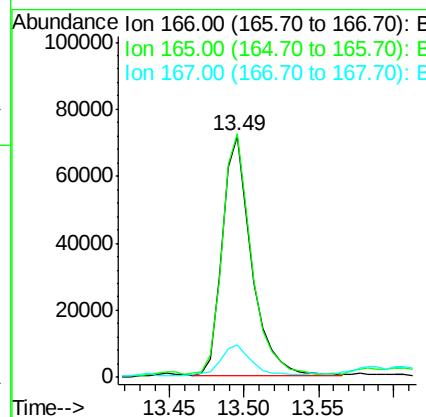
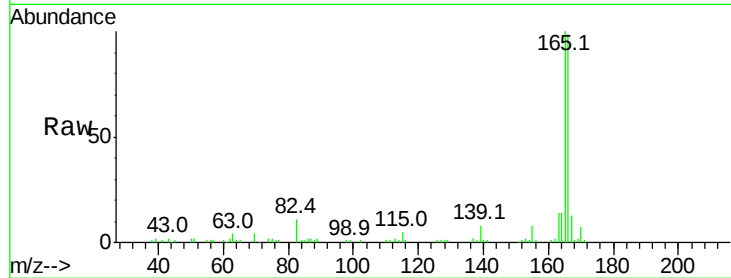
#57
Fluorene
 Concen: 6.29 ng
 RT: 13.49 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: BF095457.D
 Acq: 26 May 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(6.5-8)

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.8	118.2
167	13.3	10.6	16.0

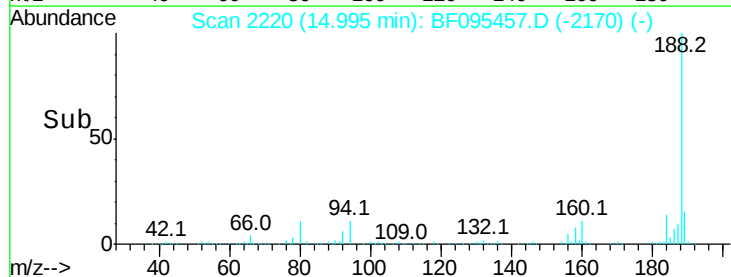
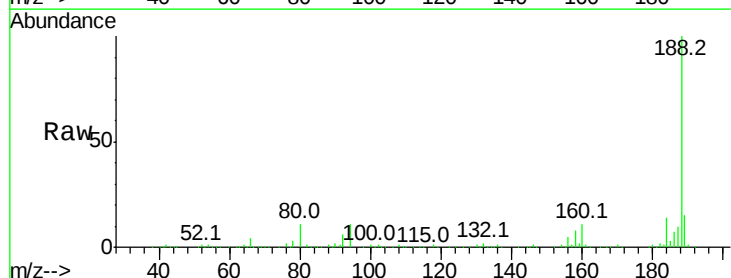
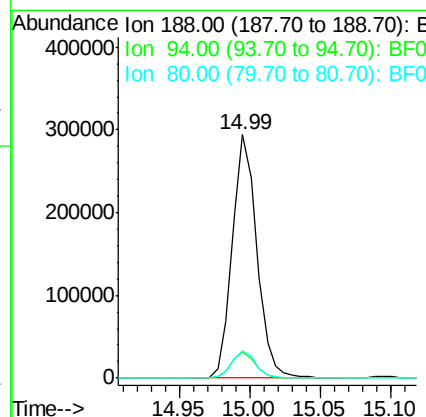
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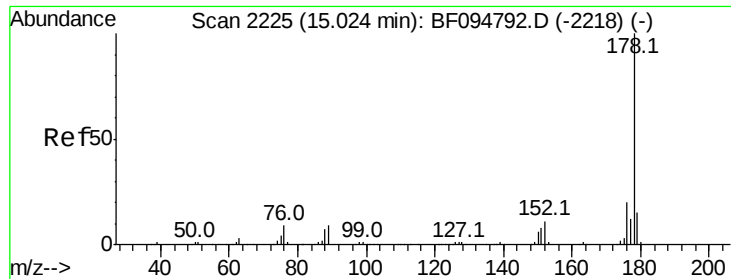
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BF095457.D
 Acq: 26 May 2017 13:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.5	10.2	15.2





