

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095162.D
 Acq On : 16 May 2017 18:21
 Operator : SJ/MA
 Sample : I3139-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-ESW

Manual Integrations
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Quant Time: May 17 13:13:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	96686	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	385633	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	166371	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	307326	20.00	ng	0.04
75) Chrysene-d12	18.69	240	232341	20.00	ng	0.04
86) Perylene-d12	20.37	264	144426	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	825726	142.38	ng	0.08
7) Phenol-d6	7.32	99	1011216	145.33	ng	0.04
23) Nitrobenzene-d5	8.68	82	603314	98.65	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	213399	156.62	ng	0.04
44) 2-Fluorobiphenyl	11.57	172	1294958	112.03	ng	0.04
78) Terphenyl-d14	17.35	244	976250	92.55	ng	0.04
Target Compounds						
49) Dimethylphthalate	12.25	163	134469	9.85	ng	99
70) Phenanthrene	15.06	178	87306	4.94	ng	98
74) Fluoranthene	16.80	202	157963	8.72	ng	98
77) Pyrene	17.11	202	142063	8.18	ng	97
80) Benzo(a)anthracene	18.68	228	48862	3.61	ng	95
82) Chrysene	18.72	228	56695	4.34	ng	97
87) Benzo(b)fluoranthene	19.97	252	44517m	4.99	ng	
88) Benzo(k)fluoranthene	19.99	252	20940m	2.43	ng	
89) Benzo(a)pyrene	20.31	252	33082	4.02	ng	97
91) Benzo(g,h,i)perylene	22.11	276	21208	3.18	ng	98

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

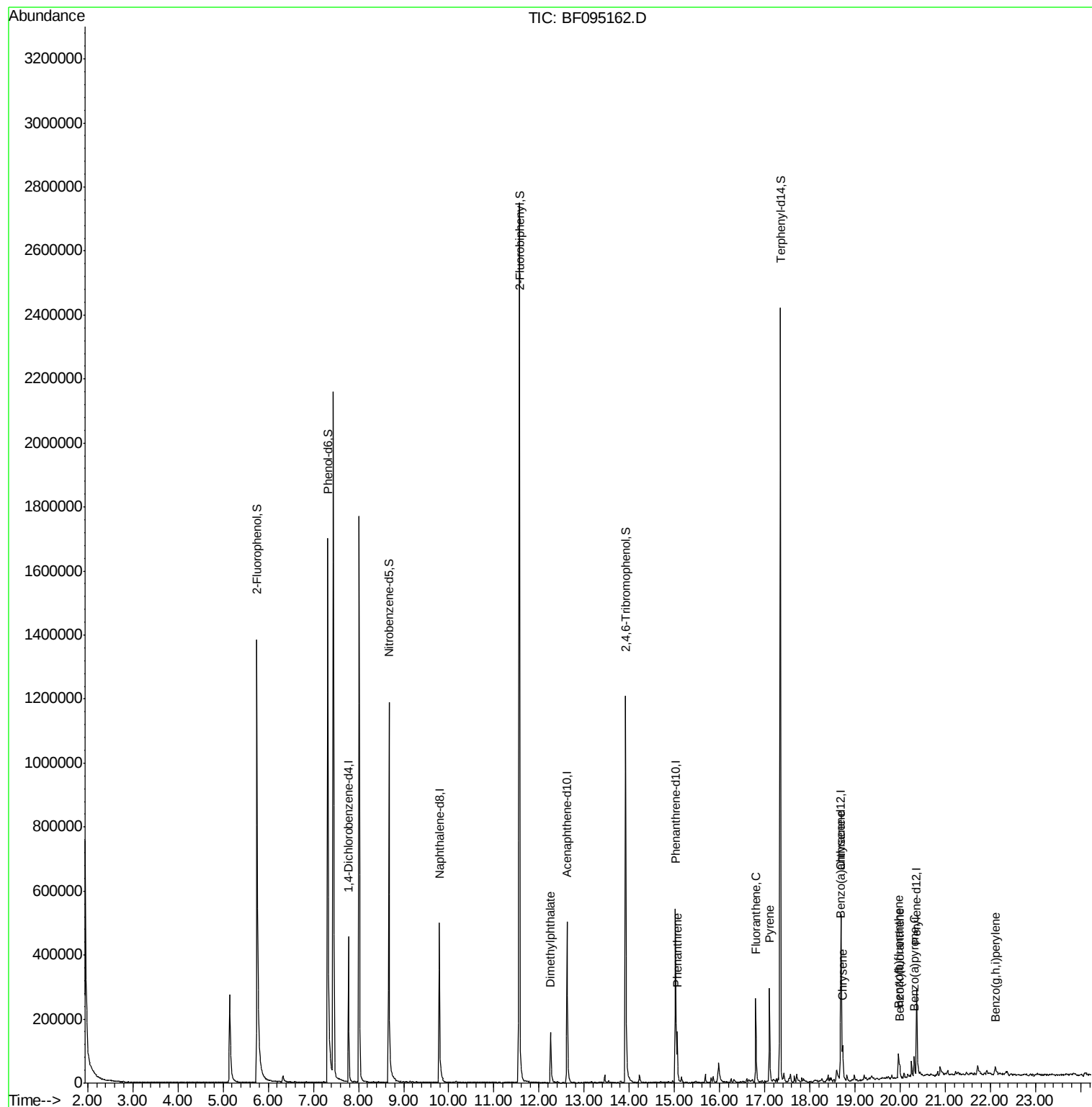
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
Data File : BF095162.D
Acq On : 16 May 2017 18:21
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Misc :
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Manual Integrations
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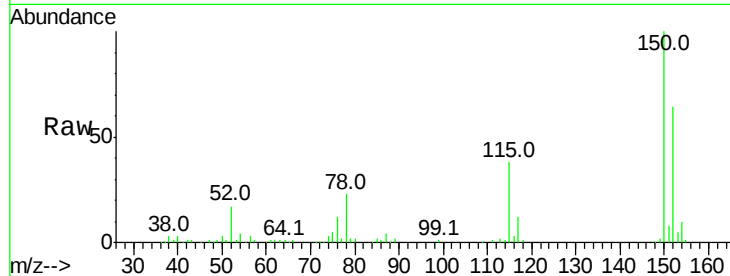
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.78 min Scan# 993
 Delta R.T. 0.05 min
 Lab File: BF095162.D
 Acq: 16 May 2017 18:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	59.7	52.2	78.2

