

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095460.D
 Acq On : 26 May 2017 14:46
 Operator : SJ/MA
 Sample : I3241-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC11(0-2)

Manual Integrations
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mohammad
 5/30/2017 1:36:02 PM

Quant Time: May 26 17:16:02 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	99994	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	406725	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	174985	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	268229	20.00	ng	0.00
75) Chrysene-d12	18.68	240	203006	20.00	ng	0.00
86) Perylene-d12	20.35	264	168118	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	619680	103.32	ng	0.00
7) Phenol-d6	7.29	99	756867	105.17	ng	0.00
23) Nitrobenzene-d5	8.64	82	435101	67.46	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	126362	88.18	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	817266	67.22	ng	0.00
78) Terphenyl-d14	17.32	244	463837	50.33	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.23	163	103655	7.22	ng	98
51) Acenaphthene	12.65	154	74887	6.73	ng	98
54) Dibenzofuran	12.94	168	33039	2.15	ng	96
57) Fluorene	13.49	166	75129	5.61	ng	98
70) Phenanthrene	15.04	178	1165463	75.62	ng	99
71) Anthracene	15.12	178	260725	16.56	ng	97
72) Carbazole	15.41	167	35720	2.49	ng	98
74) Fluoranthene	16.78	202	971315	61.44	ng	99
77) Pyrene	17.09	202	1098212	72.33	ng	99
80) Benzo(a)anthracene	18.67	228	446535	37.79	ng	98
82) Chrysene	18.71	228	447713	39.19	ng	99
85) Indeno(1,2,3-cd)pyrene	21.69	276	121957	13.15	ng	92
87) Benzo(b)fluoranthene	19.95	252	368795m	35.50	ng	
88) Benzo(k)fluoranthene	19.97	252	118857m	11.86	ng	
89) Benzo(a)pyrene	20.30	252	278390	29.04	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	36469	4.61	ng	# 78
91) Benzo(a,h,i)perylene	22.08	276	123205	15.86	ng	97

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

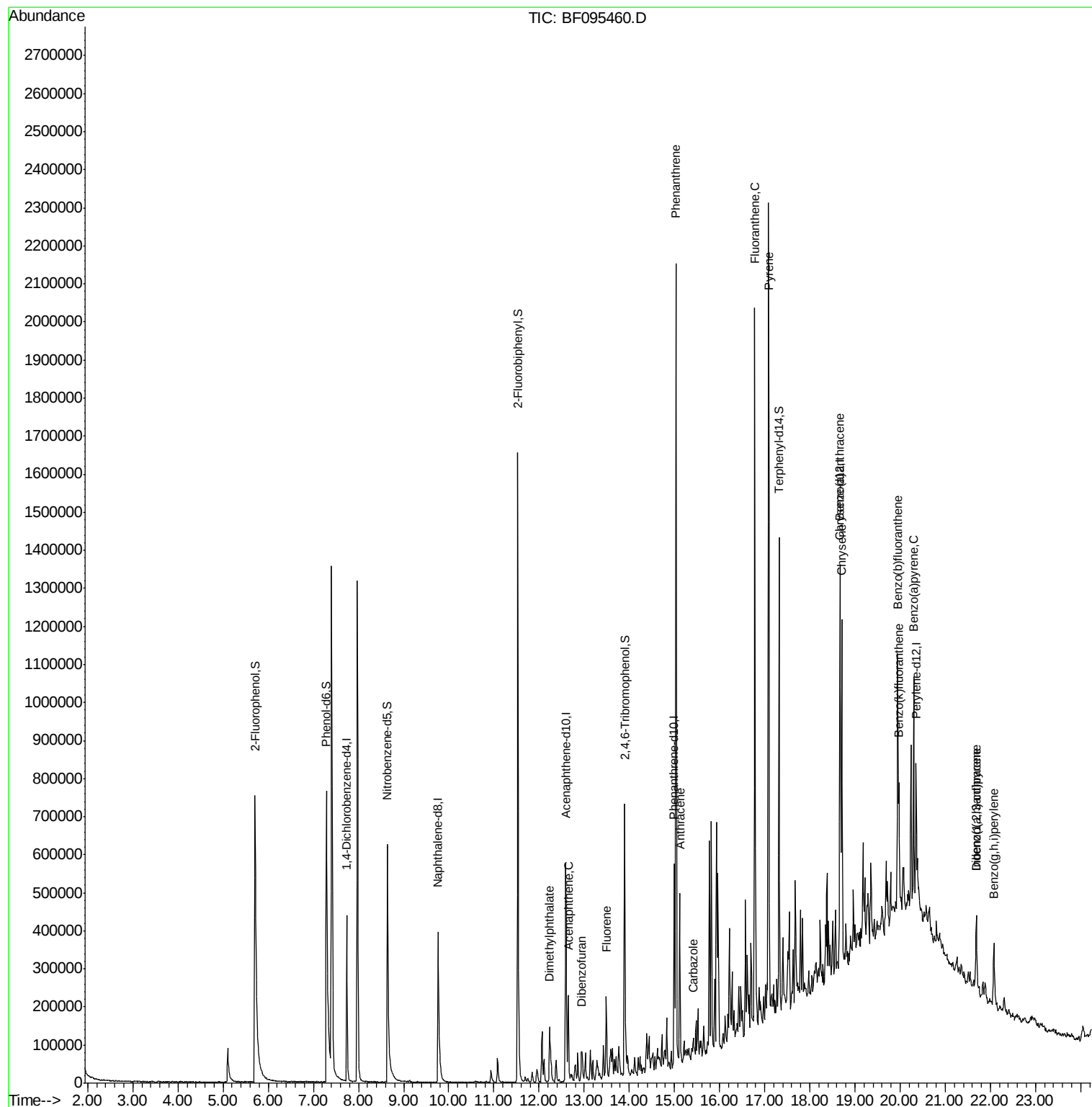
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#1

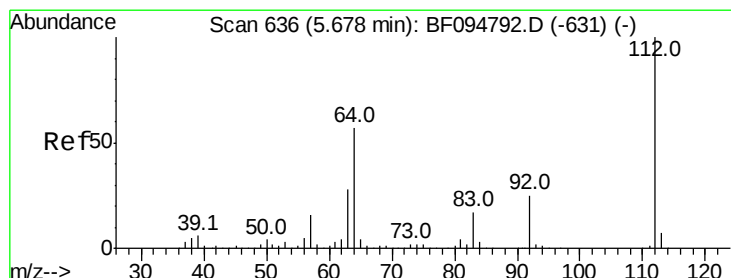
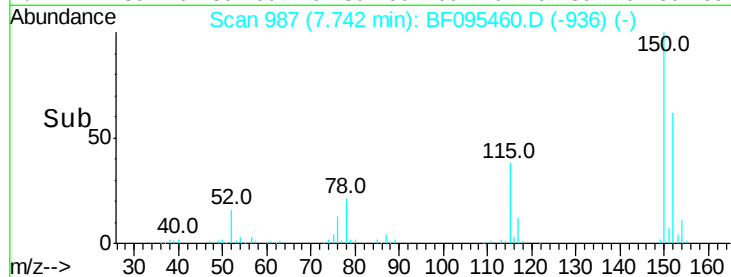
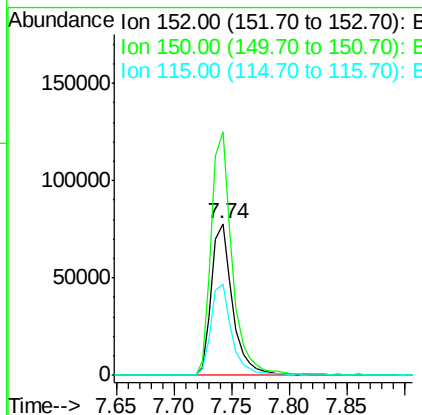
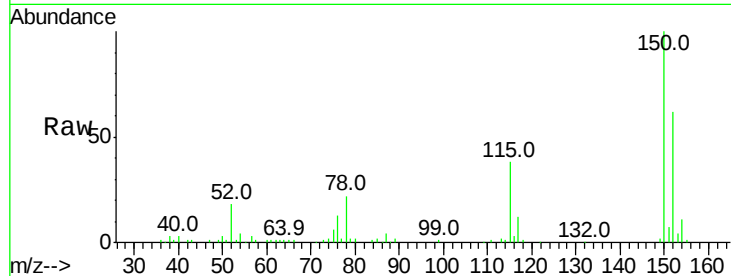
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Instrument :
BNA_F
ClientSampleId :
EP1-WC11(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.2	189.2
115	60.3	52.2	78.2

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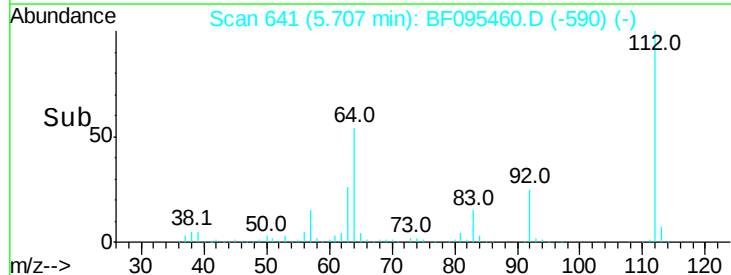
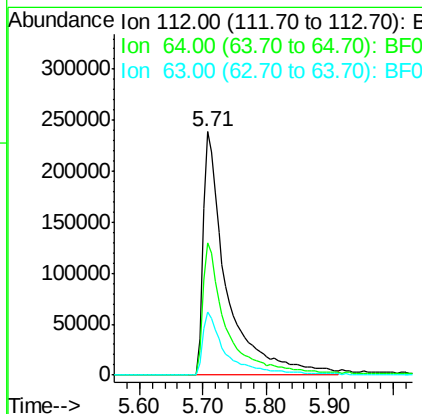
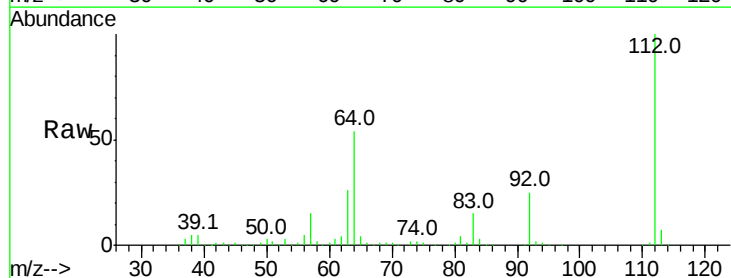
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#5