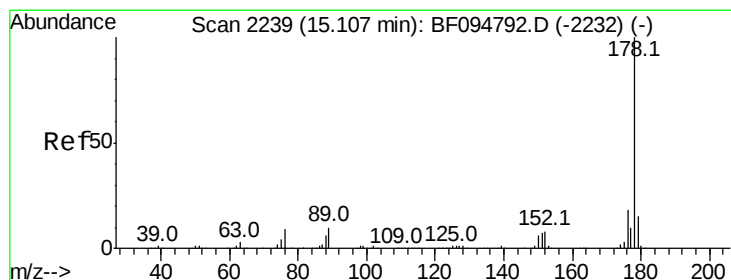
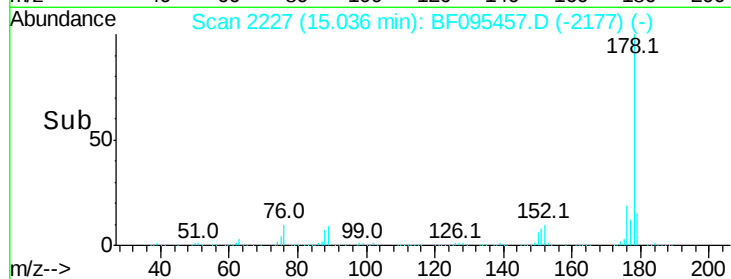
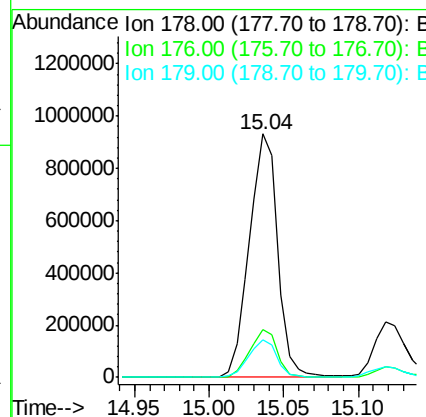
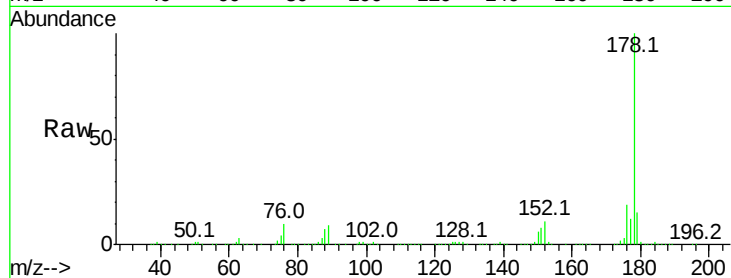
#70
Phenanthrene
Concen: 59.87 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(6.5-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.4	12.6	19.0

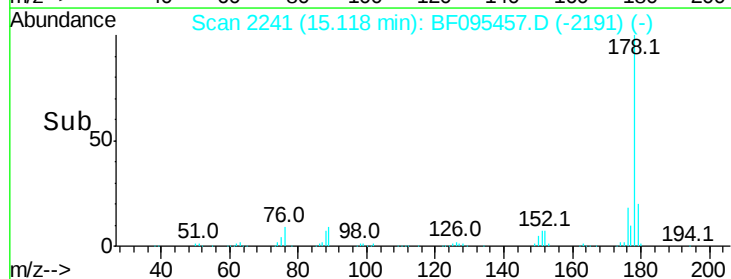
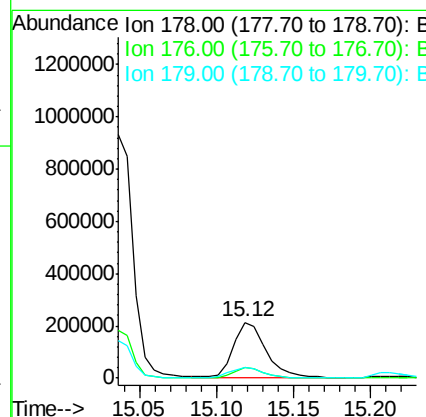
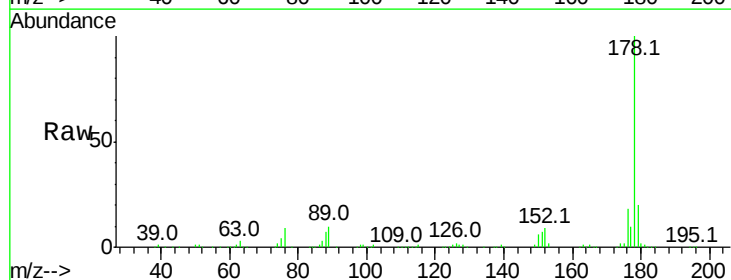
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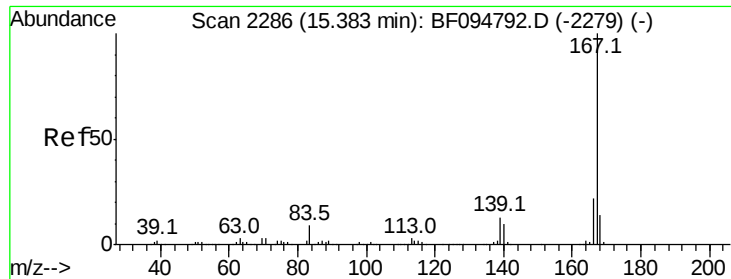
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#71
Anthracene
Concen: 15.51 ng m
RT: 15.12 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	19.8	12.7	19.1#





#72

Carbazole

Concen: 5.96 ng

RT: 15.41 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Instrument :

