

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095462.D
 Acq On : 26 May 2017 15:50
 Operator : SJ/MA
 Sample : I3241-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC7(0-4)

Manual Integrations
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Quant Time: May 26 17:24:59 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	97676	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	403305	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	177472	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	255863	20.00	ng	0.00
75) Chrysene-d12	18.68	240	204934	20.00	ng	0.00
86) Perylene-d12	20.35	264	170012	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	644484	110.01	ng	0.00
7) Phenol-d6	7.29	99	814087	115.81	ng	0.00
23) Nitrobenzene-d5	8.64	82	443812	69.39	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	128710	88.56	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	864316	70.10	ng	0.00
78) Terphenyl-d14	17.32	244	511616	54.99	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.80	128	134501	6.64	ng	97
37) 2-Methylnaphthalene	10.92	142	89291	6.71	ng	98
49) Dimethylphthalate	12.23	163	120851	8.29	ng	99
51) Acenaphthene	12.65	154	102308	9.06	ng	99
54) Dibenzofuran	12.94	168	42338	2.71	ng	98
57) Fluorene	13.49	166	105061	7.74	ng	96
70) Phenanthrene	15.04	178	1325827	90.19	ng	98
71) Anthracene	15.12	178	240410	16.01	ng	97
72) Carbazole	15.41	167	36834	2.70	ng	96
74) Fluoranthene	16.78	202	847677	56.21	ng	98
77) Pyrene	17.09	202	1174750	76.65	ng	98
80) Benzo(a)anthracene	18.67	228	487191	40.85	ng	99
82) Chrysene	18.71	228	508561	44.10	ng	98
85) Indeno(1,2,3-cd)pyrene	21.68	276	118517	12.65	ng	90
87) Benzo(b)fluoranthene	19.95	252	368756m	35.10	ng	
88) Benzo(k)fluoranthene	19.97	252	102427m	10.11	ng	
89) Benzo(a)pyrene	20.30	252	297751	30.72	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	37597	4.70	ng	# 87
91) Benzo(a,h,i)perylene	22.07	276	126951	16.16	ng	98

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

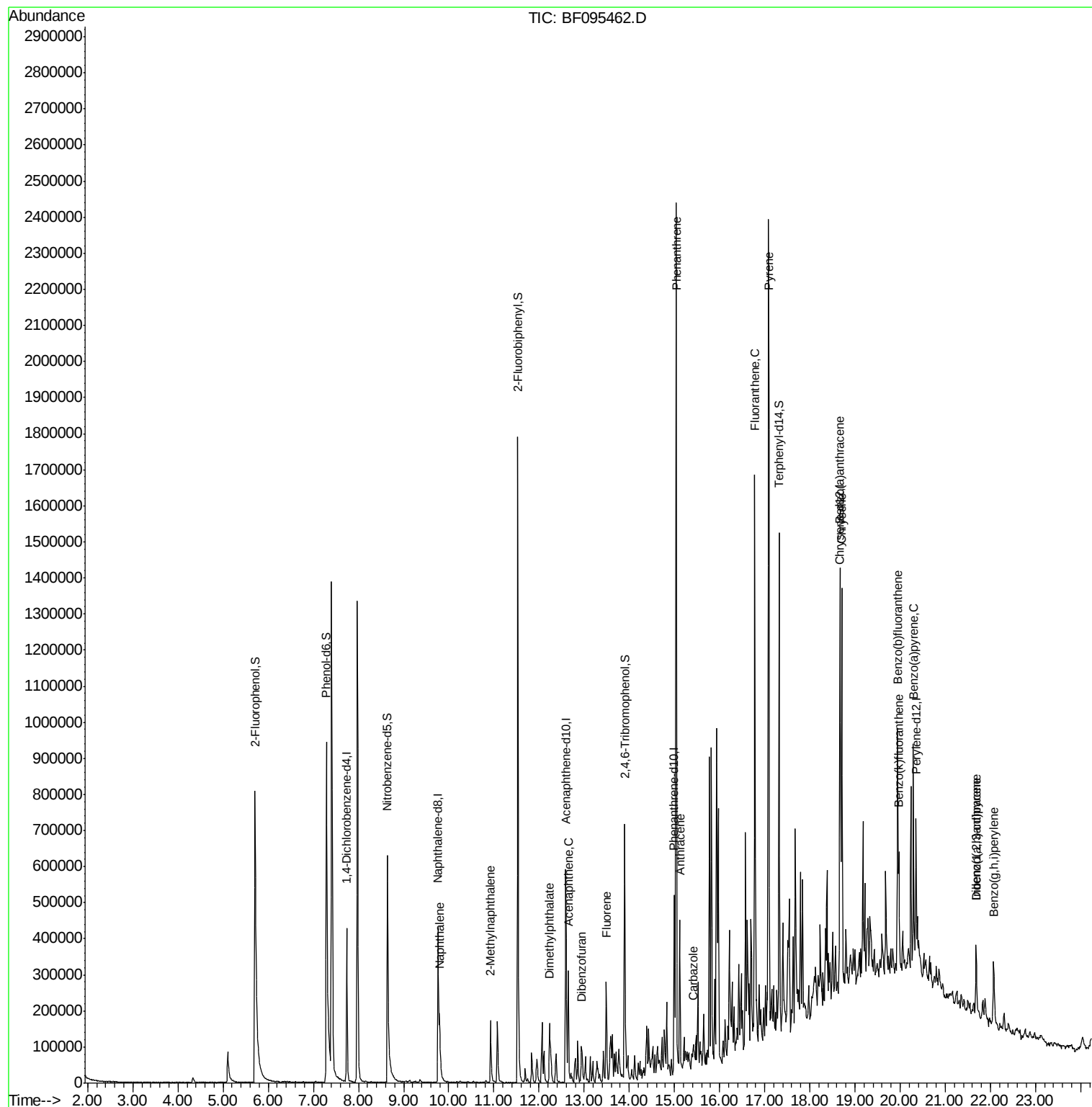
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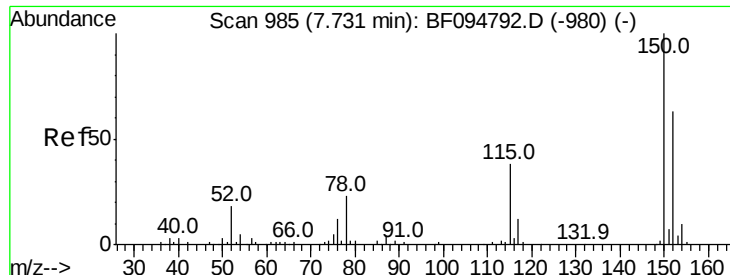
Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

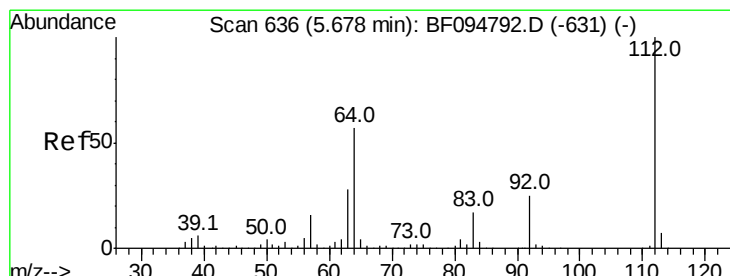
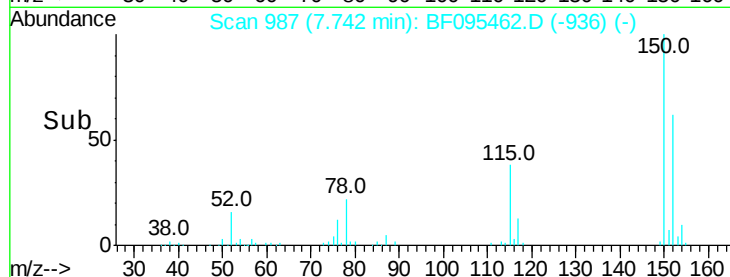
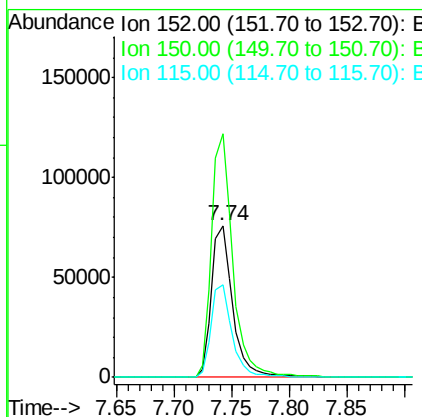
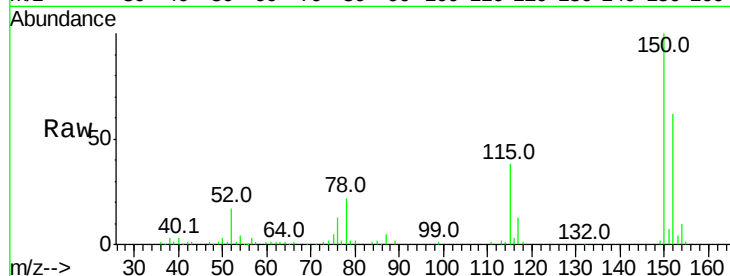
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.2	189.2
115	60.7	52.2	78.2

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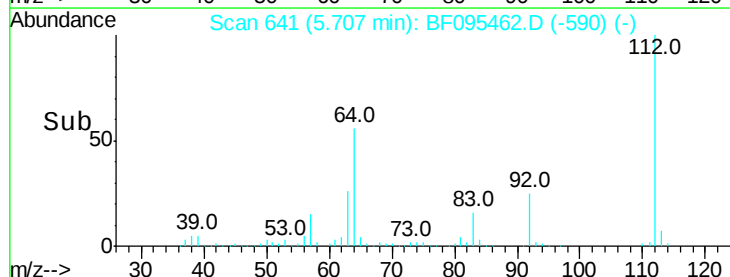
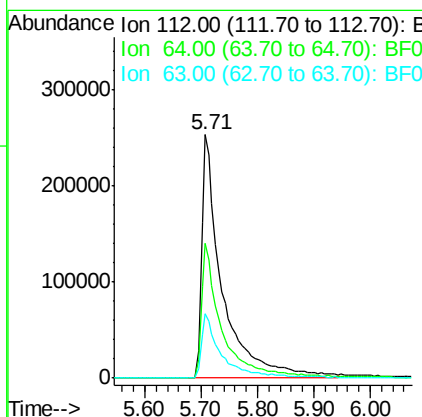
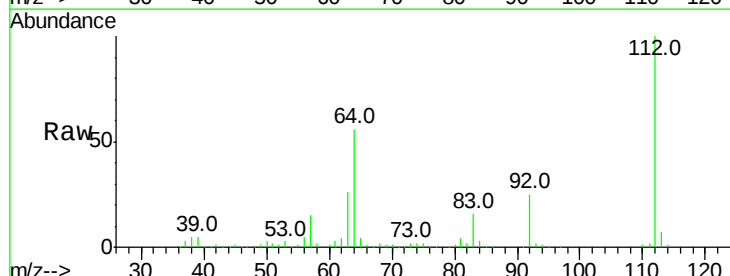
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#5