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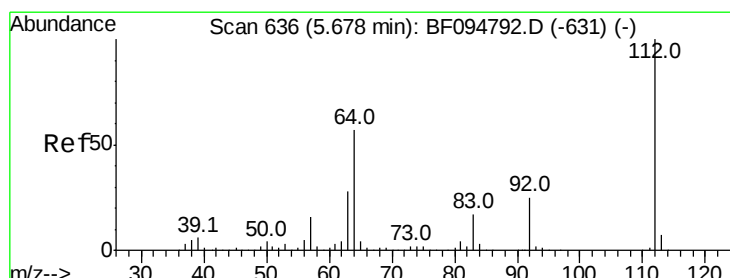
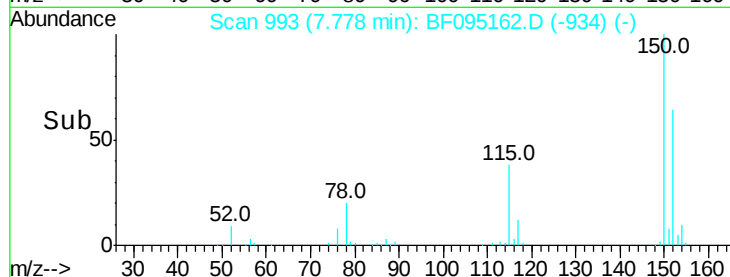
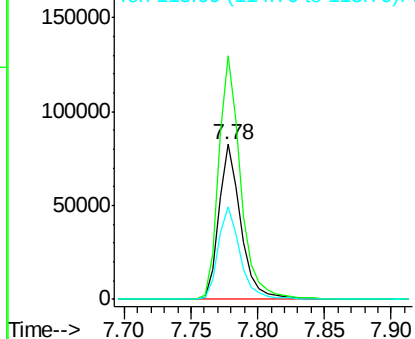


Abundance

Ion 152.00 (151.70 to 152.70): E

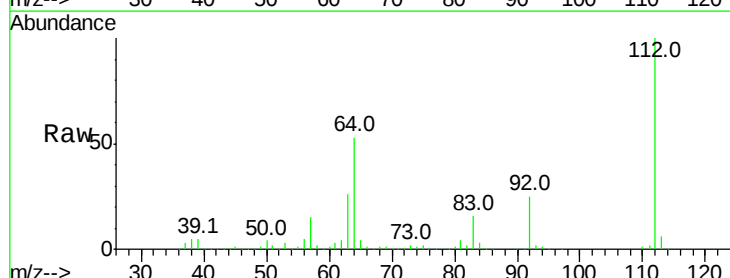
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 142.38 ng
 RT: 5.75 min Scan# 649
 Delta R.T. 0.08 min
 Lab File: BF095162.D
 Acq: 16 May 2017 18:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	46.0	69.0
63	25.8	23.4	35.0

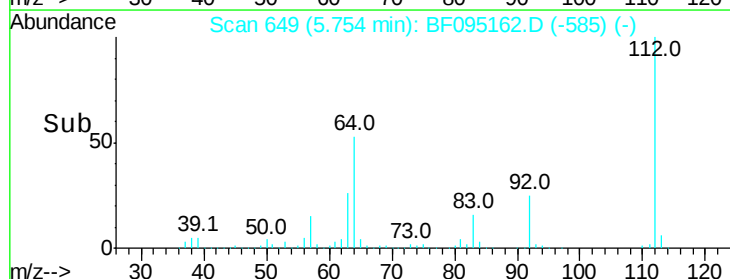
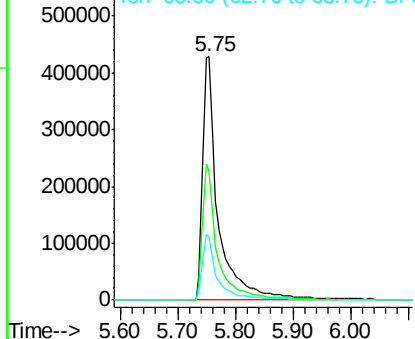


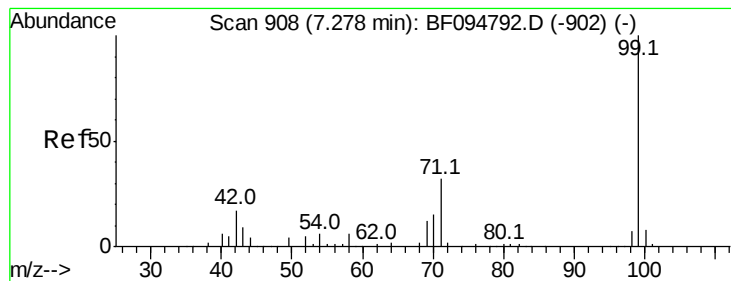
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.33 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.04 min

Lab File: BF095162.D

Acq: 16 May 2017 18:21

Instrument :

BNA_F

ClientSampleId :

E2-U10-ESW

Tot Ion: 99 Resp: 1011216

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

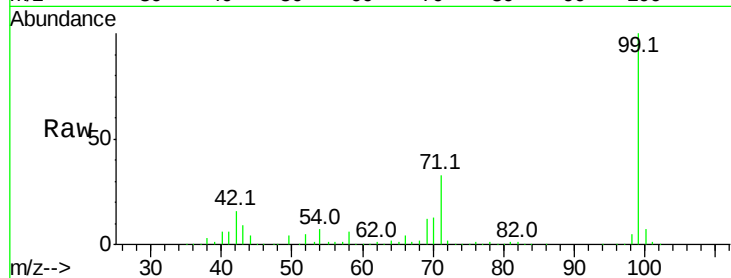
71 32.5 24.5 36.7

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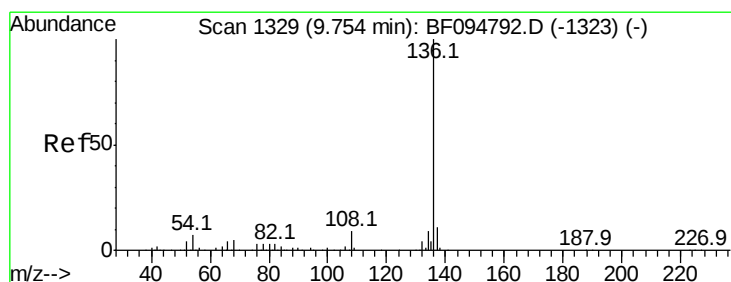
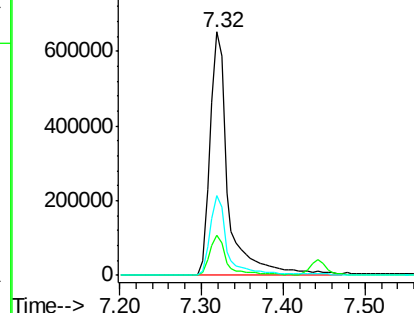
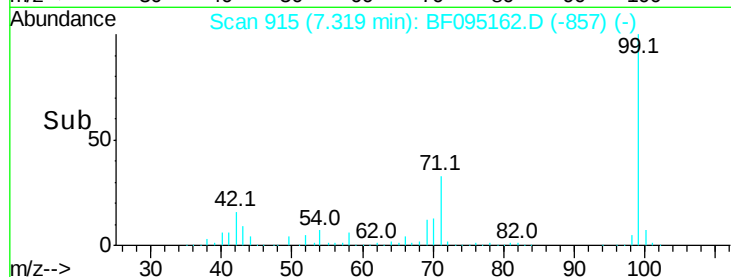
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095162.D