BNA_F

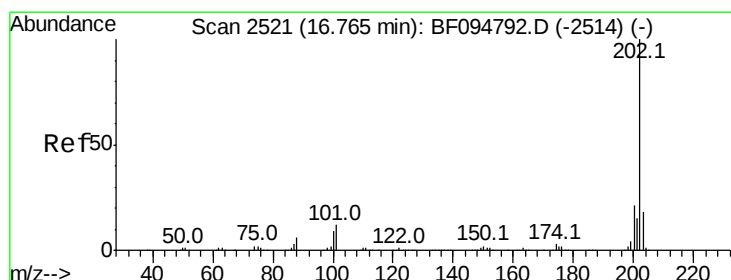
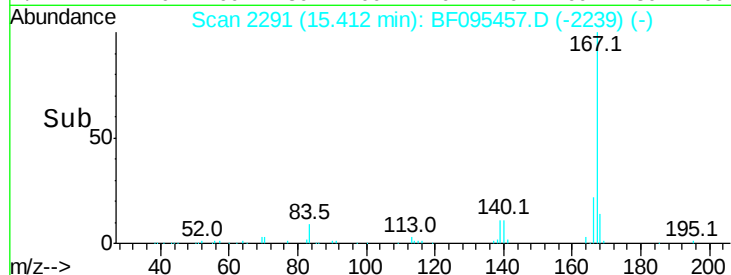
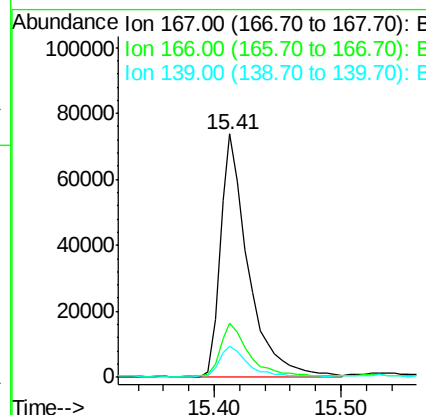
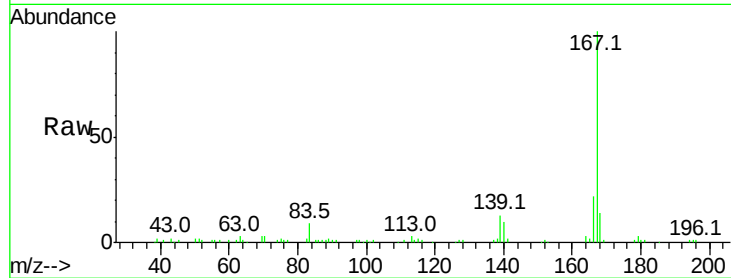
ClientSampleId :

EP2-WC6(6.5-8)

Tot Ion:	167	Resp:	113181
Ion Ratio	Lower	Upper	
167	100		
166	22.0	18.1	27.1
139	12.7	11.7	17.5

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#74

Fluoranthene

Concen: 62.40 ng

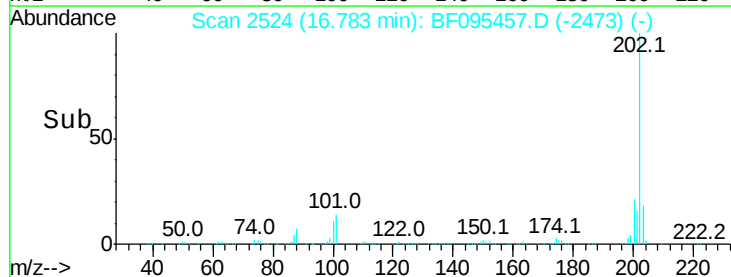
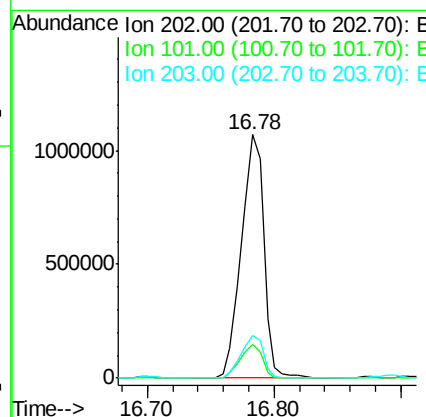
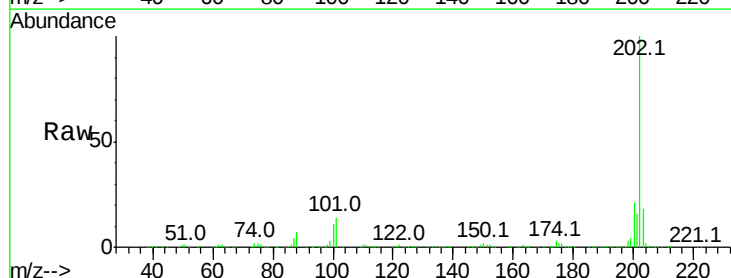
RT: 16.78 min Scan# 2524

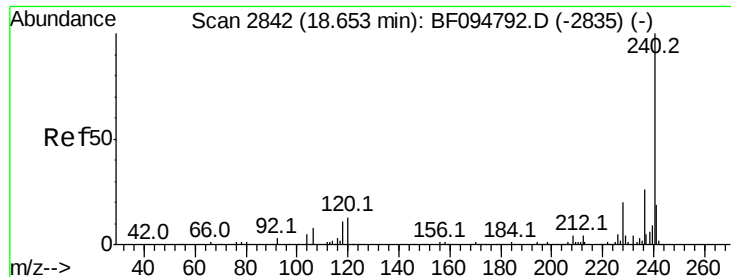
Delta R.T. 0.00 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Tgt Ion:	202	Resp:	1308428
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	33.2
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Instrument :

BNA_F

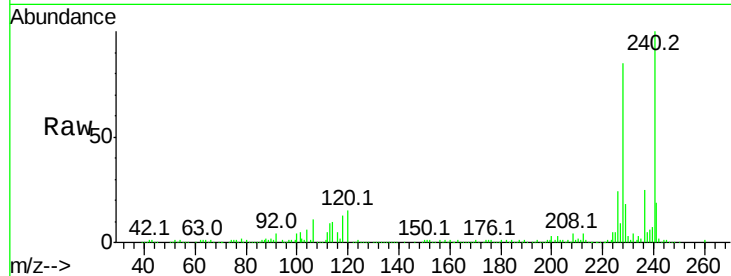
ClientSampleId :

EP2-WC6(6.5-8)

