

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
 Data File : BF095258.D
 Acq On : 19 May 2017 11:01
 Operator : SJ/MA
 Sample : I3186-13
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-ESW

Manual Integrations
 APPROVED

mohammad
 5/19/2017 3:40:41 PM

Quant Time: May 19 11:56:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	97405	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	360703	20.00	ng	0.00
38) Acenaphthene-d10	12.63	164	156857	20.00	ng	0.01
63) Phenanthrene-d10	15.04	188	243404	20.00	ng	0.01
75) Chrysene-d12	18.69	240	171152	20.00	ng	0.00
86) Perylene-d12	20.37	264	166721	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	891852	152.65	ng	0.00
7) Phenol-d6	7.31	99	1068610	152.44	ng	0.00
23) Nitrobenzene-d5	8.67	82	621048	108.57	ng	0.00
41) 2,4,6-Tribromophenol	13.94	330	185936	144.74	ng	0.02
44) 2-Fluorobiphenyl	11.57	172	961618	88.24	ng	0.00
78) Terphenyl-d14	17.34	244	733771	94.43	ng	0.00
Target Compounds						
10) Phenol	7.33	94	24694	3.34	ng	Qvalue # 77
31) Naphthalene	9.82	128	465754	25.69	ng	100
37) 2-Methylnaphthalene	10.96	142	1063579	89.39	ng	99
45) 1,1'-Biphenyl	11.72	154	88657	6.71	ng	92
49) Dimethylphthalate	12.25	163	223554	17.36	ng	# 99
51) Acenaphthene	12.68	154	75683	7.59	ng	97
54) Dibenzofuran	12.97	168	97534	7.06	ng	# 81
57) Fluorene	13.52	166	145420	12.11	ng	# 92
70) Phenanthrene	15.07	178	517250	36.99	ng	97
71) Anthracene	15.16	178	95529m	6.69	ng	
74) Fluoranthene	16.81	202	175530	12.24	ng	99
77) Pvrene	17.11	202	156494	12.23	ng	94
80) Benzo(a)anthracene	18.68	228	36097	3.62	ng	97
82) Chrysene	18.73	228	43546	4.52	ng	96
85) Indeno(1,2,3-cd)pyrene	21.72	276	30597	3.91	ng	95
87) Benzo(b)fluoranthene	19.97	252	48027m	4.66	ng	
89) Benzo(a)pyrene	20.32	252	41201	4.33	ng	95
91) Benzo(g,h,i)perylene	22.11	276	30505	3.96	ng	99

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

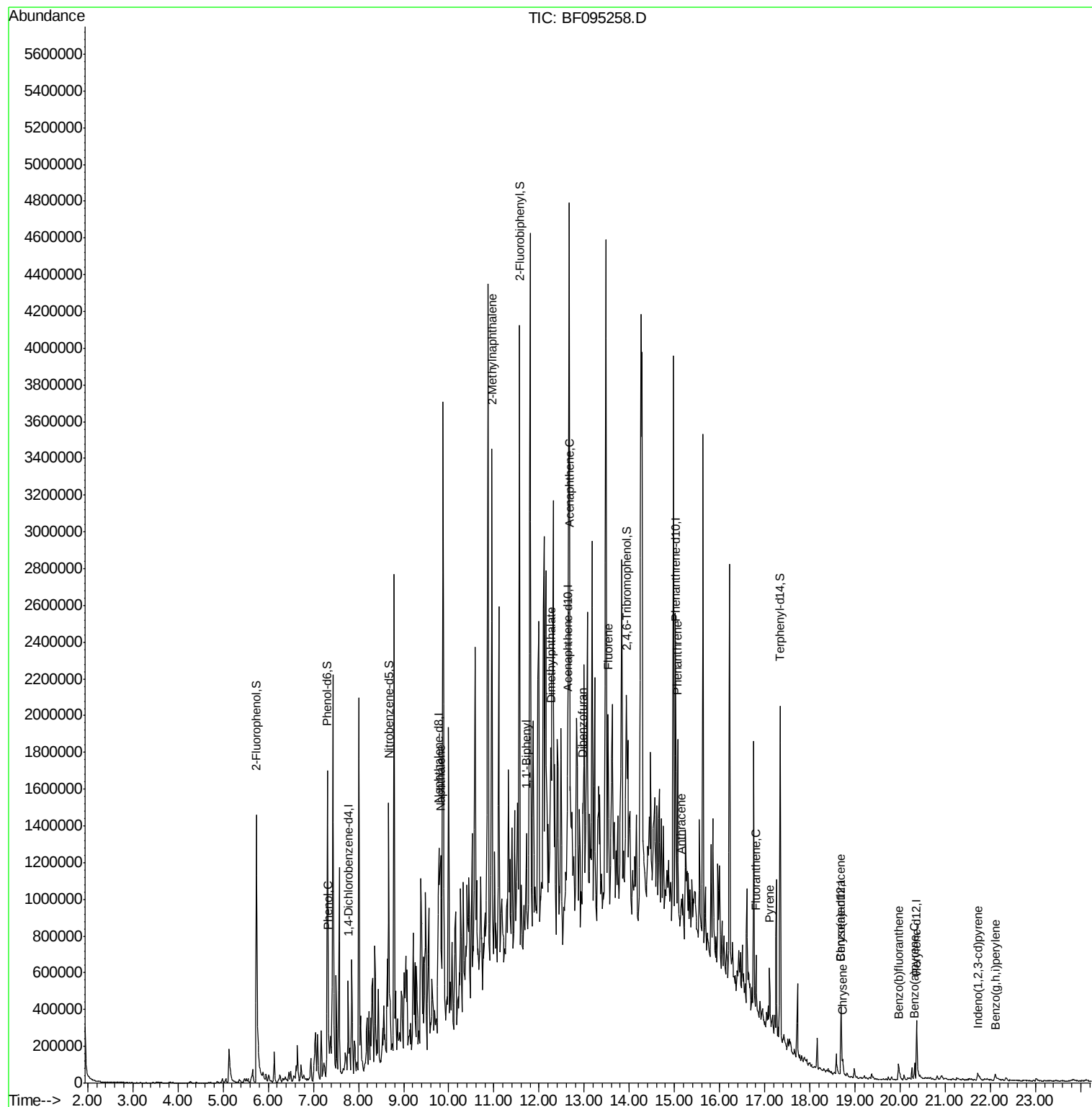
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
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ALS Vial : 34 Sample Multiplier: 1

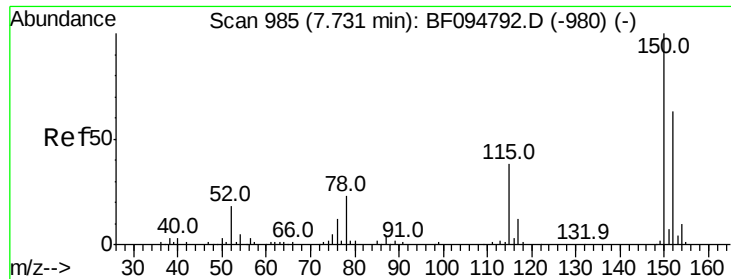
Instrument :
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#1

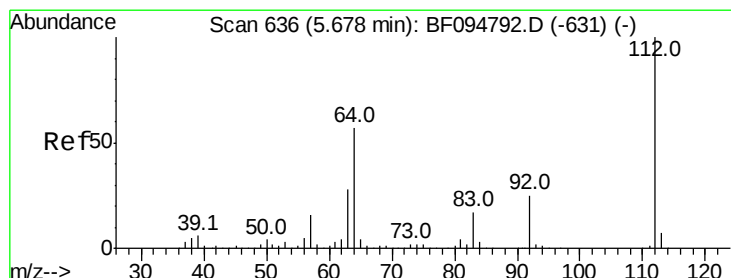
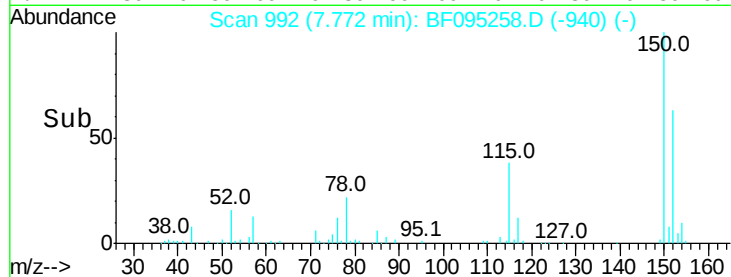
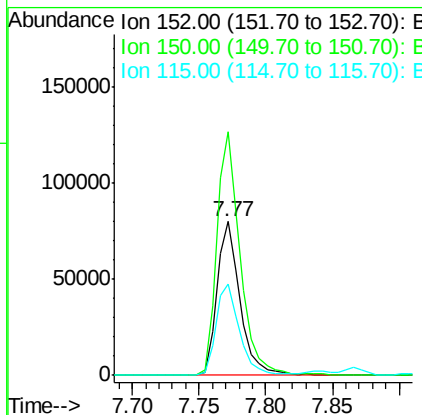
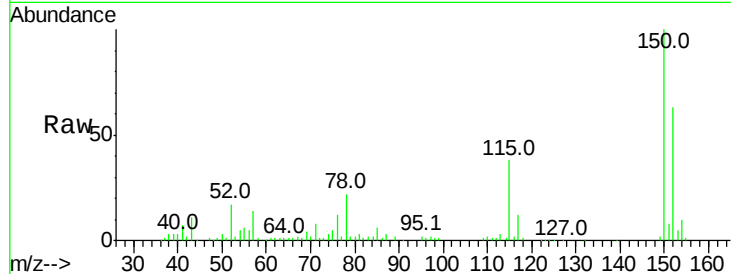
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampleId :
E2-S4-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	59.3	52.2	78.2