Acq: 16 May 2017 18:21

Tgt Ion: 136 Resp: 385633

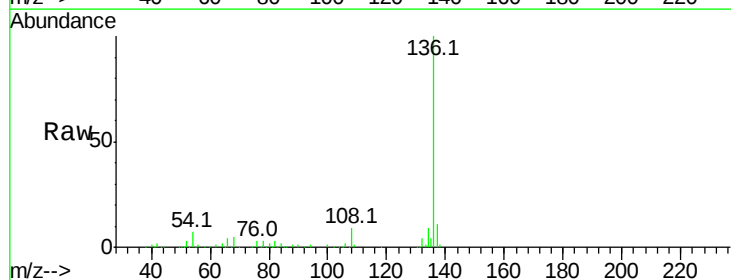
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.0 4.9 7.3

68 5.2 4.1 6.1

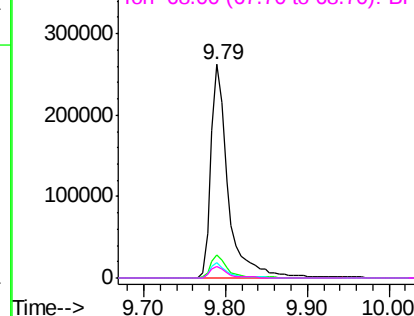
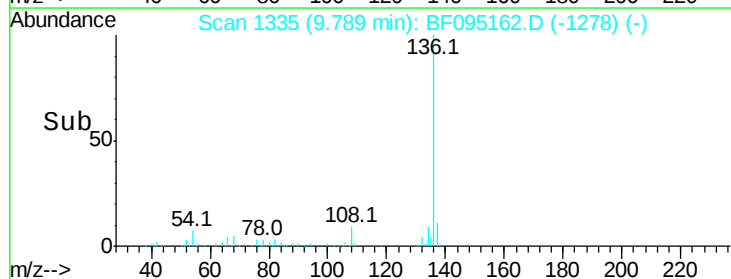


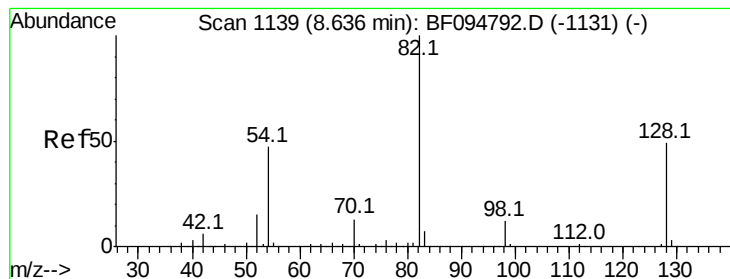
Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.65 ng

RT: 8.68 min Scan# 1146

Delta R.T. 0.04 min

Lab File: BF095162.D

Acq: 16 May 2017 18:21

Instrument :

BNA_F

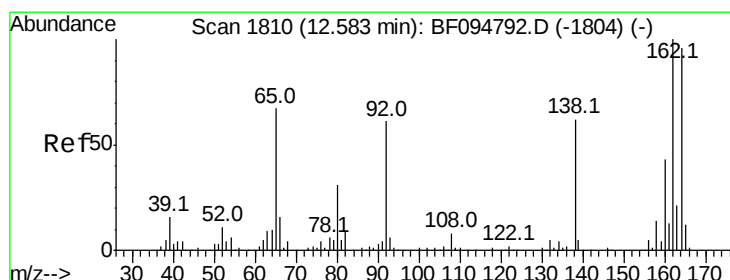
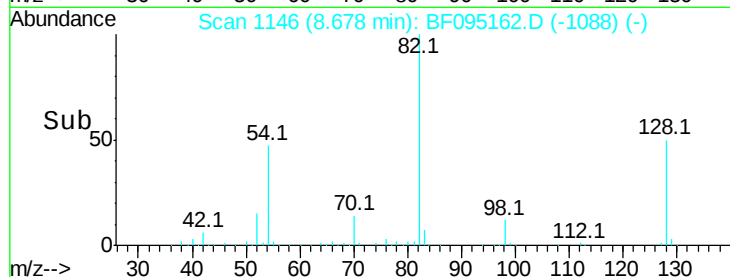
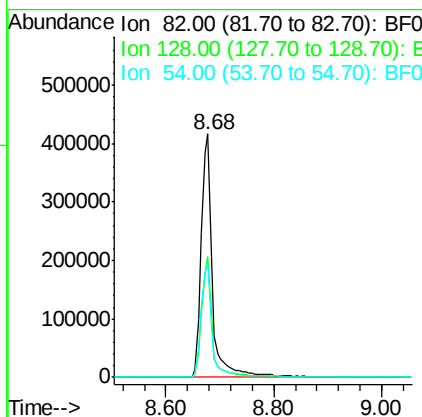
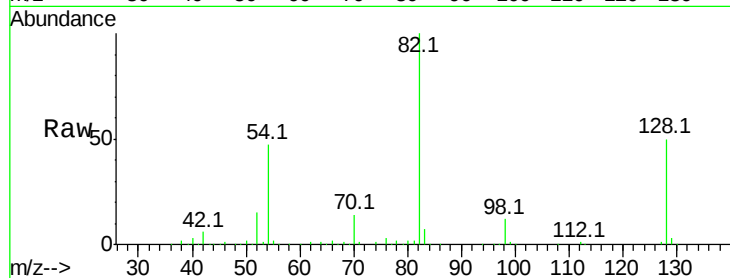
ClientSampleId :

E2-U10-ESW

Tot Ion:	82	Resp:	603314
Ion Ratio	Lower	Upper	
82	100		
128	49.9	34.0	51.0
54	46.9	42.2	63.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

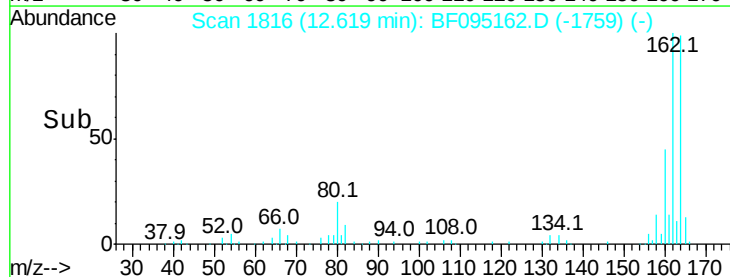
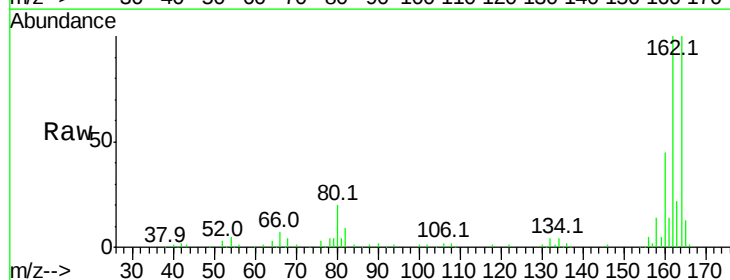
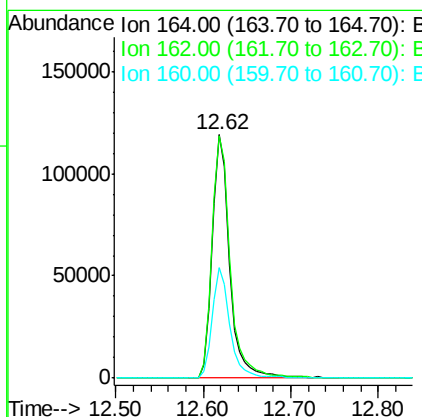
RT: 12.62 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF095162.D