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	24.7	20.5	30.7

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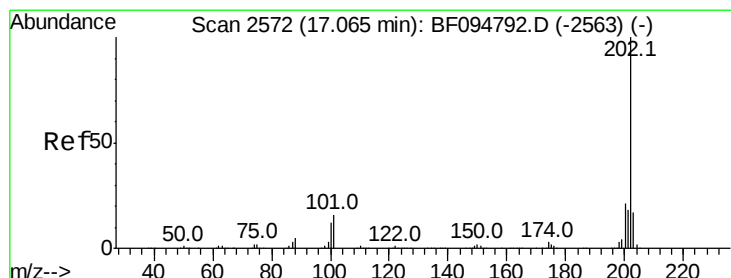
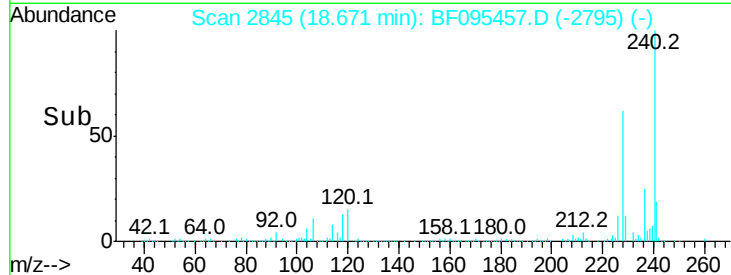
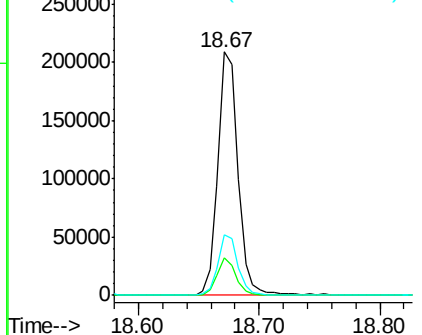
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 64.00 ng

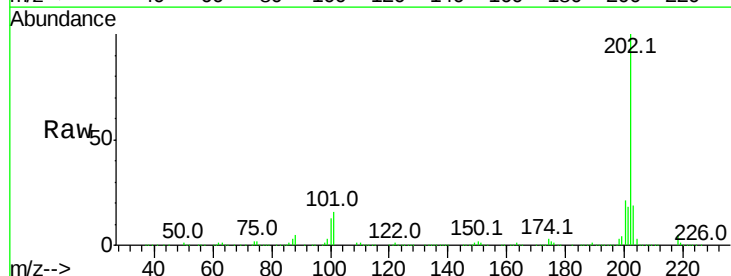
RT: 17.09 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

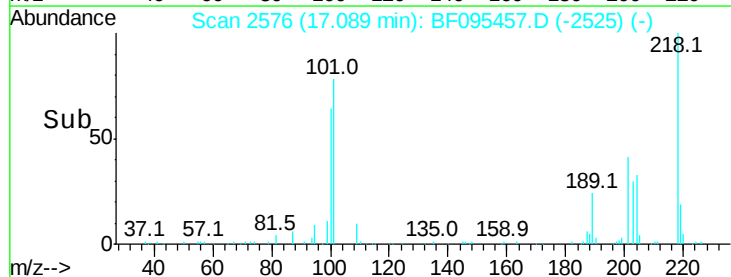
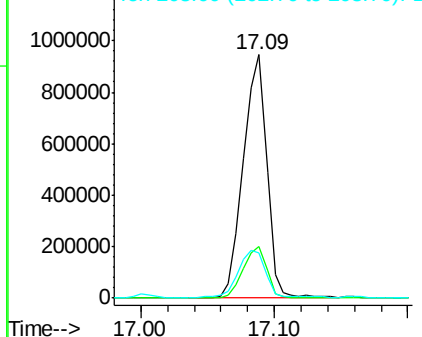
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.8	14.4	21.6

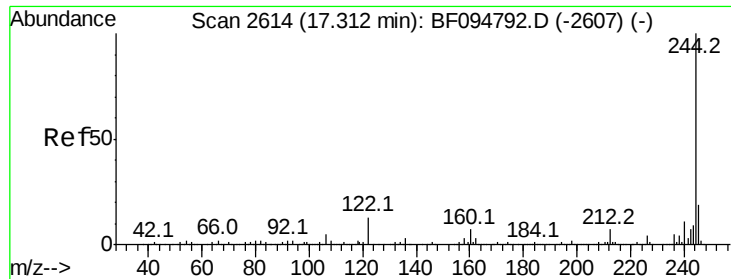


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.30 ng

RT: 17.32 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Instrument :

