

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095565.D
 Acq On : 31 May 2017 15:51
 Operator : SJ/MA
 Sample : I3329-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15(3-9)

Manual Integrations
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Quant Time: Jun 01 04:31:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 04:09:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	108467	20.00	ng	0.00
21) Naphthalene-d8	9.58	136	464478	20.00	ng	0.00
38) Acenaphthene-d10	12.41	164	212408	20.00	ng	0.00
63) Phenanthrene-d10	14.81	188	388241	20.00	ng	0.00
75) Chrysene-d12	18.51	240	285367	20.00	ng	0.00
86) Perylene-d12	20.18	264	210469	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1025548	157.63	ng	0.00
7) Phenol-d6	7.11	99	1206044	154.50	ng	0.00
23) Nitrobenzene-d5	8.47	82	732795	99.49	ng	0.00
41) 2,4,6-Tribromophenol	13.71	330	265856	152.83	ng	0.00
44) 2-Fluorobiphenyl	11.36	172	1344655	91.12	ng	0.00
78) Terphenyl-d14	17.17	244	1067174	82.37	ng	0.00

Target Compounds					Qvalue	
31) Naphthalene	9.62	128	62853	2.69	ng	99
49) Dimethylphthalate	12.05	163	281107	16.12	ng	98
51) Acenaphthene	12.46	154	66742	4.94	ng	99
54) Dibenzofuran	12.75	168	70585	3.78	ng	98
57) Fluorene	13.30	166	84721	5.21	ng	97
70) Phenanthrene	14.85	178	986379	44.22	ng	98
71) Anthracene	14.94	178	232651	10.21	ng	95
72) Carbazole	15.23	167	90875	4.38	ng	97
74) Fluoranthene	16.61	202	820835	35.87	ng	99
77) Pyrene	16.91	202	726586	34.04	ng	95
80) Benzo(a)anthracene	18.49	228	278846	16.79	ng	98
82) Chrysene	18.54	228	258690	16.11	ng	98
85) Indeno(1,2,3-cd)pyrene	21.42	276	88978	6.82	ng	94
87) Benzo(b)fluoranthene	19.77	252	217468	16.72	ng	97
88) Benzo(k)fluoranthene	19.80	252	57118m	4.55	ng	
89) Benzo(a)pyrene	20.12	252	166784	13.90	ng	98
90) Dibenzo(a,h)anthracene	21.42	278	21536m	2.17	ng	
91) Benzo(g,h,i)perylene	21.78	276	86033	8.85	ng	99

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

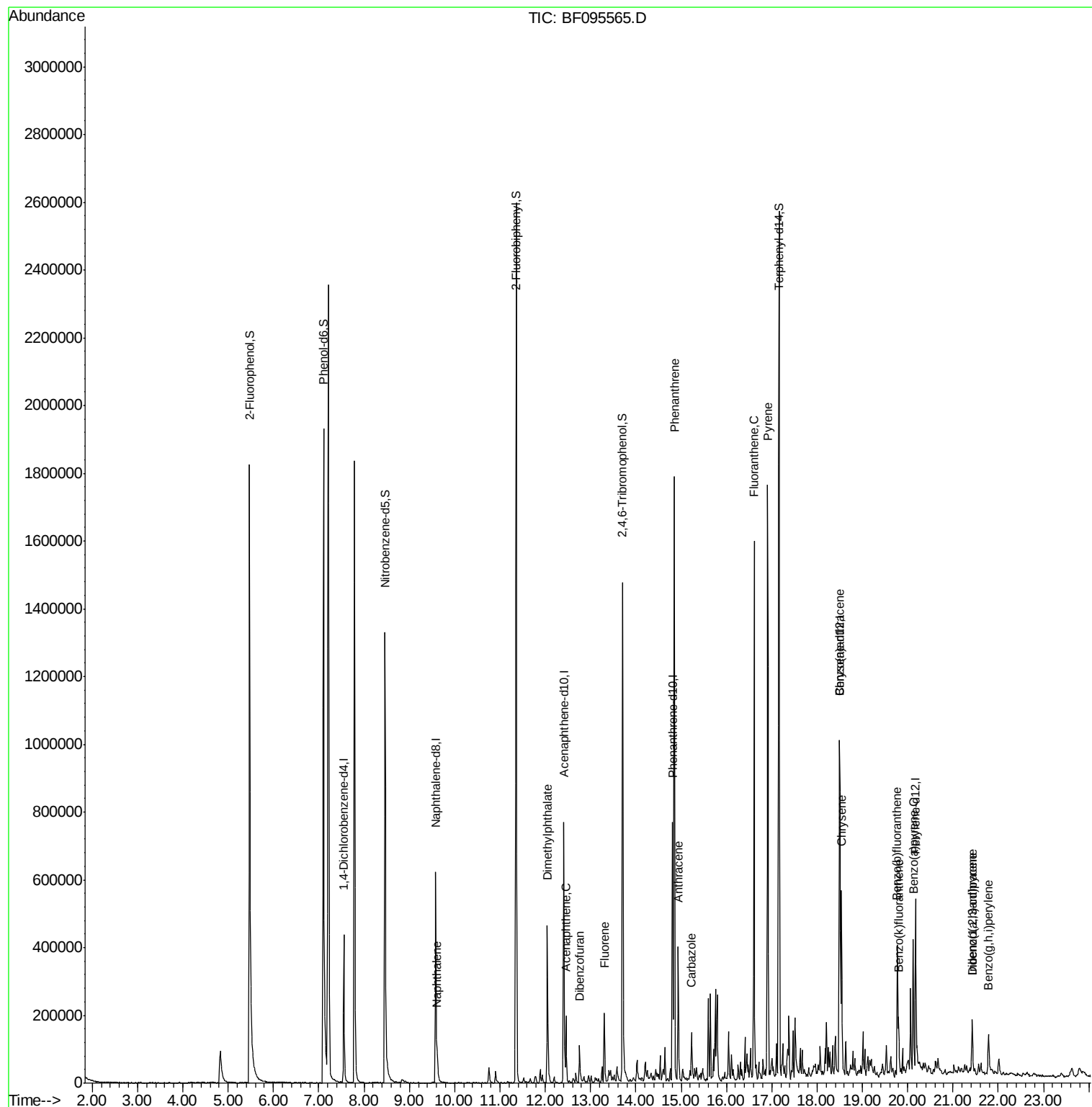
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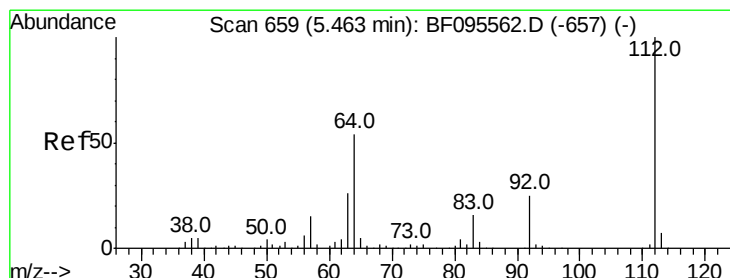
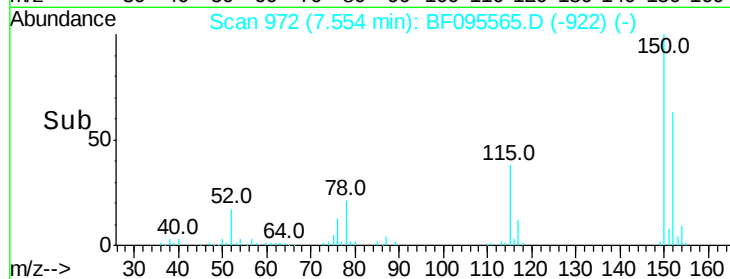
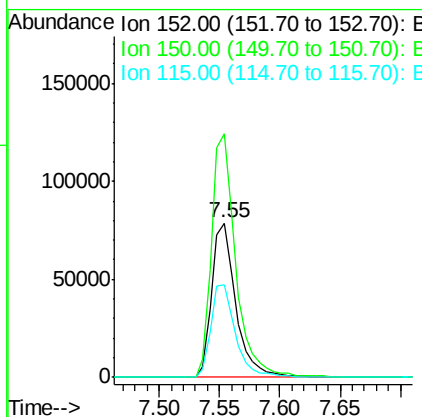
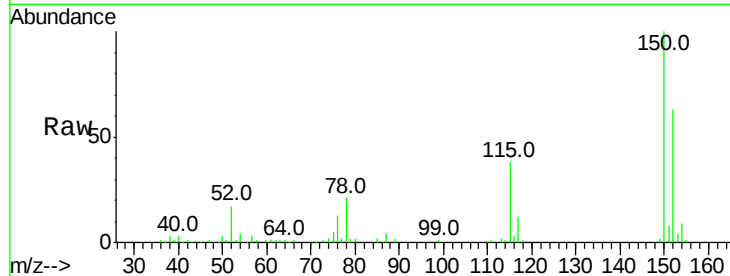
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.55 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BF095565.D
 Acq: 31 May 2017 15:51

Instrument :
 BNA_F
 ClientSampleId :
 B-15(3-9)

Tot Ion:	152	Resp:	108467
Ion Ratio	Lower	Upper	
152	100		
150	157.5	126.2	189.2
115	59.9	52.2	78.2

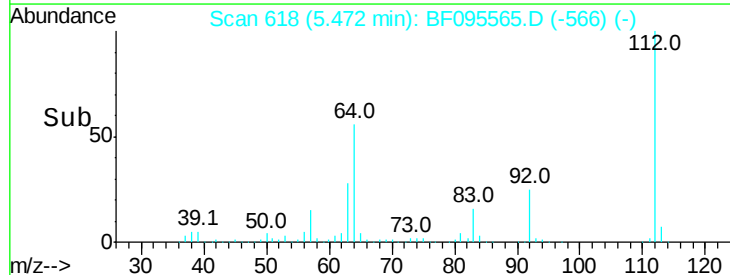
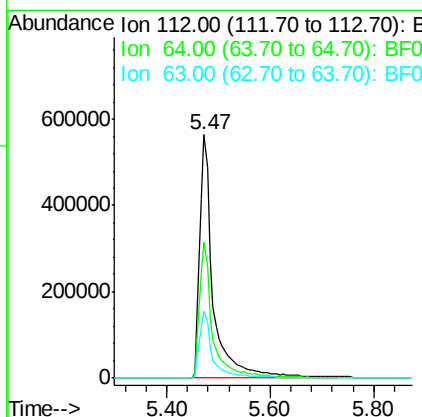
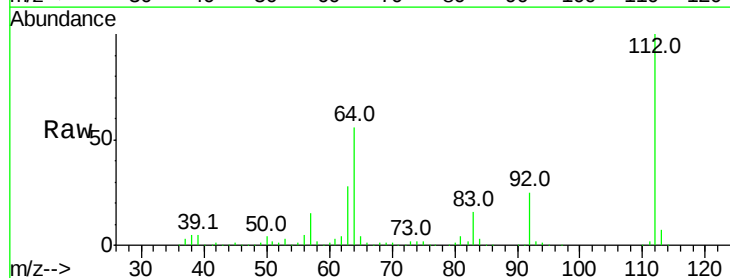
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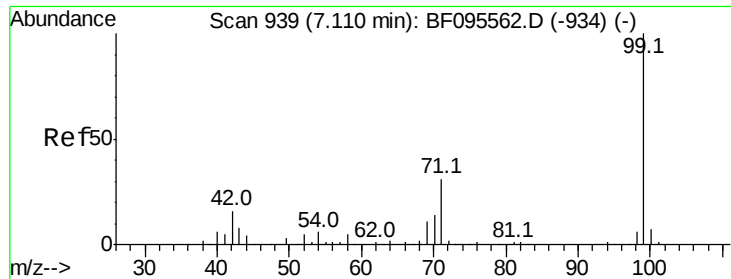
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#5
 2-Fluorophenol
 Concen: 157.63 ng
 RT: 5.47 min Scan# 618
 Delta R.T. 0.01 min
 Lab File: BF095565.D
 Acq: 31 May 2017 15:51