Manual Integrations
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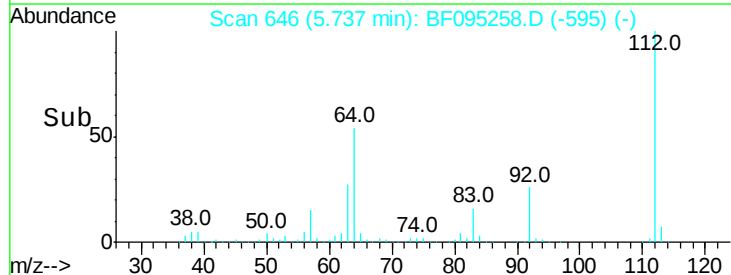
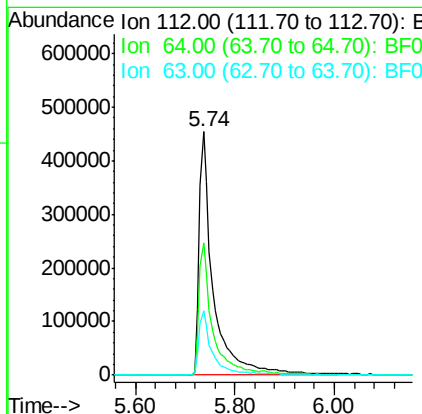
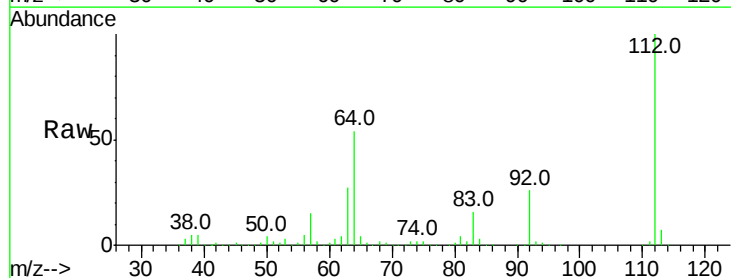
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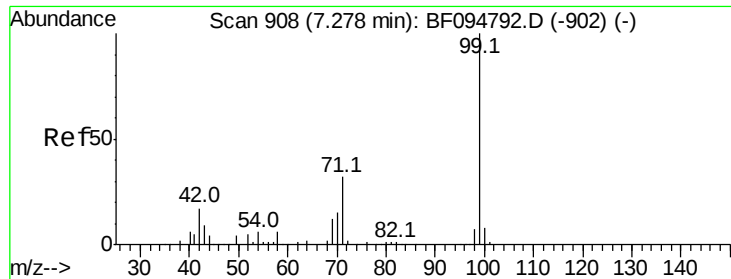


#5

2-Fluorophenol
Concen: 152.65 ng
RT: 5.74 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	26.6	23.4	35.0





#7

Phenol-d6

Concen: 152.44 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :

E2-S4-ESW

Tot Ion: 99 Resp: 1068610

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

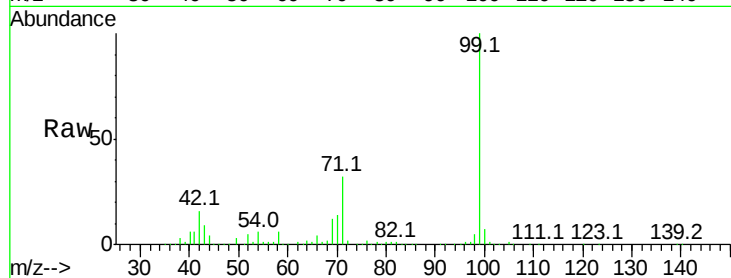
71 32.0 24.5 36.7

Manual Integrations

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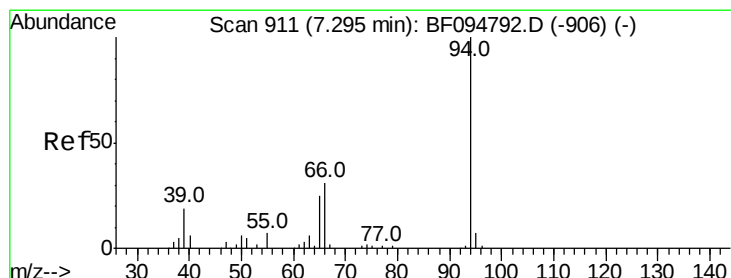
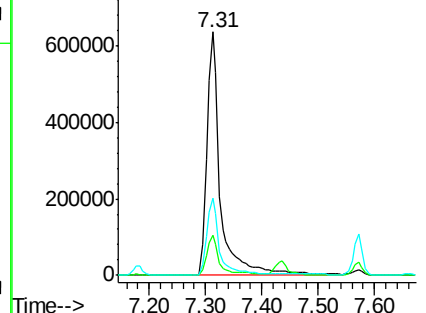
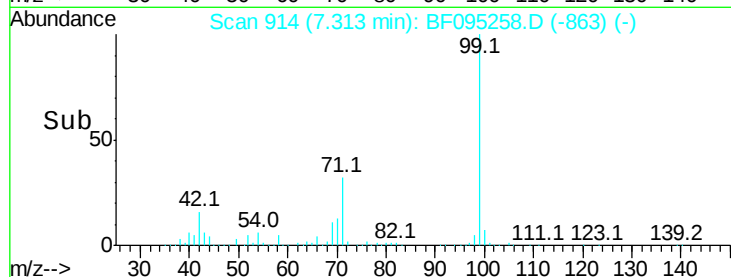
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.34 ng

RT: 7.33 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

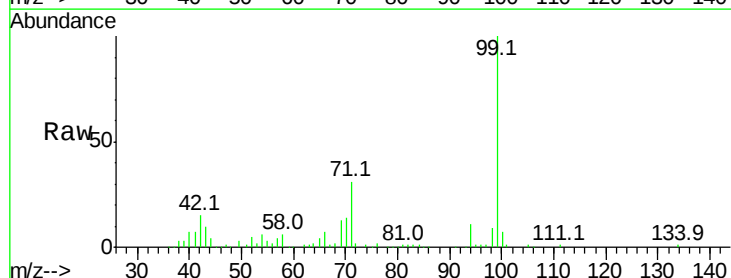
Tgt Ion: 94 Resp: 24694

Ion Ratio Lower Upper

94 100

65 32.4 9.9 49.9

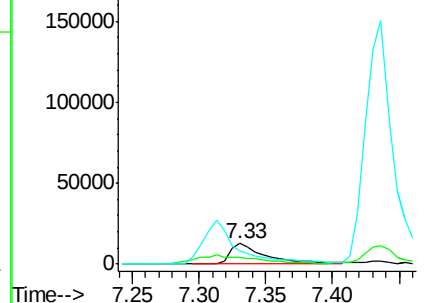
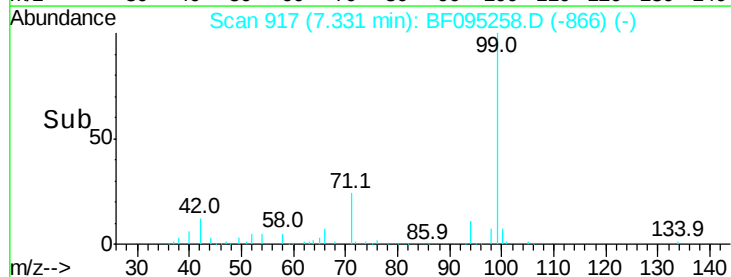
66 66.4 23.1 63.1#

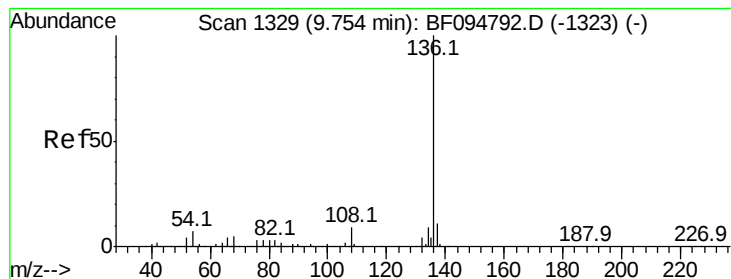


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





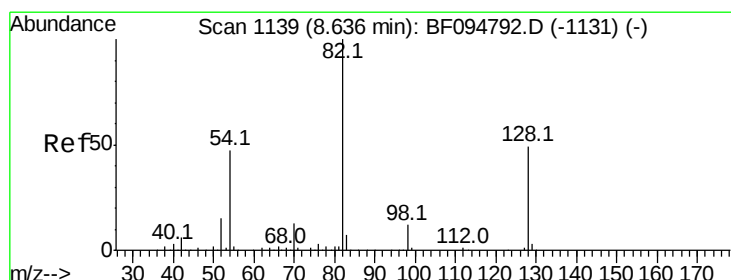
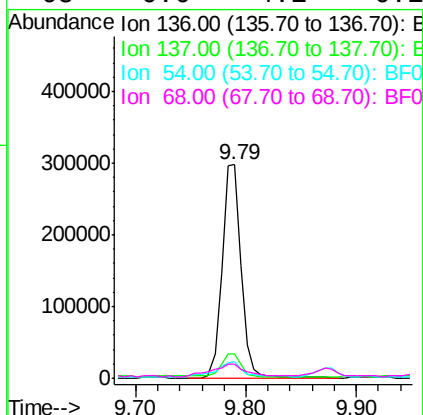
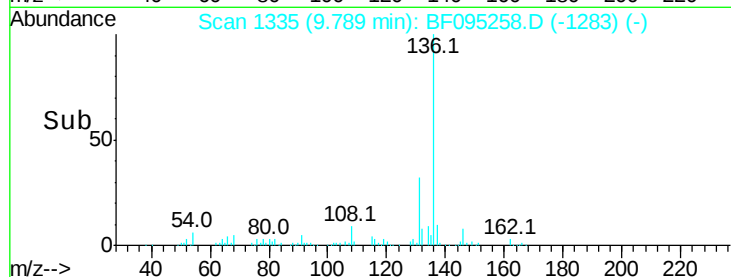
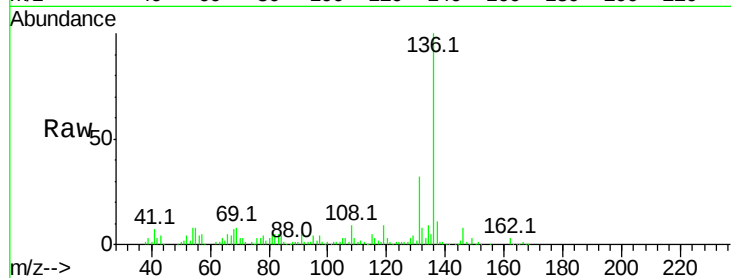
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.79 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampleId :
E2-S4-ESW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	7.5	4.9	7.3	
68	6.6	4.1	6.1	