2-Fluorophenol
Concen: 103.32 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	46.0	69.0
63	26.1	23.4	35.0





#7

Phenol-d6

Concen: 105.17 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Instrument :

BNA_F

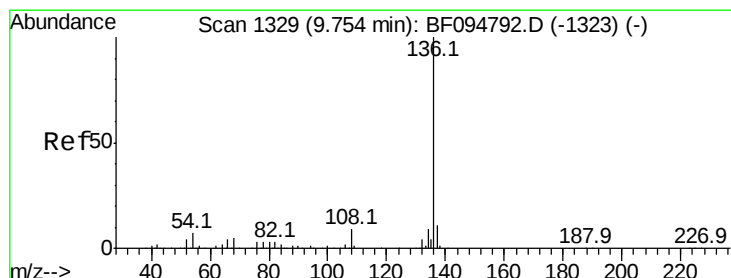
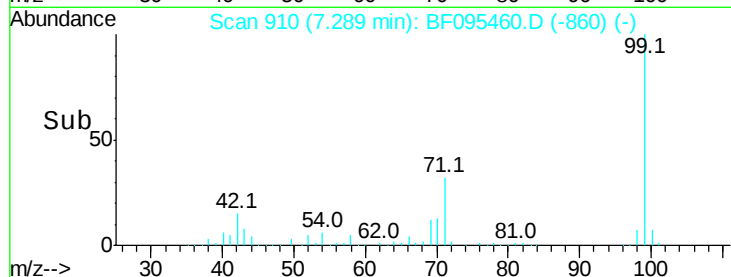
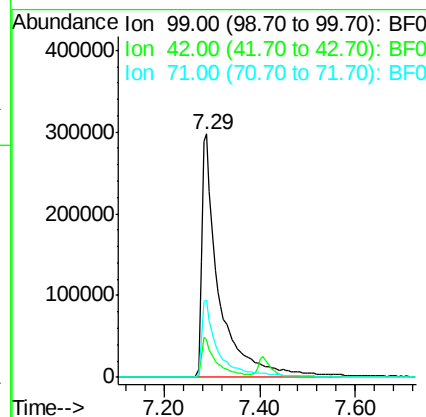
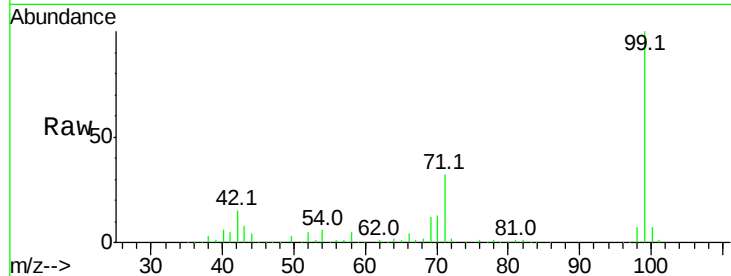
ClientSampleId :

EP1-WC11(0-2)

Tot Ion:	99	Resp:	756867
Ion Ratio	Lower	Upper	
99	100		
42	15.3	13.5	20.3
71	31.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

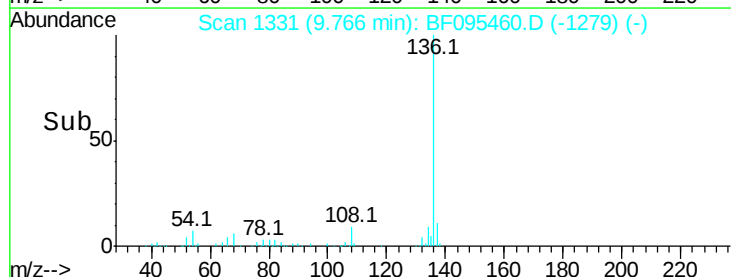
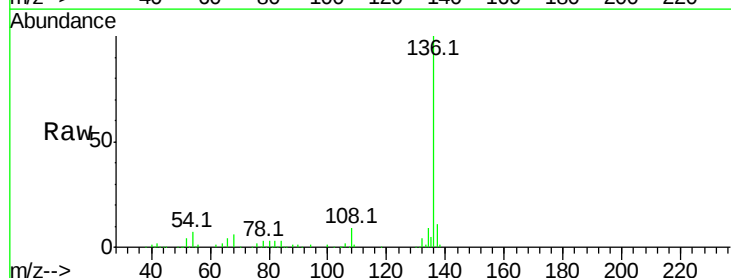
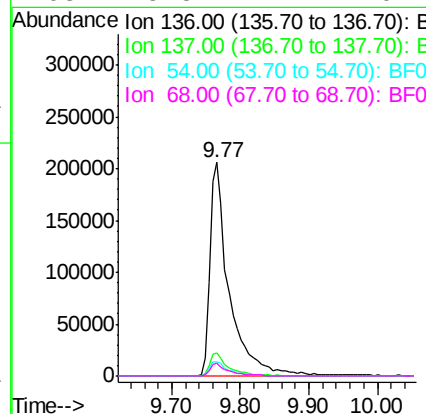
RT: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Tgt Ion:	136	Resp:	406725
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.9	4.9	7.3
68	5.8	4.1	6.1





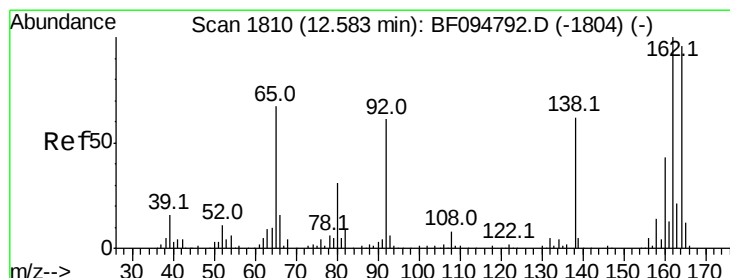
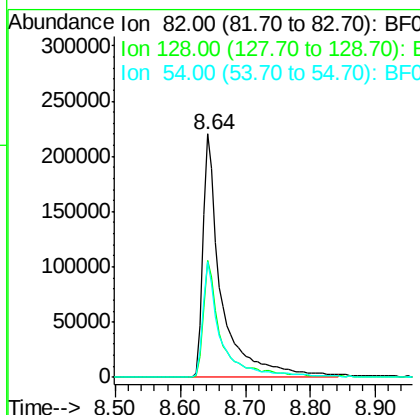
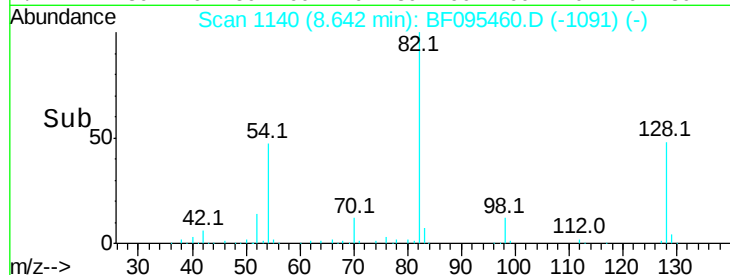
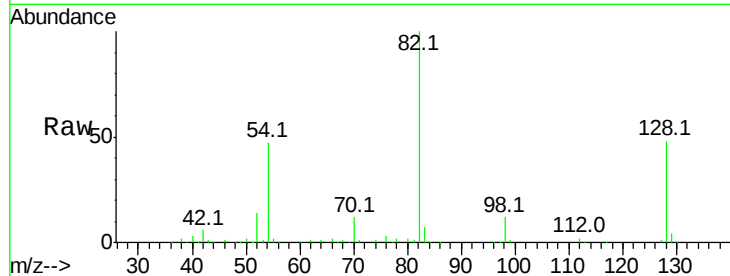
#23
 Nitrobenzene-d5
 Concen: 67.46 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095460.D
 Acq: 26 May 2017 14:46

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC11(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	47.4	42.2	63.2

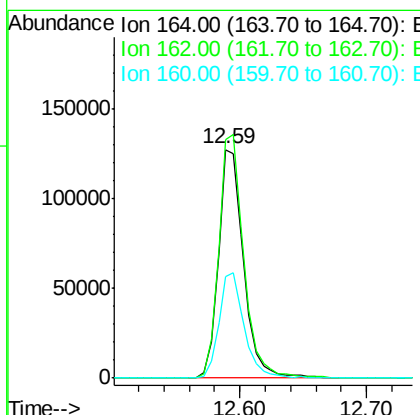
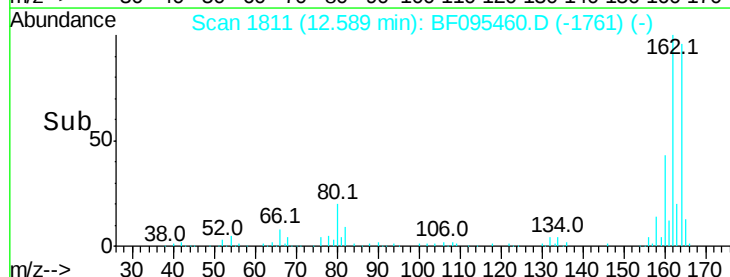
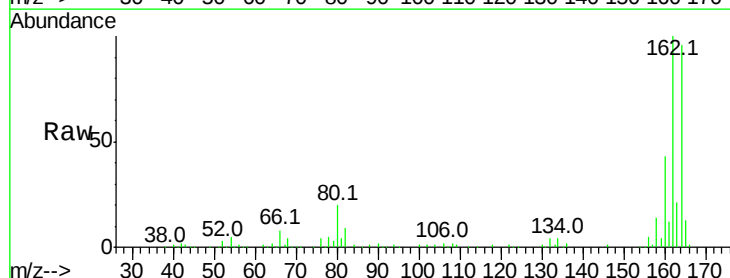
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.59 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF095460.D
 Acq: 26 May 2017 14:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.6	123.8
160	44.6	36.2	54.2