Tgt Ion:	112	Resp:	1025548
Ion Ratio	Lower	Upper	
112	100		
64	56.1	46.0	69.0
63	27.6	23.4	35.0





#7

Phenol-d6

Concen: 154.50 ng

RT: 7.11 min Scan# 896

Delta R.T. -0.00 min

Lab File: BF095565.D

Acq: 31 May 2017 15:51

Instrument :

BNA_F

ClientSampleId :

B-15(3-9)

Tot Ion: 99 Resp: 1206044

Ion Ratio Lower Upper

99 100

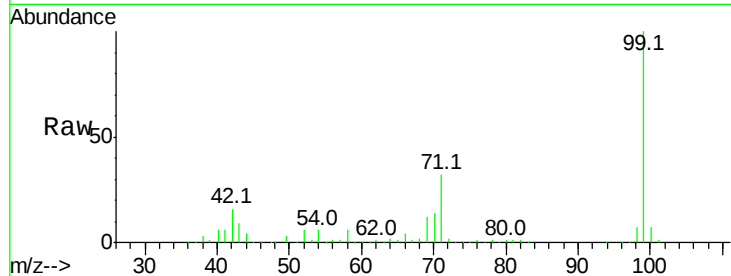
42 16.4 13.5 20.3

71 32.1 24.5 36.7

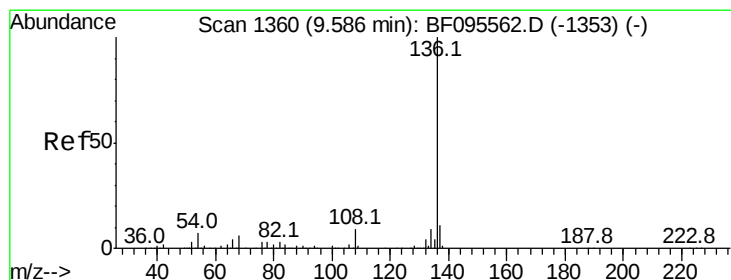
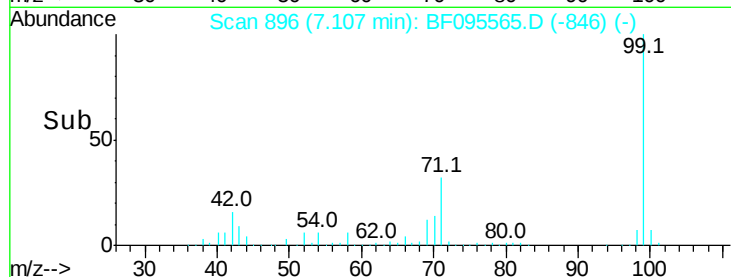
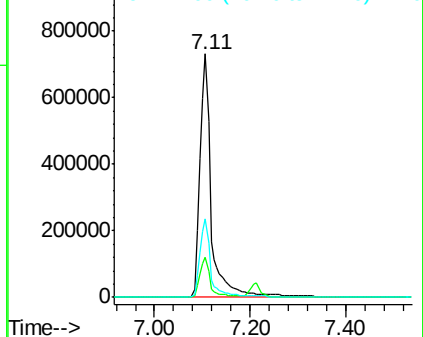
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.58 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF095565.D

Acq: 31 May 2017 15:51

Tgt Ion: 136 Resp: 464478

Ion Ratio Lower Upper

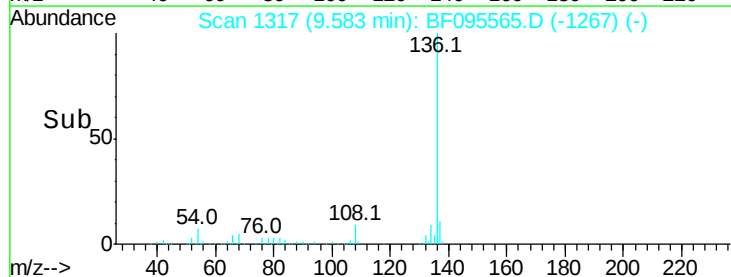
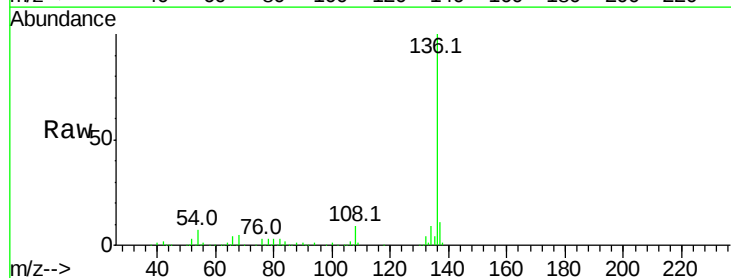
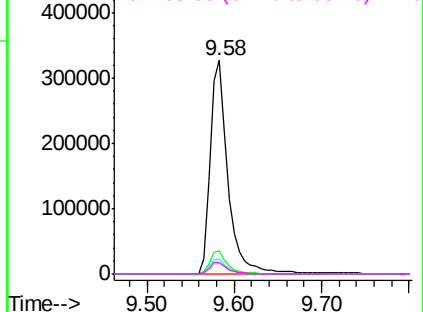
136 100

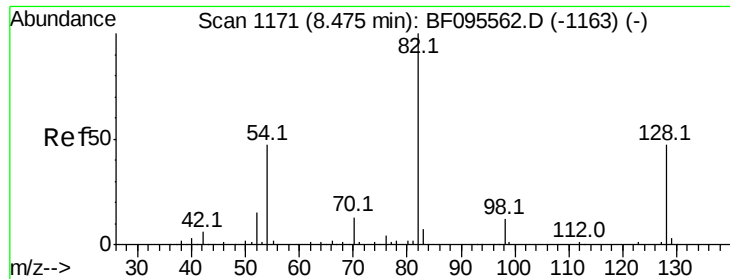
137 10.5 8.5 12.7

54 7.0 4.9 7.3

68 5.4 4.1 6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





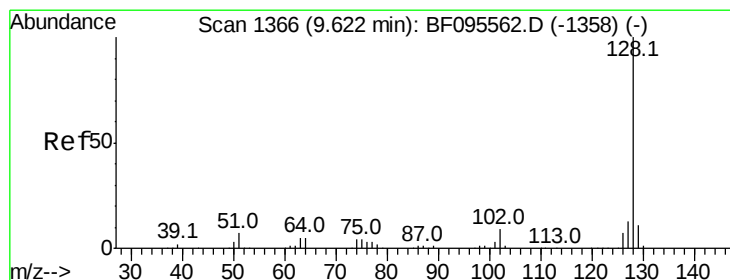
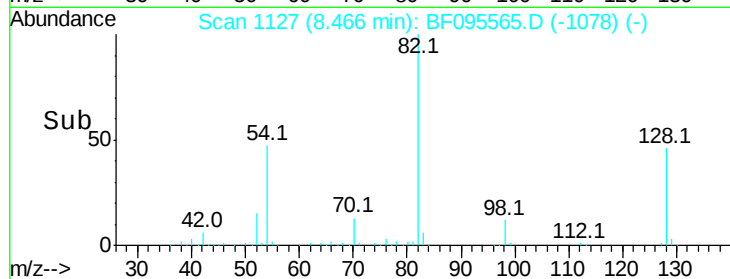
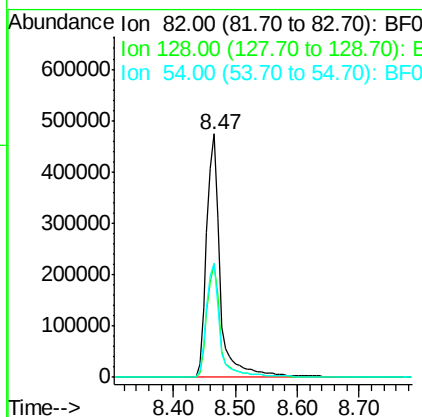
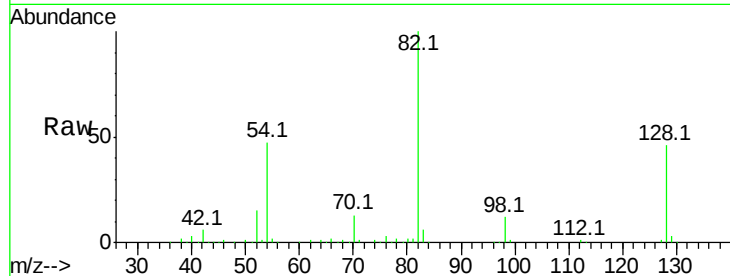
#23
Nitrobenzene-d5
Concen: 99.49 ng
RT: 8.47 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-15(3-9)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.0	51.0
54	47.2	42.2	63.2

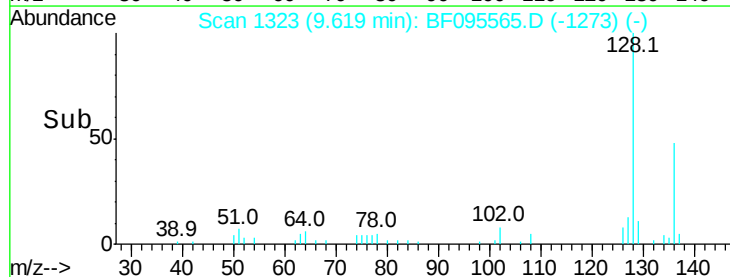
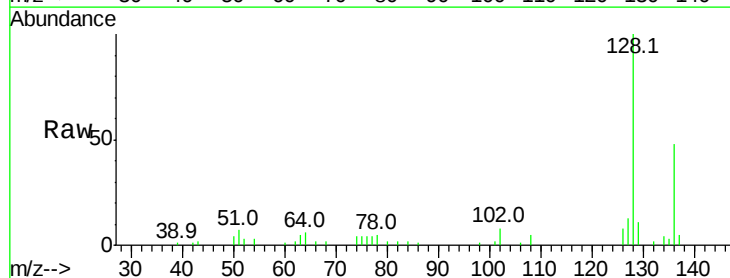
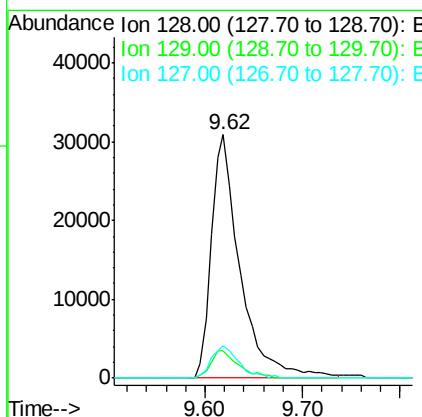
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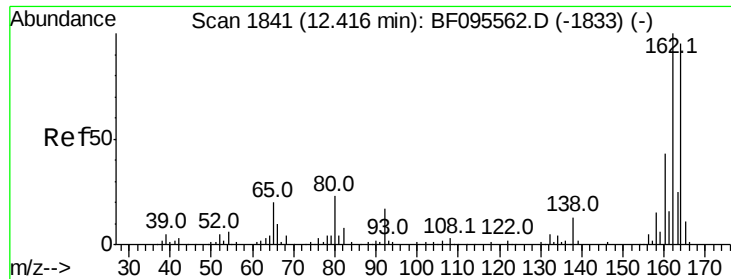
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#31
Naphthalene
Concen: 2.69 ng
RT: 9.62 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.1	10.8	16.2