Acq: 16 May 2017 18:21

Tgt Ion:	164	Resp:	166371
Ion Ratio	Lower	Upper	
164	100		
162	99.8	82.6	123.8
160	45.2	36.2	54.2





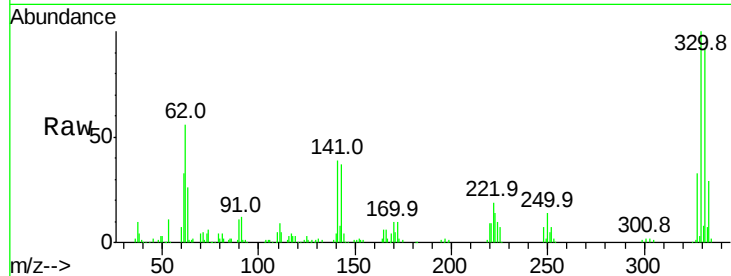
#41
 2,4,6-Tribromophenol
 Concen: 156.62 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.04 min
 Lab File: BF095162.D
 Acq: 16 May 2017 18:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	213399		
332	97.6	76.6	115.0	
141	39.6	31.4	47.2	

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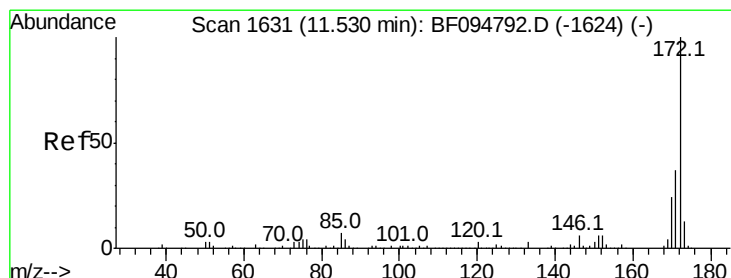
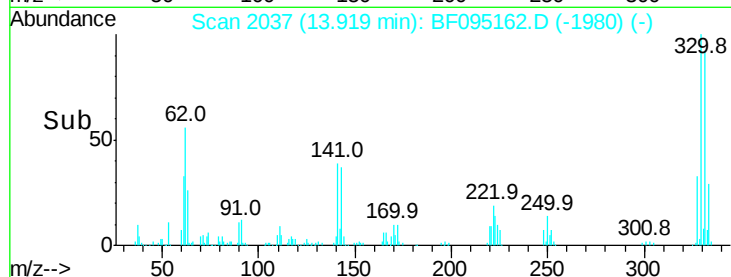
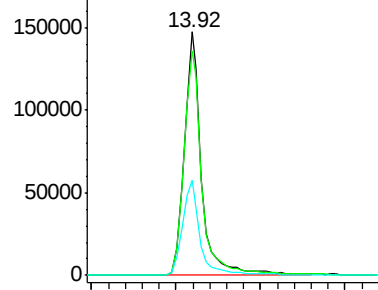


Abundance

Ion 329.80 (329.50 to 330.50): E

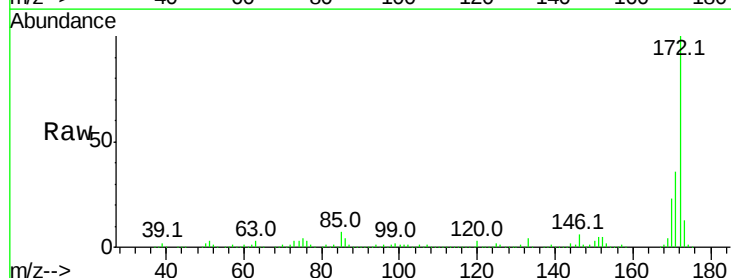
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 112.03 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.04 min
 Lab File: BF095162.D
 Acq: 16 May 2017 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1294958		
171	36.5	29.6	44.4	
170	23.5	19.8	29.8	

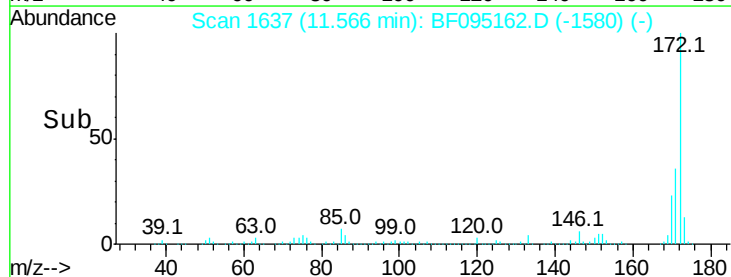
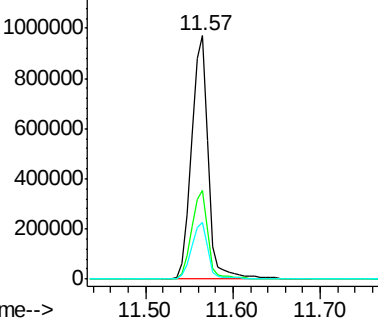


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





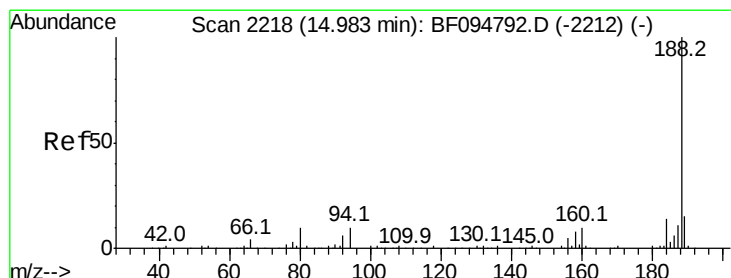
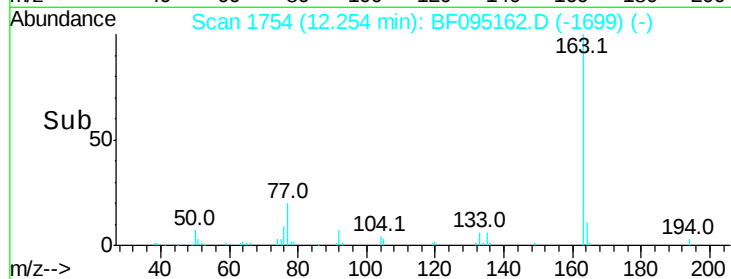
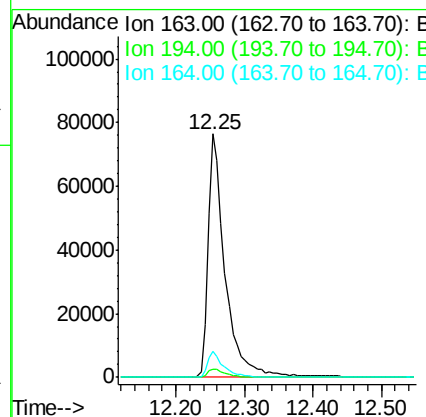
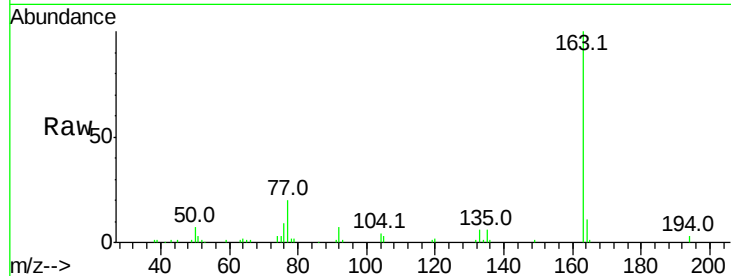
#49
Dimethylphthalate
Concen: 9.85 ng
RT: 12.25 min Scan# 1754
Delta R.T. 0.02 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Instrument :
BNA_F
ClientSampled :
E2-U10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	134469		
194	3.5	2.6	4.0	
164	10.7	8.4	12.6	