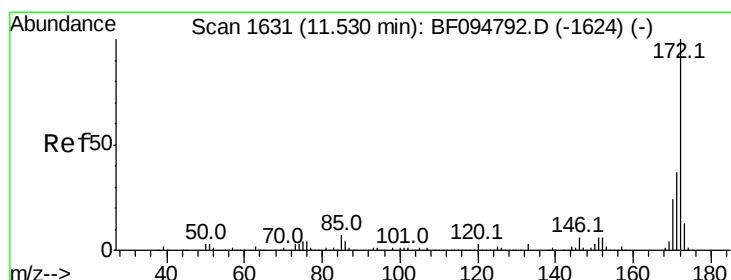
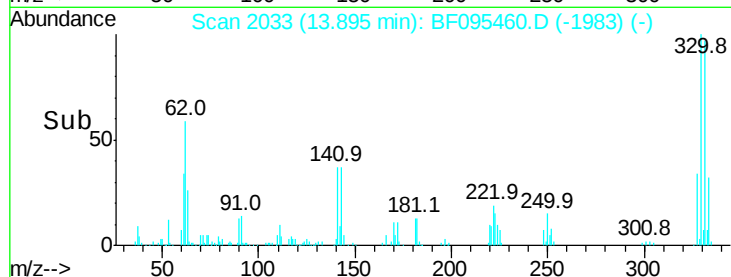
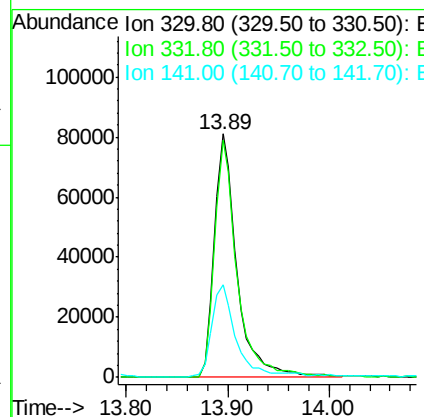
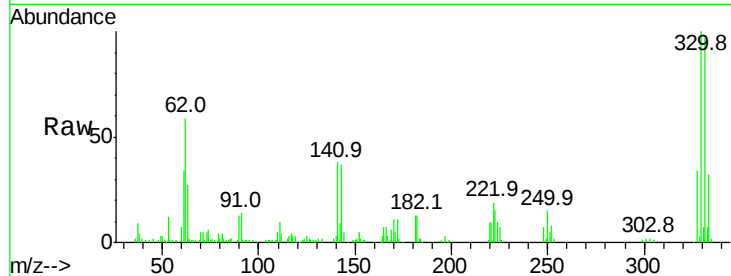
#41
 2,4,6-Tribromophenol
 Concen: 88.18 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095460.D
 Acq: 26 May 2017 14:46

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC11(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	41.9	31.4	47.2

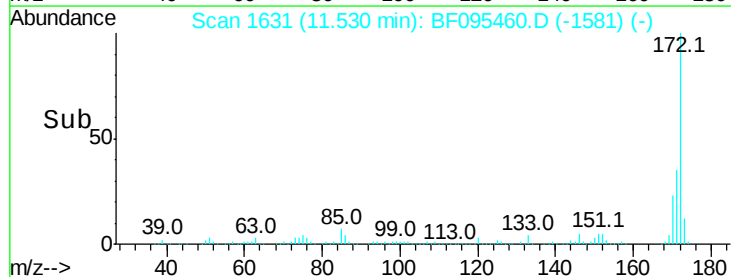
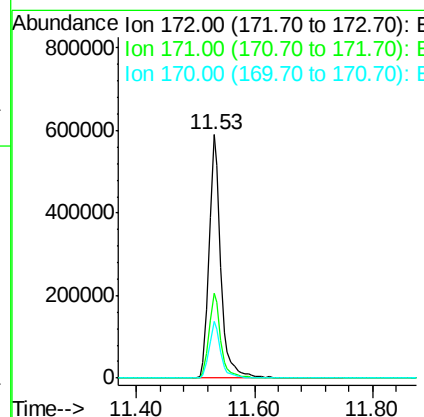
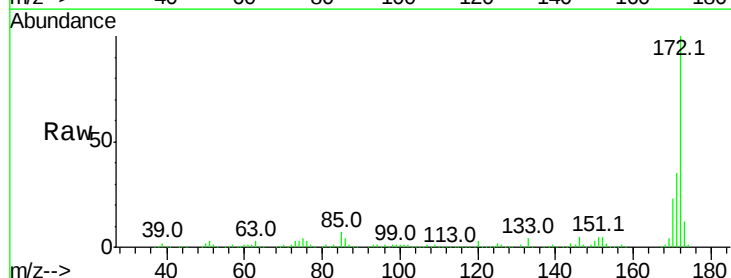
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#44
 2-Fluorobiphenyl
 Concen: 67.22 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095460.D
 Acq: 26 May 2017 14:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	23.1	19.8	29.8





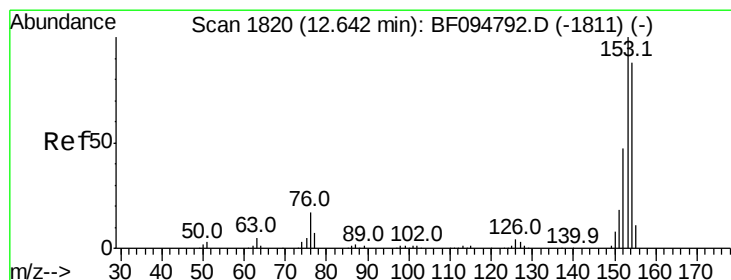
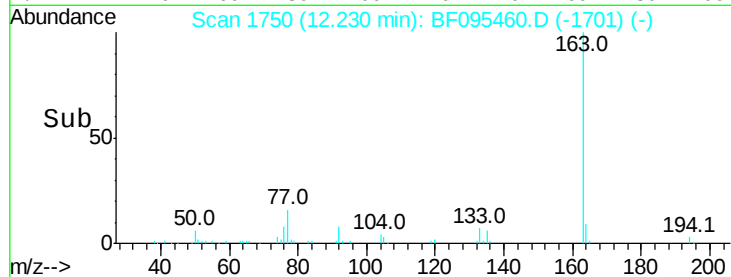
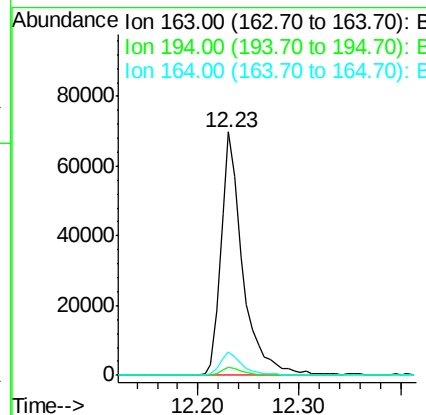
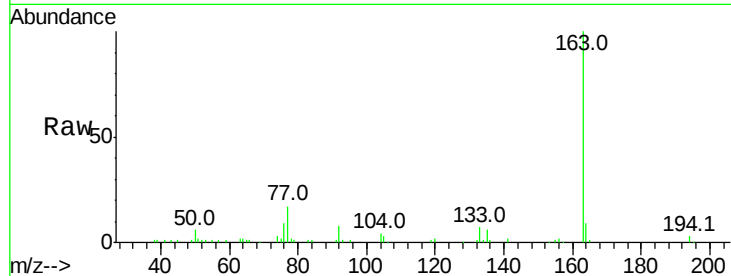
#49
Dimethylphthalate
Concen: 7.22 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Instrument :
BNA_F
ClientSampleId :
EP1-WC11(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	9.5	8.4	12.6	

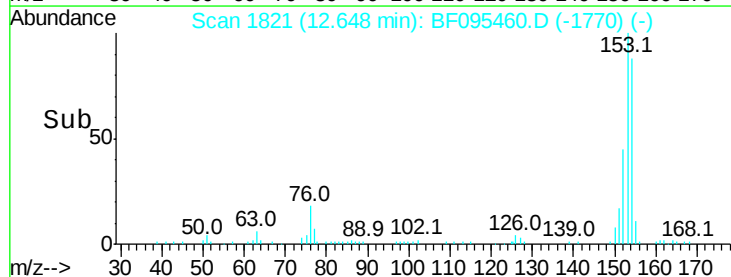
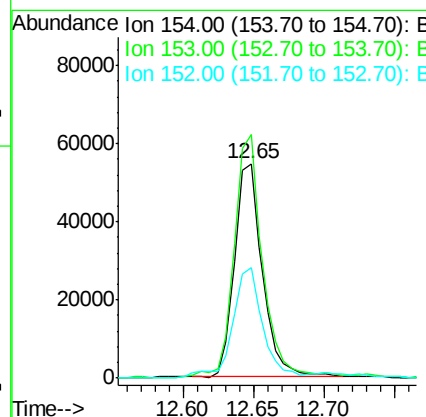
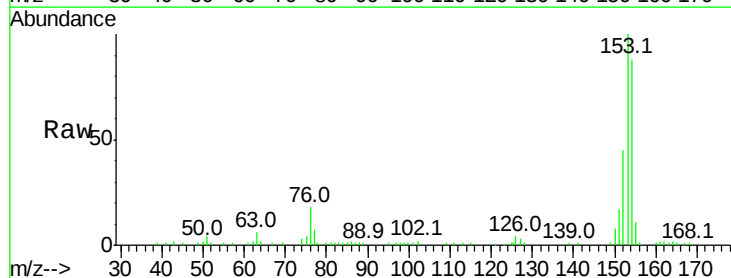
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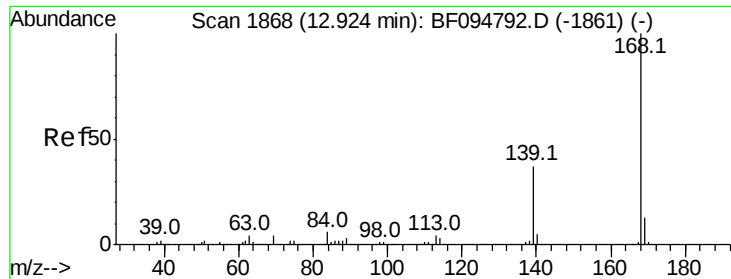
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#51
Acenaphthene
Concen: 6.73 ng
RT: 12.65 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.4	90.5	135.7	
152	51.5	43.6	65.4	