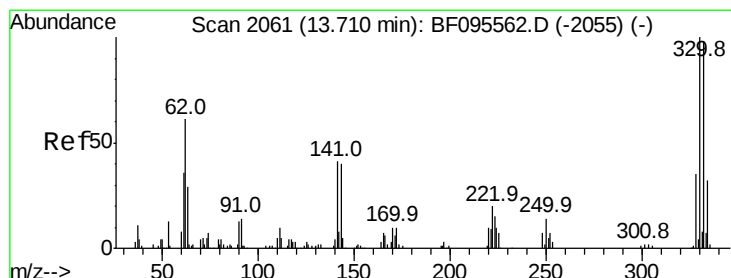
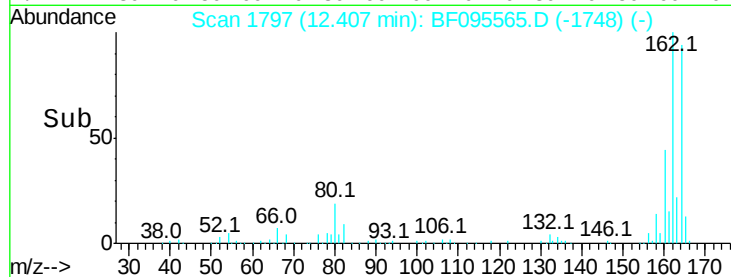
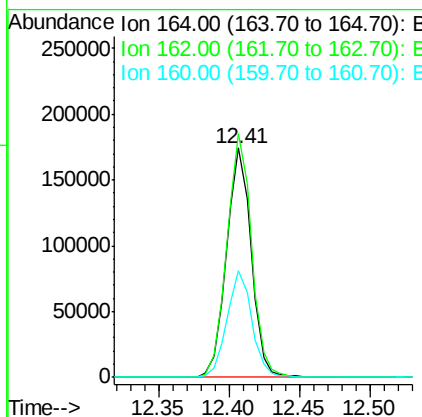
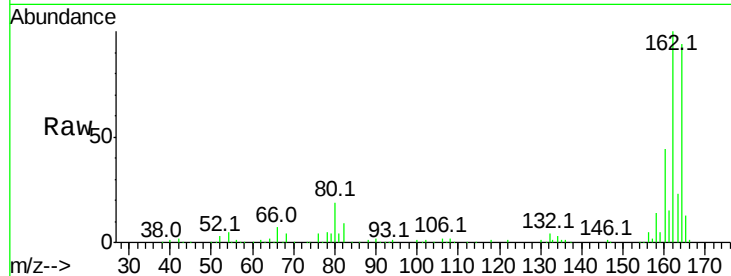
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.41 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Instrument :
BNA_F
ClientSampled :
B-15(3-9)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.3	82.6	123.8	
160	46.4	36.2	54.2	

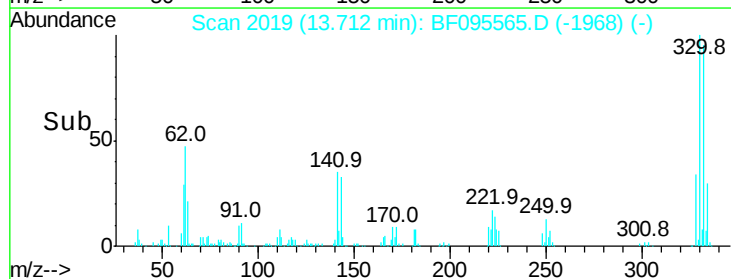
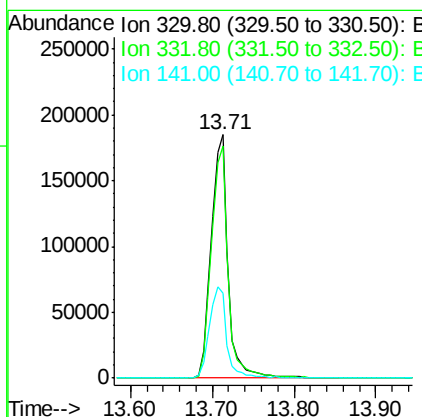
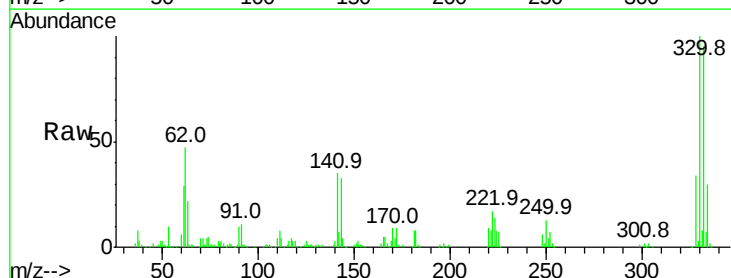
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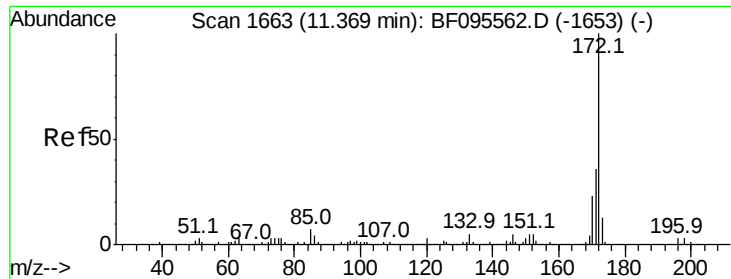
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#41
2,4,6-Tribromophenol
Concen: 152.83 ng
RT: 13.71 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.9	76.6	115.0	
141	39.0	31.4	47.2	





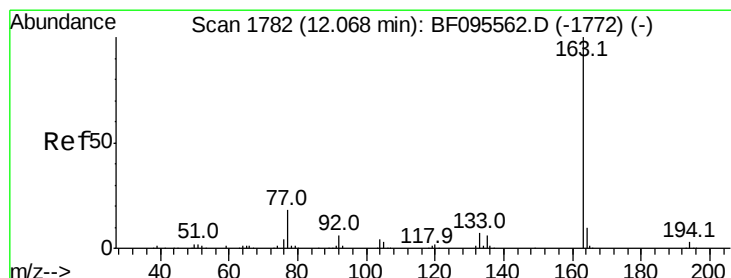
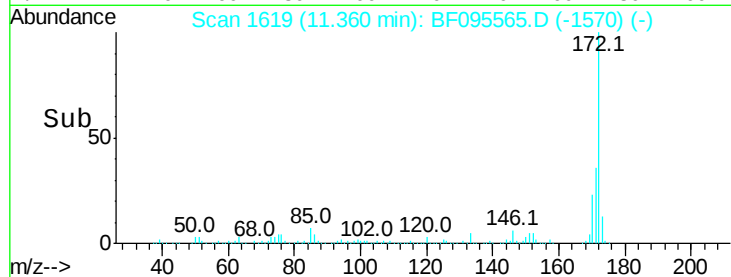
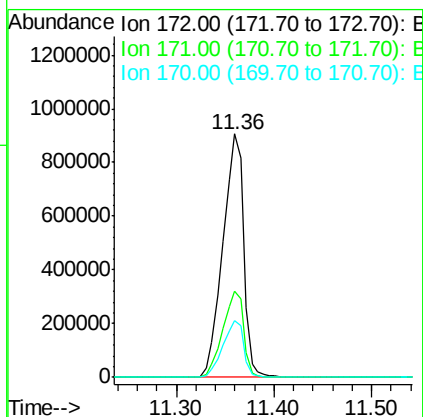
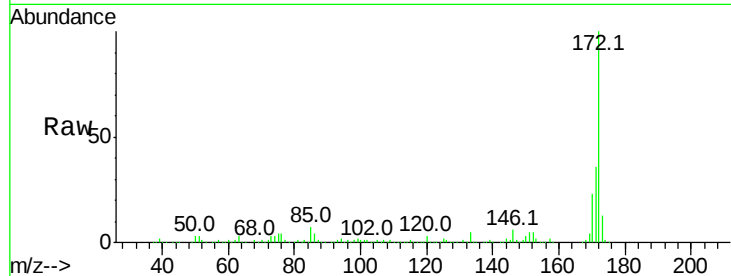
#44
2-Fluorobiphenyl
Concen: 91.12 ng
RT: 11.36 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-15(3-9)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.4	19.8	29.8

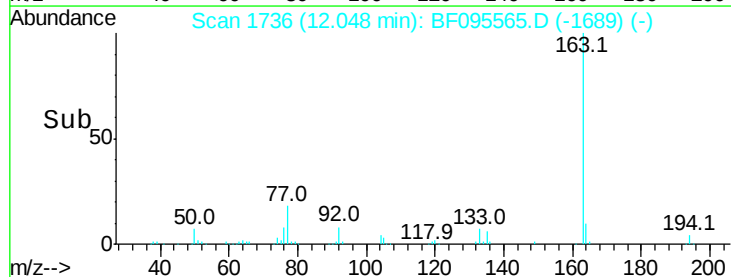
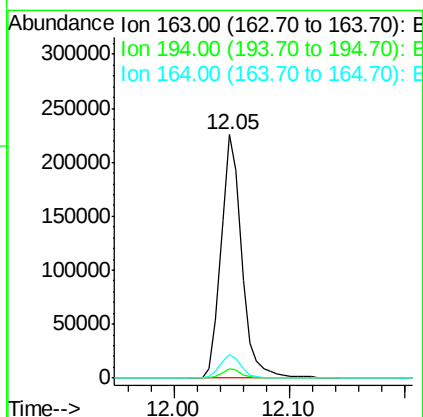
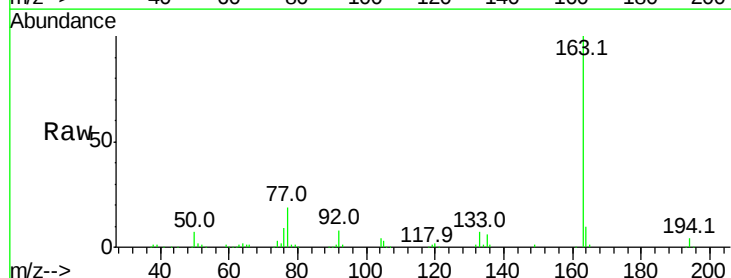
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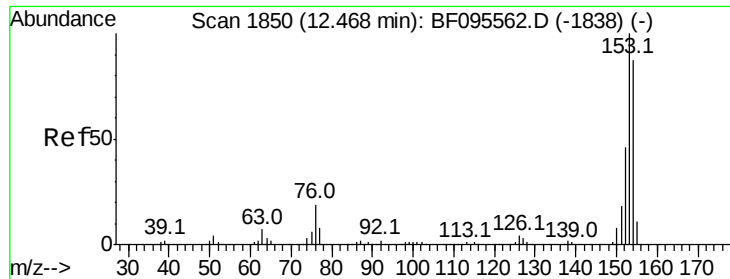
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#49
Dimethylphthalate
Concen: 16.12 ng
RT: 12.05 min Scan# 1736
Delta R.T. -0.02 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	9.9	8.4	12.6