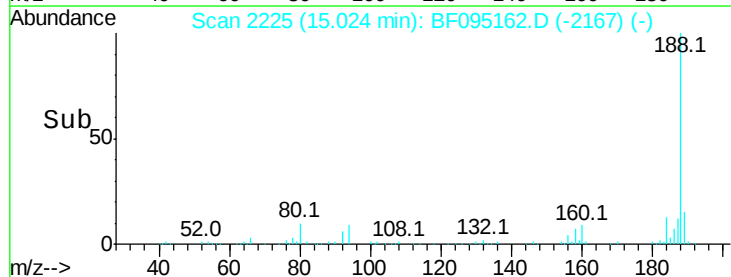
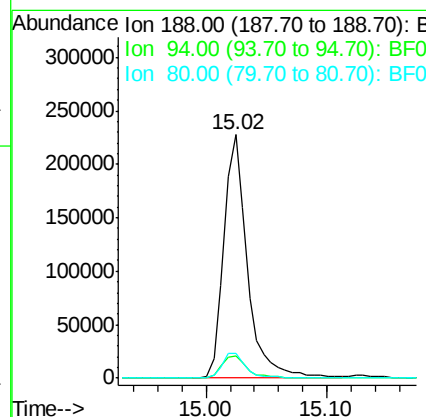
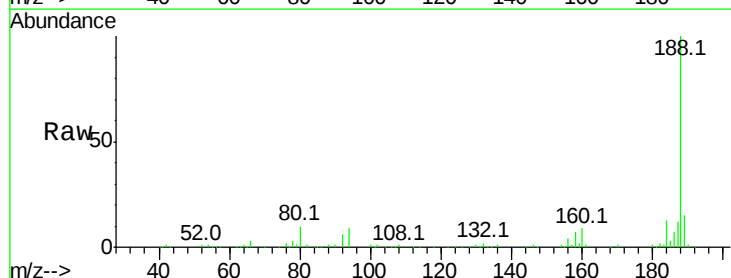
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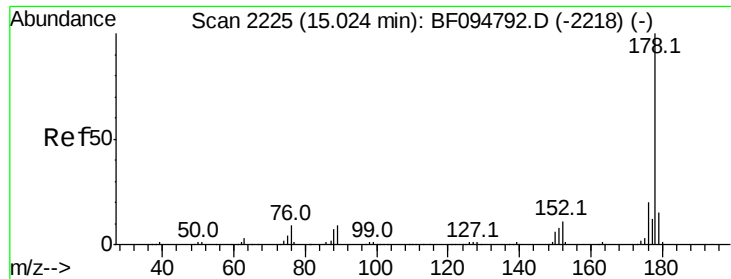
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2225
Delta R.T. 0.04 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	307326		
94	9.3	9.4	14.2#	
80	10.2	10.2	15.2	





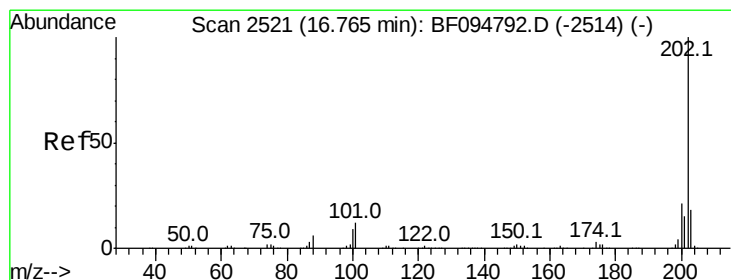
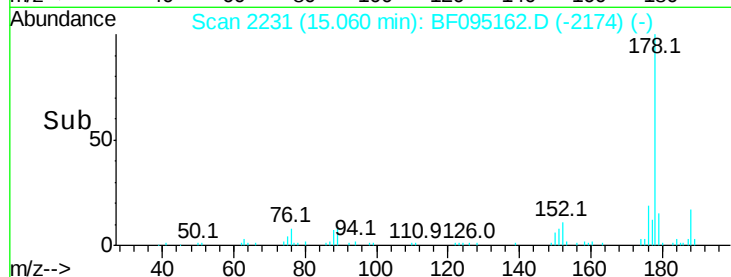
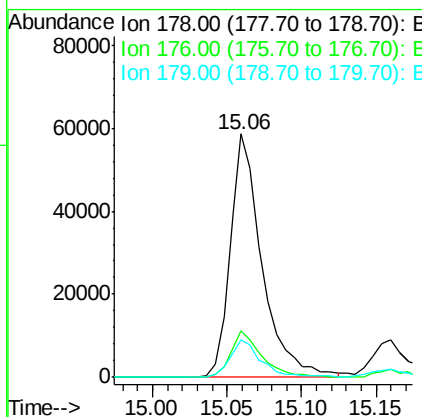
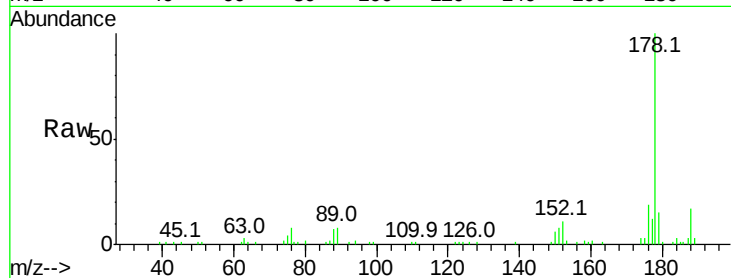
#70
Phenanthrene
Concen: 4.94 ng
RT: 15.06 min Scan# 2231
Delta R.T. 0.04 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Instrument :
BNA_F
ClientSampleId :
E2-U10-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.2	12.6	19.0