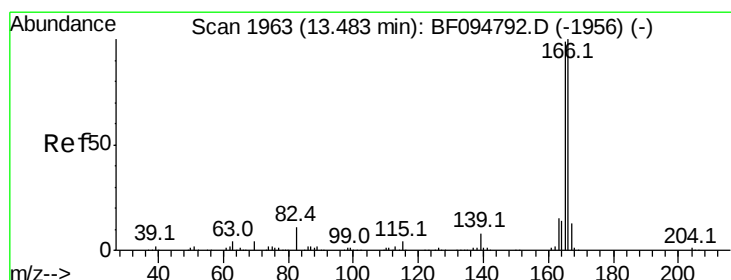
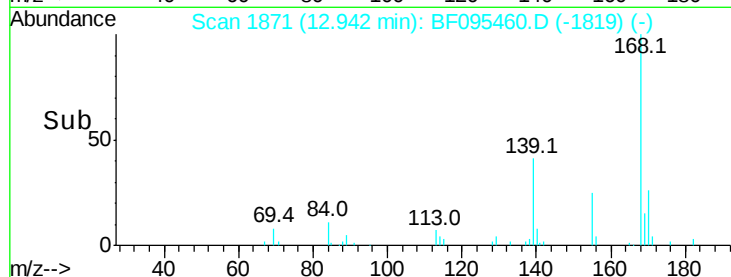
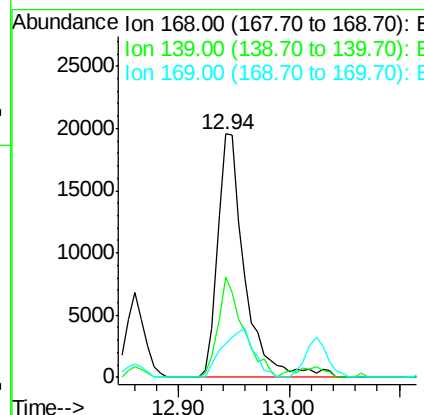
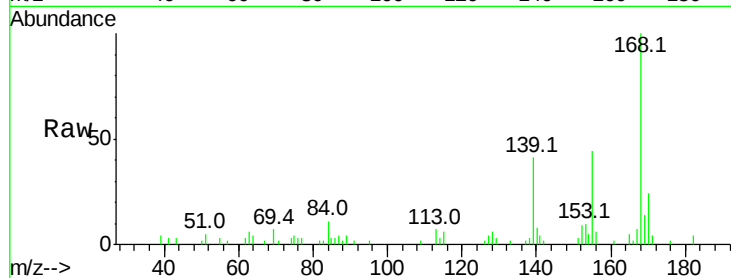
#54
Dibenzofuran
Concen: 2.15 ng
RT: 12.94 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Instrument :
BNA_F
ClientSampleId :
EP1-WC11(0-2)

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.0	30.6	45.8
169	13.8	10.8	16.2

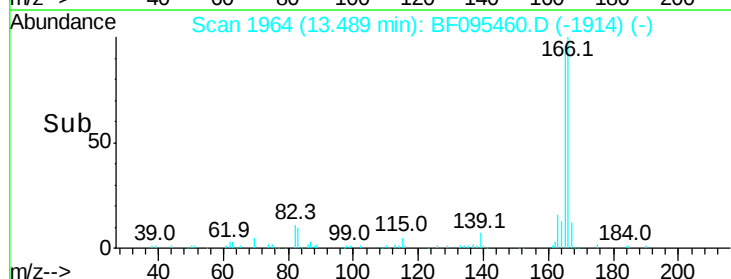
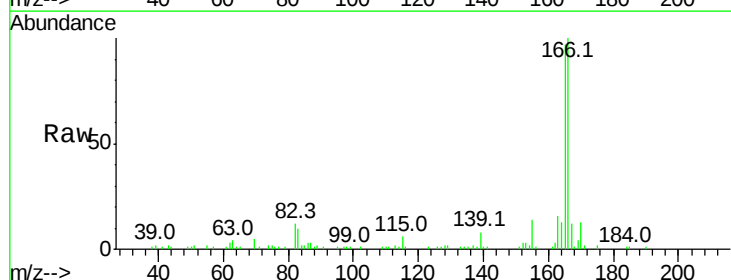
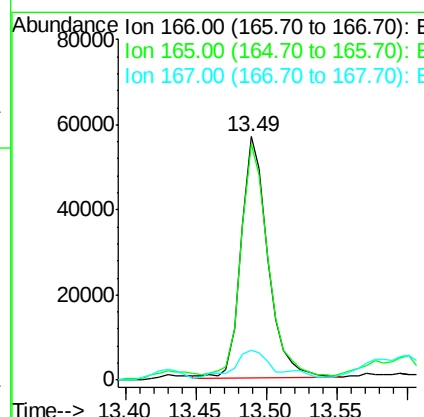
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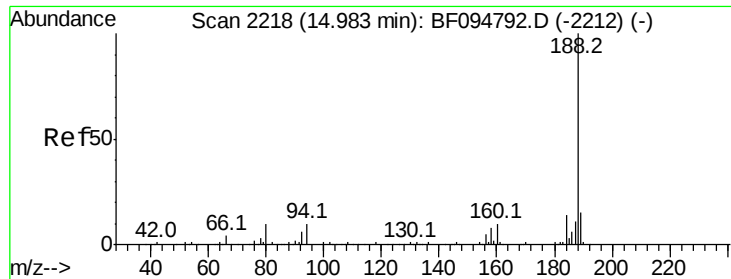
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#57
Fluorene
Concen: 5.61 ng
RT: 13.49 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	12.2	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.99 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Instrument :

BNA_F

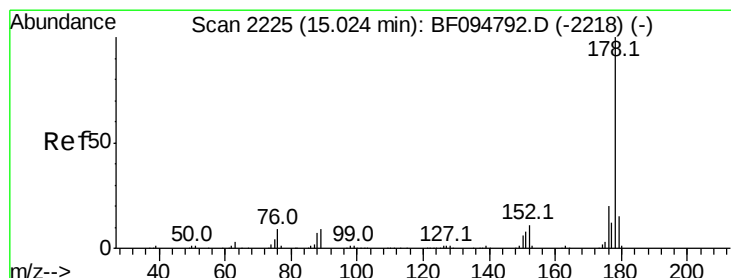
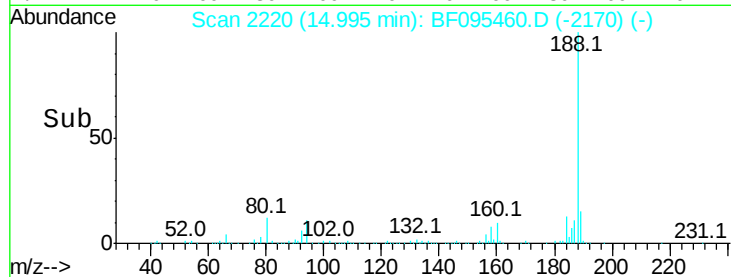
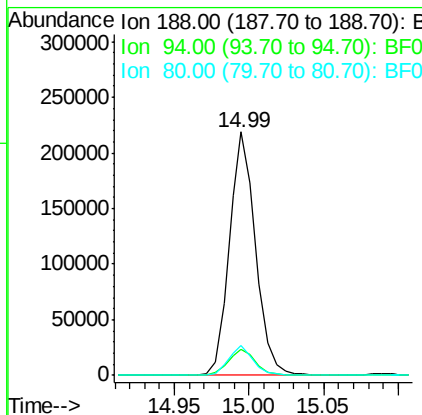
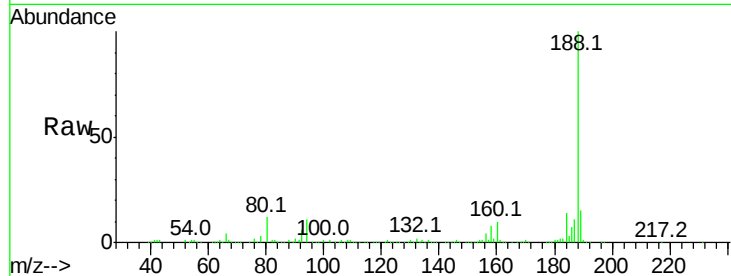
ClientSampleId :

EP1-WC11(0-2)

Tot Ion:	188	Resp:	268229
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.4	14.2
80	12.2	10.2	15.2

Manual Integrations
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#70

Phenanthrene

Concen: 75.62 ng

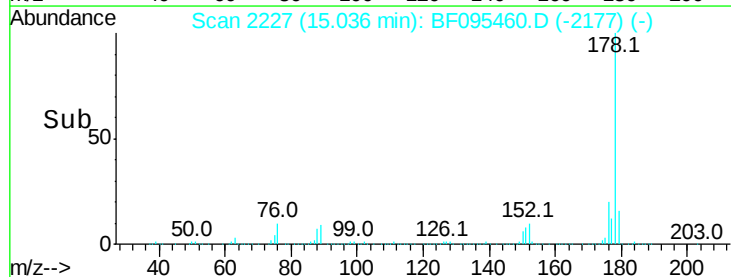
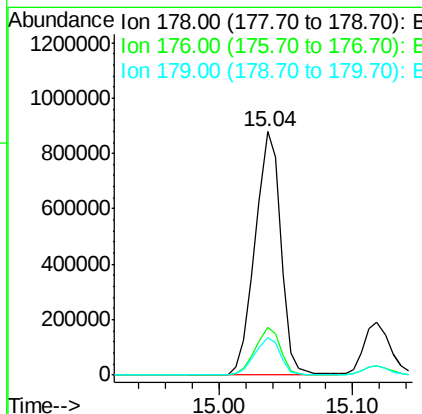
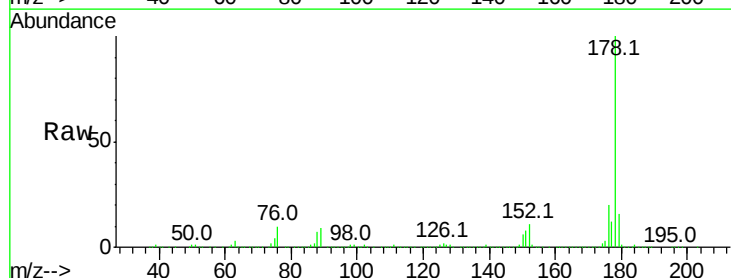
RT: 15.04 min Scan# 2227