#51

Acenaphthene

Concen: 4.94 ng

RT: 12.46 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF095565.D

Acq: 31 May 2017 15:51

Instrument :

BNA_F

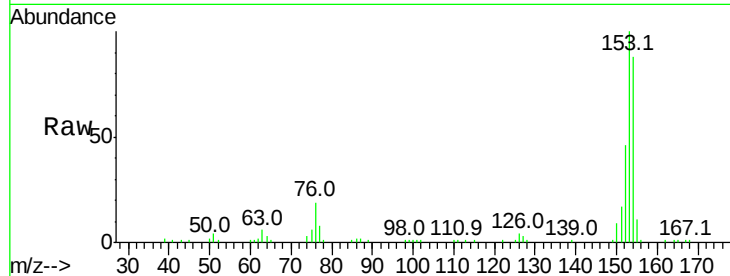
ClientSampleId :

B-15(3-9)

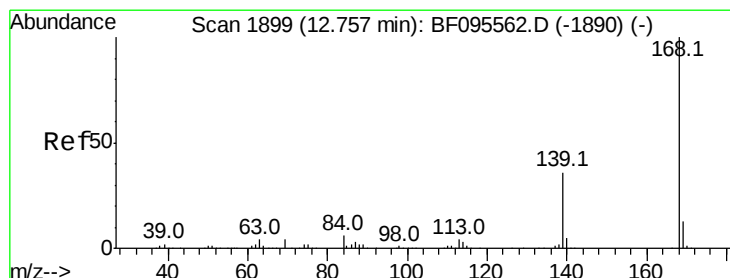
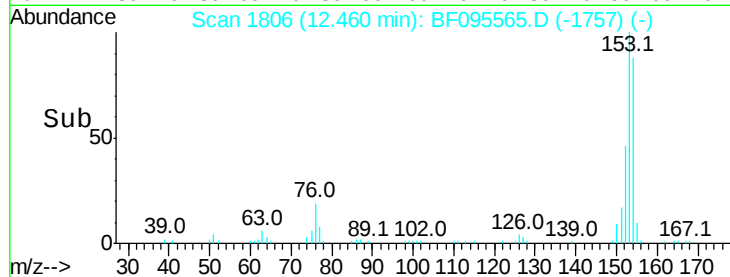
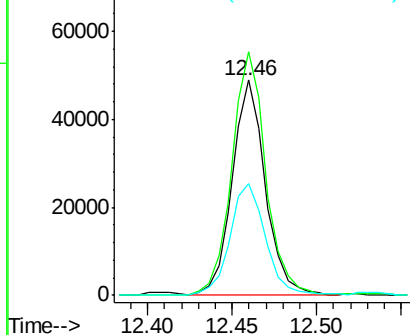
Tot Ion:	154	Resp:	66742
Ion Ratio	Lower	Upper	
154	100		
153	113.1	90.5	135.7
152	51.7	43.6	65.4

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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

Dibenzofuran

Concen: 3.78 ng

RT: 12.75 min Scan# 1856

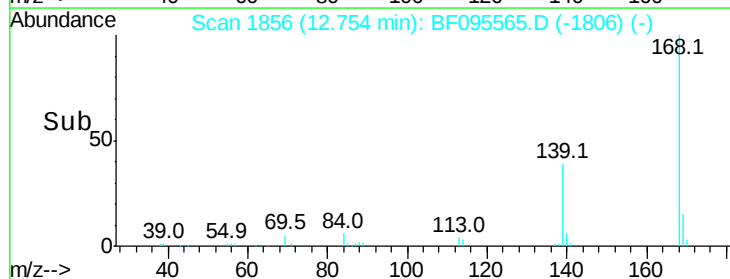
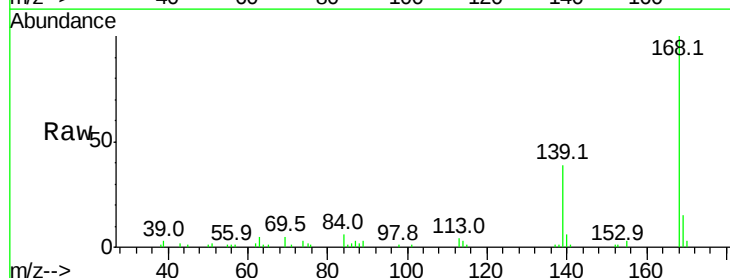
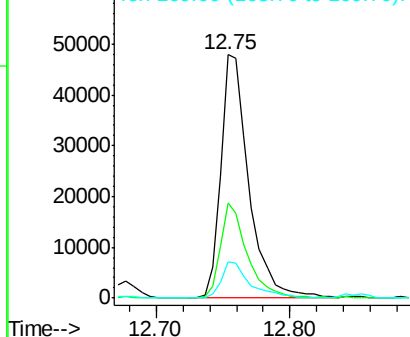
Delta R.T. -0.00 min

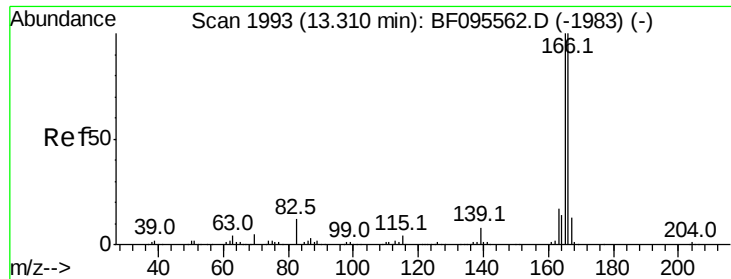
Lab File: BF095565.D

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Tgt Ion:	168	Resp:	70585
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.6	45.8
169	14.8	10.8	16.2

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 5.21 ng

RT: 13.30 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BF095565.D

Acq: 31 May 2017 15:51

Instrument :

BNA_F

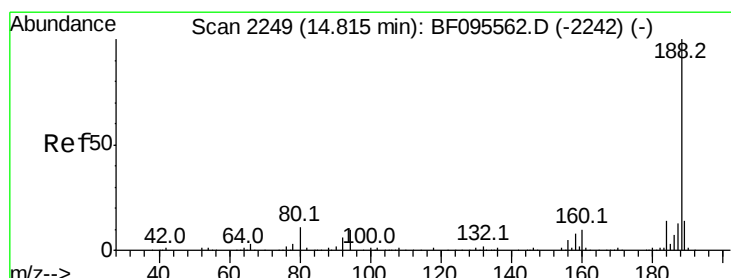
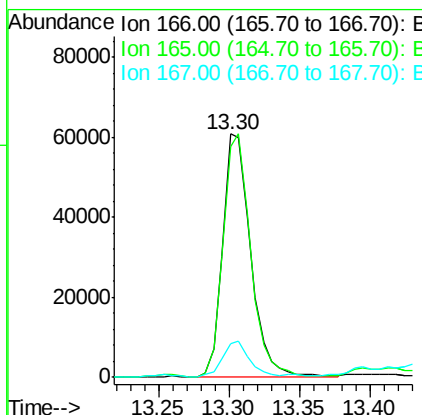
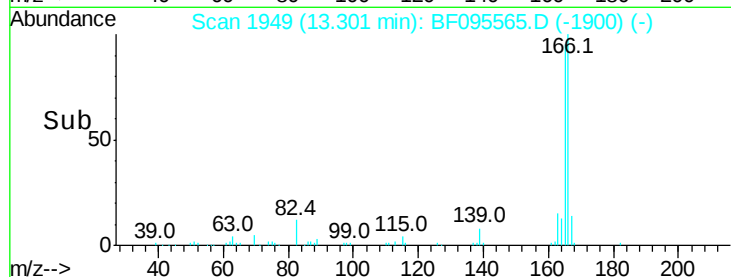
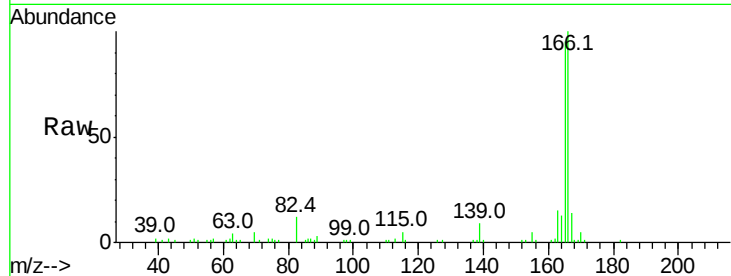
ClientSampleId :

B-15(3-9)

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.0	78.8	118.2
167	14.1	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

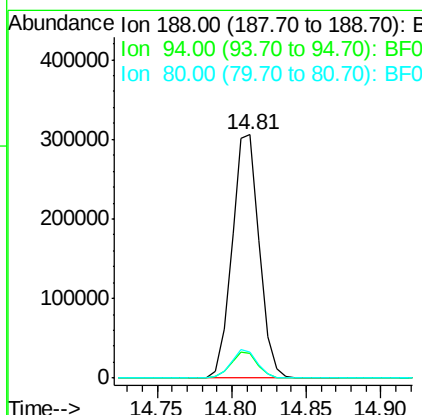
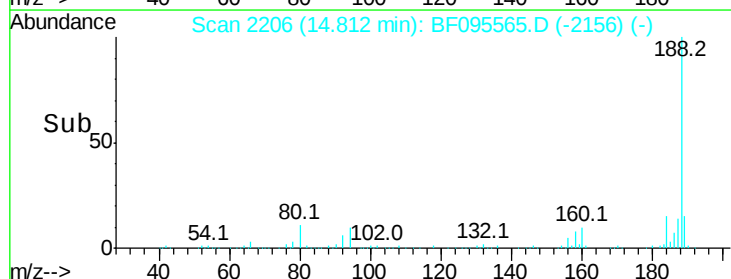
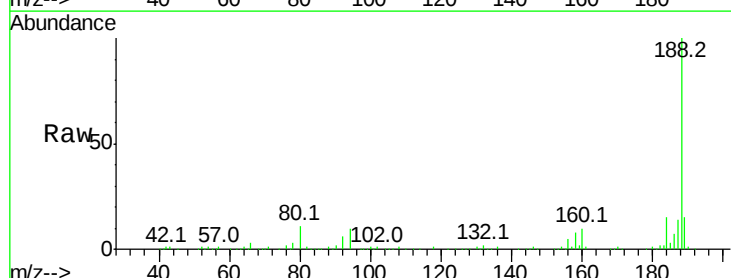
RT: 14.81 min Scan# 2206