BNA_F

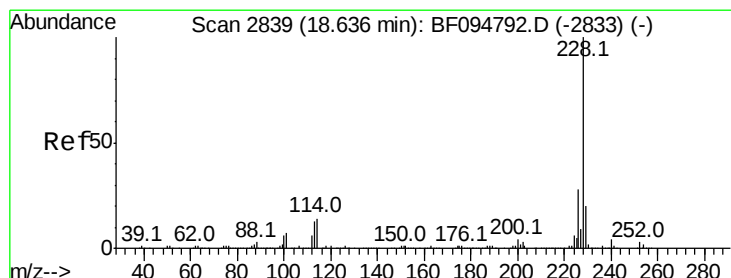
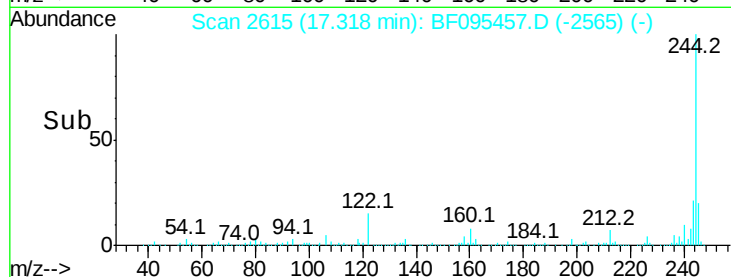
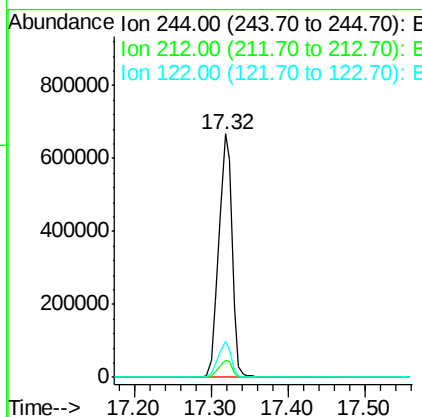
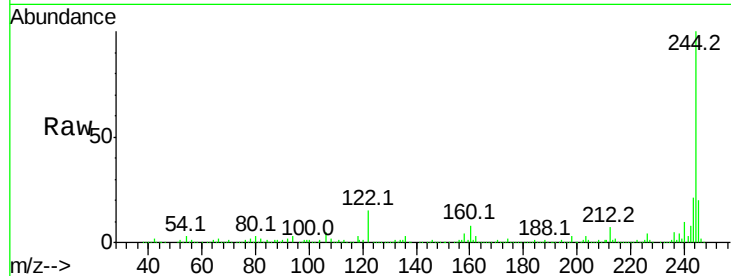
ClientSampleId :

EP2-WC6(6.5-8)

Tot Ion:	244	Resp:	788474
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	15.0	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 31.36 ng

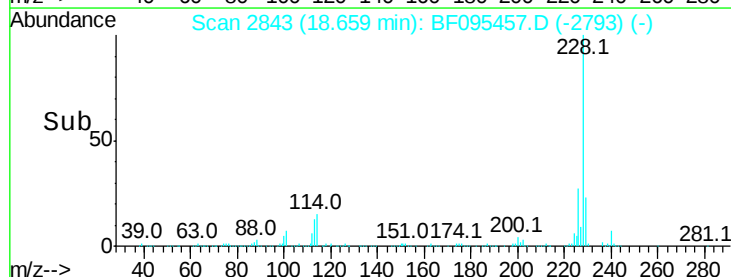
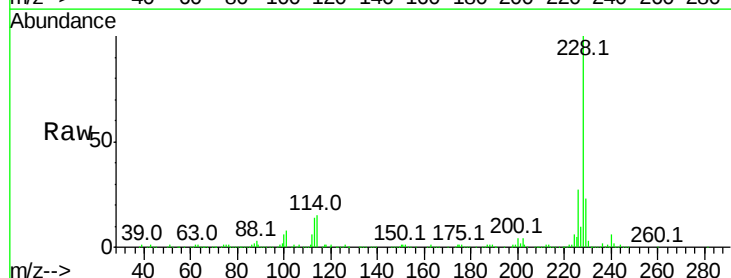
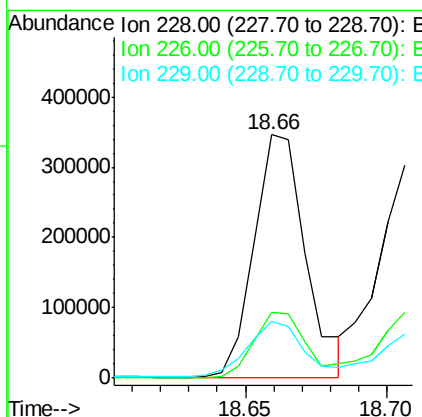
RT: 18.66 min Scan# 2843

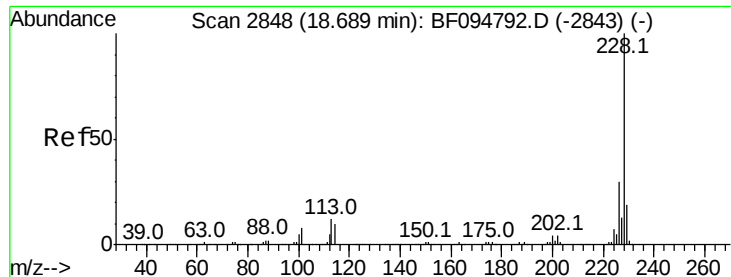
Delta R.T. -0.01 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Tgt Ion:	228	Resp:	438451
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.6	33.8
229	23.4	16.3	24.5





#82

Chrysene

Concen: 29.09 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Instrument :

BNA_F

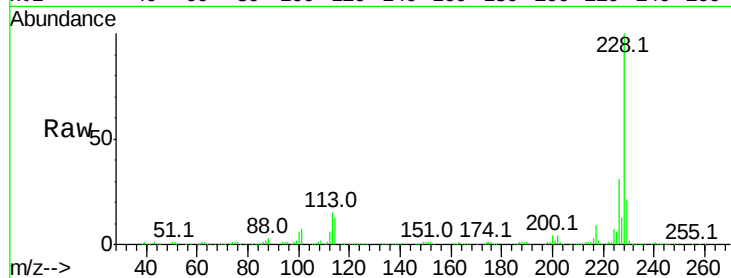
ClientSampleId :