2-Fluorophenol
Concen: 110.01 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.0	69.0
63	26.4	23.4	35.0





#7

Phenol-d6

Concen: 115.81 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095462.D

Acq: 26 May 2017 15:50

Instrument :

BNA_F

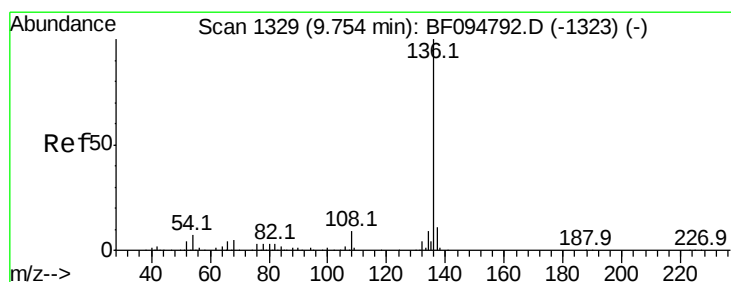
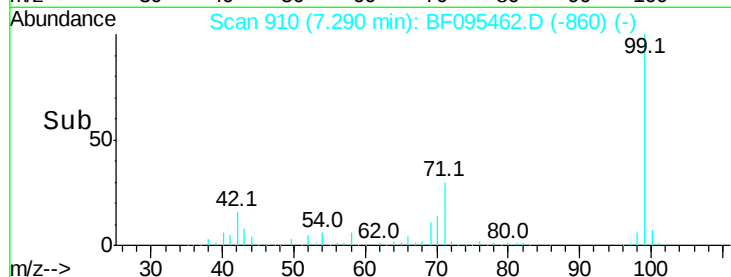
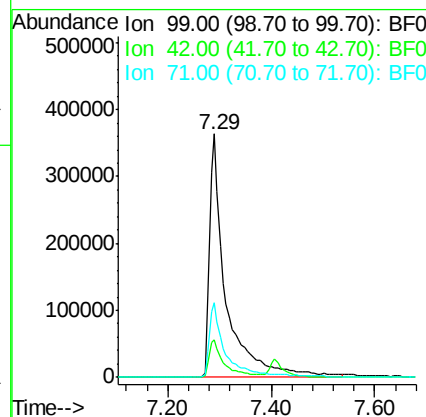
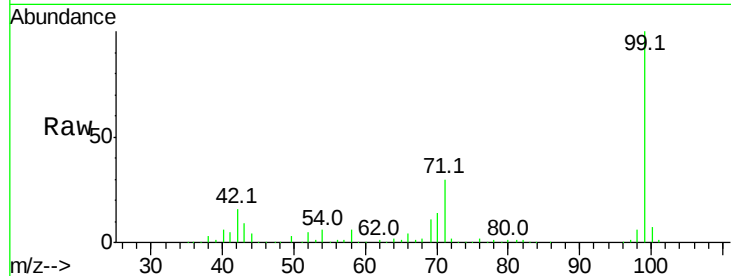
ClientSampleId :

EP1-WC7(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		814087		
42	15.6	13.5	20.3		
71	30.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

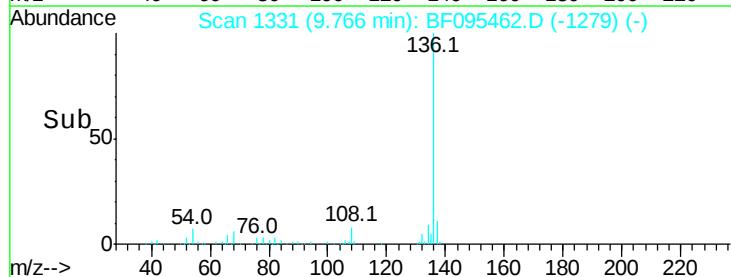
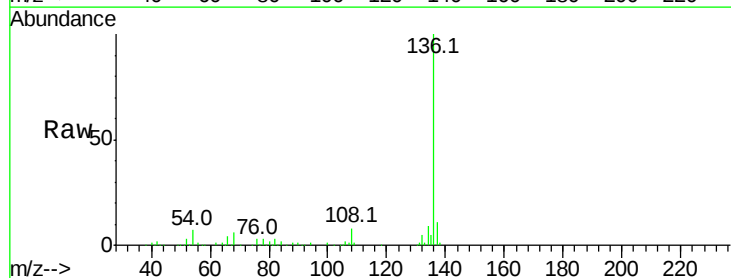
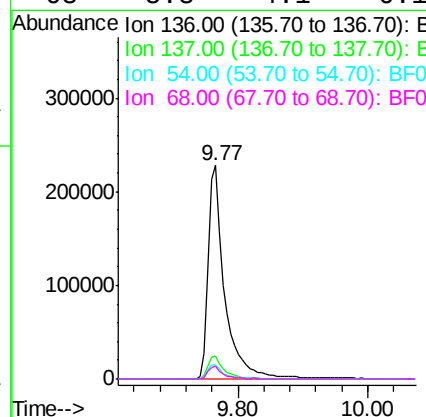
RT: 9.77 min Scan# 1331

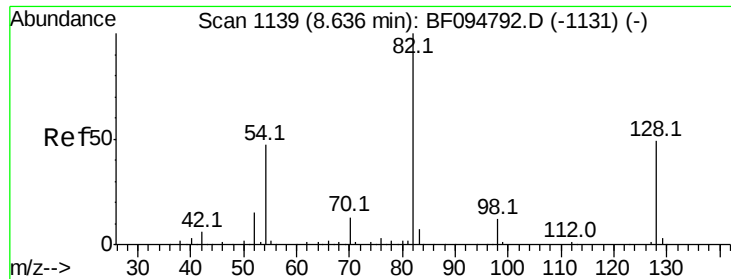
Delta R.T. 0.01 min

Lab File: BF095462.D

Acq: 26 May 2017 15:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		403305		
137	10.6	8.5	12.7		
54	6.9	4.9	7.3		
68	5.8	4.1	6.1		





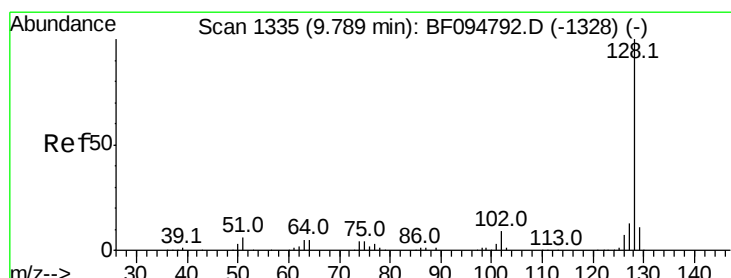
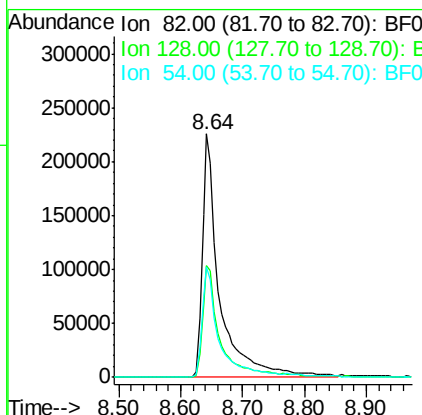
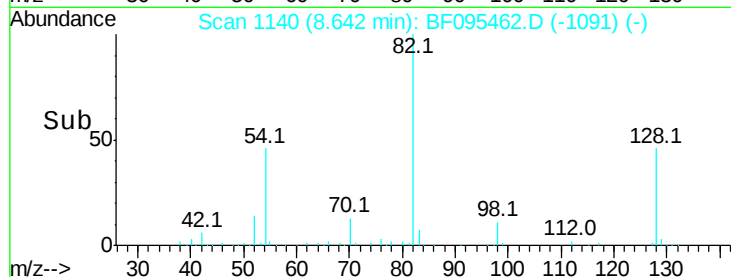
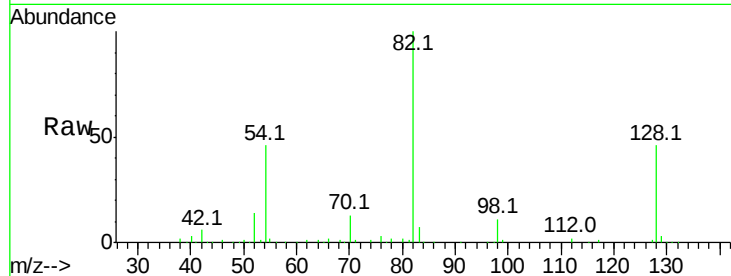
#23
 Nitrobenzene-d5
 Concen: 69.39 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095462.D
 Acq: 26 May 2017 15:50

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.0	51.0
54	45.5	42.2	63.2

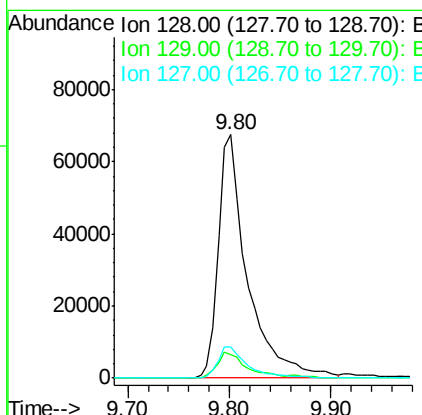
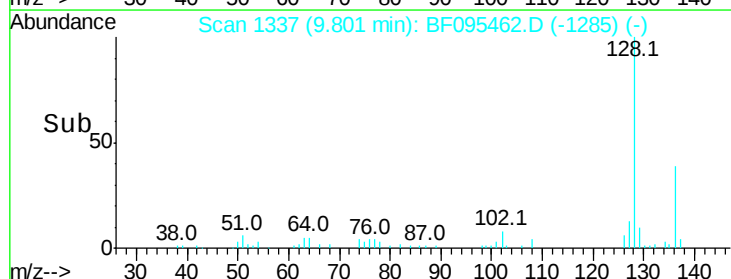
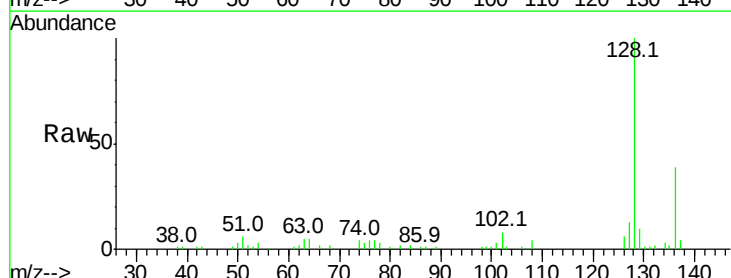
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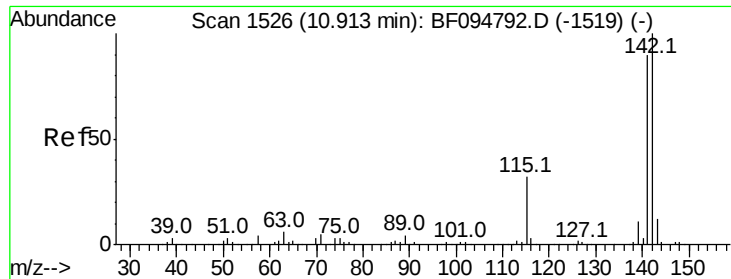
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#31
 Naphthalene
 Concen: 6.64 ng
 RT: 9.80 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: BF095462.D
 Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.5	9.0	13.6
127	13.0	10.8	16.2