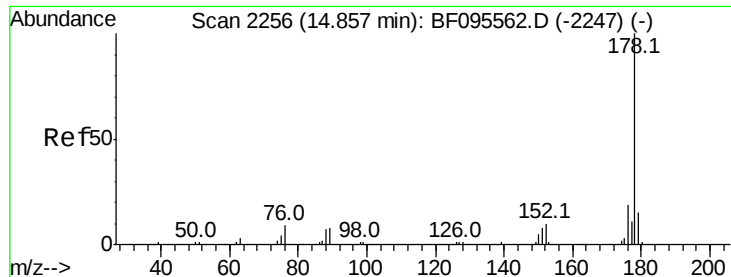
Delta R.T. -0.00 min

Lab File: BF095565.D

Acq: 31 May 2017 15:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	10.9	10.2	15.2





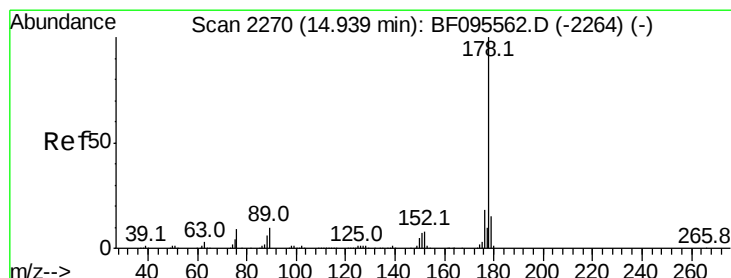
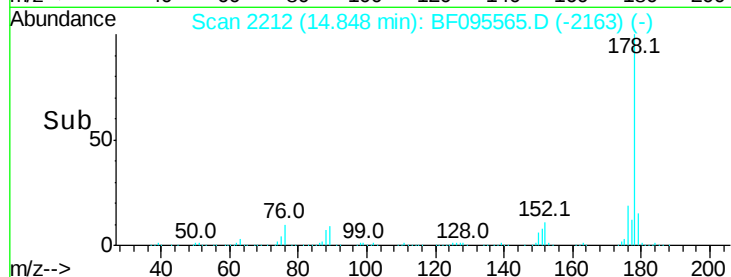
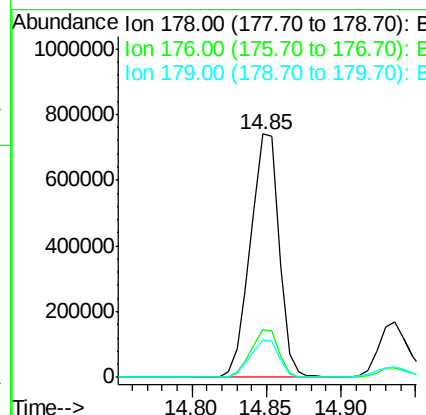
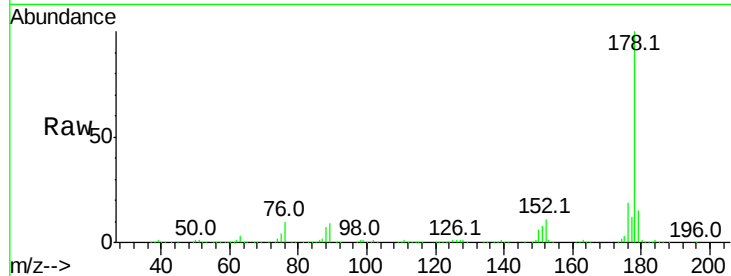
#70
Phenanthrene
Concen: 44.22 ng
RT: 14.85 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-15(3-9)

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

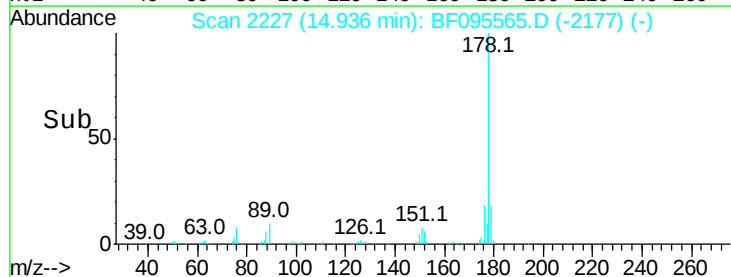
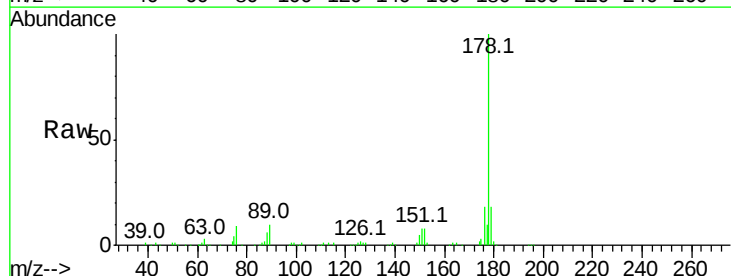
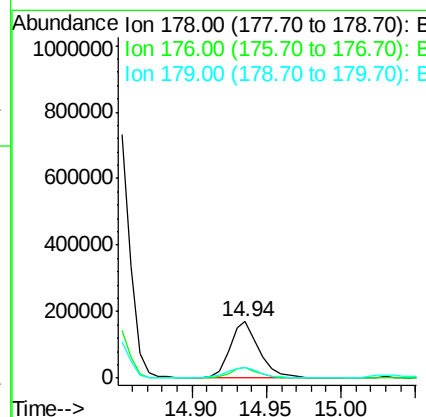
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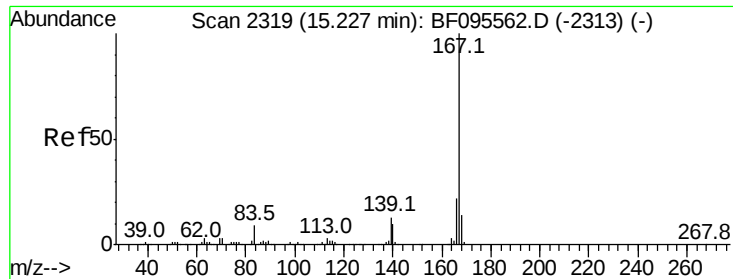
mohammad
6/1/2017 2:19:53 PM



#71
Anthracene
Concen: 10.21 ng
RT: 14.94 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	18.2	12.7	19.1





#72

Carbazole

Concen: 4.38 ng

RT: 15.23 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BF095565.D

Acq: 31 May 2017 15:51

Instrument :

BNA_F

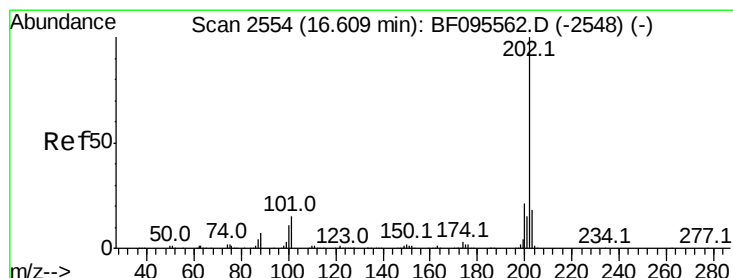
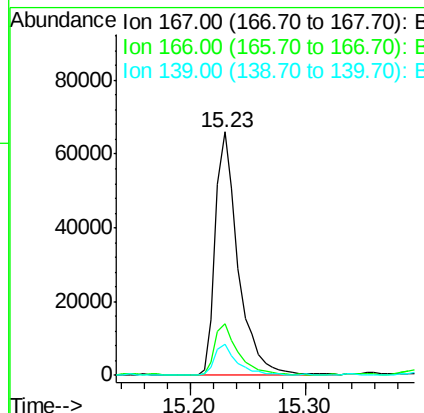
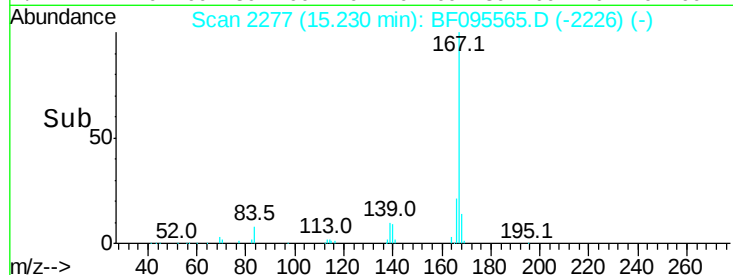
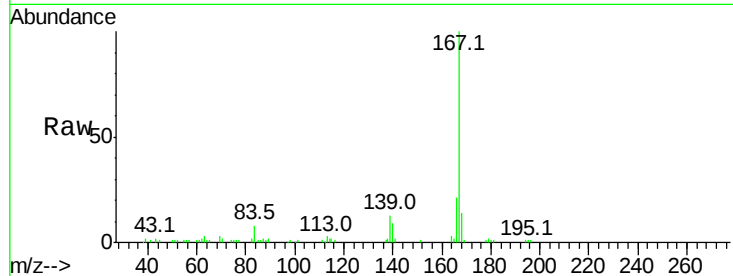
ClientSampleId :

B-15(3-9)

Tot Ion:	167	Resp:	90875
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.1	27.1
139	12.6	11.7	17.5

Manual Integrations
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#74

Fluoranthene

Concen: 35.87 ng

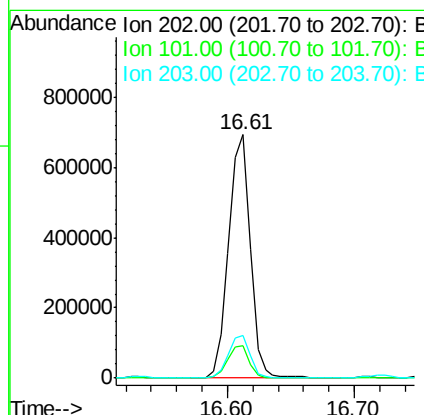
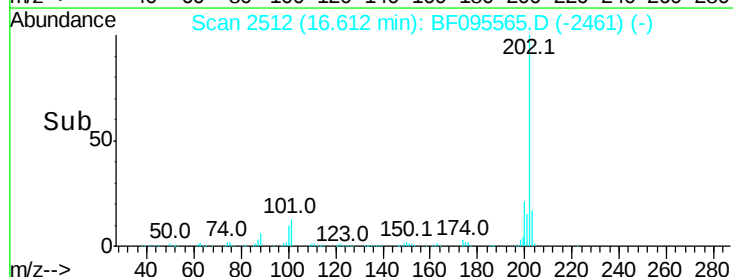
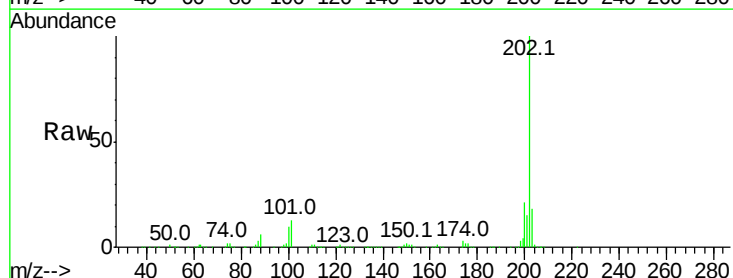
RT: 16.61 min Scan# 2512