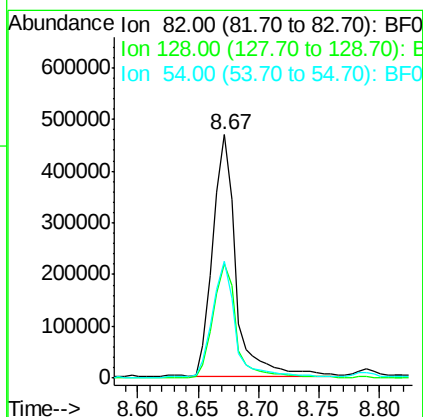
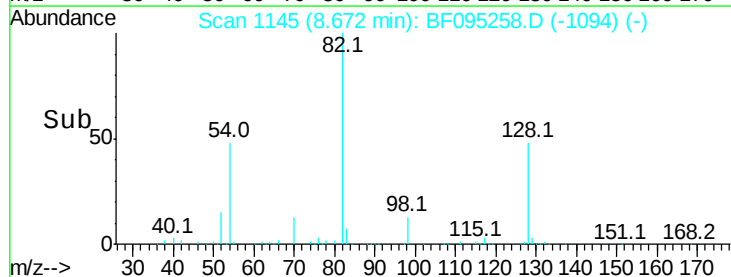
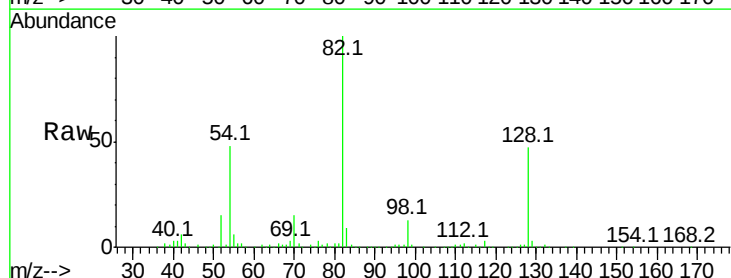
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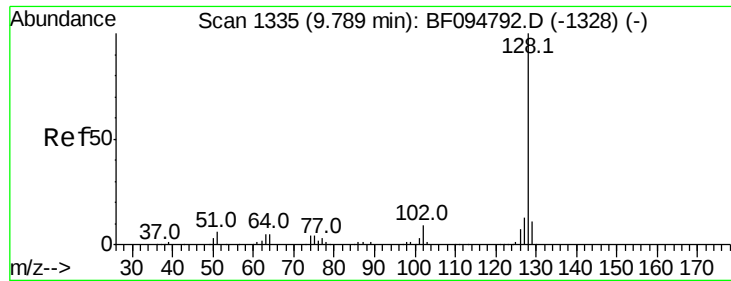
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#23
Nitrobenzene-d5
Concen: 108.57 ng
RT: 8.67 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.2	34.0	51.0	
54	47.9	42.2	63.2	





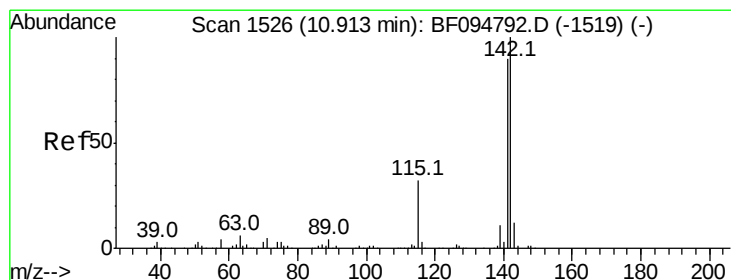
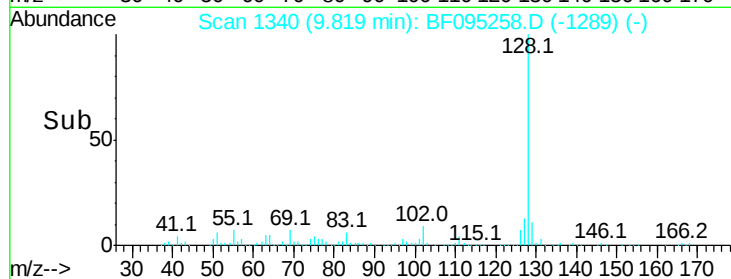
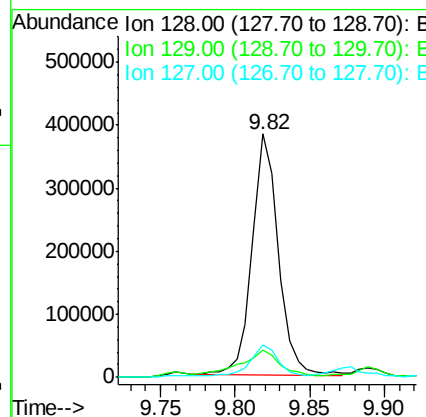
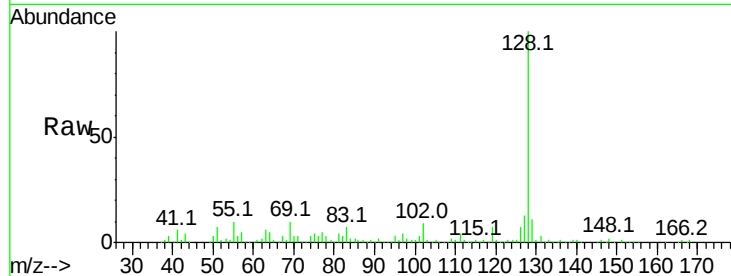
#31
Naphthalene
Concen: 25.69 ng
RT: 9.82 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampleId :
E2-S4-ESW

Tot Ion:128	Resp:	465754
Ion Ratio	Lower	Upper
128	100	
129	11.3	9.0 13.6
127	13.2	10.8 16.2

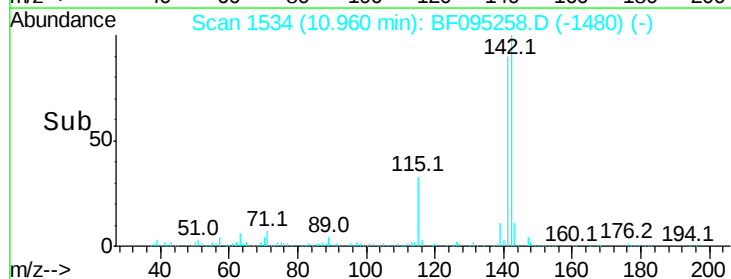
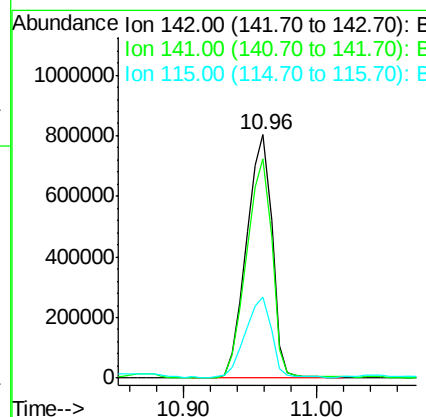
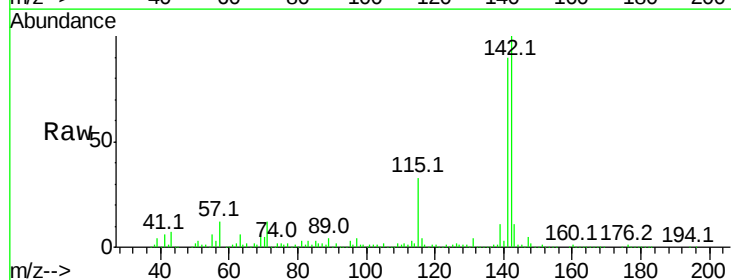
Manual Integrations
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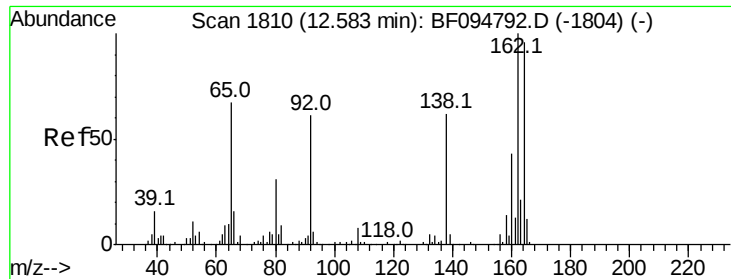
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#37
2-Methylnaphthalene
Concen: 89.39 ng
RT: 10.96 min Scan# 1534
Delta R.T. 0.02 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion:142	Resp:	1063579
Ion Ratio	Lower	Upper
142	100	
141	90.2	71.3 106.9
115	33.3	27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.63 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :

E2-S4-ESW

Tot Ion:164 Resp: 156857

Ion Ratio Lower Upper

164 100

162 103.3 82.6 123.8

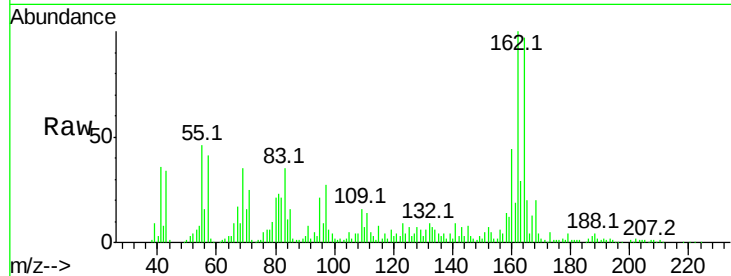
160 45.0 36.2 54.2

Manual Integrations

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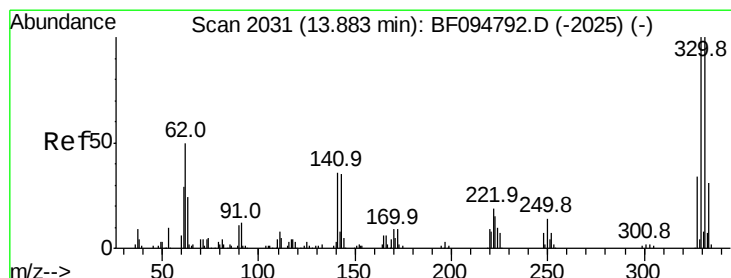
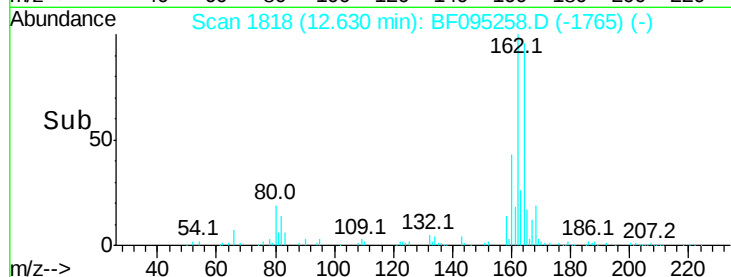
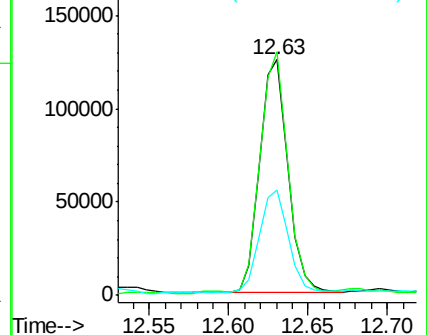
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 144.74 ng