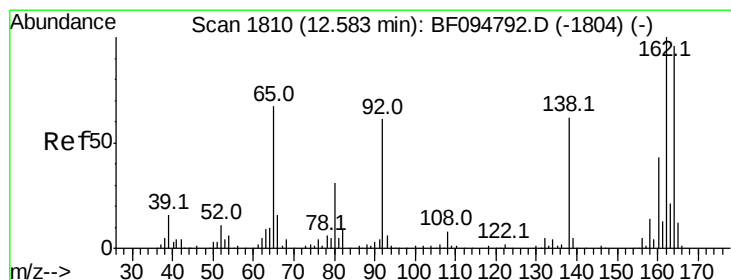
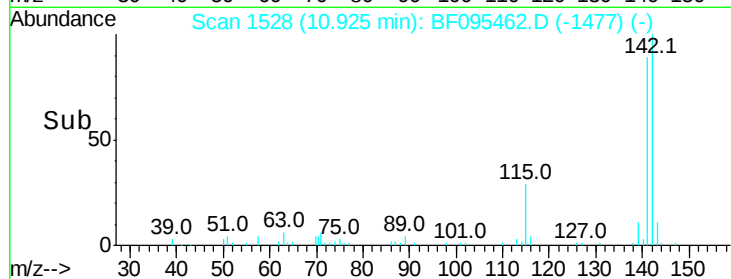
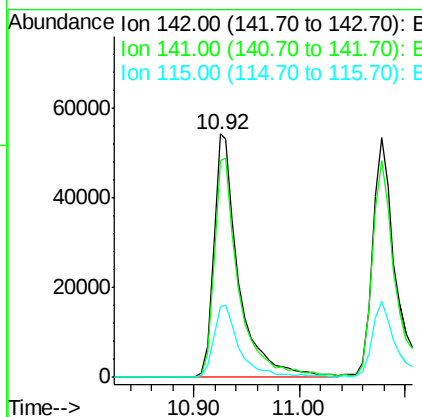
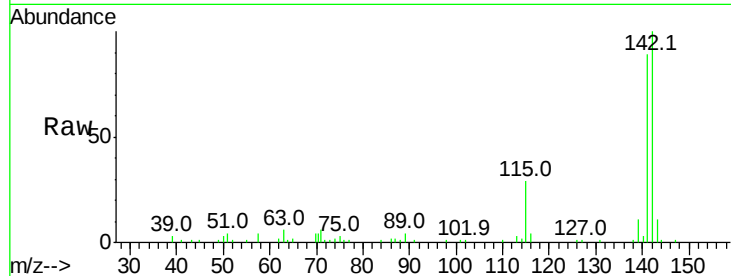
#37
2-Methylnaphthalene
Concen: 6.71 ng
RT: 10.92 min Scan# 1528
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	29.1	27.1	40.7

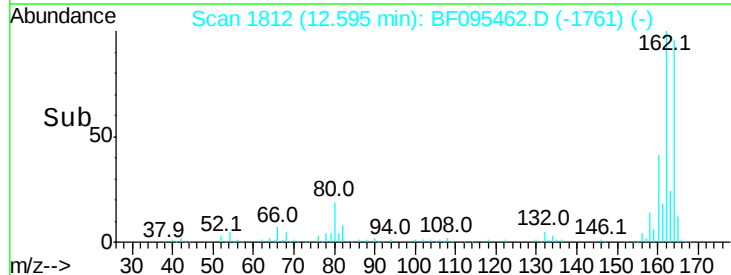
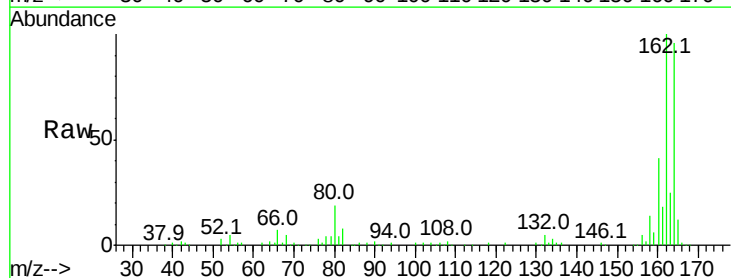
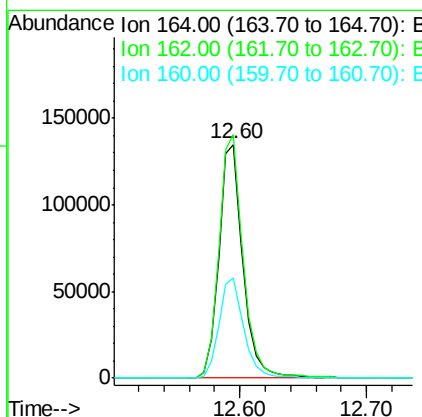
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.6	123.8
160	43.0	36.2	54.2





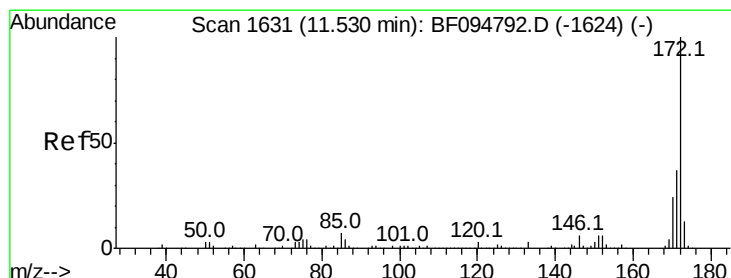
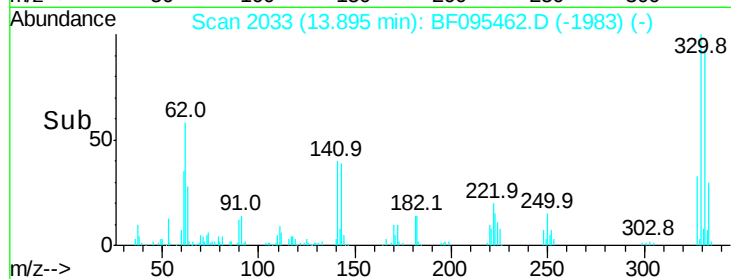
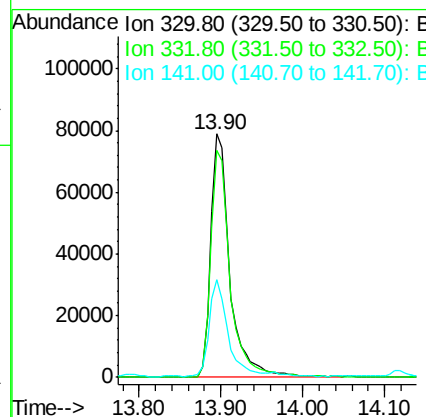
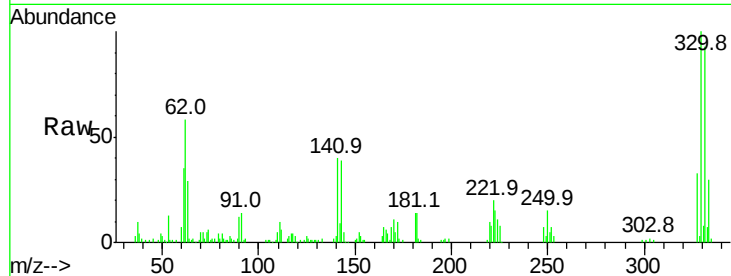
#41
 2,4,6-Tribromophenol
 Concen: 88.56 ng
 RT: 13.90 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095462.D
 Acq: 26 May 2017 15:50

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC7(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	128710		
332	94.8	76.6	115.0	
141	42.5	31.4	47.2	

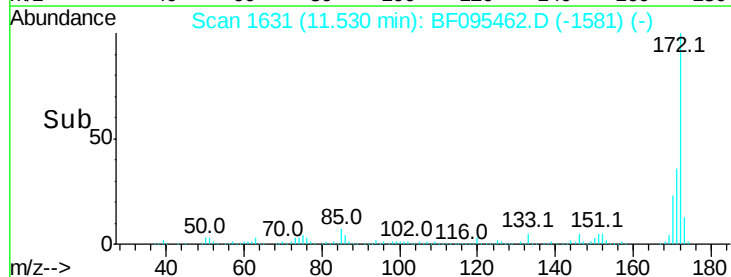
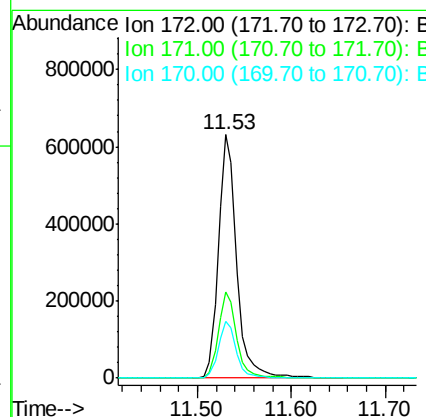
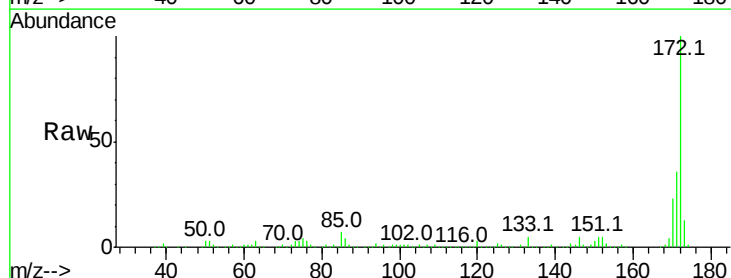
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#44
 2-Fluorobiphenyl
 Concen: 70.10 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095462.D
 Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	864316		
171	35.5	29.6	44.4	
170	23.3	19.8	29.8	





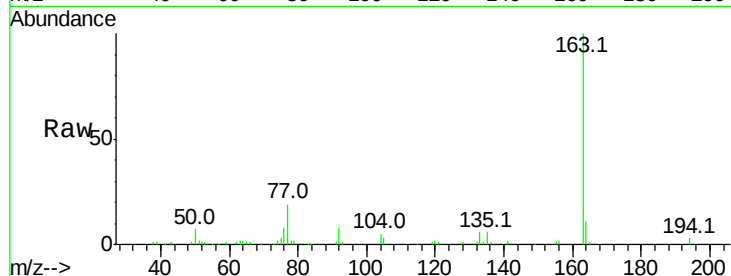
#49
Dimethylphthalate
Concen: 8.29 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	120851		
194	3.1	2.6	4.0	
164	11.1	8.4	12.6	