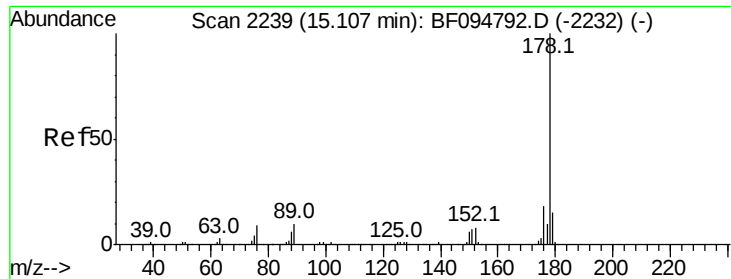
Delta R.T. -0.01 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Tgt Ion:	178	Resp:	1165463
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.2	24.4
179	15.5	12.6	19.0





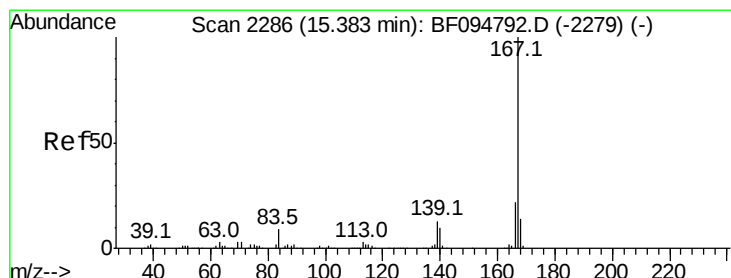
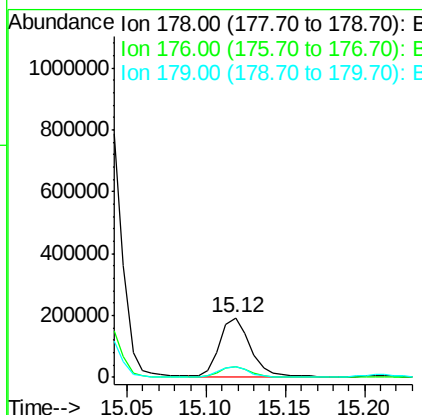
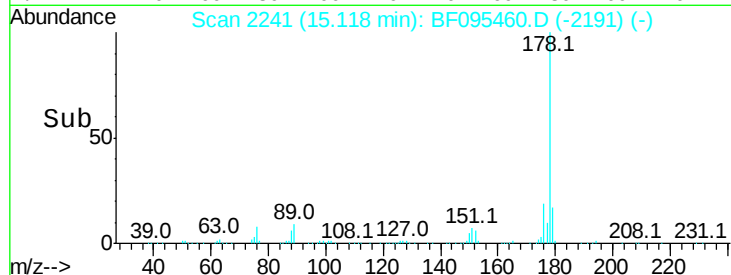
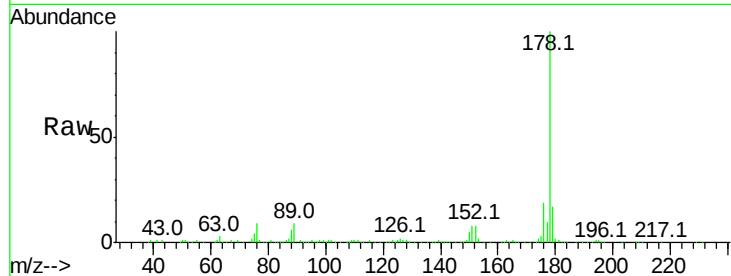
#71
 Anthracene
 Concen: 16.56 ng
 RT: 15.12 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF095460.D
 Acq: 26 May 2017 14:46

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC11(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	17.2	12.7	19.1

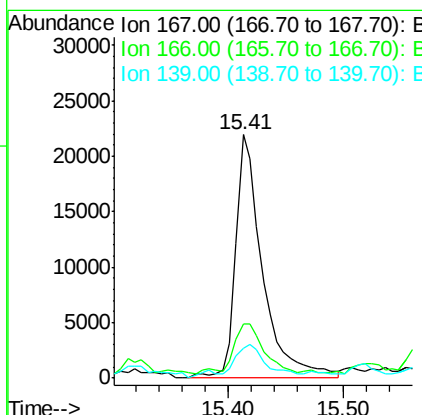
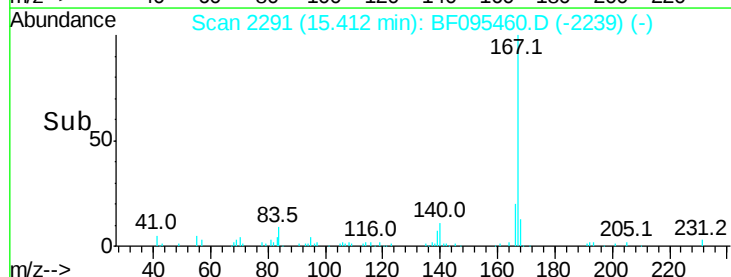
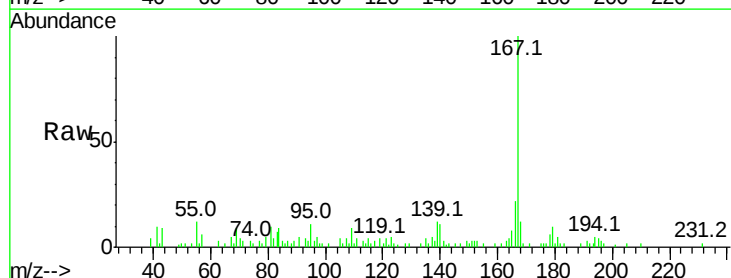
Manual Integrations
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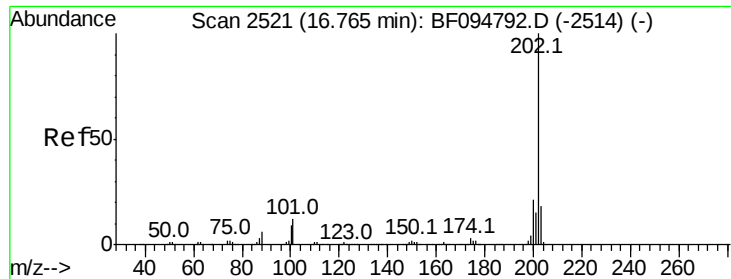
mohammad
 5/30/2017 1:36:02 PM



#72
 Carbazole
 Concen: 2.49 ng
 RT: 15.41 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF095460.D
 Acq: 26 May 2017 14:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.1	27.1
139	12.3	11.7	17.5





#74

Fluoranthene

Concen: 61.44 ng

RT: 16.78 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Instrument :

BNA_F

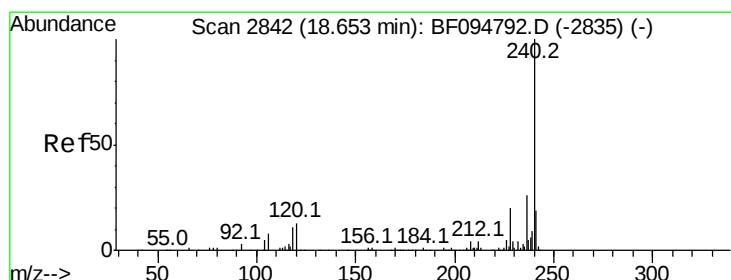
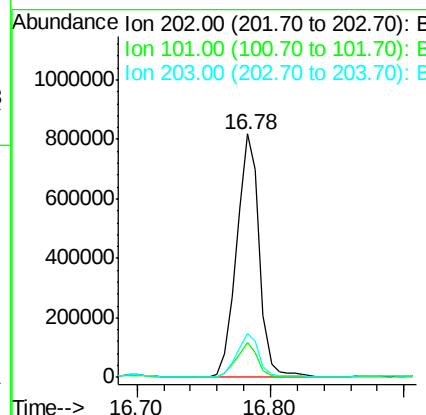
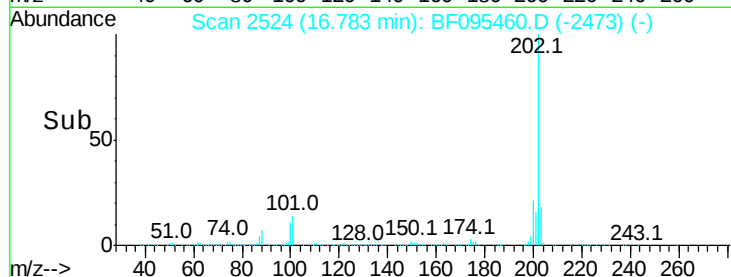
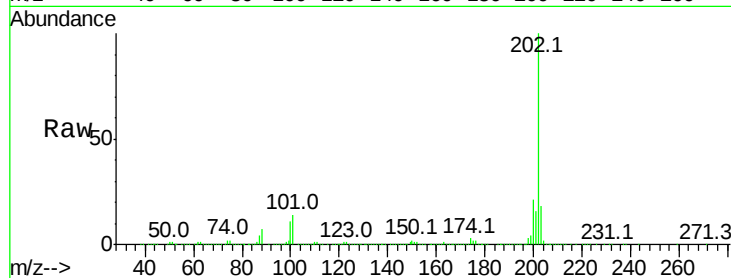
ClientSampled :

EP1-WC11(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.3	0.0	33.2
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

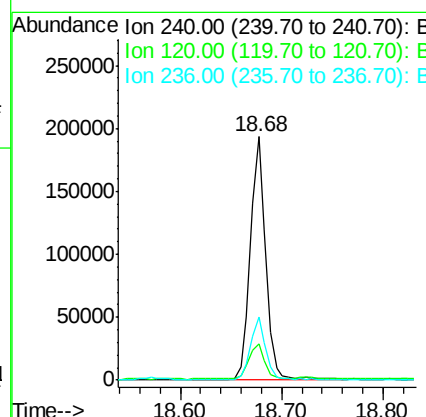
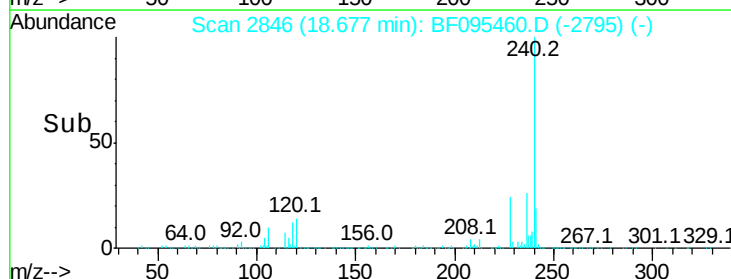
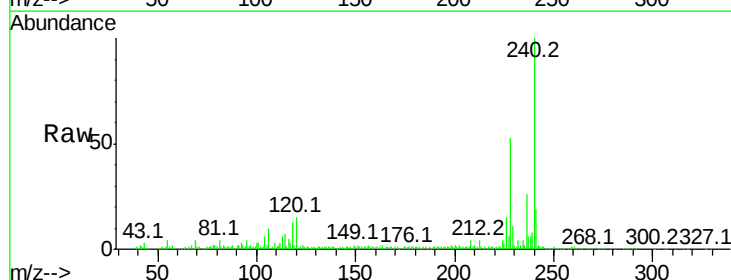
RT: 18.68 min Scan# 2846