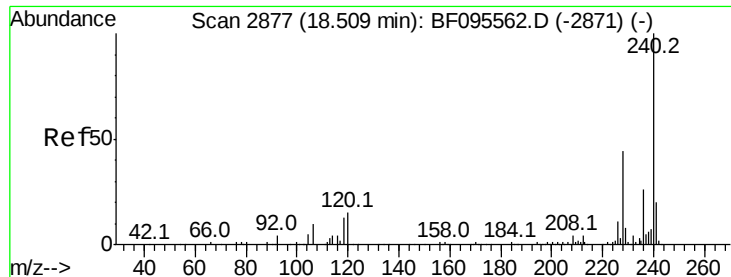
Delta R.T. 0.00 min

Lab File: BF095565.D

Acq: 31 May 2017 15:51

Tgt Ion:	202	Resp:	820835
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.2
203	17.5	0.0	38.1





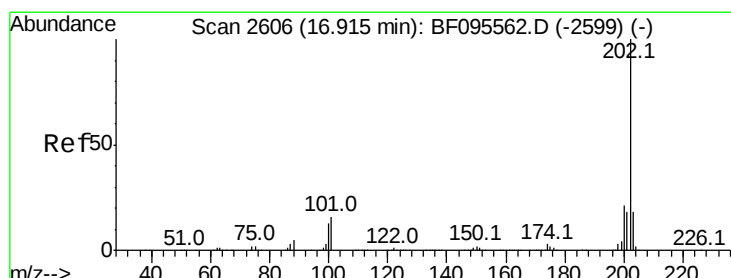
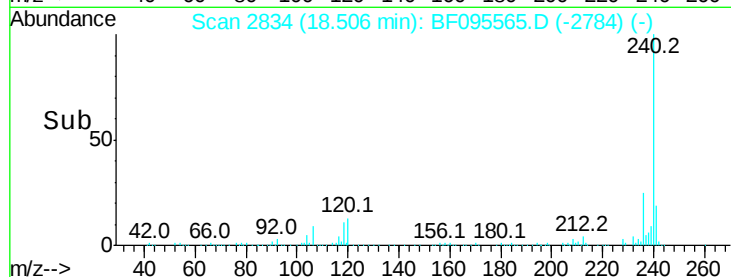
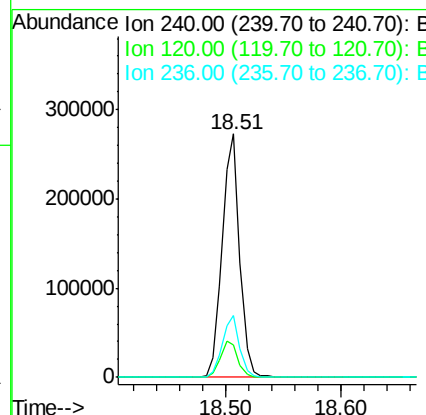
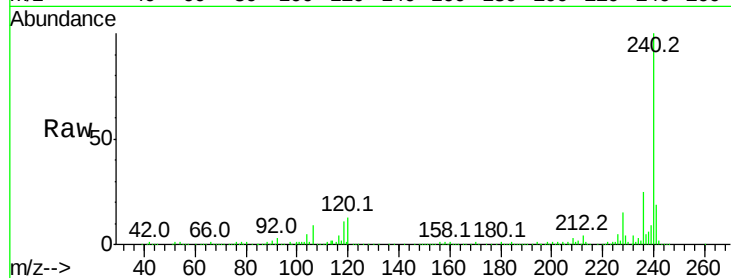
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.51 min Scan# 2834
Delta R.T. -0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-15(3-9)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	25.3	20.5	30.7

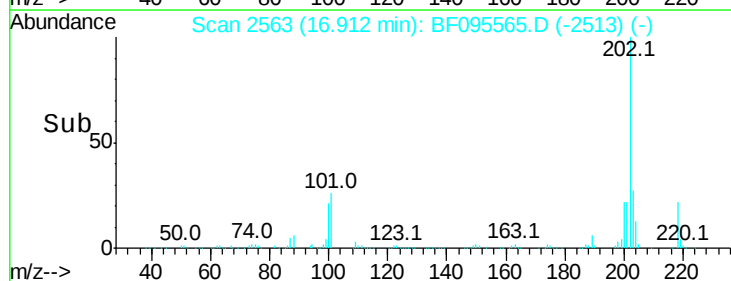
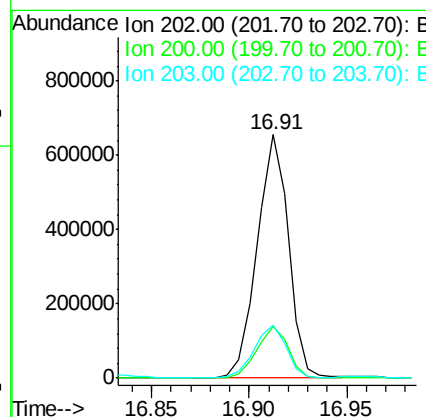
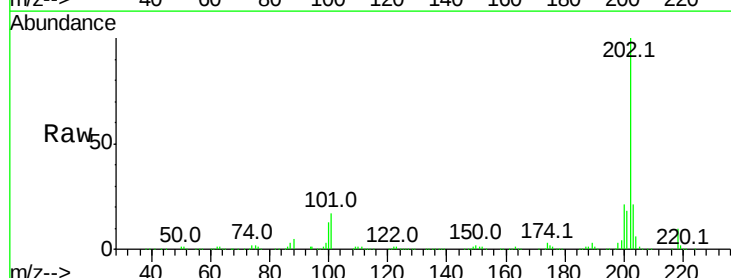
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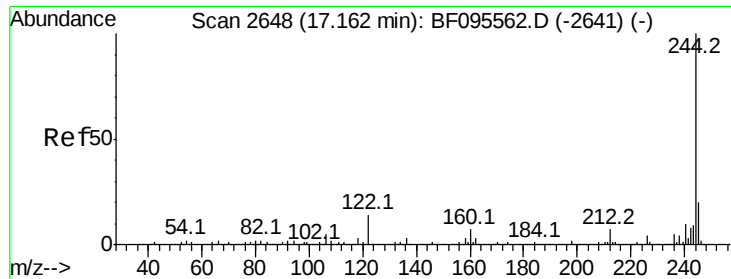
mohammad
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#77
Pyrene
Concen: 34.04 ng
RT: 16.91 min Scan# 2563
Delta R.T. -0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	21.5	14.4	21.6





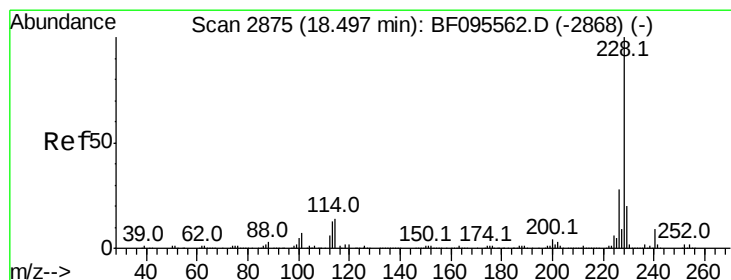
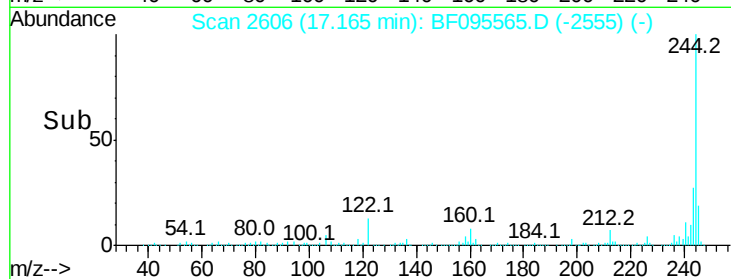
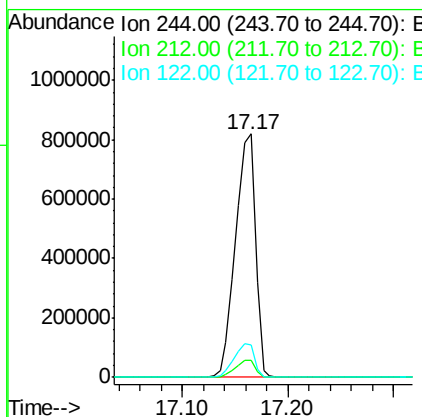
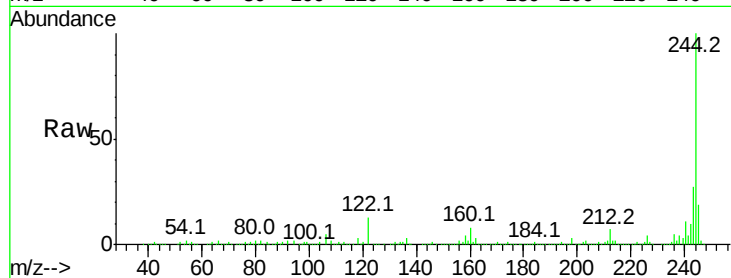
#78
 Terphenyl-d14
 Concen: 82.37 ng
 RT: 17.17 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: BF095565.D
 Acq: 31 May 2017 15:51

Instrument :
 BNA_F
 ClientSampled :
 B-15(3-9)

Tot Ion:244 Resp: 1067174
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.4 10.3 15.5