Manual Integrations
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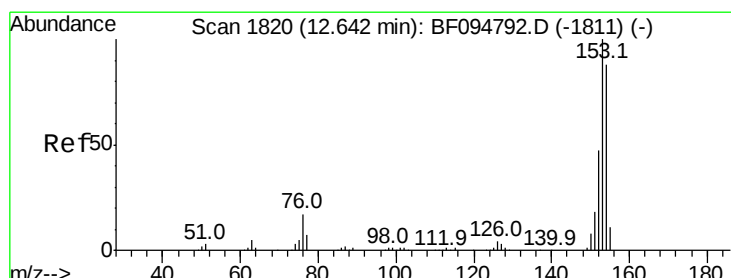
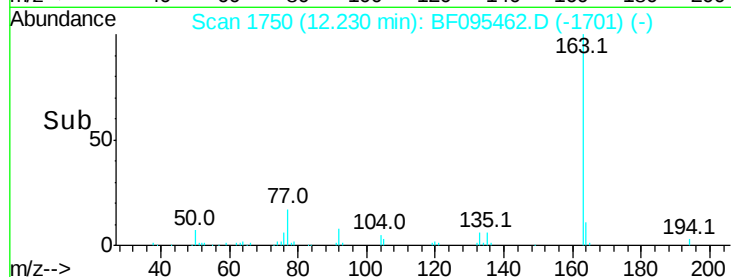
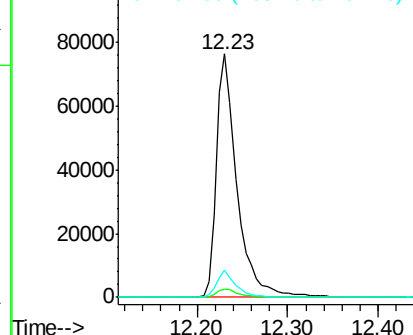


Abundance

Ion 163.00 (162.70 to 163.70): E

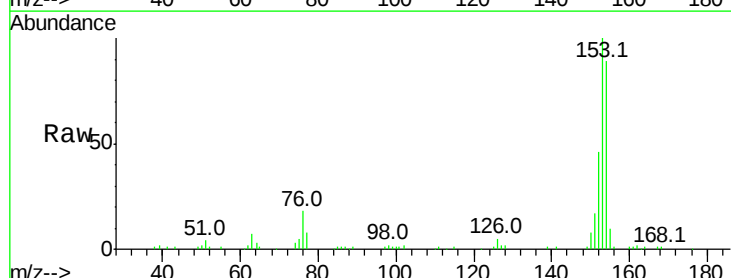
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 9.06 ng
RT: 12.65 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	102308		
153	112.9	90.5	135.7	
152	51.6	43.6	65.4	

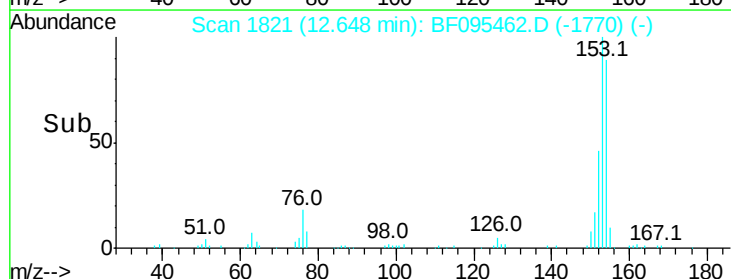
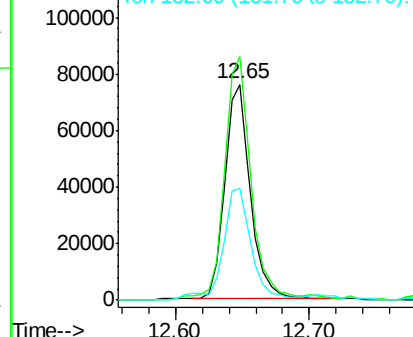


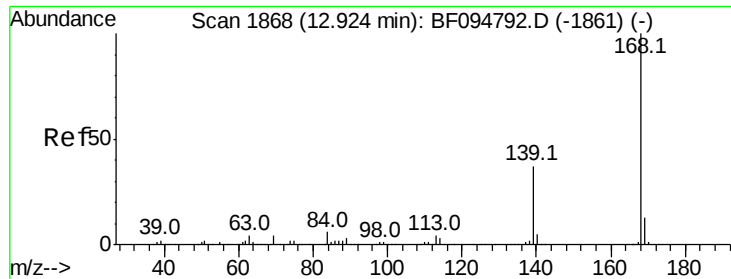
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





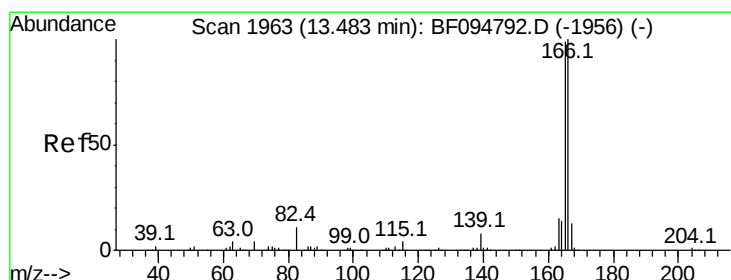
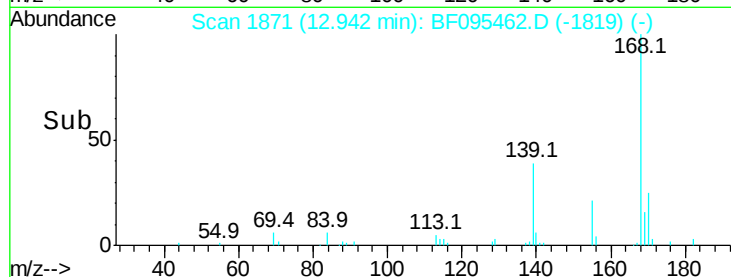
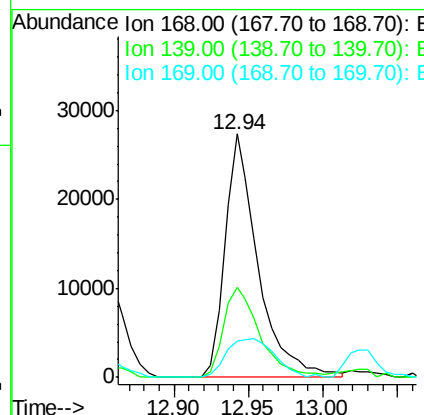
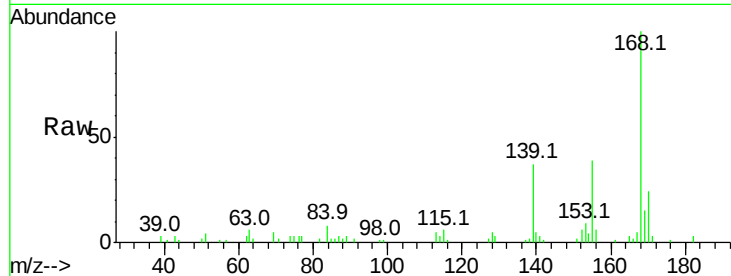
#54
Dibenzenofuran
Concen: 2.71 ng
RT: 12.94 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.6	45.8
169	15.1	10.8	16.2

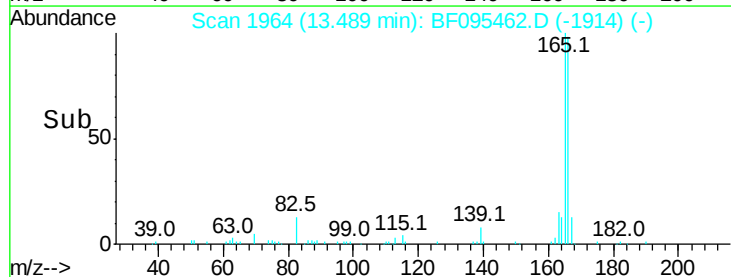
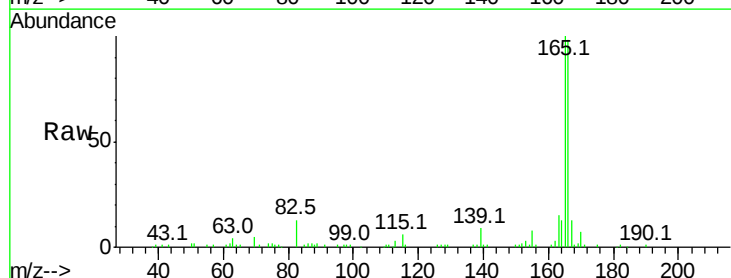
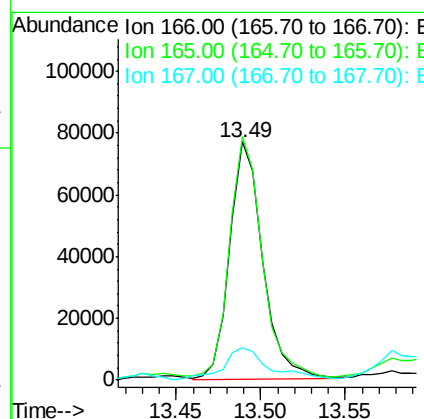
Manual Integrations
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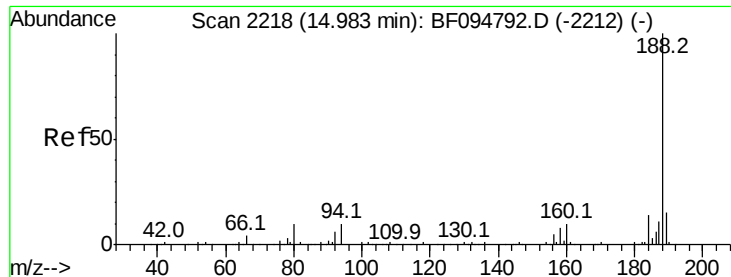
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#57
Fluorene
Concen: 7.74 ng
RT: 13.49 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.3	78.8	118.2
167	13.6	10.6	16.0