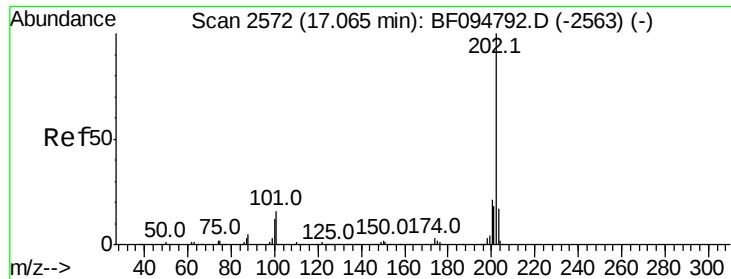
Delta R.T. 0.00 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	25.8	20.5	30.7





#77

Pvrene

Concen: 72.33 ng

RT: 17.09 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Instrument :

BNA_F

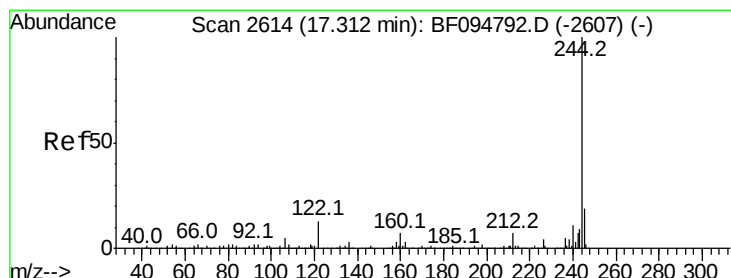
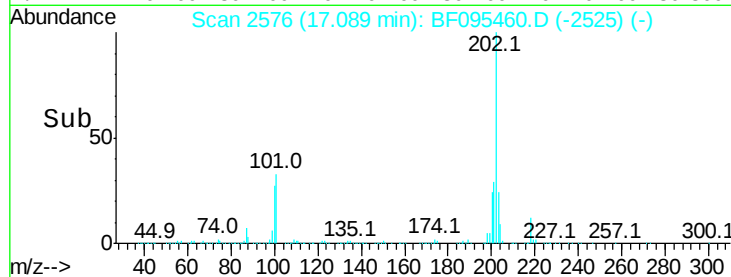
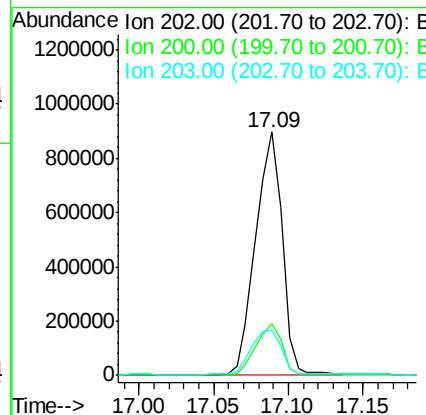
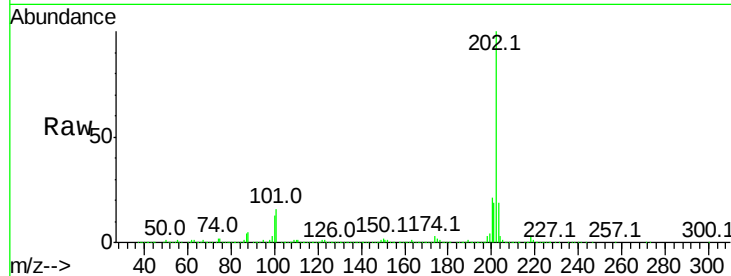
ClientSampleId :

EP1-WC11(0-2)

Tot Ion:	202	Resp:	1098212
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	18.7	14.4	21.6

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#78

Terphenyl-d14

Concen: 50.33 ng

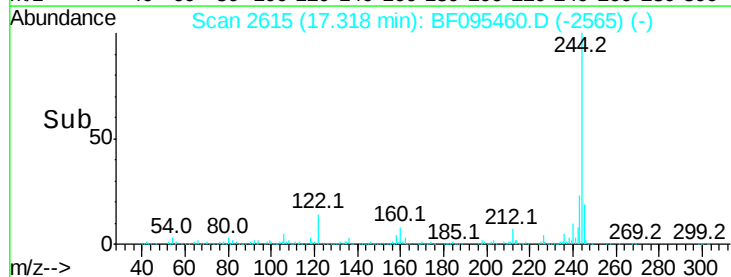
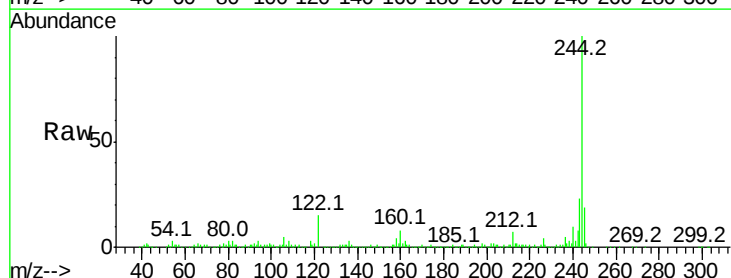
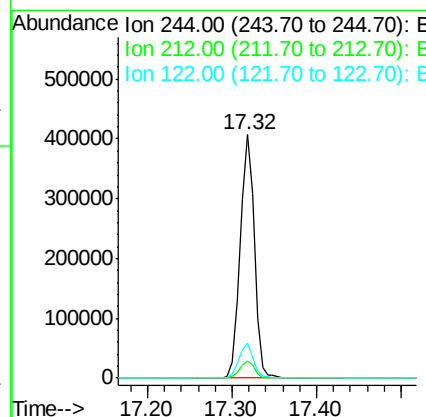
RT: 17.32 min Scan# 2615

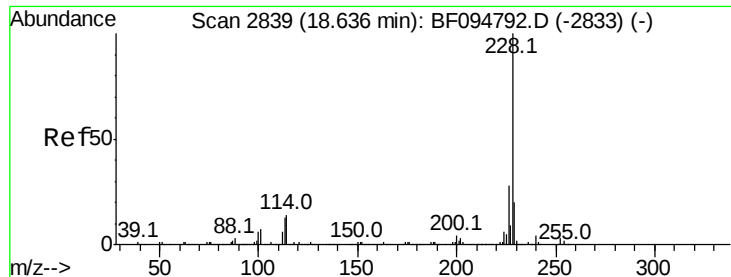
Delta R.T. -0.01 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Tgt Ion:	244	Resp:	463837
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	14.6	10.3	15.5





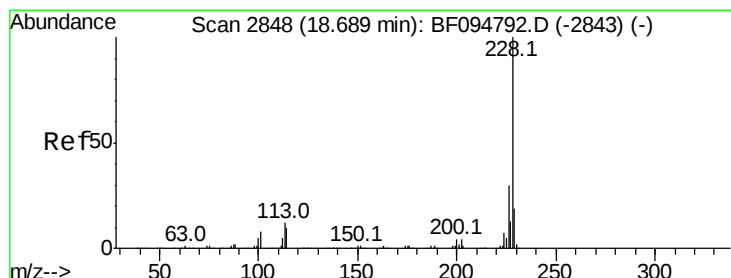
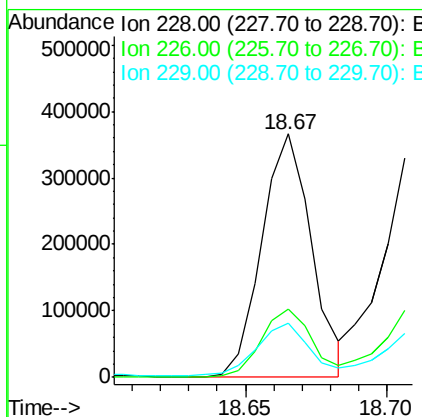
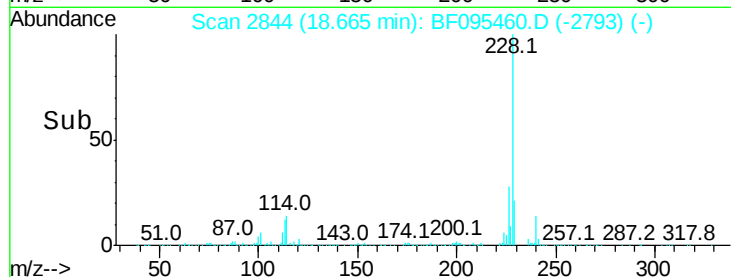
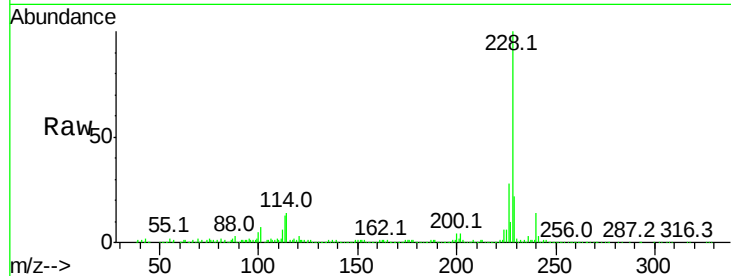
#80
Benzo(a)anthracene
Concen: 37.79 ng
RT: 18.67 min Scan# 2844
Delta R.T. 0.00 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Instrument :
BNA_F
ClientSampleId :
EP1-WC11(0-2)

Tot Ion:228	Resp:	446535
Ion Ratio	Lower	Upper
228 100		
226 28.2	22.6	33.8
229 22.1	16.3	24.5