RT: 13.94 min Scan# 2040

Delta R.T. 0.02 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

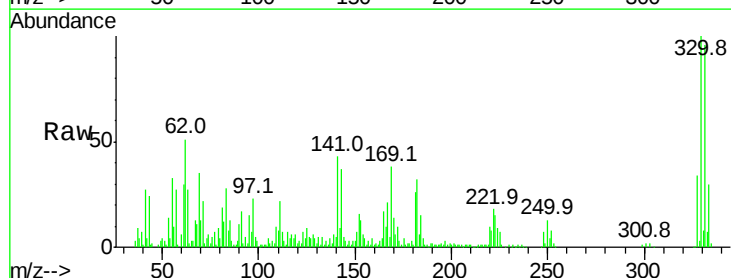
Tgt Ion:330 Resp: 185936

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

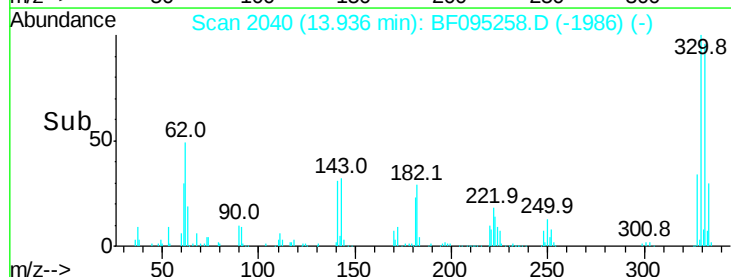
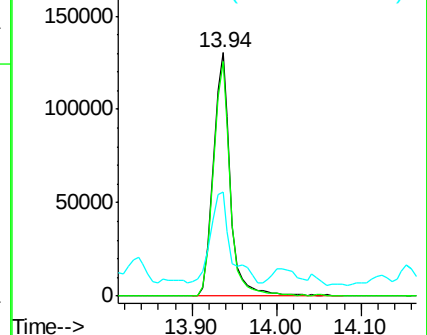
141 46.7 31.4 47.2

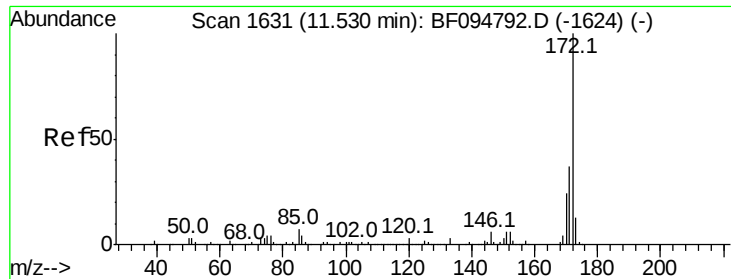


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





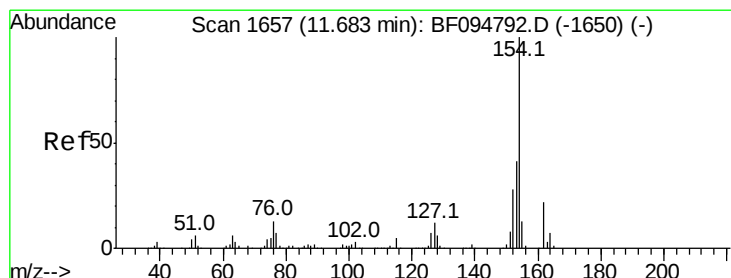
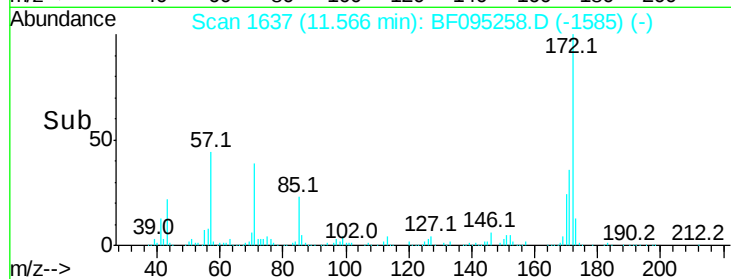
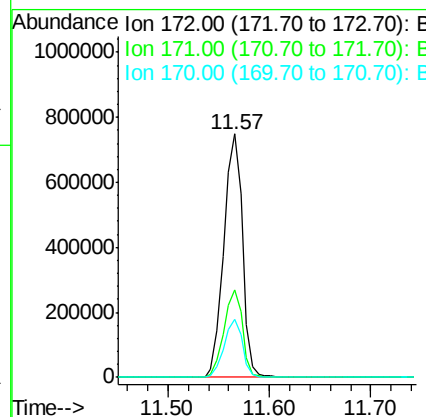
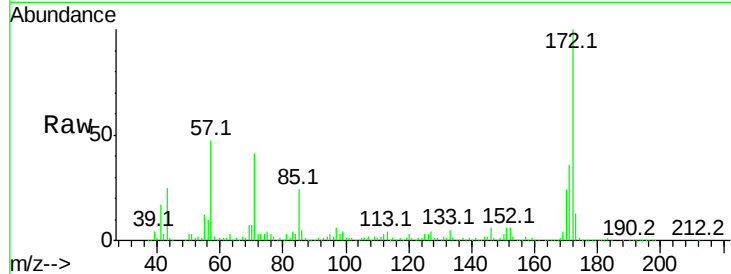
#44
2-Fluorobiphenyl
Concen: 88.24 ng
RT: 11.57 min Scan# 1637
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampled :
E2-S4-ESW

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.6	44.4	
170	23.7	19.8	29.8	

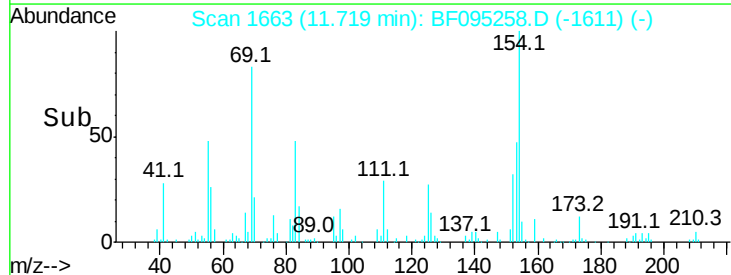
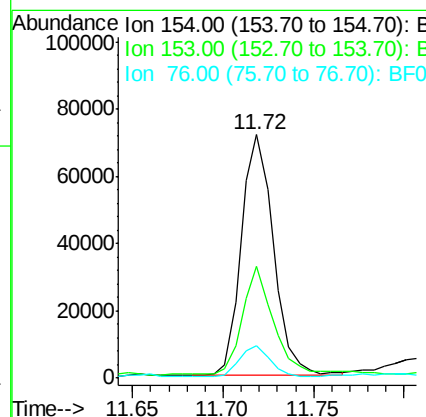
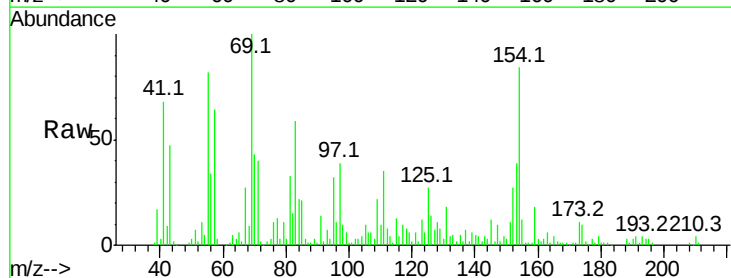
Manual Integrations
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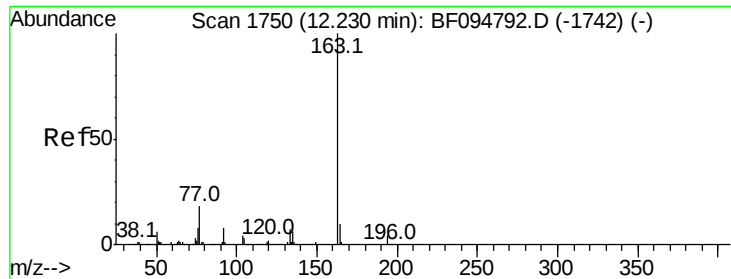
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#45
1,1'-Biphenyl
Concen: 6.71 ng
RT: 11.72 min Scan# 1663
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	46.1	21.2	61.2	
76	13.4	0.0	29.9	





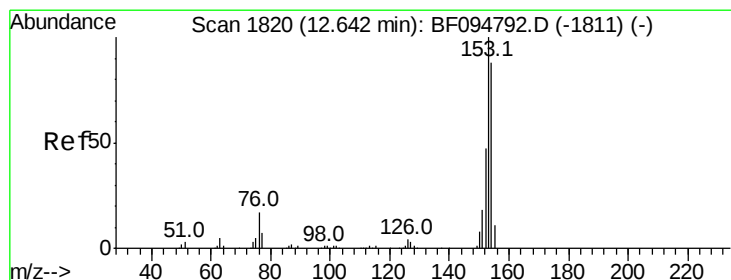
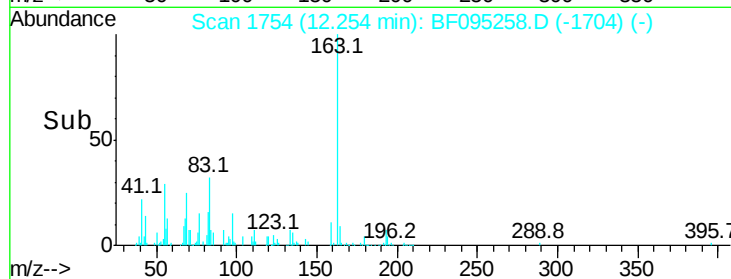
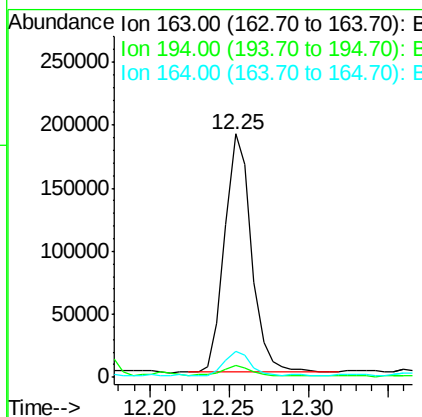
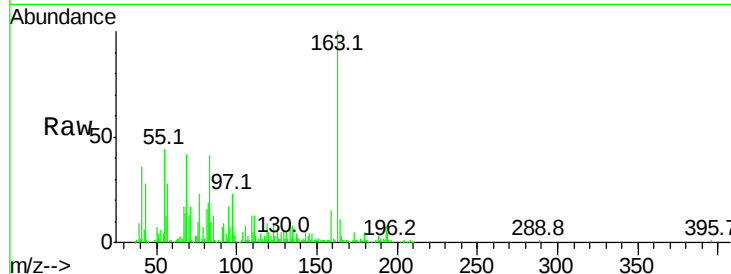
#49
Dimethylphthalate
Concen: 17.36 ng
RT: 12.25 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampled :
E2-S4-ESW

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.7	2.6	4.0#	
164	10.5	8.4	12.6	