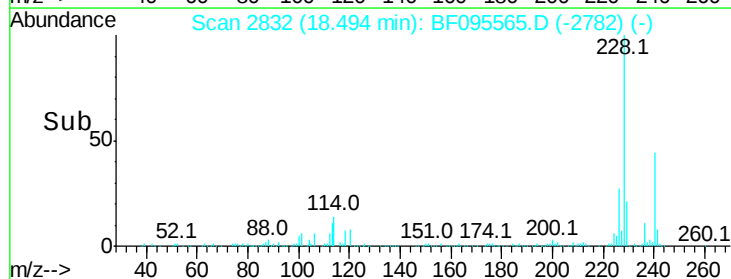
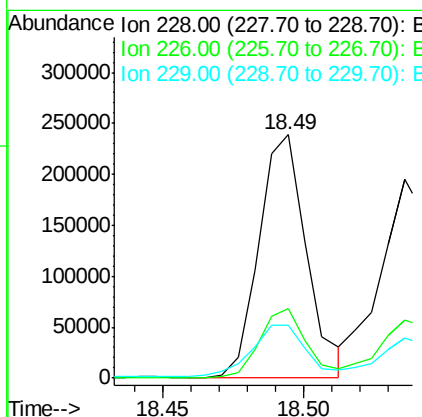
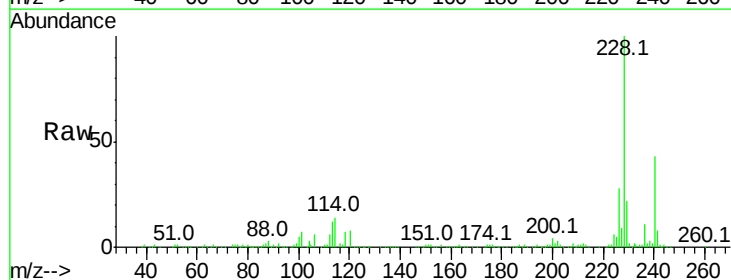
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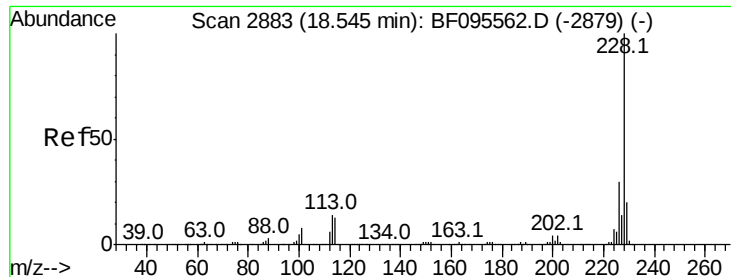
mohammad
 6/1/2017 2:19:53 PM



#80
 Benzo(a)anthracene
 Concen: 16.79 ng
 RT: 18.49 min Scan# 2832
 Delta R.T. -0.00 min
 Lab File: BF095565.D
 Acq: 31 May 2017 15:51

Tgt Ion:228 Resp: 278846
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 33.8
 229 21.8 16.3 24.5





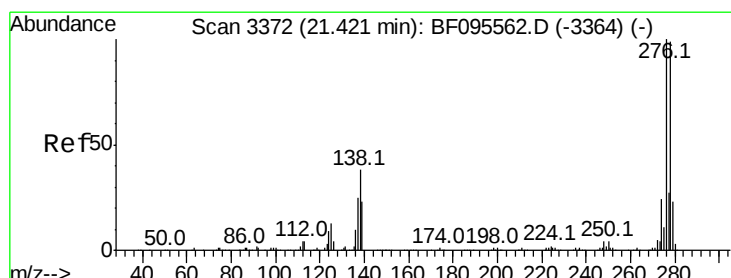
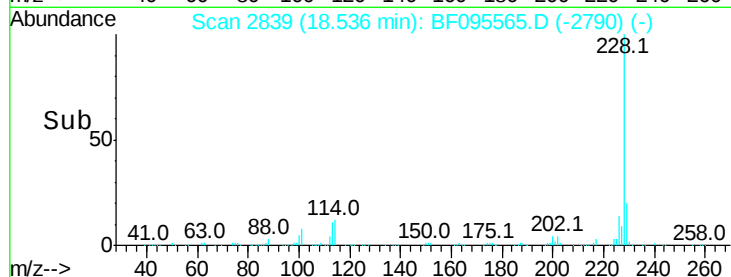
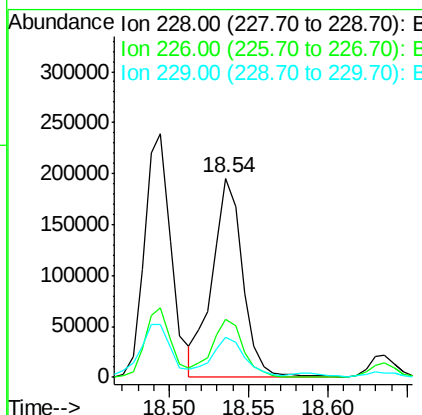
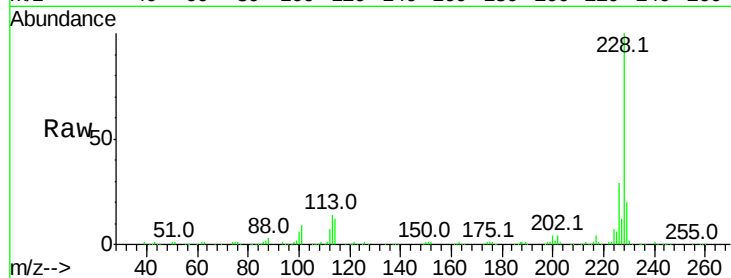
#82
Chrysene
Concen: 16.11 ng
RT: 18.54 min Scan# 2839
Delta R.T. -0.01 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-15(3-9)

Tot Ion:	228	Resp:	258690
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.9	37.3
229	20.3	15.8	23.6

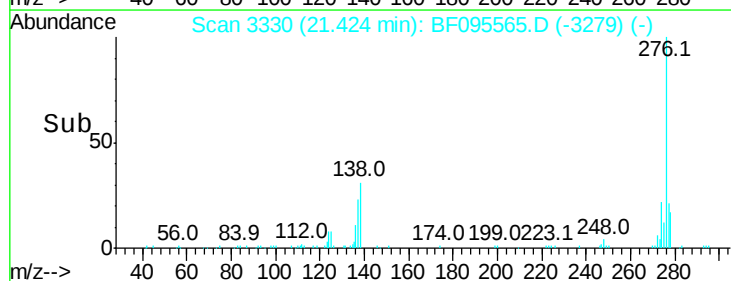
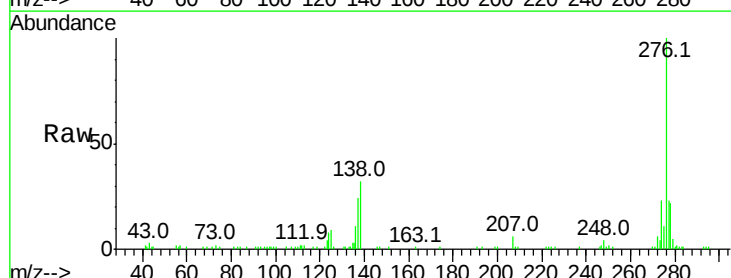
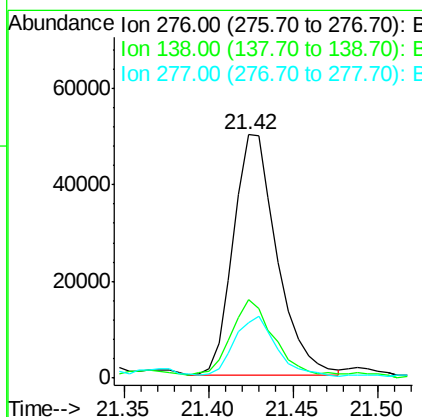
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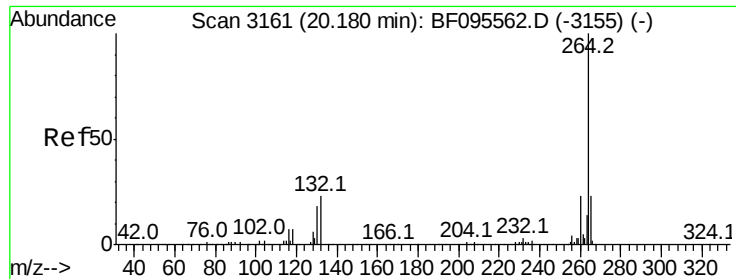
mohammad
6/1/2017 2:19:53 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.82 ng
RT: 21.42 min Scan# 3330
Delta R.T. 0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Tgt Ion:	276	Resp:	88978
Ion Ratio	Lower	Upper	
276	100		
138	30.3	27.8	41.6
277	23.8	20.2	30.4





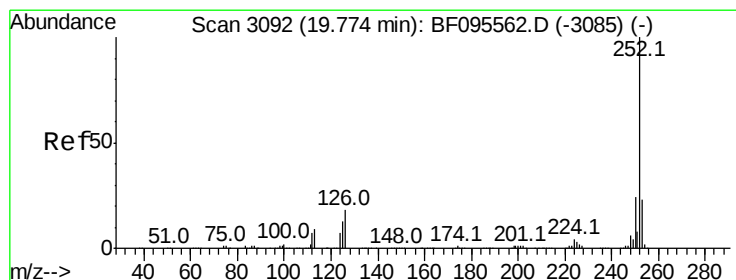
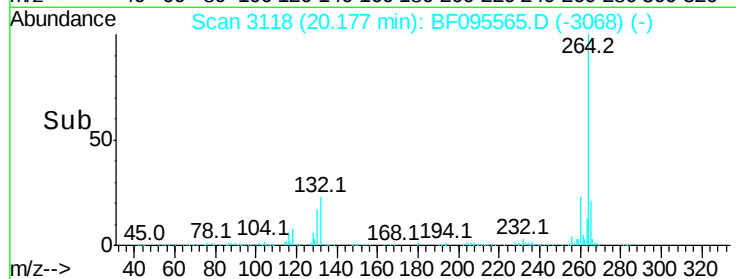
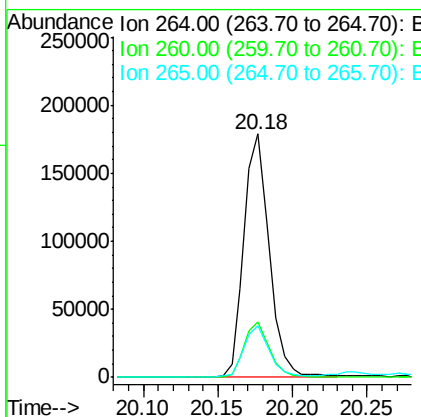
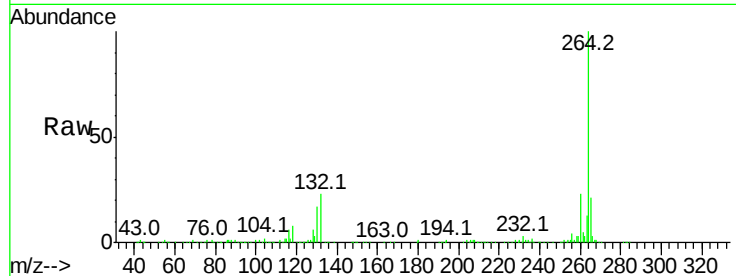
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Instrument :
BNA_F
ClientSampleId :
B-15(3-9)

Tot Ion:	264	Resp:	210469
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.5	29.3
265	21.1	17.2	25.8