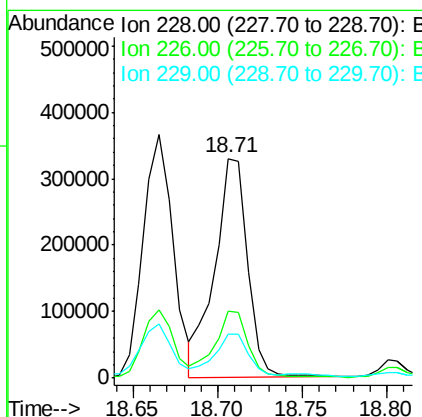
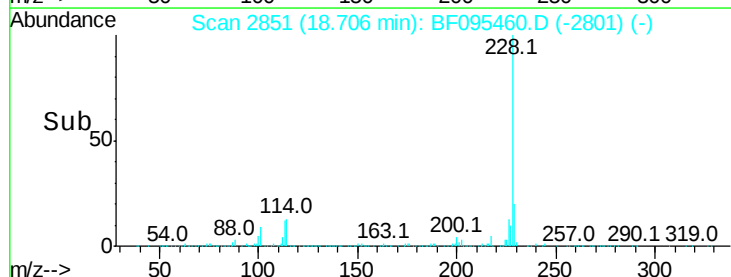
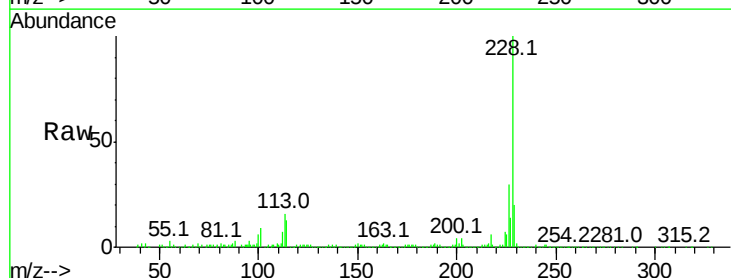
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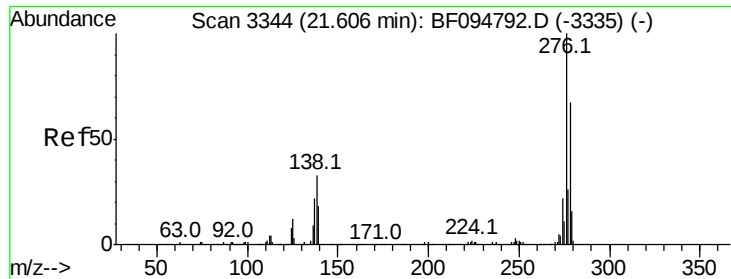
mohammad
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#82
Chrysene
Concen: 39.19 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Tgt Ion:228	Resp:	447713
Ion Ratio	Lower	Upper
228 100		
226 30.3	24.9	37.3
229 20.2	15.8	23.6





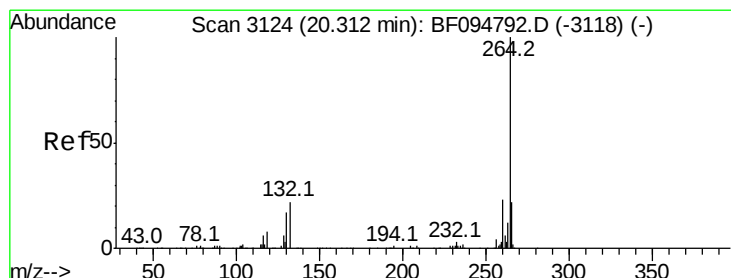
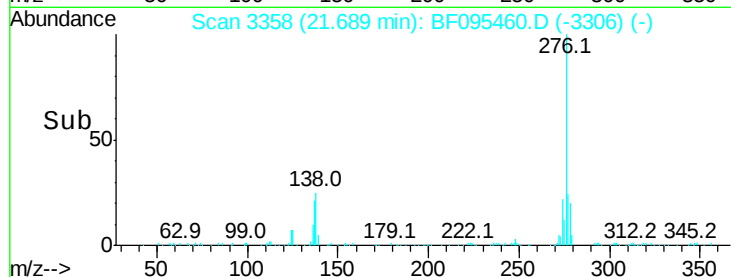
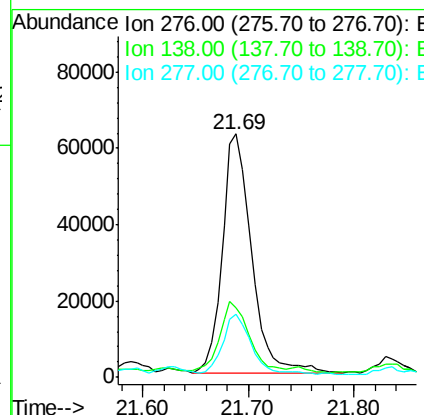
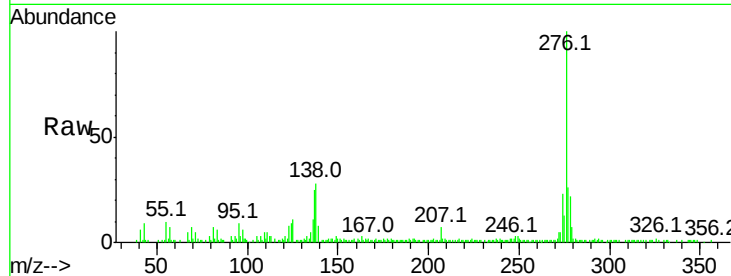
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.15 ng
RT: 21.69 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Instrument :
BNA_F
ClientSampleId :
EP1-WC11(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	27.8	41.6
277	23.5	20.2	30.4

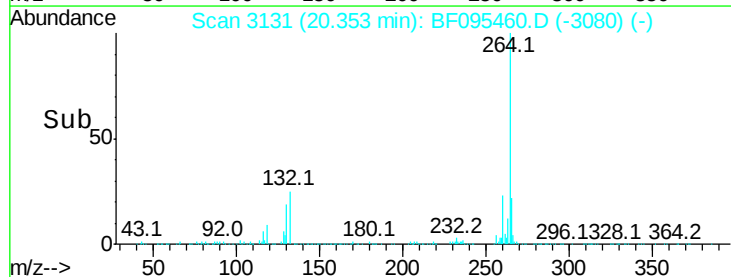
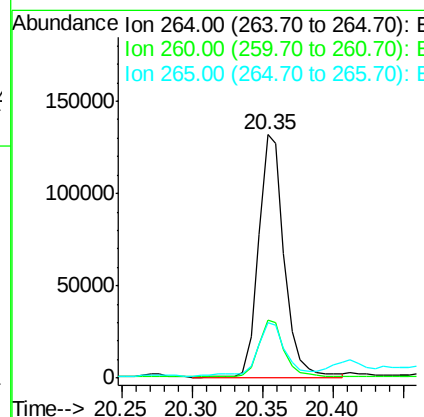
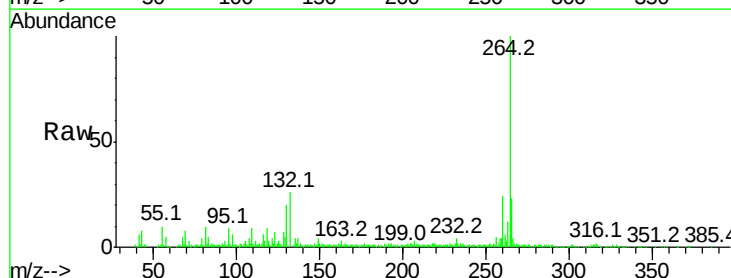
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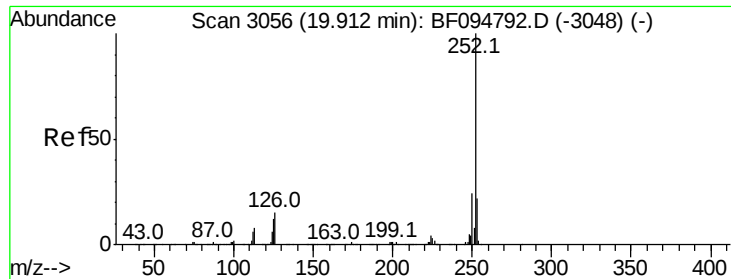
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 35.50 ng m

RT: 19.95 min Scan# 3062

Delta R.T. 0.01 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Instrument :

BNA_F

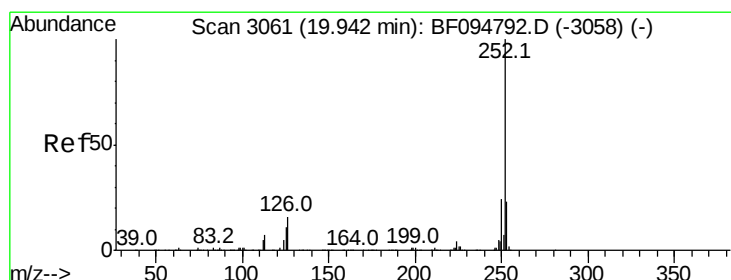
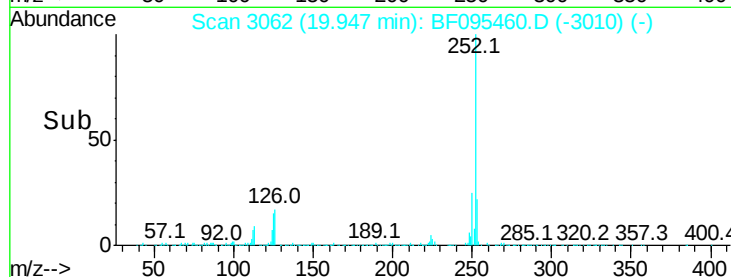
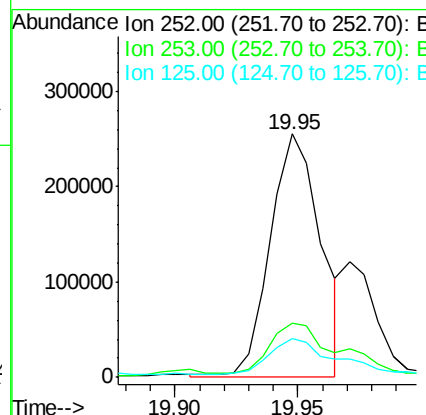
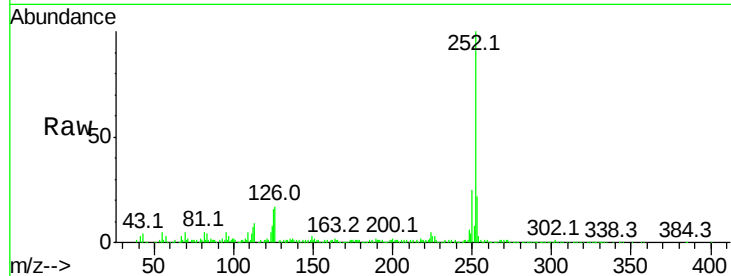
ClientSampleId :