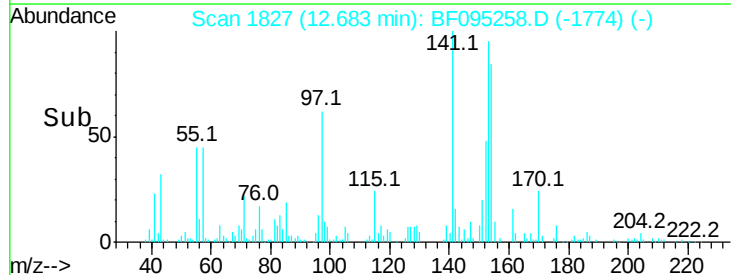
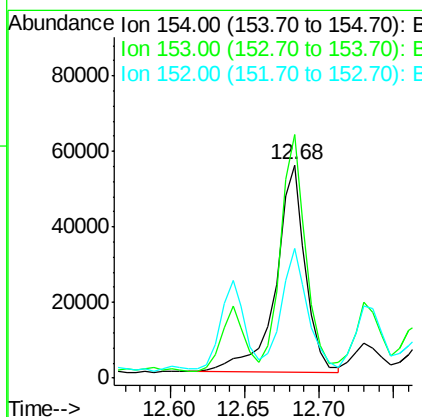
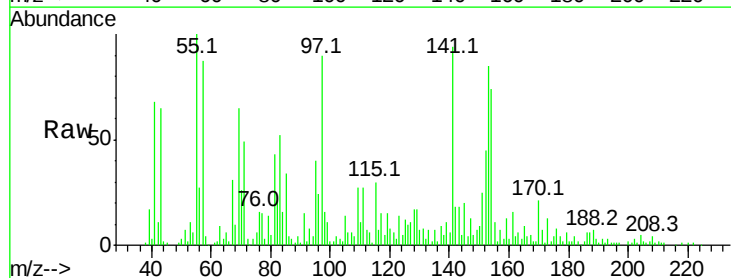
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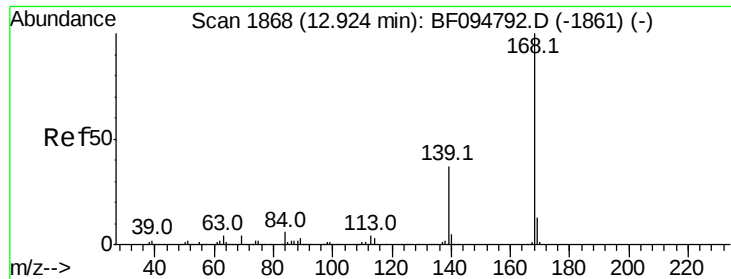
mohammad
5/19/2017 3:40:41 PM



#51
Acenaphthene
Concen: 7.59 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.0	90.5	135.7	
152	60.7	43.6	65.4	





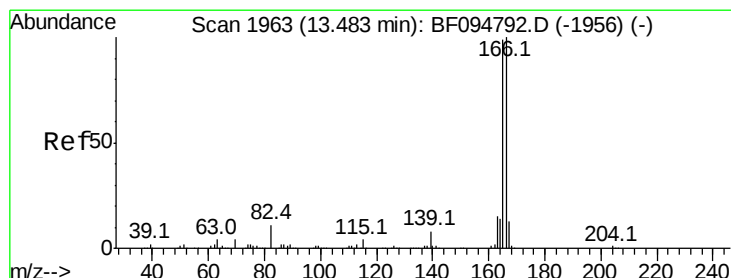
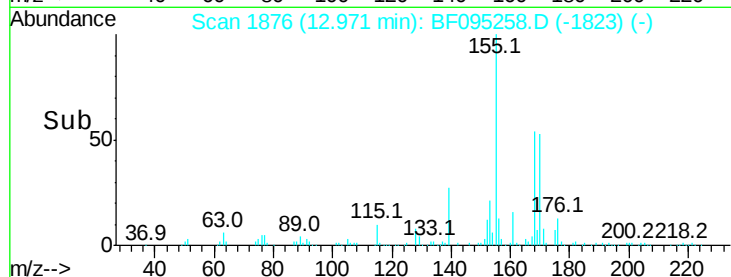
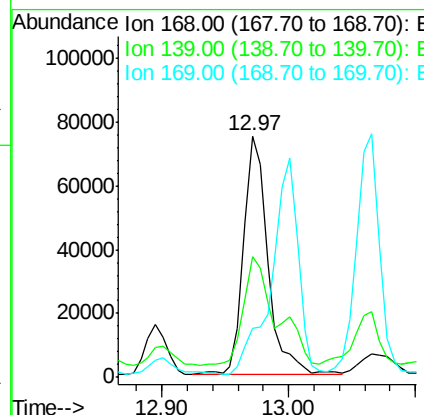
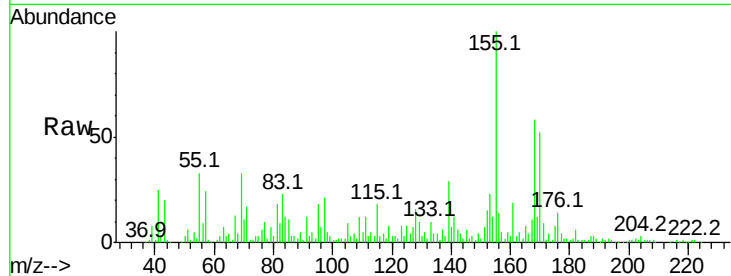
#54
Dibenzenofuran
Concen: 7.06 ng
RT: 12.97 min Scan# 1876
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampleId :
E2-S4-ESW

Tot Ion	Ratio	Lower	Upper
168	100		
139	50.1	30.6	45.8#
169	20.1	10.8	16.2#

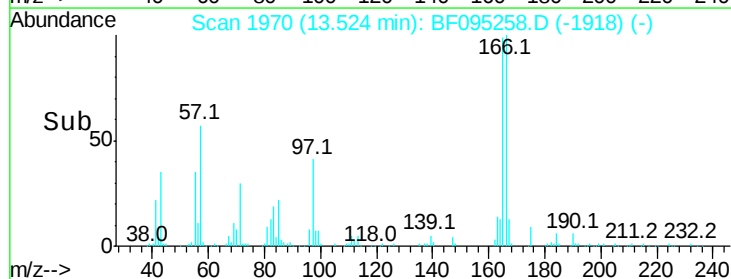
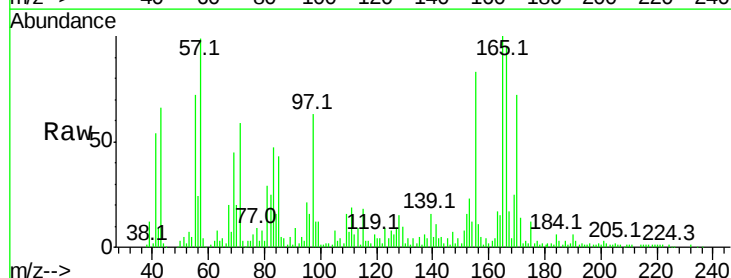
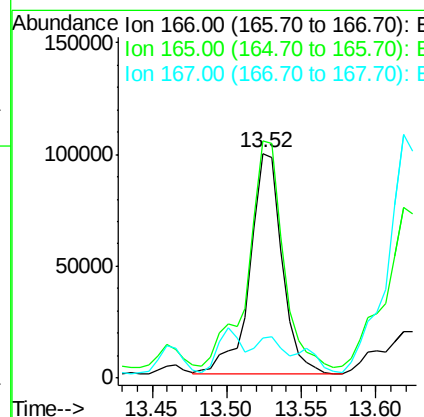
Manual Integrations
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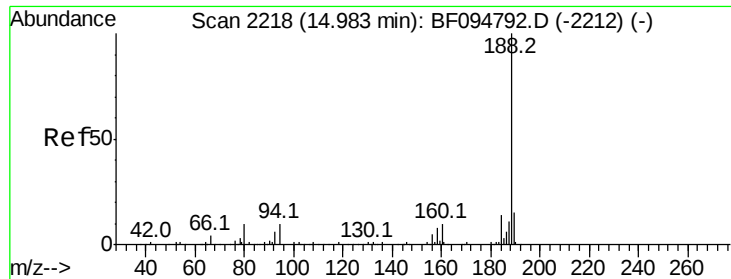
mohammad
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#57
Fluorene
Concen: 12.11 ng
RT: 13.52 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.7	78.8	118.2
167	17.9	10.6	16.0#





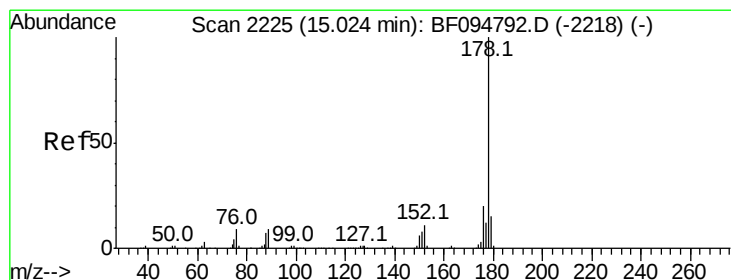
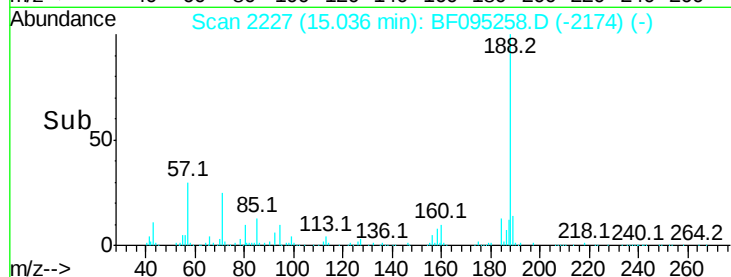
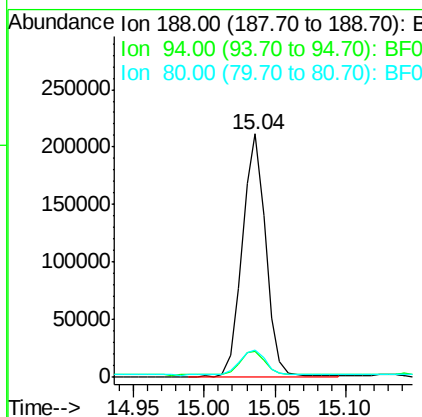
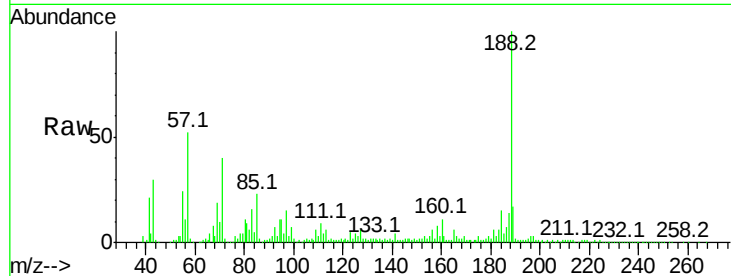
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.04 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampled :
E2-S4-ESW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	243404		
94	10.9		9.4	14.2
80	11.3		10.2	15.2