EP2-WC6(6.5-8)

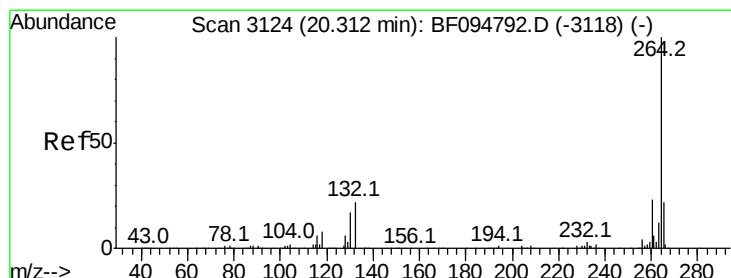
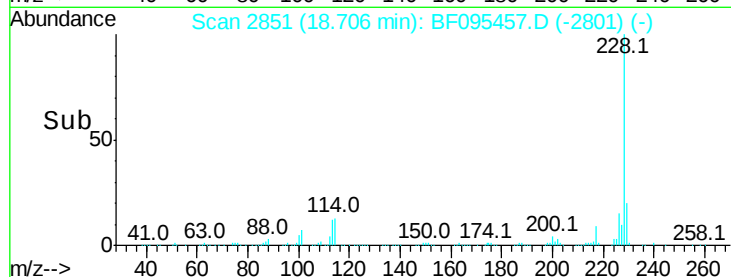
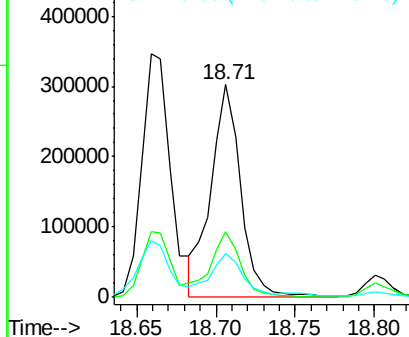
Tot Ion:	228	Resp:	393191
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	20.7	15.8	23.6

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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



#86

Perylene-d12

Concen: 20.00 ng

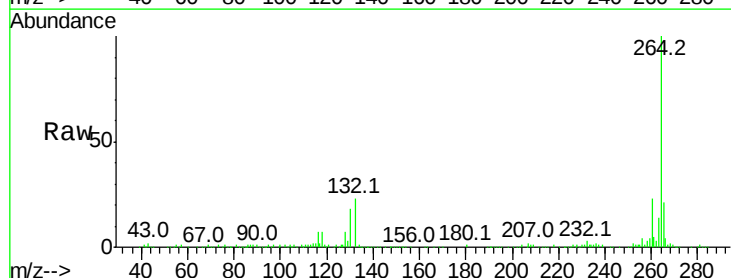
RT: 20.35 min Scan# 3131

Delta R.T. 0.00 min

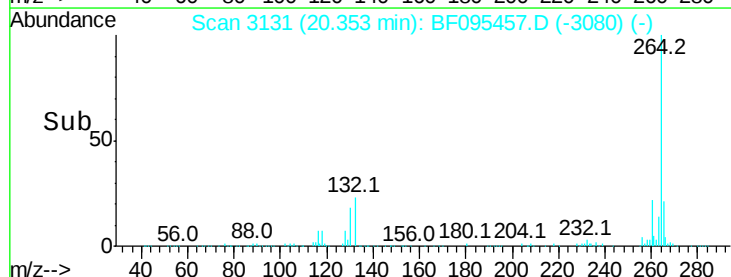
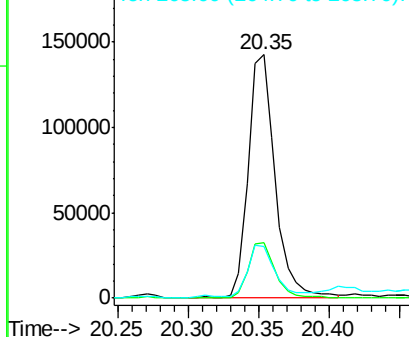
Lab File: BF095457.D

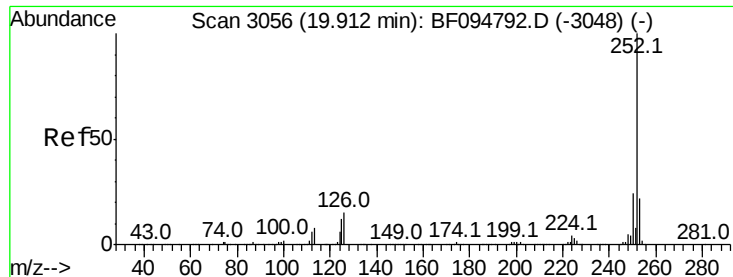
Acq: 26 May 2017 13:09

Tgt Ion:	264	Resp:	191260
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.5	29.3
265	20.9	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 30.32 ng m

RT: 19.94 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Instrument :