EP1-WC11(0-2)

Tot Ion:	252	Resp:	368795
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	15.9	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 11.86 ng m

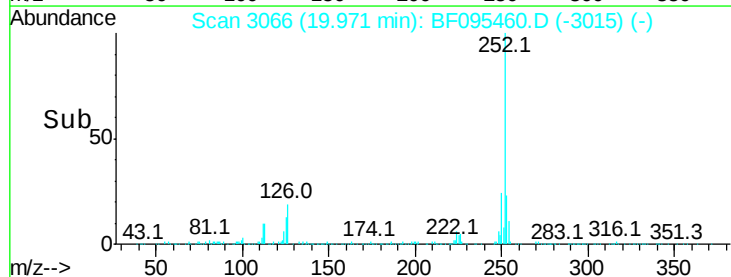
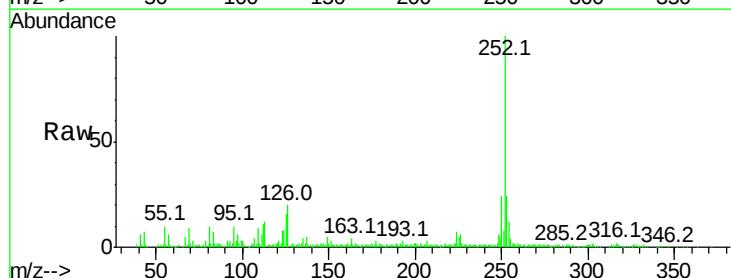
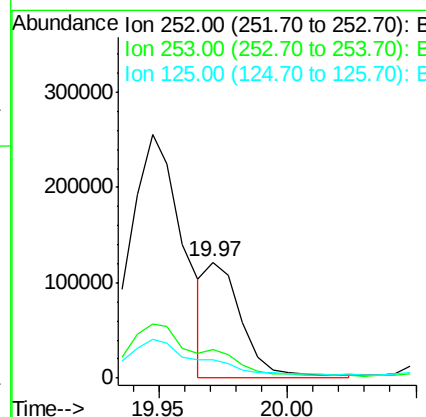
RT: 19.97 min Scan# 3066

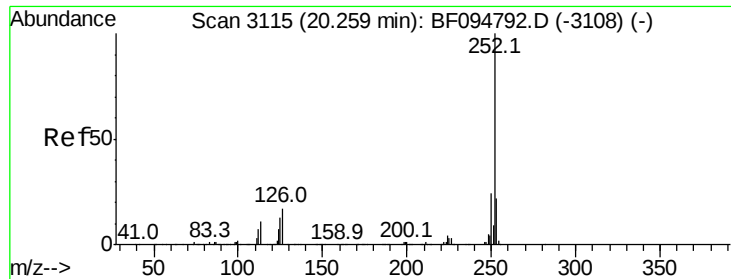
Delta R.T. 0.00 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Tgt Ion:	252	Resp:	118857
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.4	27.6
125	15.8	13.1	19.7





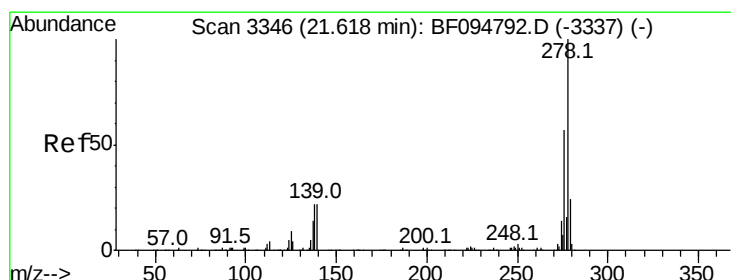
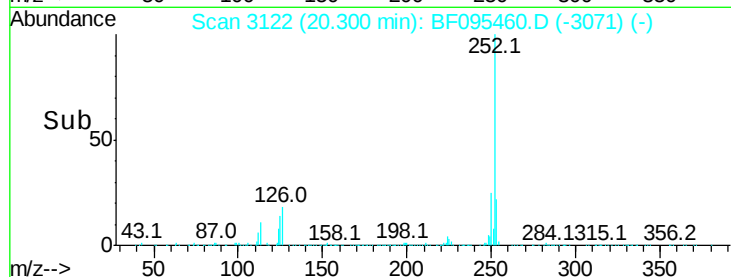
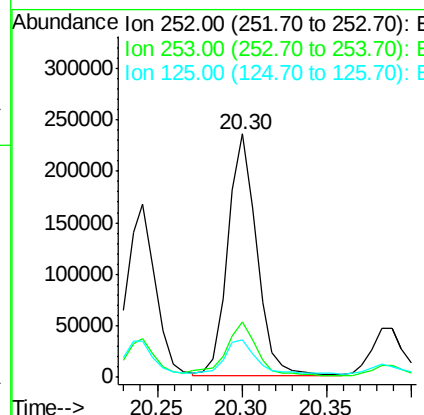
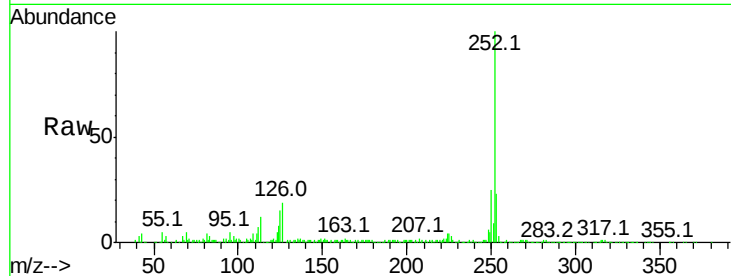
#89
Benzo(a)pyrene
Concen: 29.04 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Instrument :
BNA_F
ClientSampleId :
EP1-WC11(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	278390		
253	22.8		17.5	26.3
125	15.5		11.0	16.4

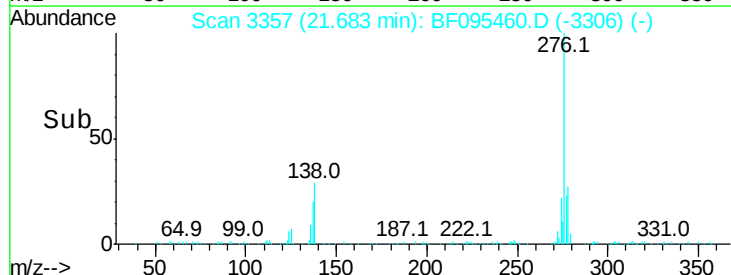
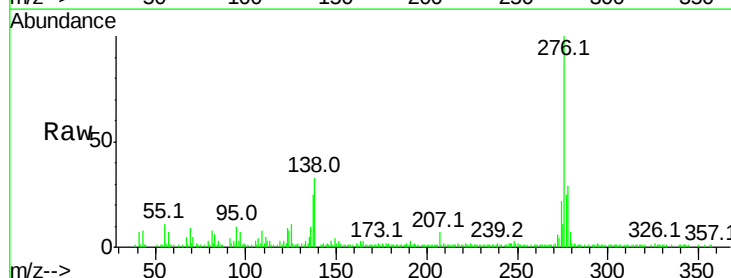
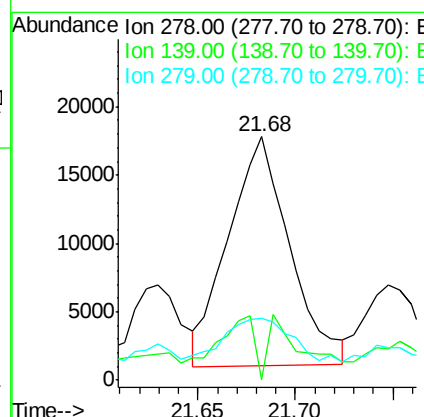
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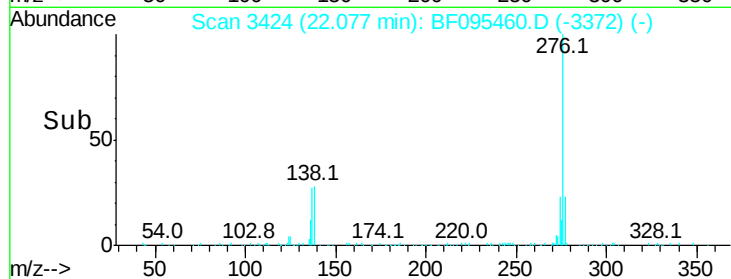
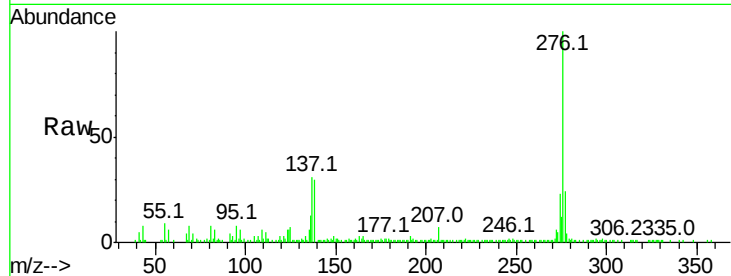
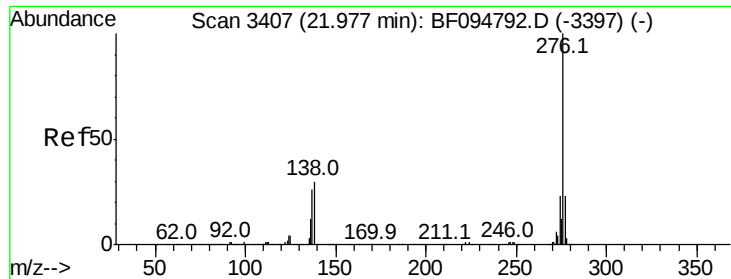
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 4.61 ng
RT: 21.68 min Scan# 3357
Delta R.T. 0.00 min
Lab File: BF095460.D
Acq: 26 May 2017 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	36469		
139	0.0		16.6	24.8#
279	25.5		19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 15.86 ng

RT: 22.08 min Scan# 3424

Delta R.T. 0.01 min

Lab File: BF095460.D

Acq: 26 May 2017 14:46

Instrument :

BNA_F

ClientSampleId :

EP1-WC11(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	123205		
277	24.0	18.6	28.0	
138	29.7	25.4	38.0	

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