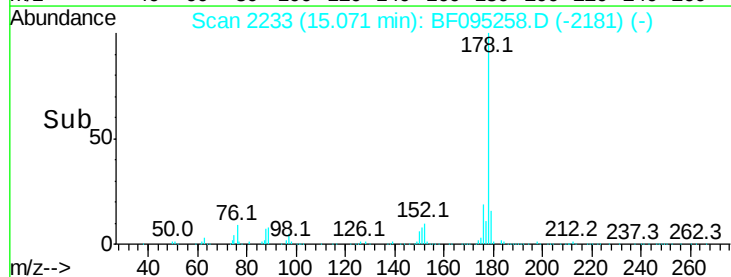
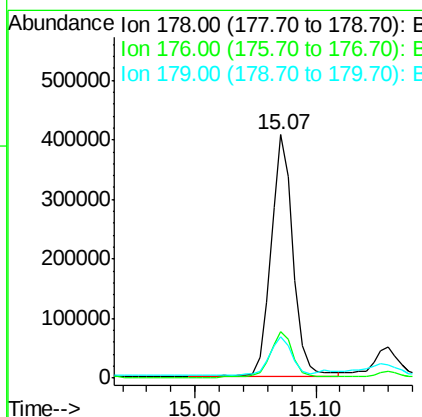
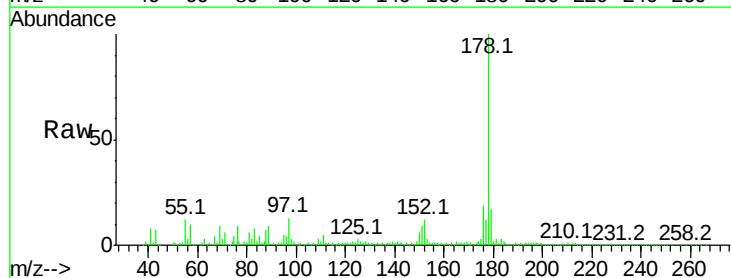
Manual Integrations
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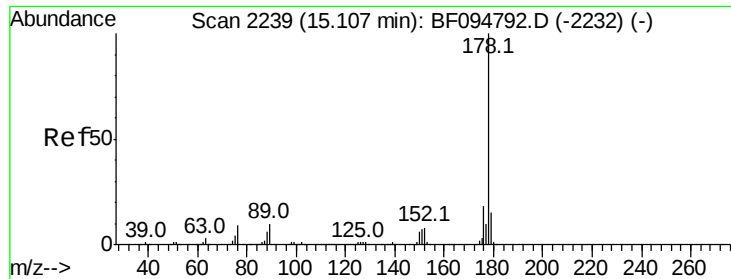
mohammad
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#70
Phenanthrene
Concen: 36.99 ng
RT: 15.07 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	517250		
176	19.1		16.2	24.4
179	17.0		12.6	19.0





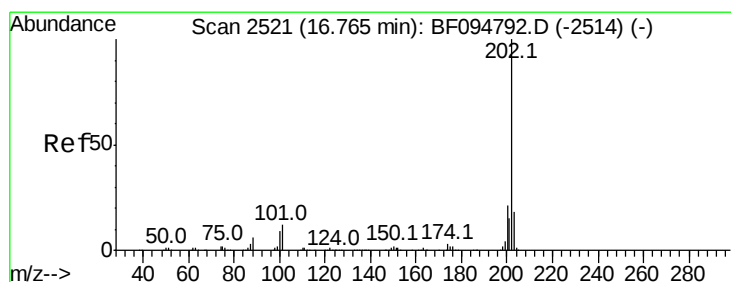
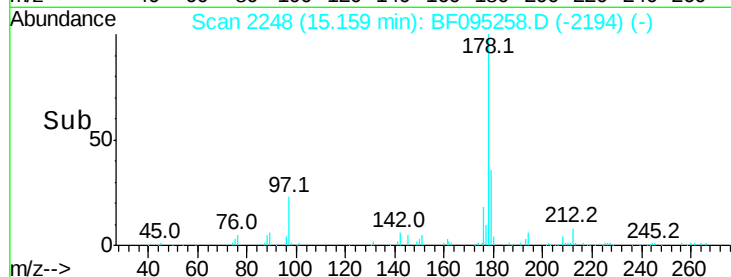
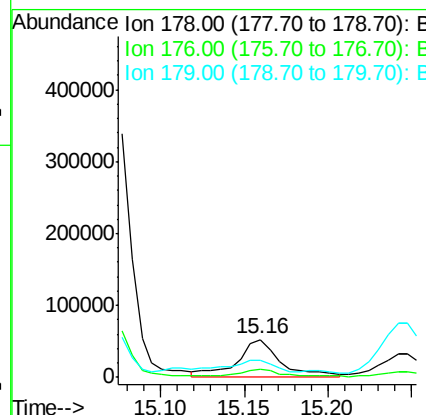
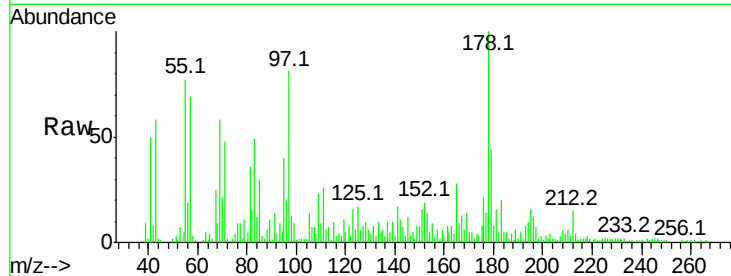
#71
 Anthracene
 Concen: 6.69 ng m
 RT: 15.16 min Scan# 2248
 Delta R.T. 0.02 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	44.2	12.7	19.1

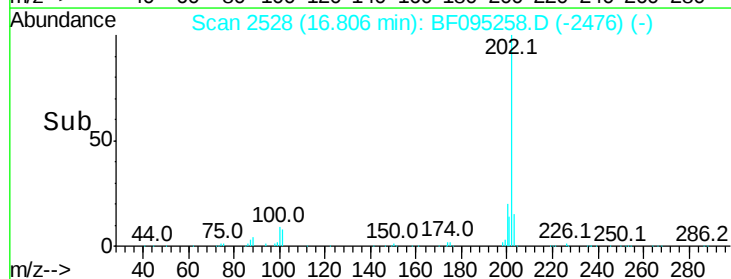
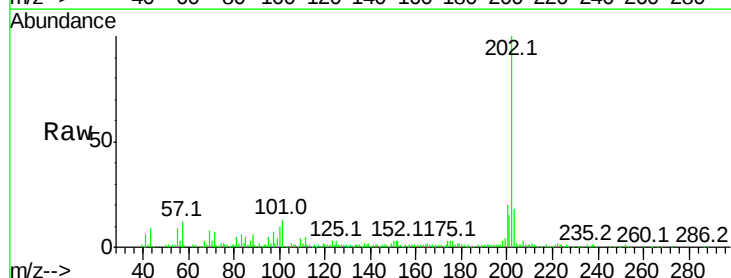
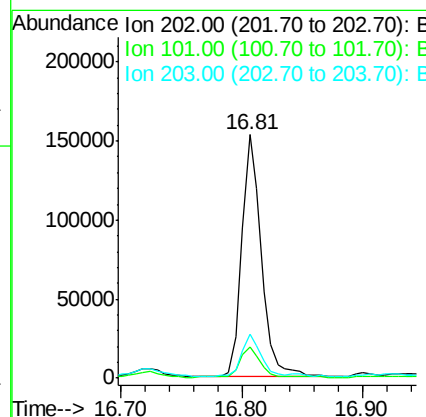
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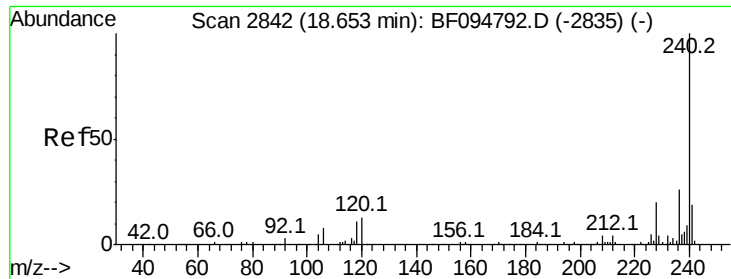
mohammad
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#74
 Fluoranthene
 Concen: 12.24 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :

E2-S4-ESW

Tot Ion:240 Resp: 171152

Ion Ratio Lower Upper

240 100

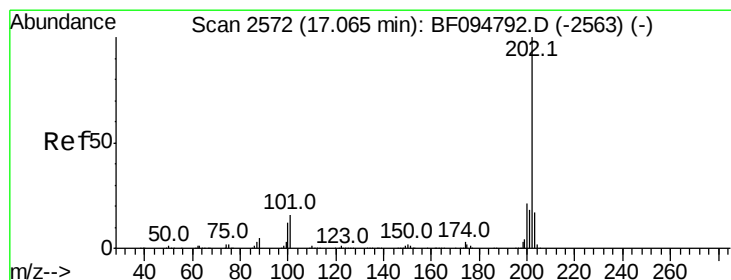
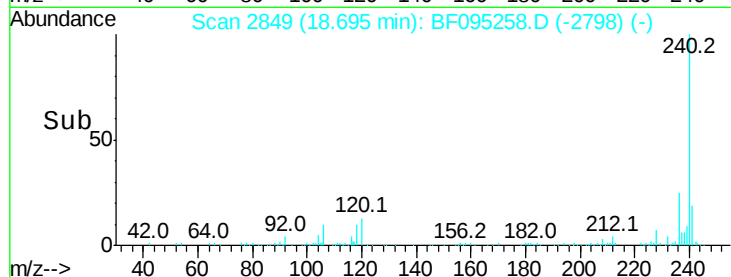
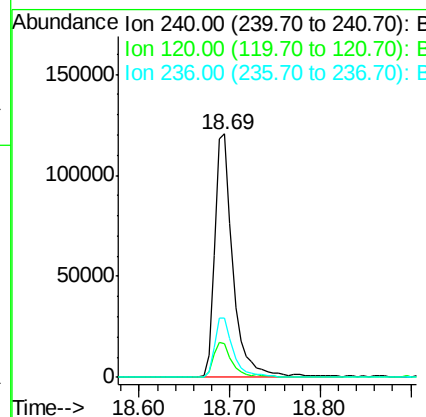
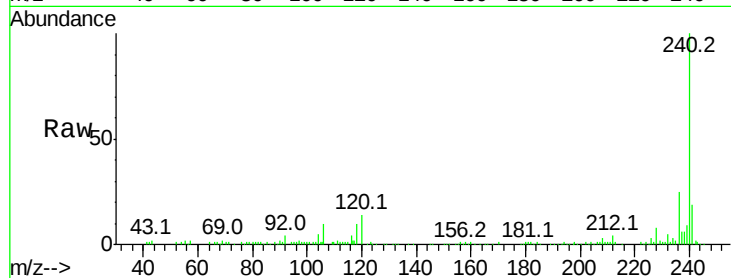
120 13.7 5.8 8.8#