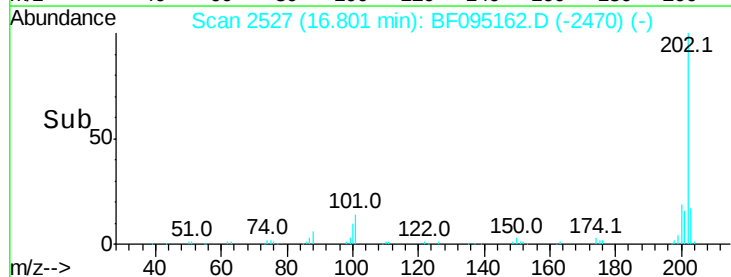
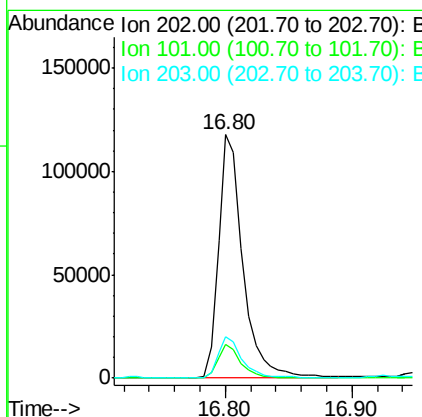
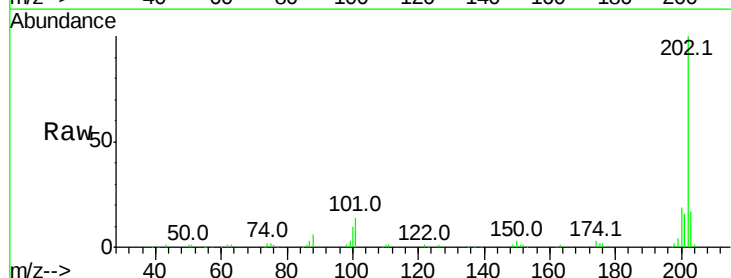
Manual Integrations
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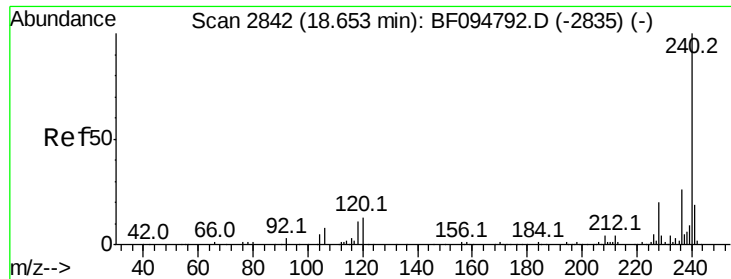
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#74
Fluoranthene
Concen: 8.72 ng
RT: 16.80 min Scan# 2527
Delta R.T. 0.04 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	16.8	0.0	38.1





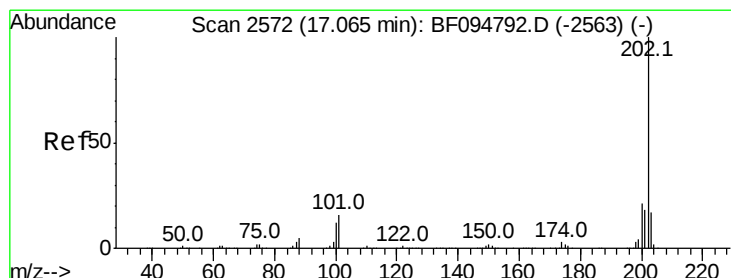
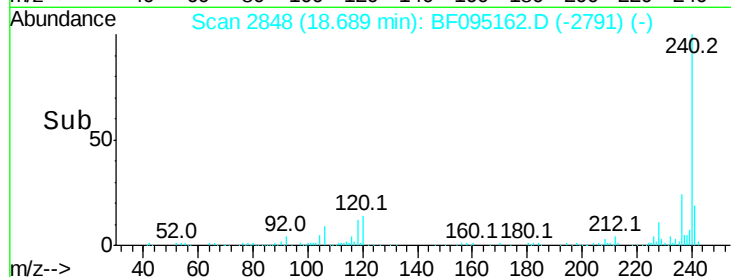
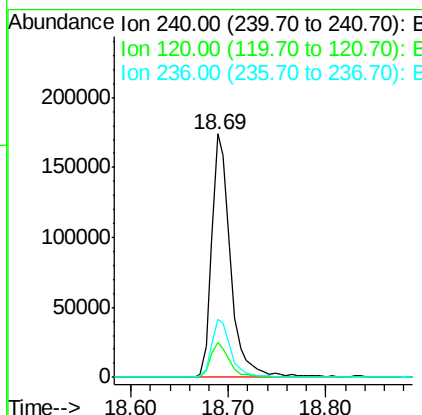
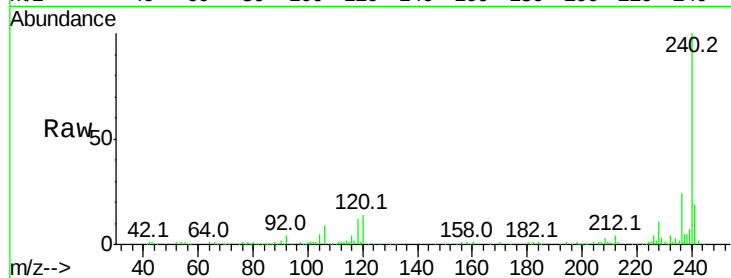
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. 0.04 min
 Lab File: BF095162.D
 Acq: 16 May 2017 18:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-ESW

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	24.0	20.5	30.7

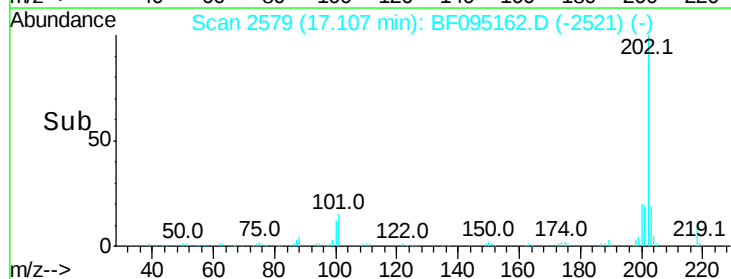
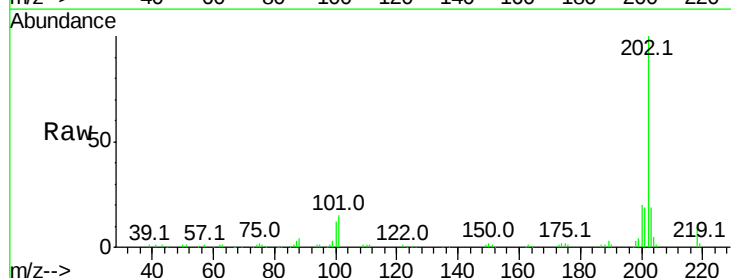
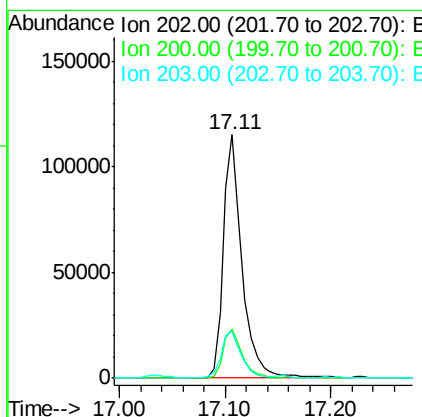
Manual Integrations
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#77
 Pyrene
 Concen: 8.18 ng
 RT: 17.11 min Scan# 2579
 Delta R.T. 0.04 min
 Lab File: BF095162.D
 Acq: 16 May 2017 18:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	19.1	14.4	21.6