BNA_F

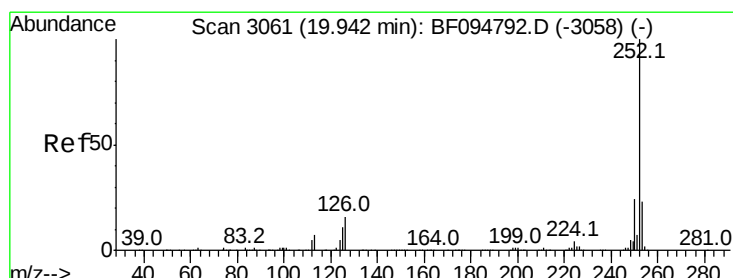
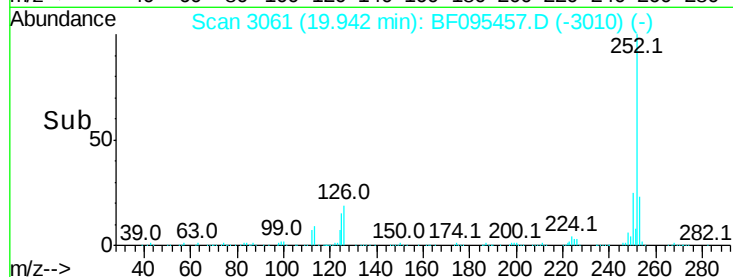
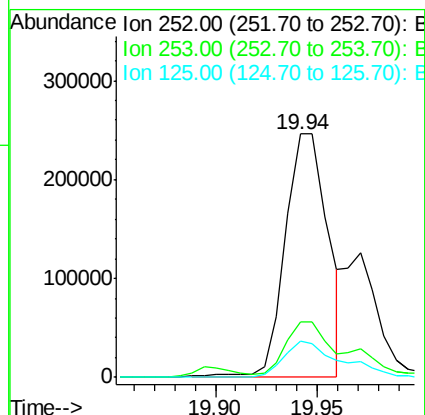
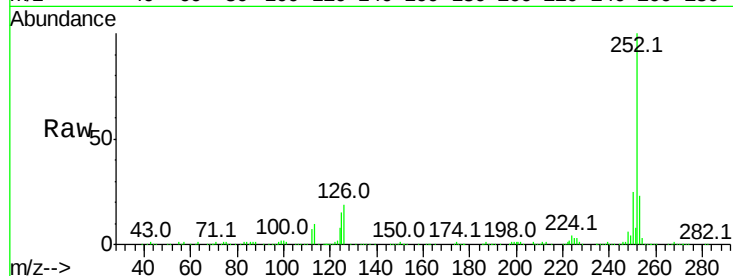
ClientSampleId :

EP2-WC6(6.5-8)

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.8	18.1	27.1	
125	14.8	9.8	14.8	

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#88

Benzo(k)fluoranthene

Concen: 12.68 ng m

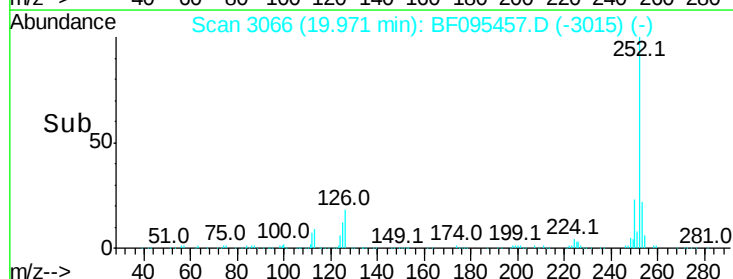
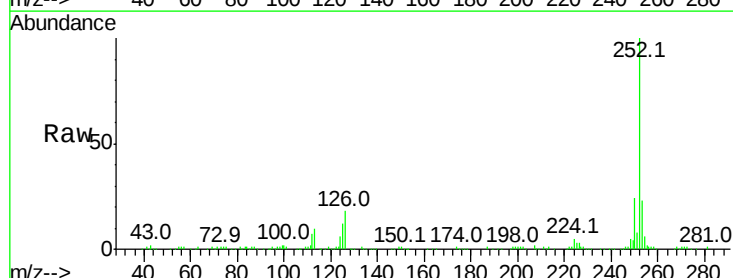
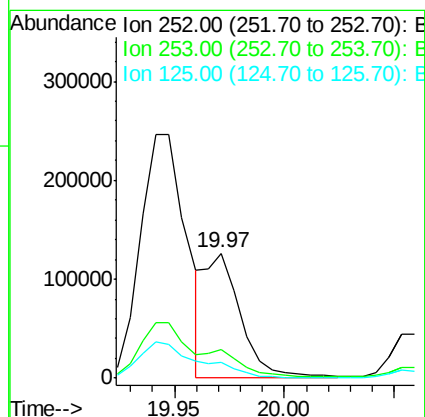
RT: 19.97 min Scan# 3066

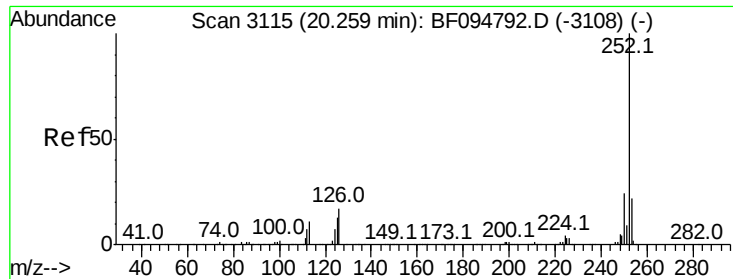
Delta R.T. 0.00 min

Lab File: BF095457.D

Acq: 26 May 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.6	18.4	27.6	
125	12.3	13.1	19.7	