236 24.5 20.5 30.7

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#77

Pyrene

Concen: 12.23 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

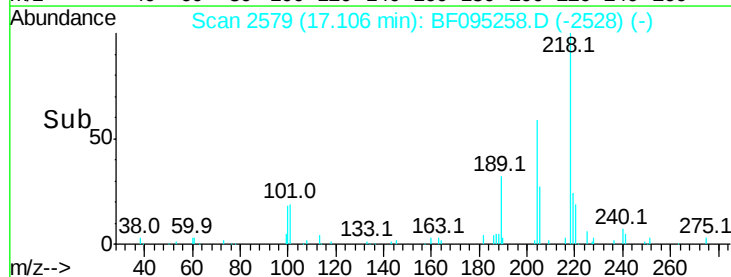
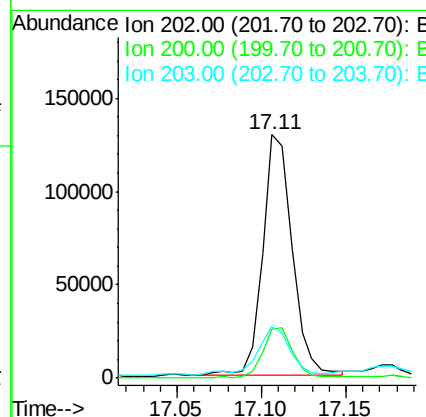
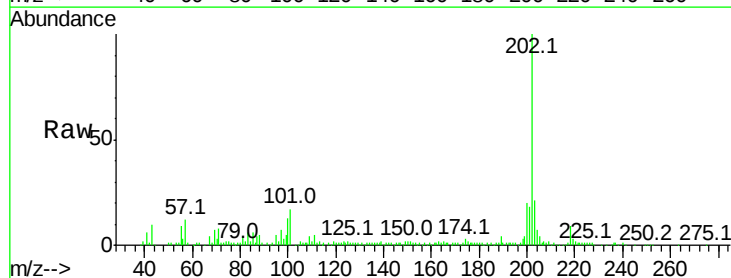
Tgt Ion:202 Resp: 156494

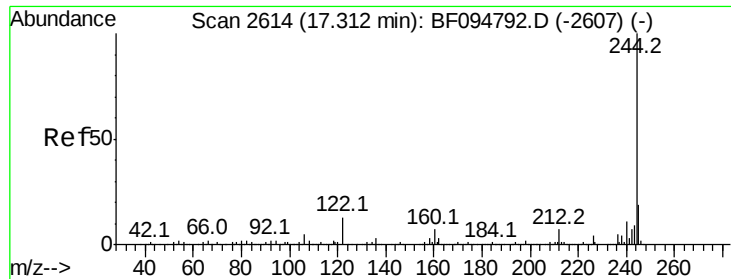
Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

203 21.2 14.4 21.6





#78

Terphenyl-d14

Concen: 94.43 ng

RT: 17.34 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

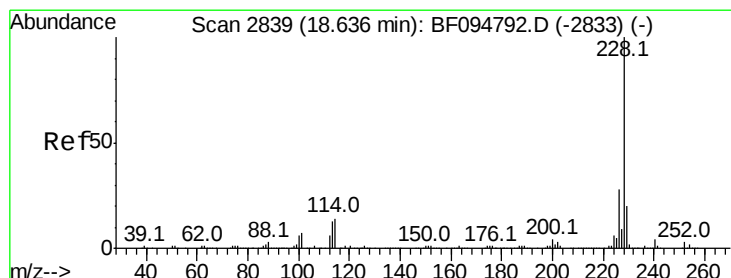
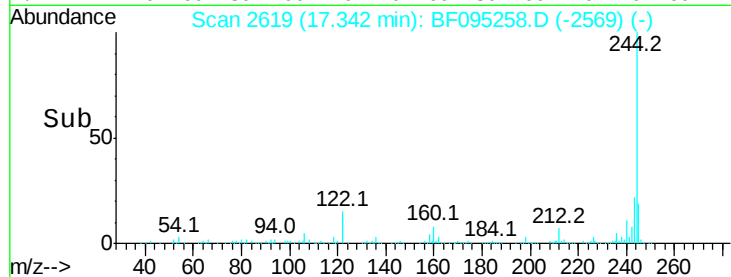
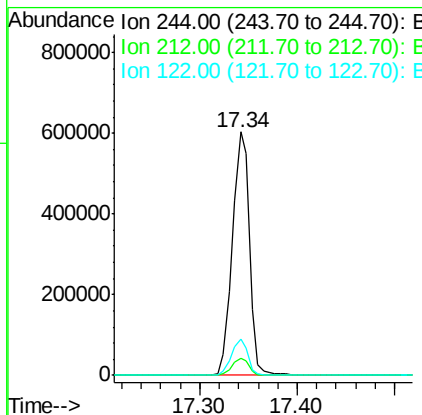
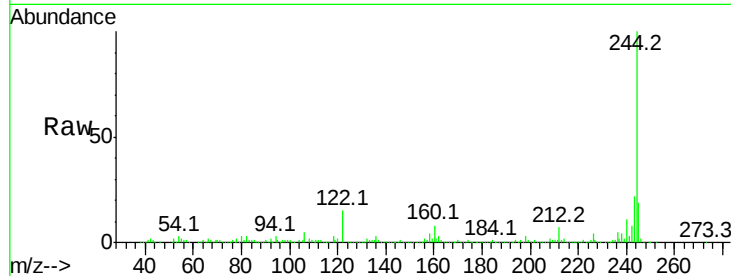
ClientSampleId :

E2-S4-ESW

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	15.1	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 3.62 ng

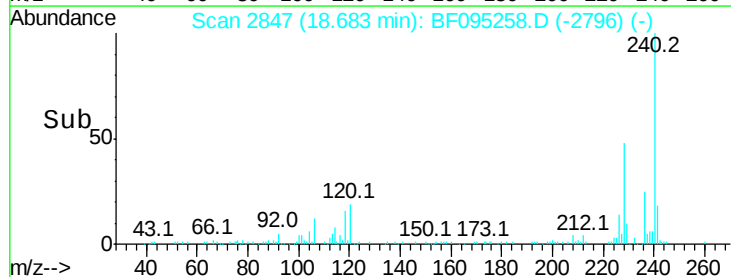
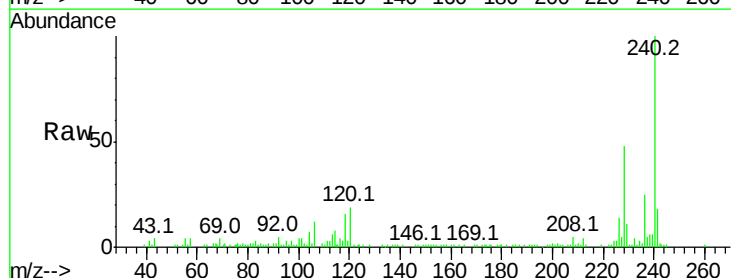
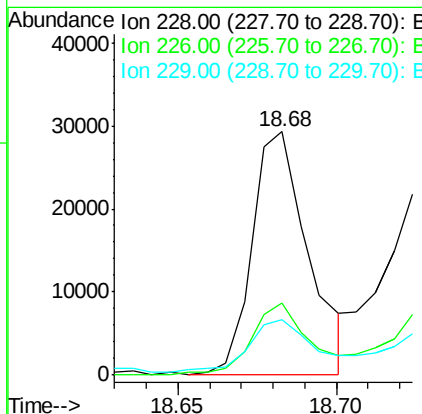
RT: 18.68 min Scan# 2847

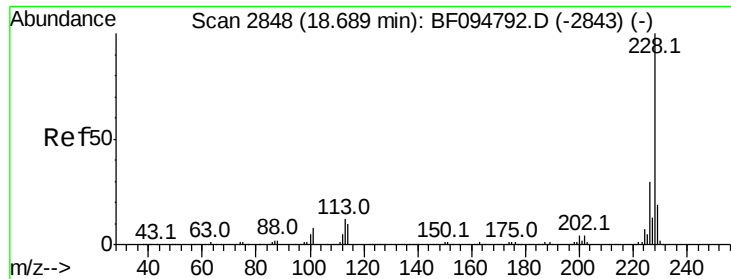
Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	22.5	16.3	24.5





#82

Chrysene

Concen: 4.52 ng

RT: 18.73 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

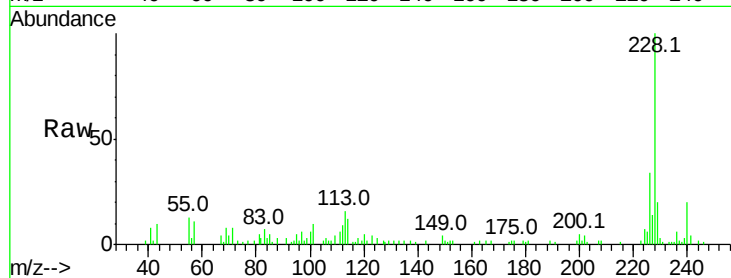
ClientSampleId :

E2-S4-ESW

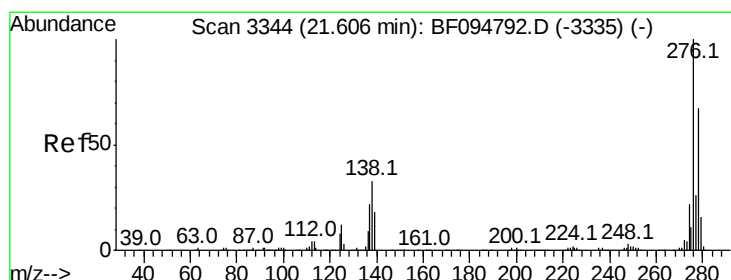
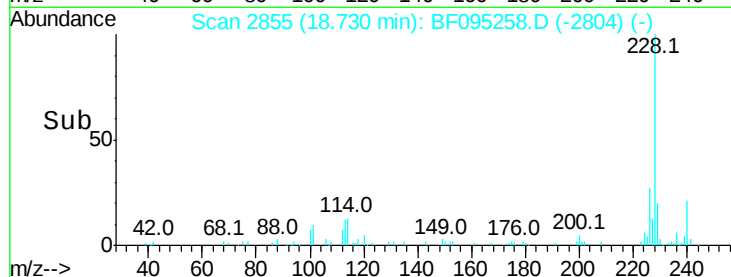
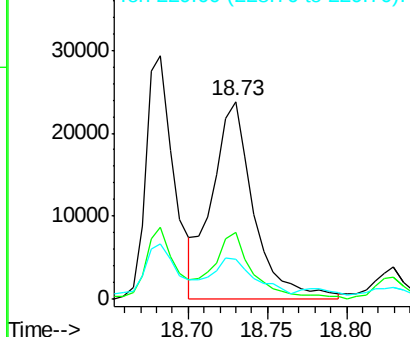
Tot Ion:	228	Resp:	43546
Ion Ratio	Lower	Upper	
228	100		
226	33.9	24.9	37.3
229	20.4	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.91 ng