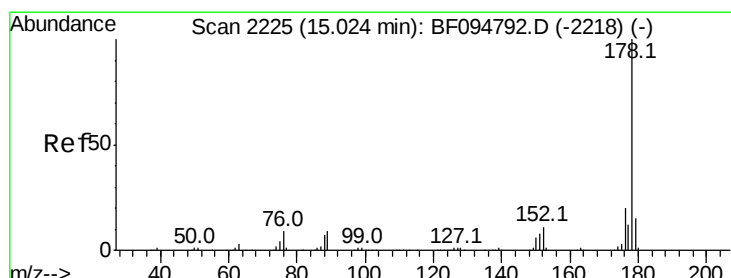
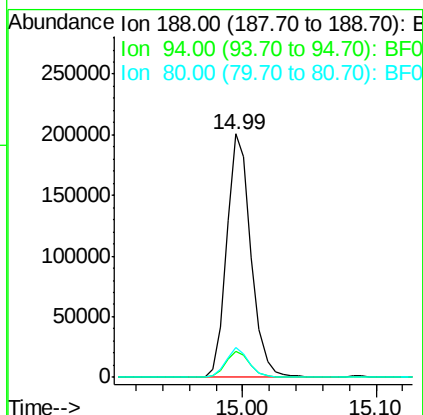
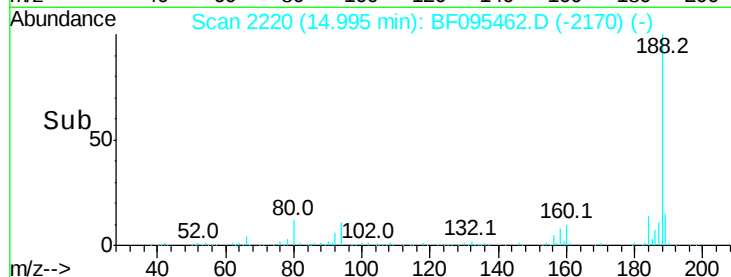
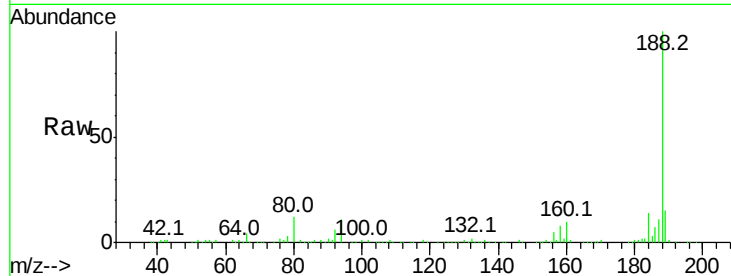
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	255863		
94	10.6		9.4	14.2
80	12.5		10.2	15.2

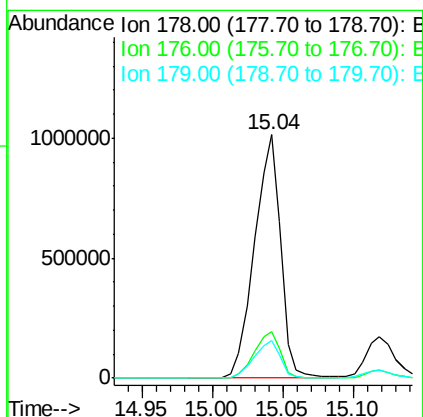
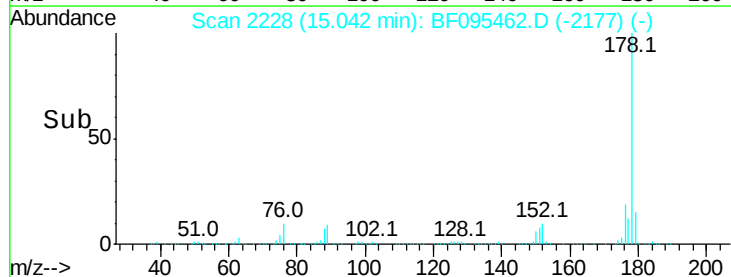
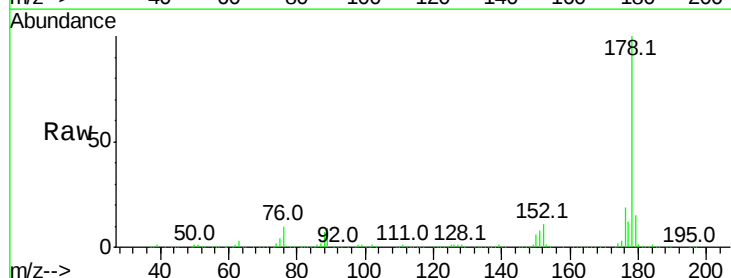
Manual Integrations
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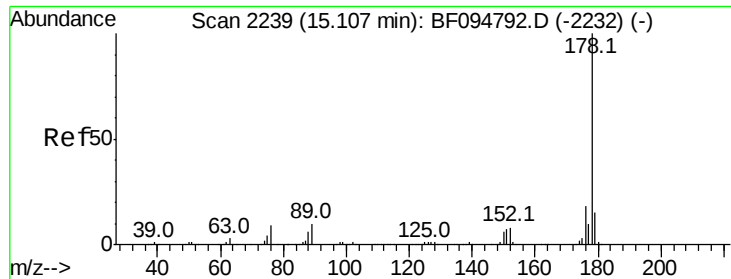
mohammad
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#70
Phenanthrene
Concen: 90.19 ng
RT: 15.04 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1325827		
176	19.1		16.2	24.4
179	15.4		12.6	19.0





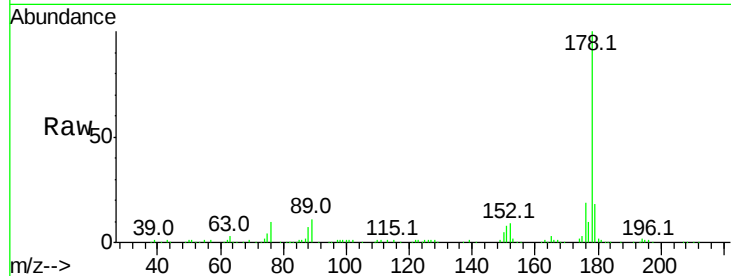
#71
 Anthracene
 Concen: 16.01 ng
 RT: 15.12 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF095462.D
 Acq: 26 May 2017 15:50

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC7(0-4)

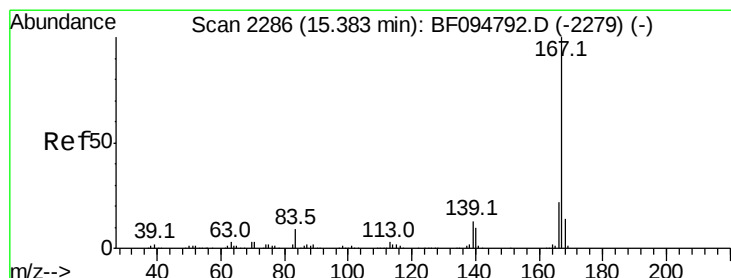
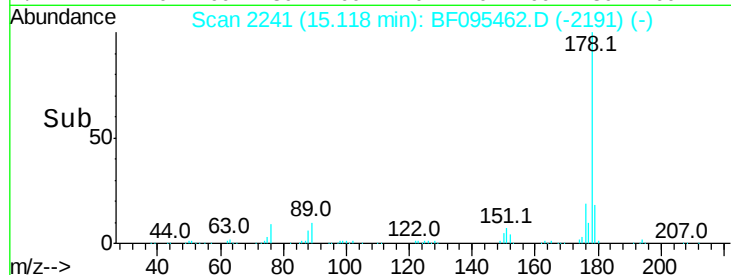
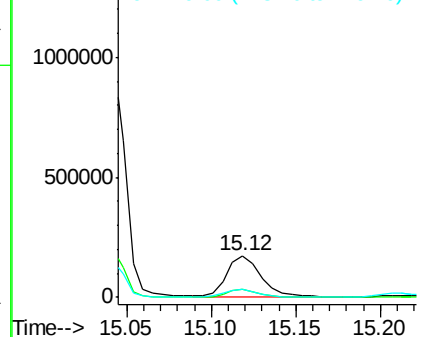
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	18.0	12.7	19.1

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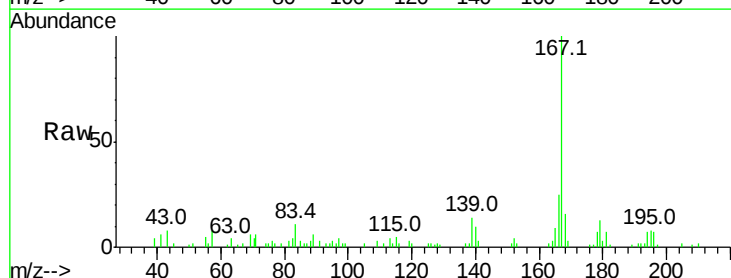


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

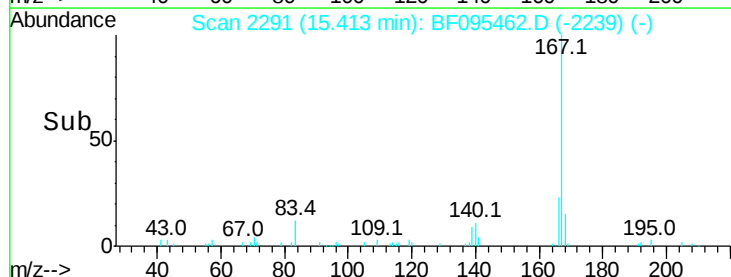
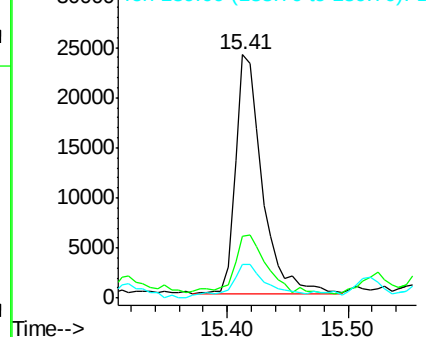


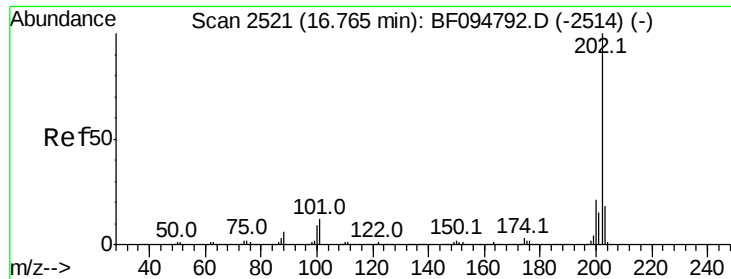
#72
 Carbazole
 Concen: 2.70 ng
 RT: 15.41 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF095462.D
 Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.2	18.1	27.1
139	13.9	11.7	17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 56.21 ng

RT: 16.78 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BF095462.D

Acq: 26 May 2017 15:50

Instrument :

BNA_F

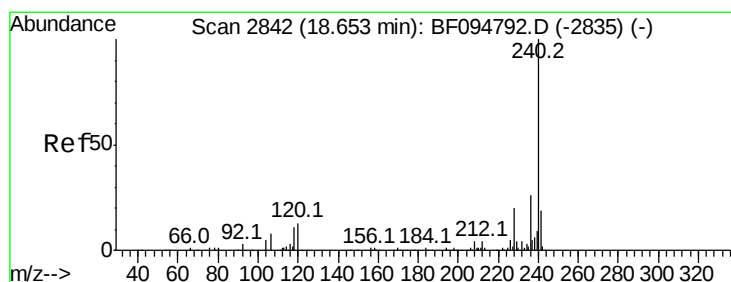
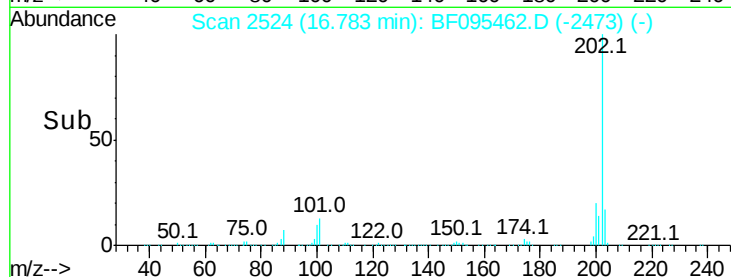
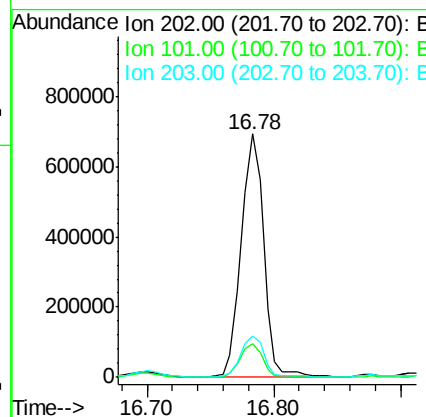
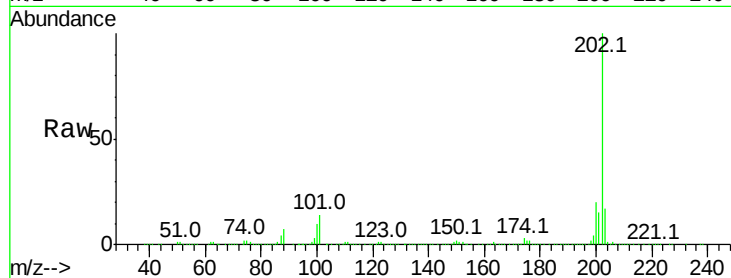
ClientSampleId :