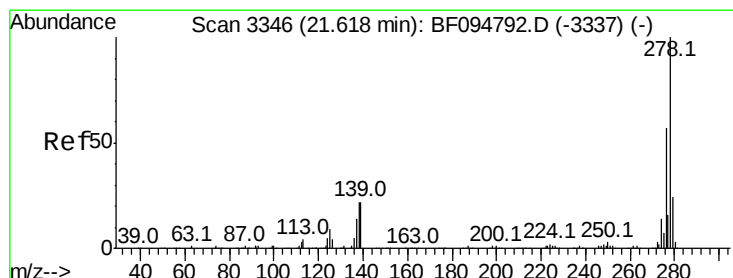
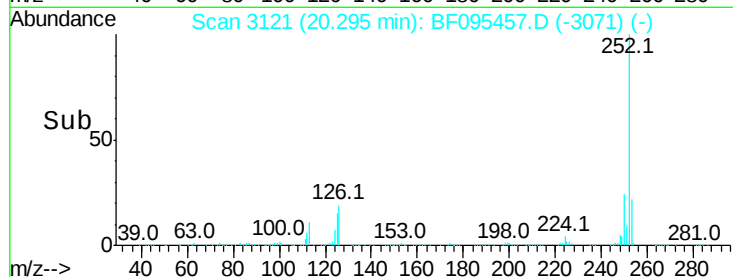
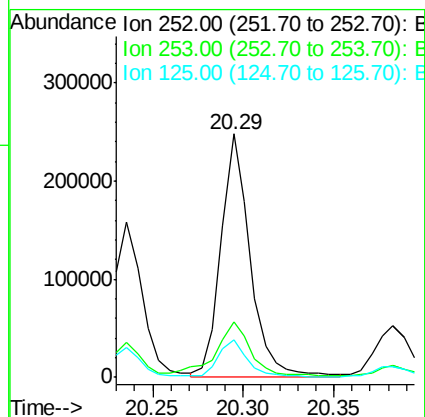
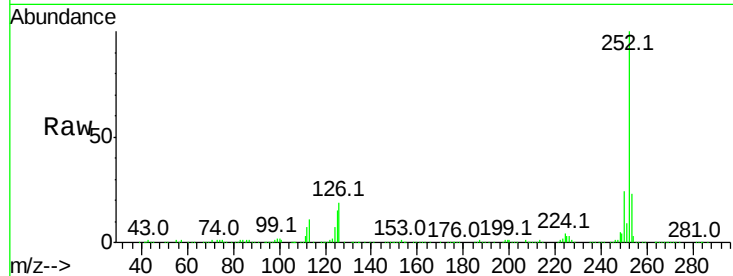
#89
Benzo(a)pyrene
Concen: 25.23 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(6.5-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.5	11.0	16.4

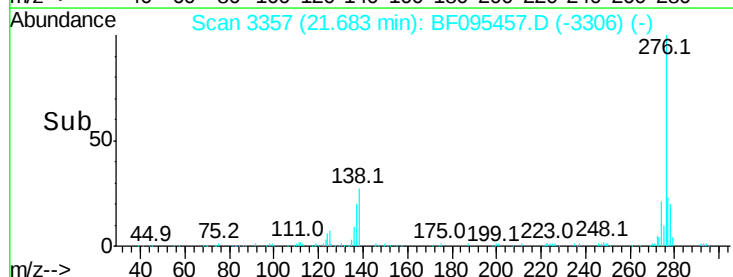
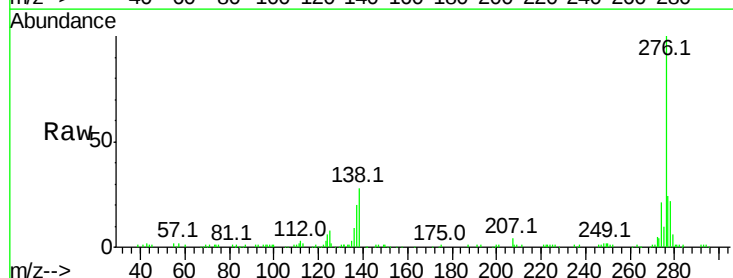
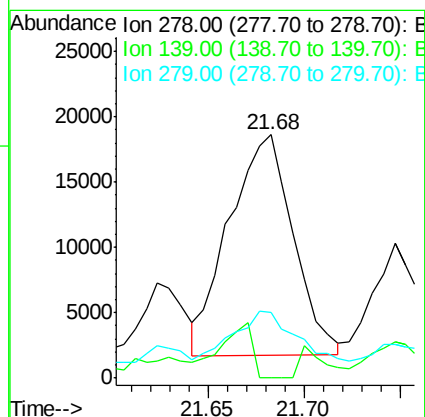
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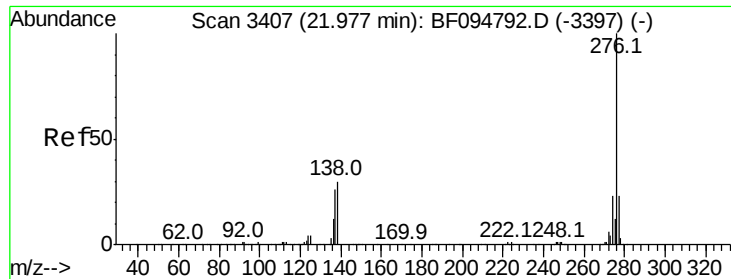
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#90
Dibenzo(a,h)anthracene
Concen: 4.38 ng m
RT: 21.68 min Scan# 3357
Delta R.T. 0.00 min
Lab File: BF095457.D
Acq: 26 May 2017 13:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	27.2	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 18.08 ng
 RT: 22.07 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: BF095457.D
 Acq: 26 May 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(6.5-8)

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	25.1	18.6	28.0	
138	32.2	25.4	38.0	

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