#78

Terphenyl-d14

Concen: 92.55 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.04 min

Lab File: BF095162.D

Acq: 16 May 2017 18:21

Instrument :

BNA_F

ClientSampled :

E2-U10-ESW

Tot Ion:244 Resp: 976250

Ion Ratio Lower Upper

244 100

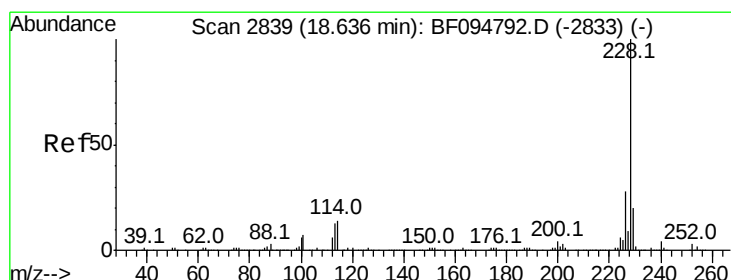
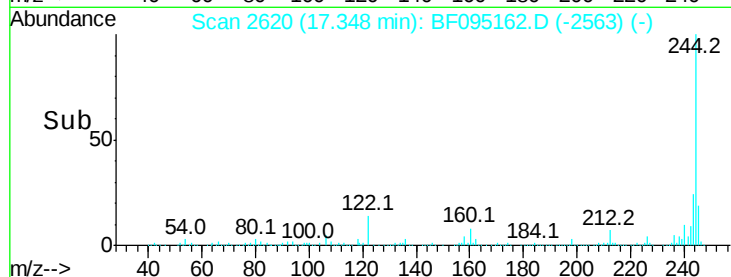
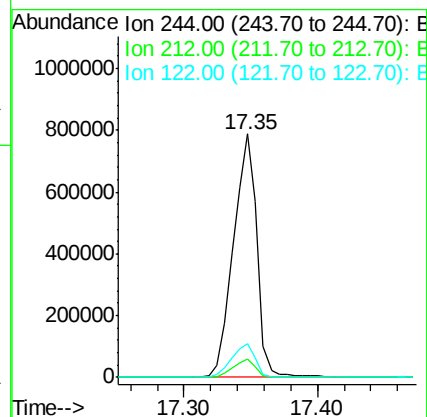
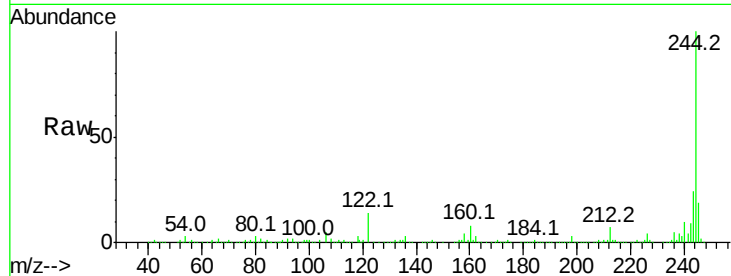
212 7.3 6.0 9.0

122 13.9 10.3 15.5

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#80

Benzo(a)anthracene

Concen: 3.61 ng

RT: 18.68 min Scan# 2846

Delta R.T. 0.04 min

Lab File: BF095162.D

Acq: 16 May 2017 18:21

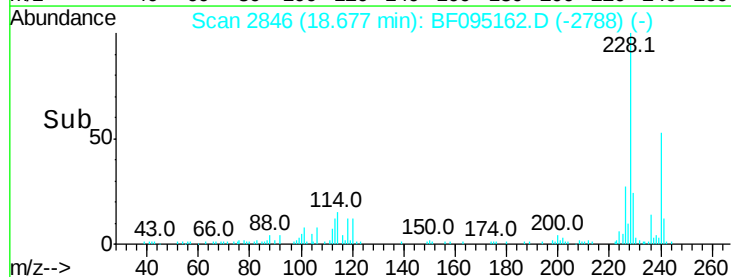
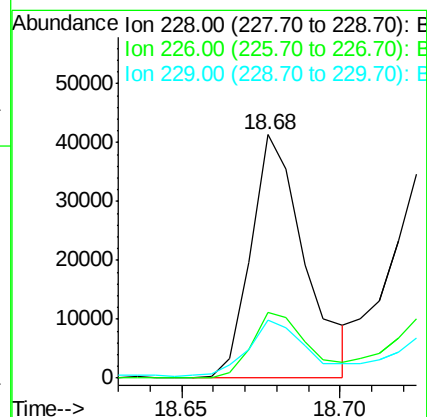
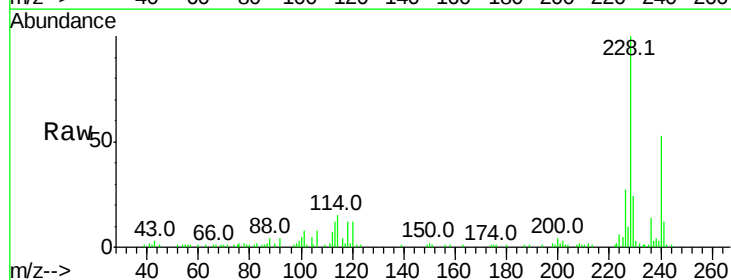
Tgt Ion:228 Resp: 48862