RT: 21.72 min Scan# 3364

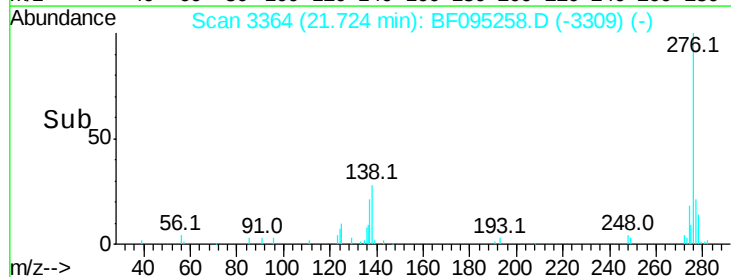
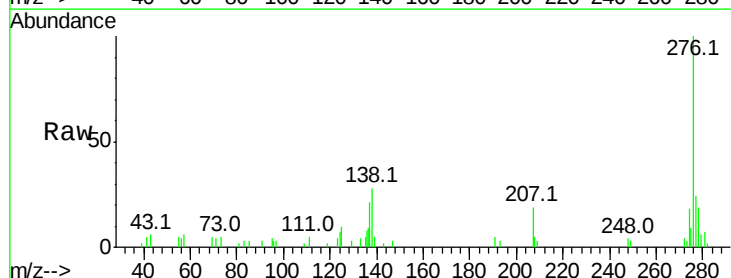
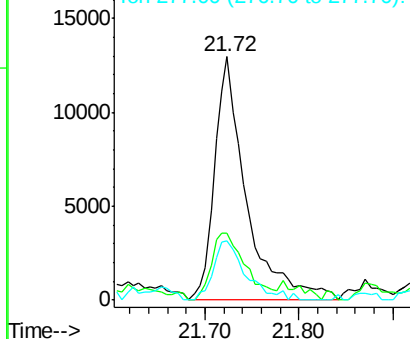
Delta R.T. 0.02 min

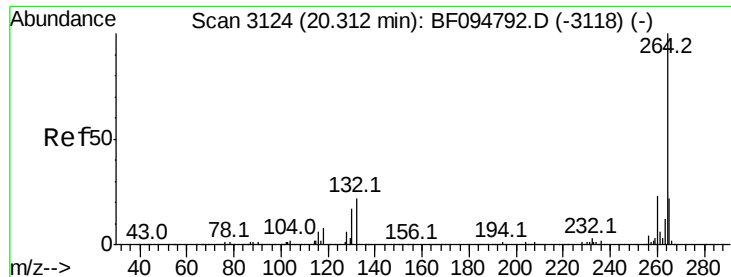
Lab File: BF095258.D

Acq: 19 May 2017 11:01

Tgt Ion:	276	Resp:	30597
Ion Ratio	Lower	Upper	
276	100		
138	29.9	27.8	41.6
277	25.0	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.37 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

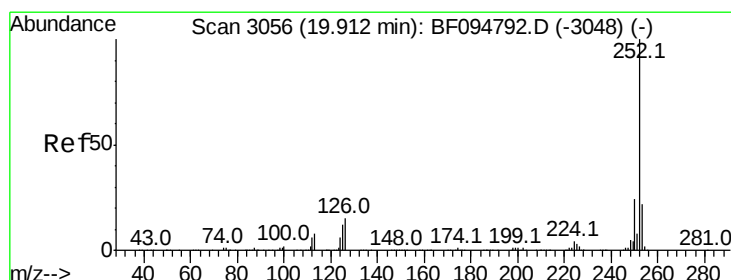
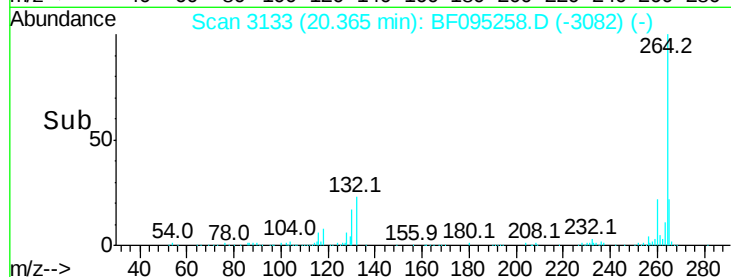
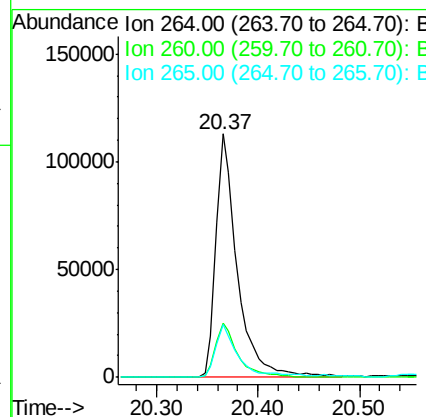
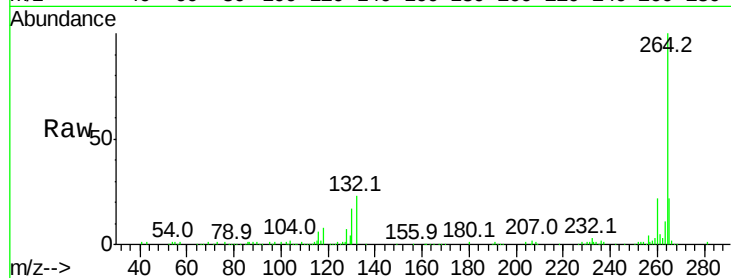
ClientSampleId :

E2-S4-ESW

Tot Ion:	264	Resp:	166721
Ion Ratio	Lower	Upper	
264	100		
260	22.3	19.5	29.3
265	21.7	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 4.66 ng m

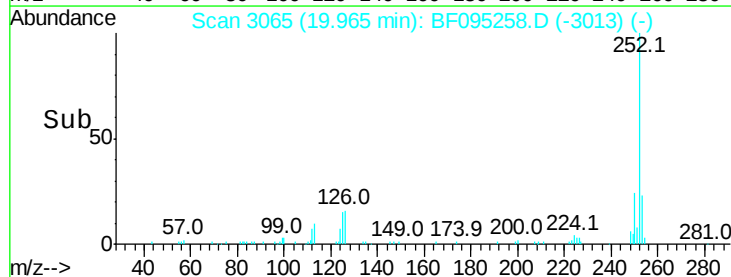
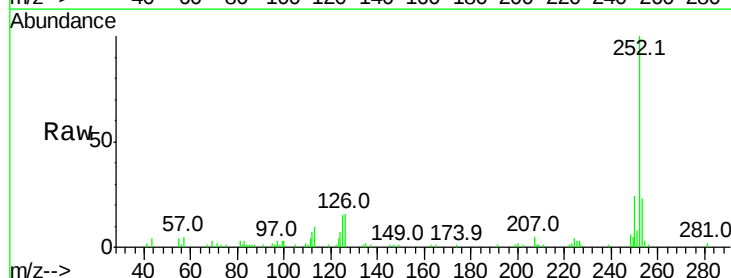
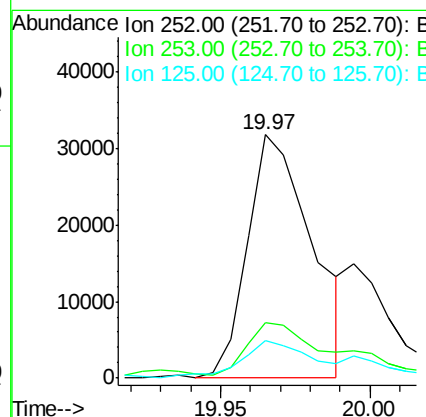
RT: 19.97 min Scan# 3065

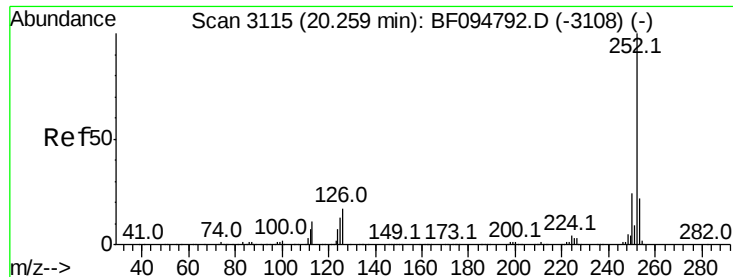
Delta R.T. 0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Tgt Ion:	252	Resp:	48027
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	15.3	9.8	14.8#





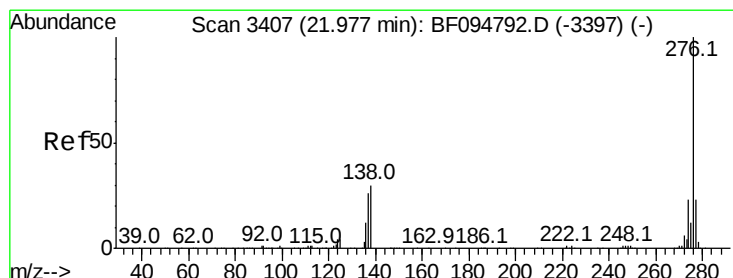
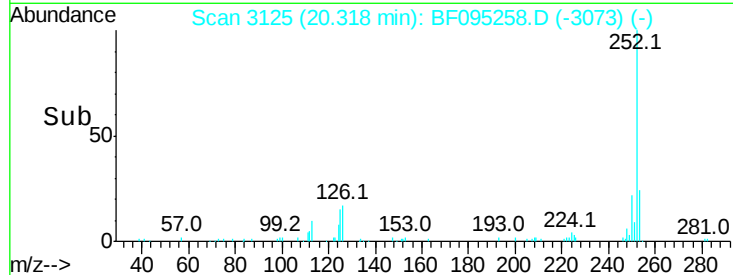
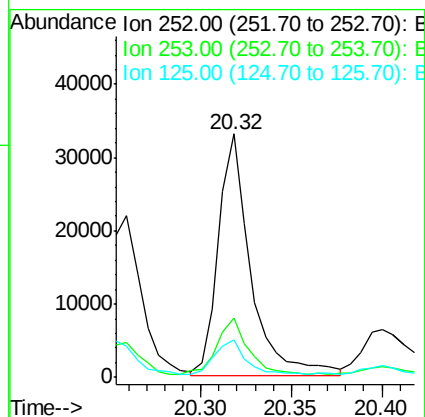
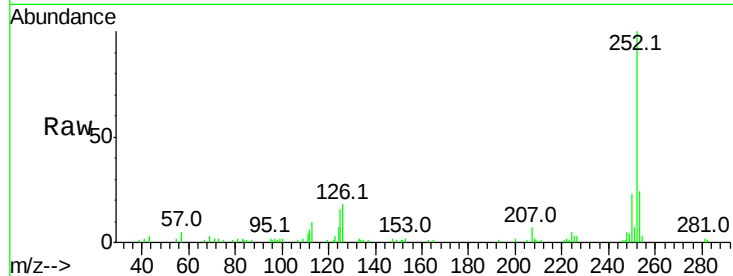
#89
Benzo(a)pyrene
Concen: 4.33 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampleId :
E2-S4-ESW

Tot Ion:	252	Resp:	41201
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.5	26.3
125	15.6	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.96 ng
RT: 22.11 min Scan# 3430
Delta R.T. 0.03 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion:	276	Resp:	30505
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.6	28.0
138	32.2	25.4	38.0