EP1-WC7(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	847677		
101	13.6	0.0	33.2	
203	16.8	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

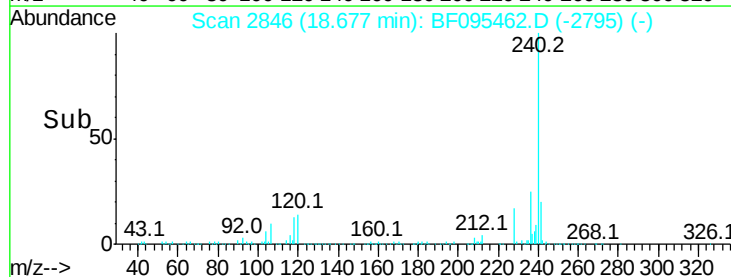
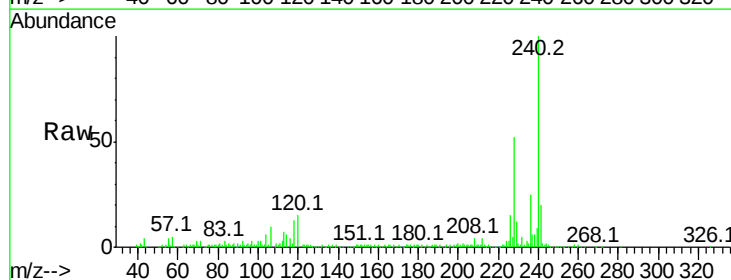
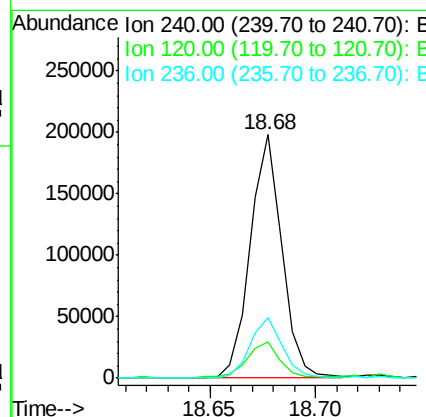
RT: 18.68 min Scan# 2846

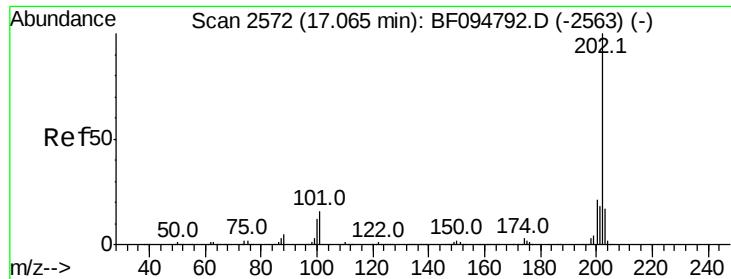
Delta R.T. 0.00 min

Lab File: BF095462.D

Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	204934		
120	14.8	5.8	8.8#	
236	24.9	20.5	30.7	





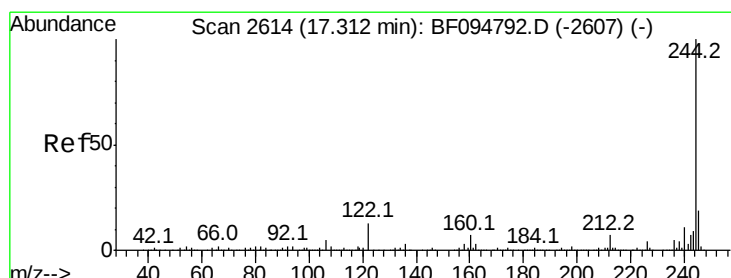
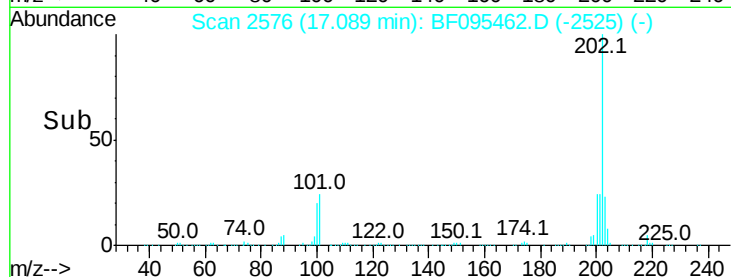
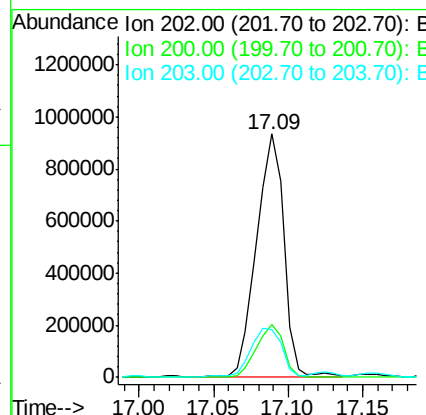
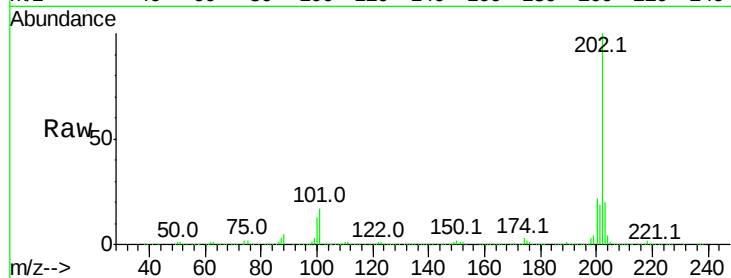
#77
Pvrene
Concen: 76.65 ng
RT: 17.09 min Scan# 2576
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	19.7	14.4	21.6

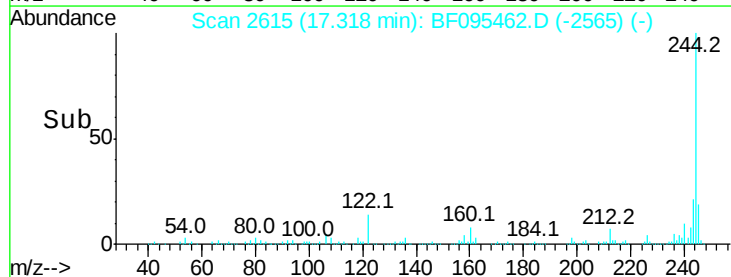
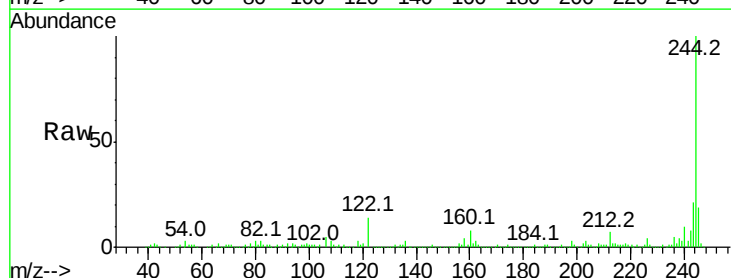
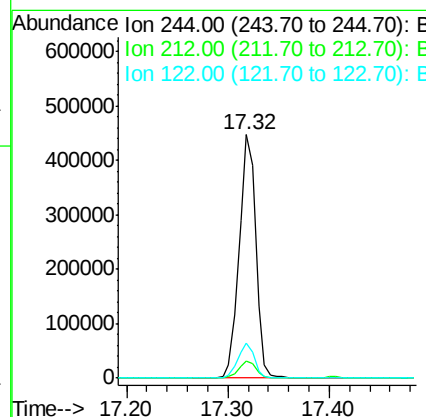
Manual Integrations
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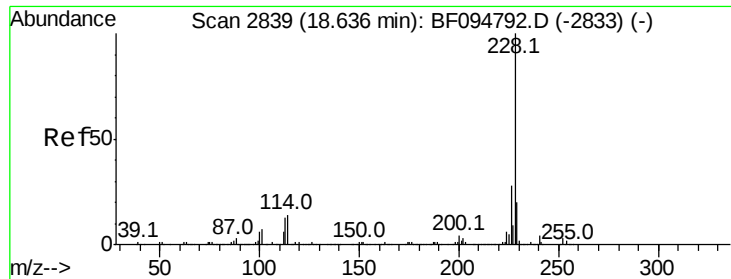
mohammad
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#78
Terphenyl-d14
Concen: 54.99 ng
RT: 17.32 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.4	10.3	15.5





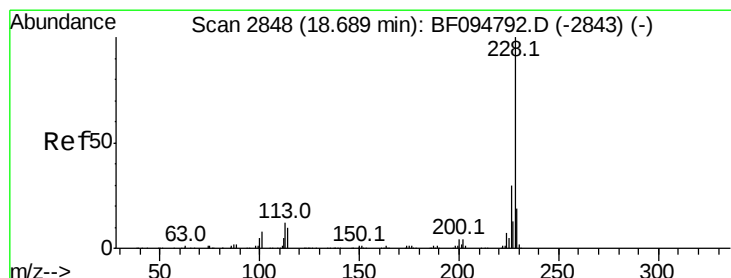
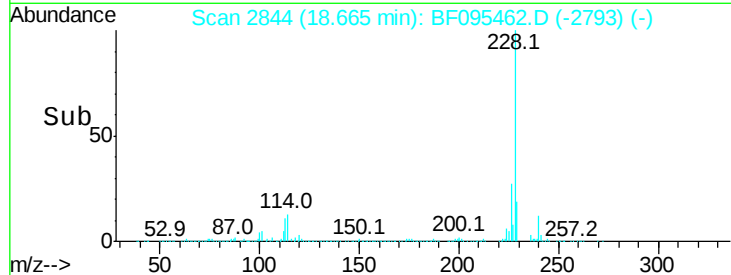
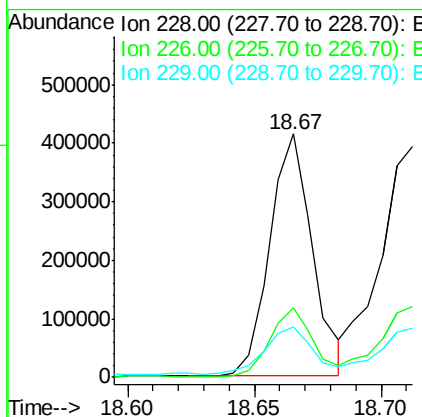
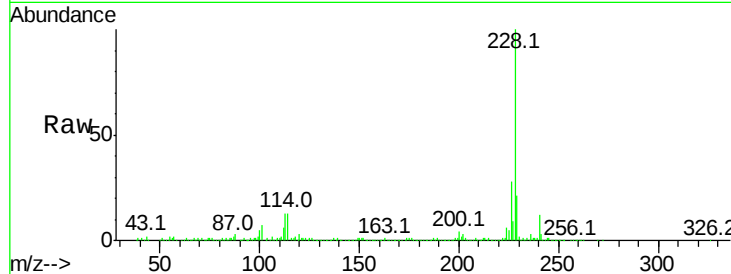
#80
Benzo(a)anthracene
Concen: 40.85 ng
RT: 18.67 min Scan# 2844
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.9	16.3	24.5