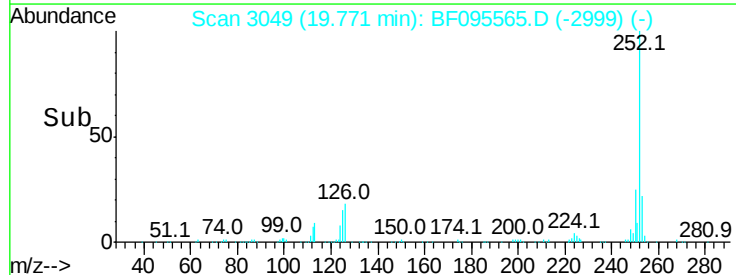
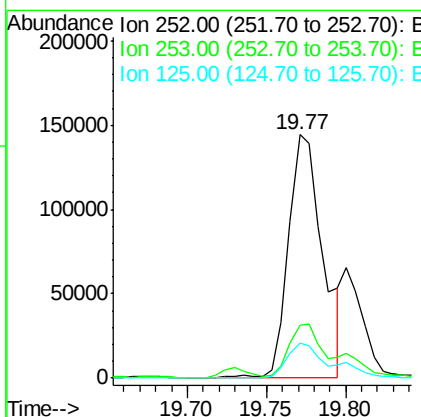
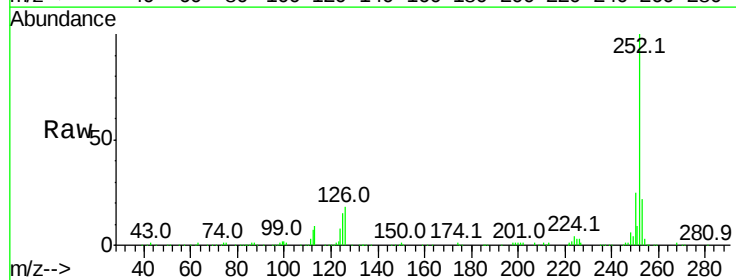
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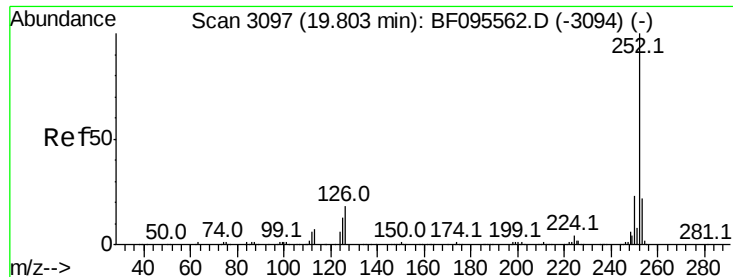
mohammad
6/1/2017 2:19:53 PM



#87
Benzo(b)fluoranthene
Concen: 16.72 ng
RT: 19.77 min Scan# 3049
Delta R.T. -0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Tgt Ion:	252	Resp:	217468
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.1	27.1
125	14.6	9.8	14.8





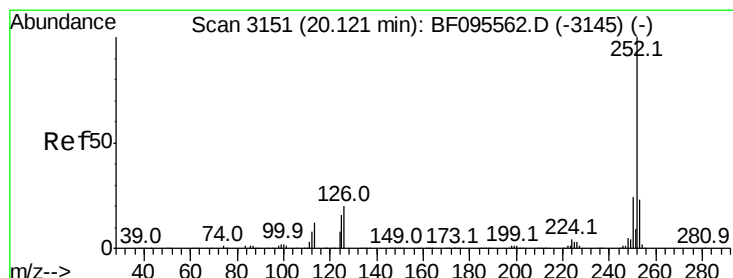
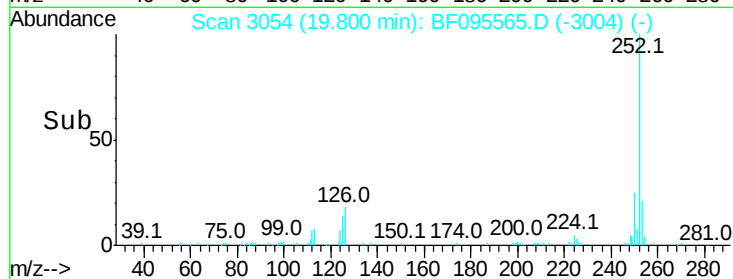
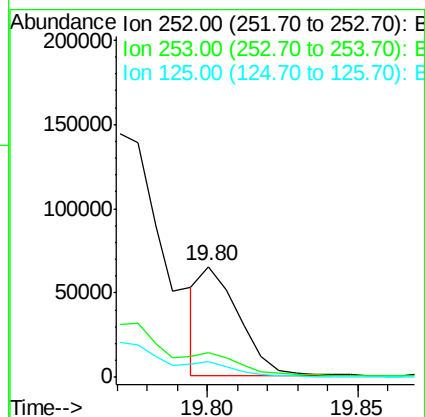
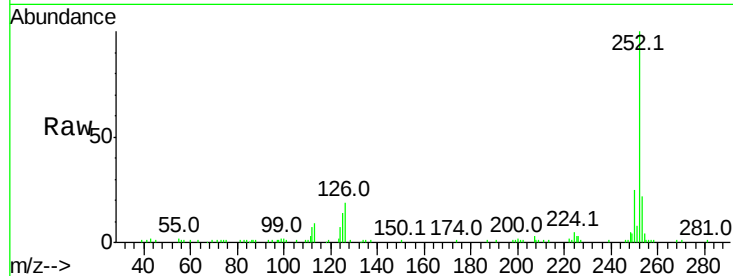
#88
Benzo(k)fluoranthene
Concen: 4.55 ng m
RT: 19.80 min Scan# 3054
Delta R.T. -0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Instrument :
BNA_F
ClientSampled :
B-15(3-9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	14.2	13.1	19.7

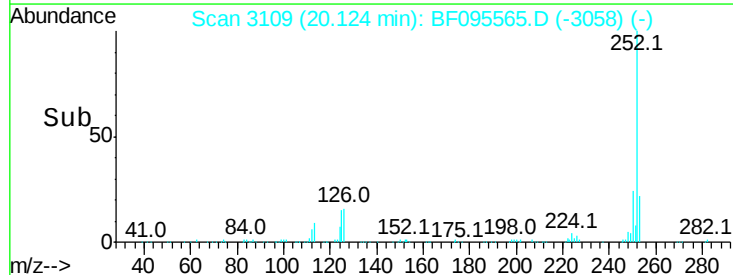
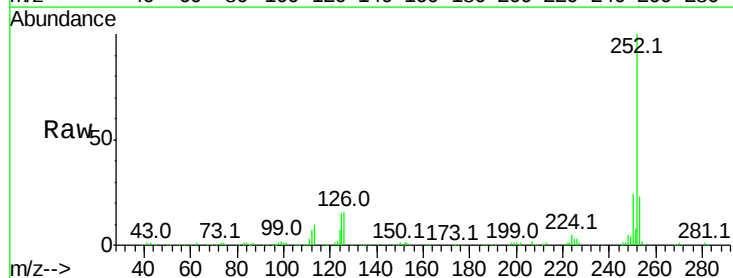
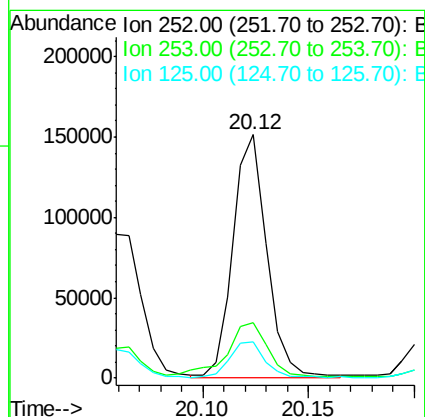
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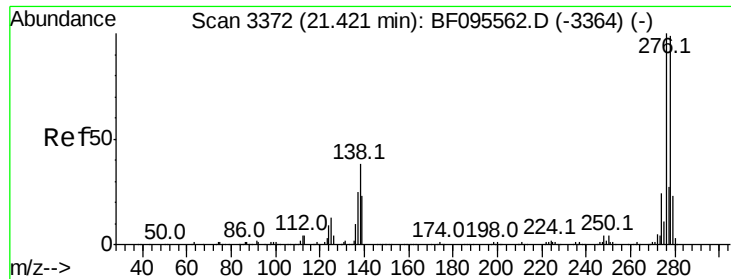
mohammad
6/1/2017 2:19:53 PM



#89
Benzo(a)pyrene
Concen: 13.90 ng
RT: 20.12 min Scan# 3109
Delta R.T. 0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	14.7	11.0	16.4





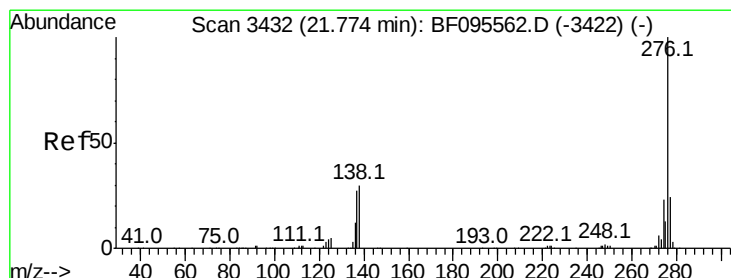
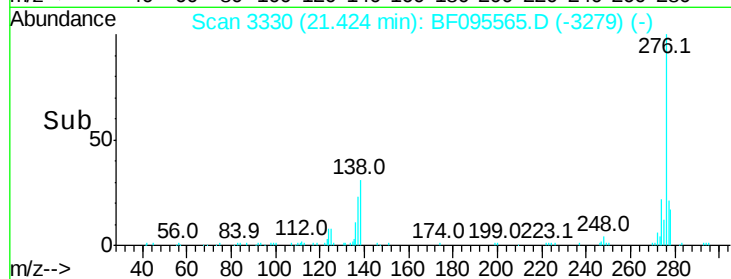
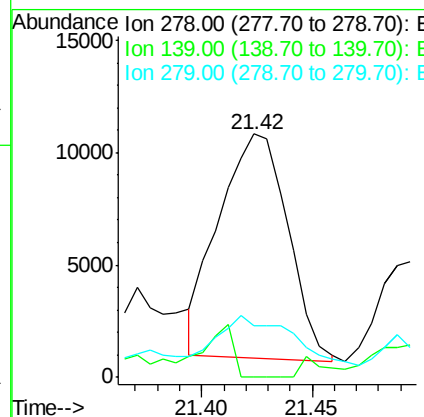
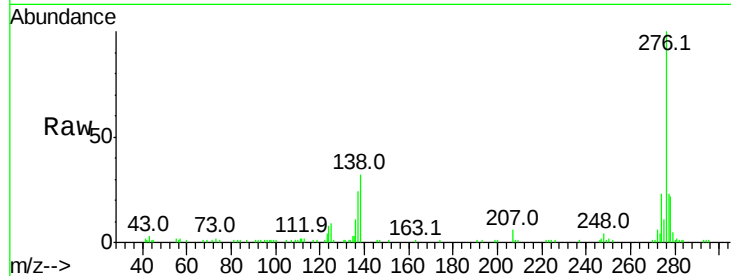
#90
Dibenzo(a,h)anthracene
Concen: 2.17 ng
RT: 21.42 min Scan# 3330
Delta R.T. 0.00 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Instrument :
BNA_F
ClientSampled :
B-15(3-9)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8
279	21.0	19.3	28.9

Manual Integrations
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6/1/2017 2:19:53 PM



#91
Benzo(g,h,i)perylene
Concen: 8.85 ng
RT: 21.78 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095565.D
Acq: 31 May 2017 15:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.6	28.0
138	32.5	25.4	38.0