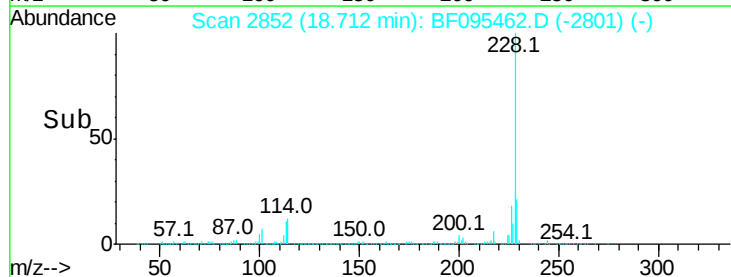
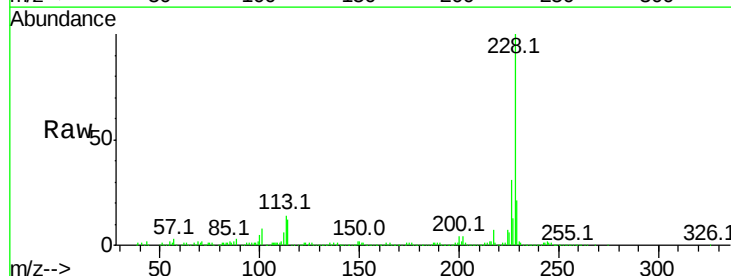
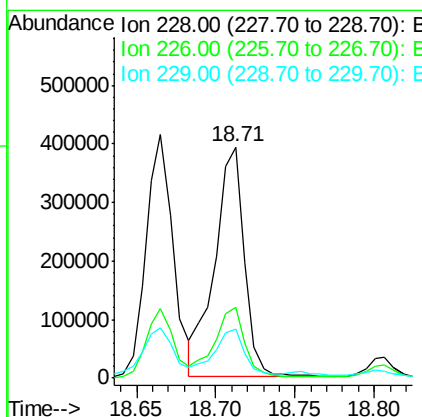
Manual Integrations
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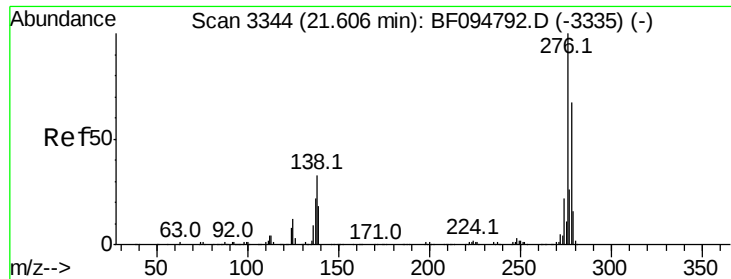
mohammad
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#82
Chrysene
Concen: 44.10 ng
RT: 18.71 min Scan# 2852
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	21.3	15.8	23.6





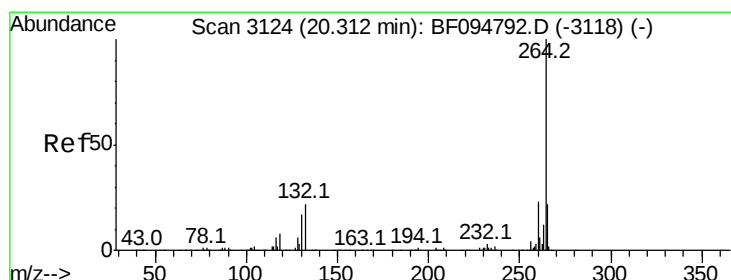
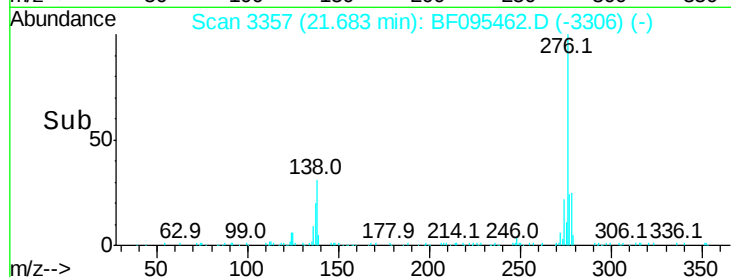
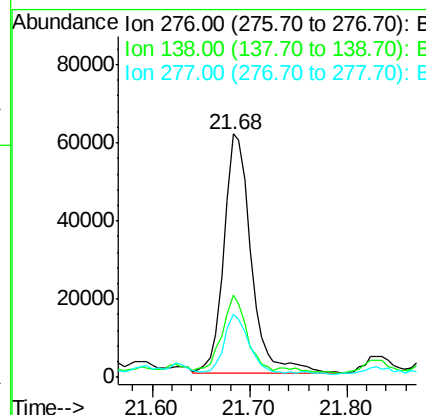
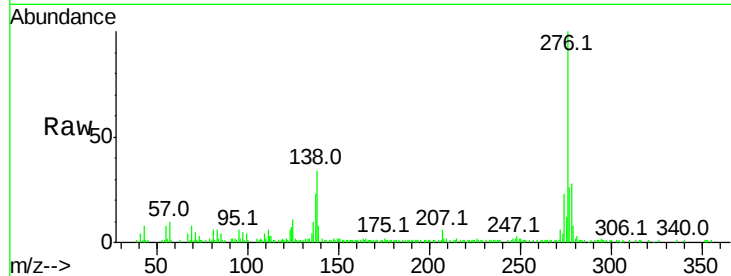
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.65 ng
RT: 21.68 min Scan# 3357
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	27.8	41.6
277	21.7	20.2	30.4

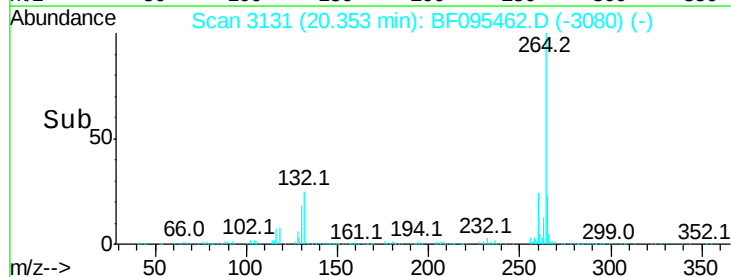
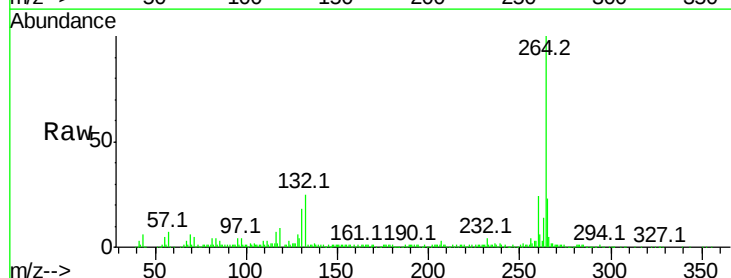
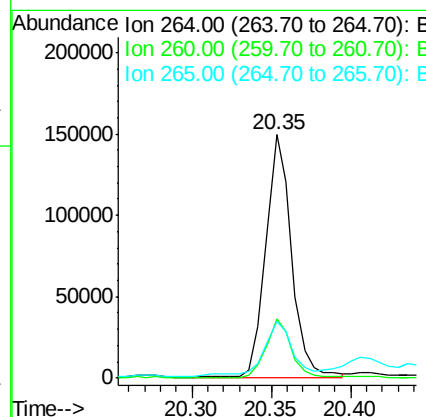
Manual Integrations
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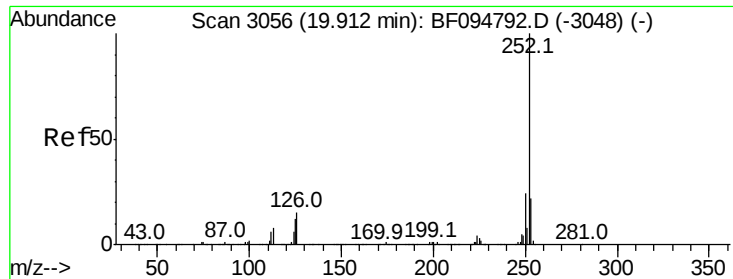
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	23.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 35.10 ng m

RT: 19.95 min Scan# 3062

Delta R.T. 0.01 min

Lab File: BF095462.D

Acq: 26 May 2017 15:50

Instrument :

BNA_F

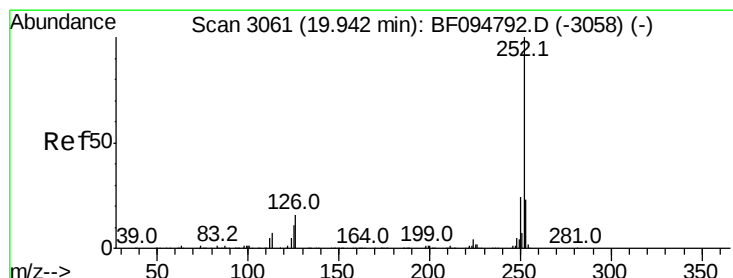
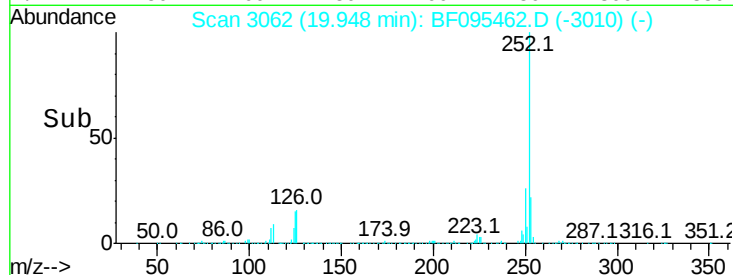
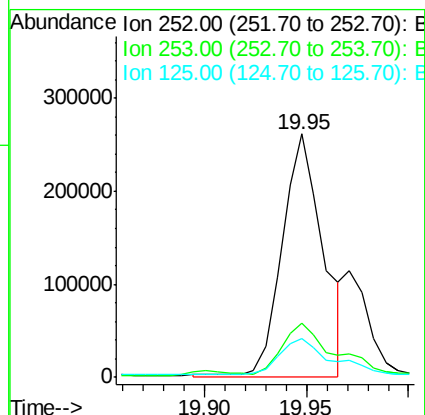
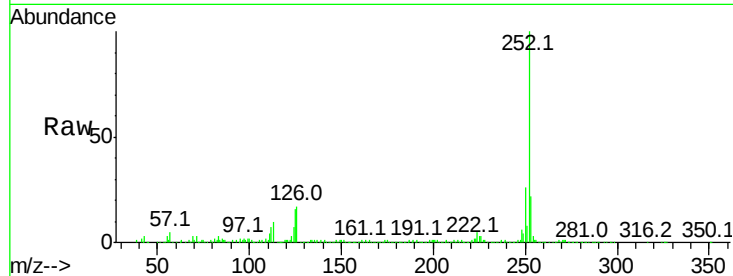
ClientSampleId :

EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	15.8	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 10.11 ng m

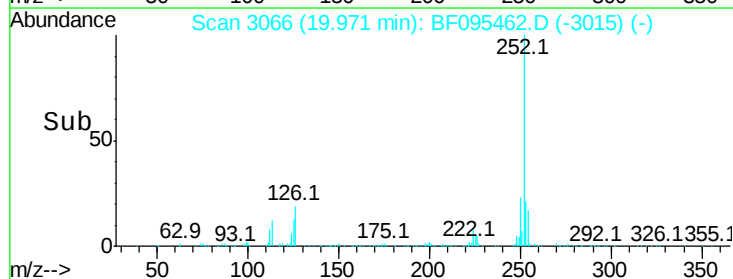
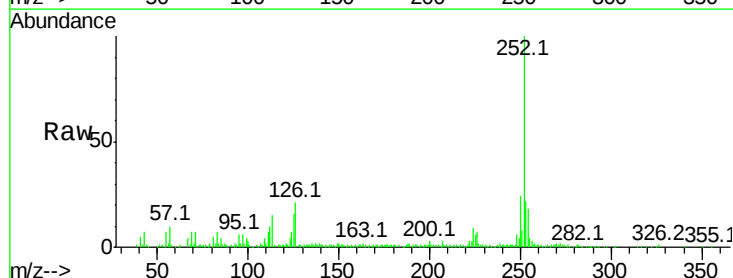
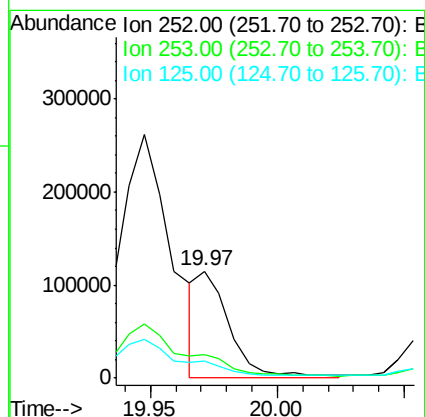
RT: 19.97 min Scan# 3066

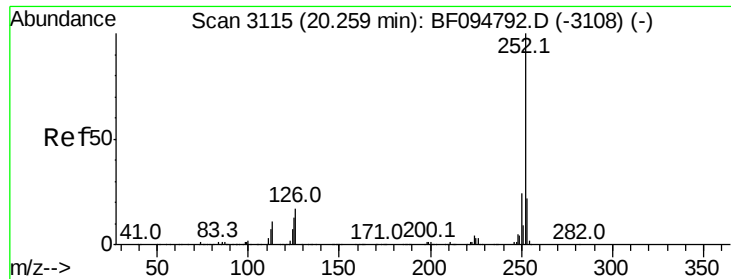
Delta R.T. 0.00 min

Lab File: BF095462.D

Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	15.8	13.1	19.7





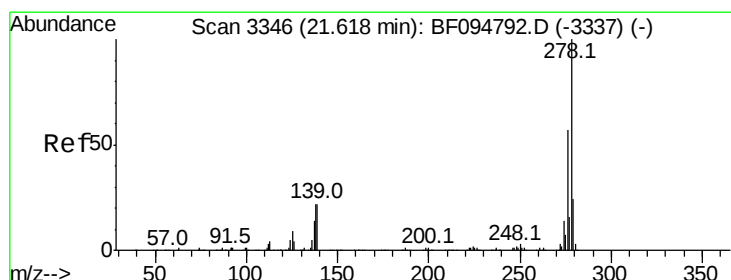
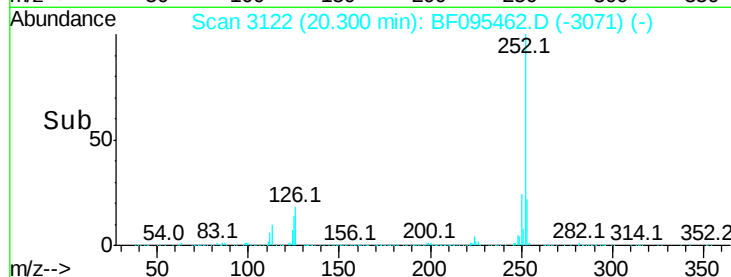
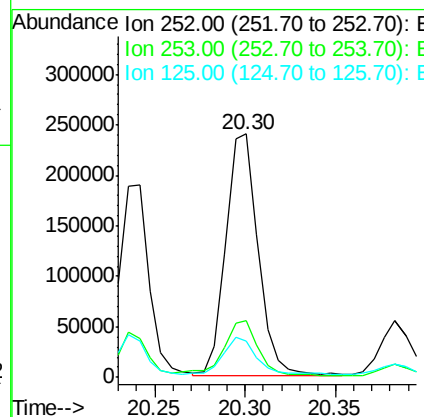
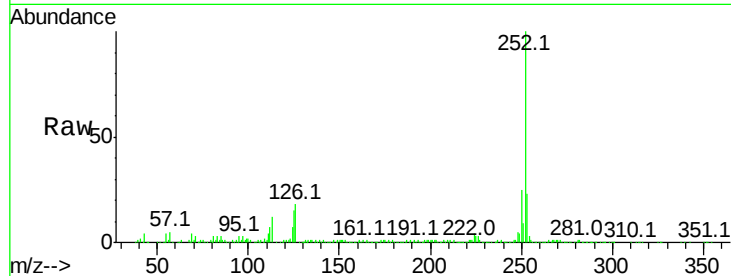
#89
Benzo(a)pyrene
Concen: 30.72 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.1	11.0	16.4

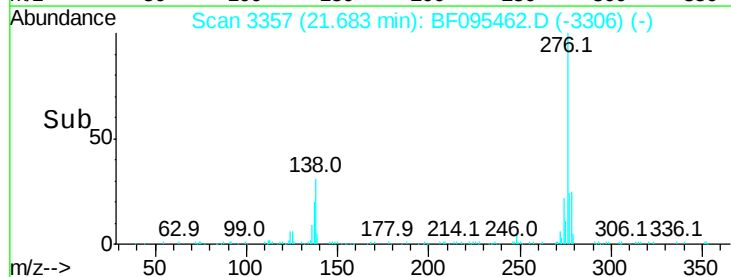
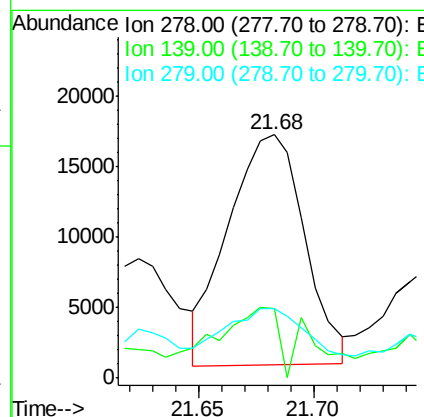
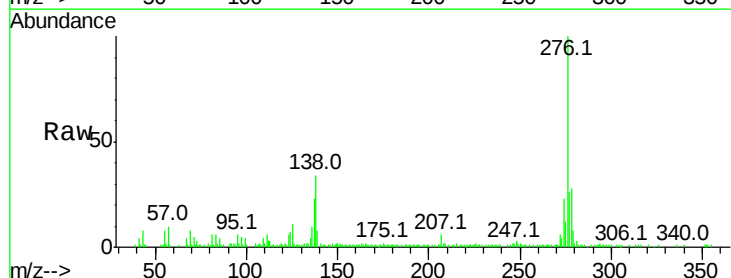
Manual Integrations
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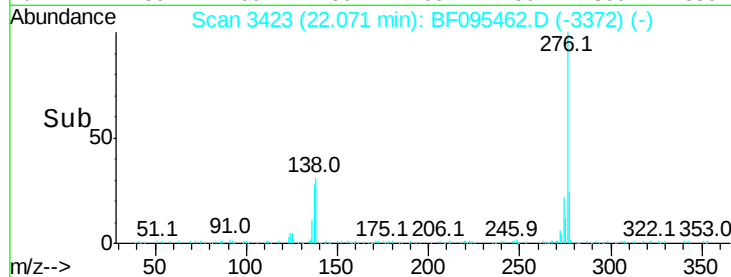
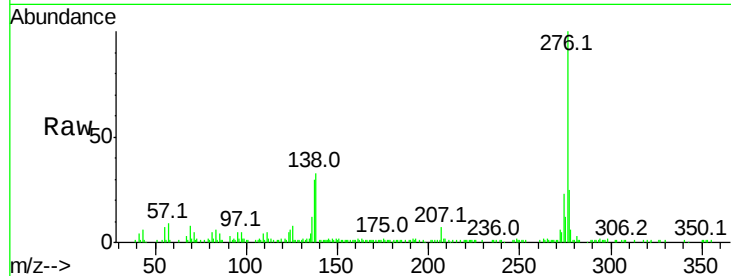
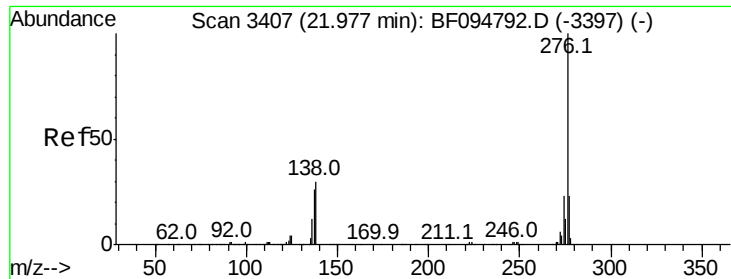
mohammad
5/30/2017 1:36:06 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.70 ng
RT: 21.68 min Scan# 3357
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.8	16.6	24.8#
279	28.3	19.3	28.9





#91
Benzo(a,h,i)perylene
Concen: 16.16 ng
RT: 22.07 min Scan# 3423
Delta R.T. 0.00 min
Lab File: BF095462.D
Acq: 26 May 2017 15:50

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	32.6	25.4	38.0

Manual Integrations
APPROVED

mohammad
5/30/2017 1:36:06 PM