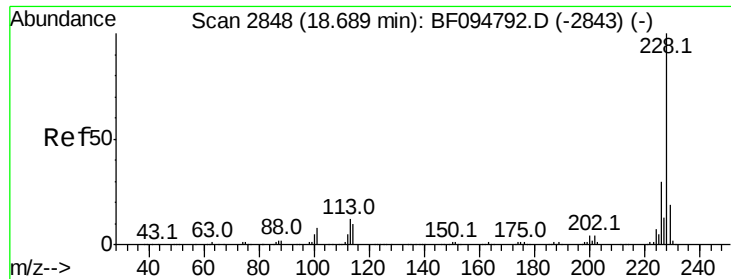
Ion Ratio Lower Upper

228 100

226 26.8 22.6 33.8

229 23.9 16.3 24.5





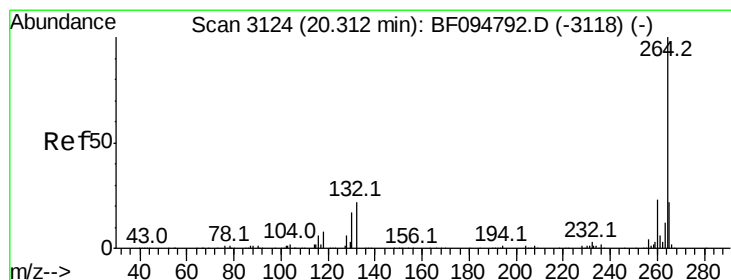
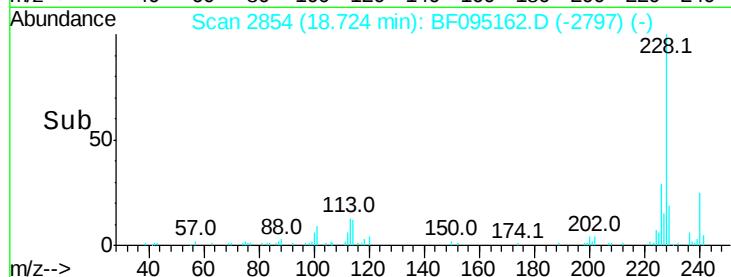
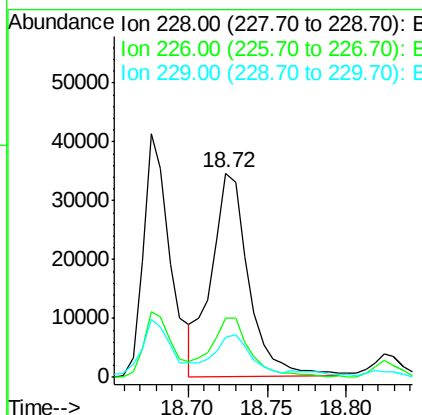
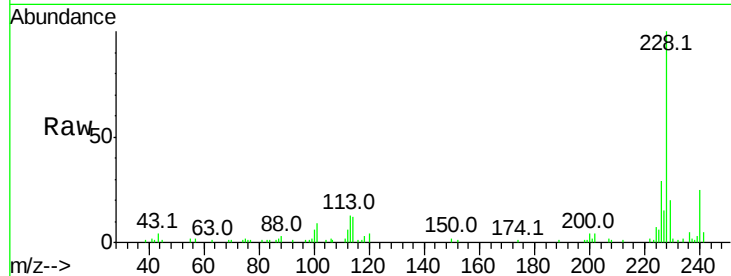
#82
Chrysene
Concen: 4.34 ng
RT: 18.72 min Scan# 2854
Delta R.T. 0.04 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Instrument :
BNA_F
ClientSampled :
E2-U10-ESW

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.9	37.3
229	19.8	15.8	23.6

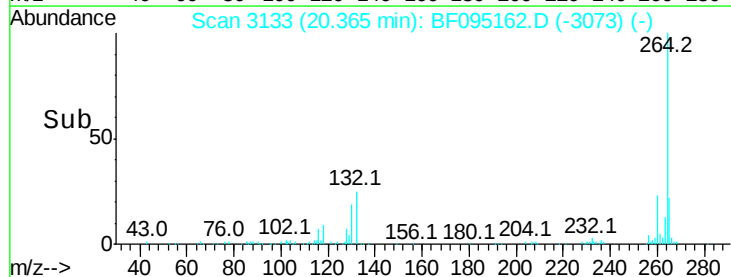
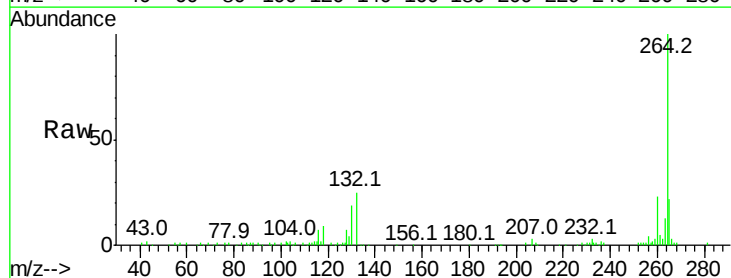
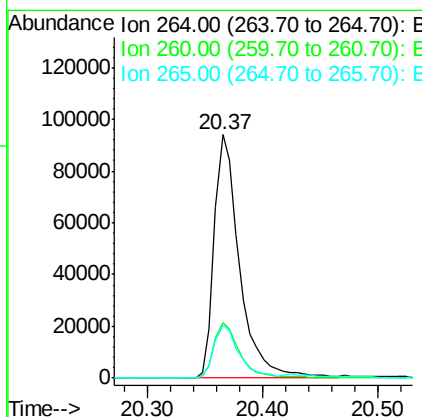
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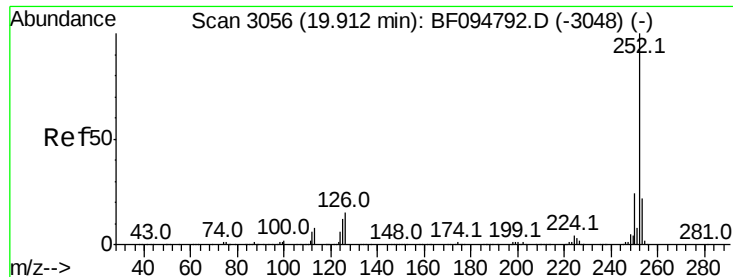
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.7	17.2	25.8





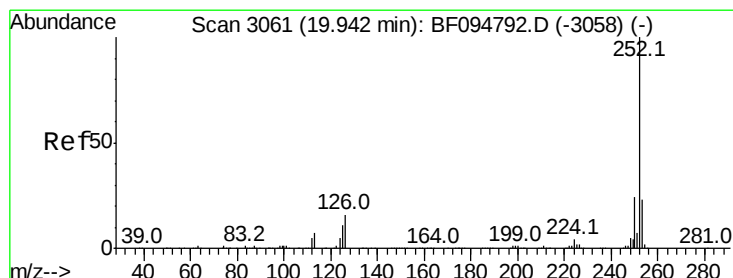
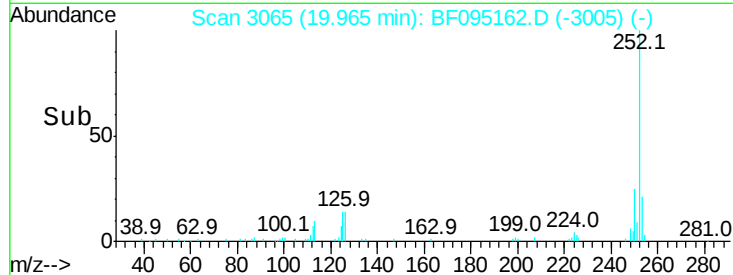
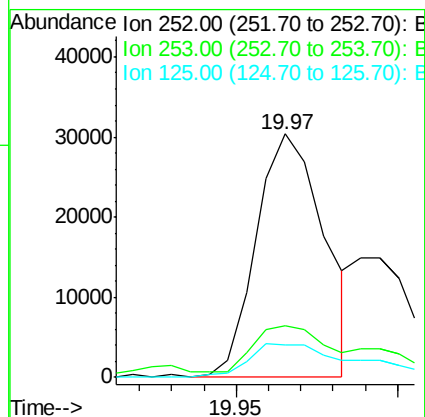
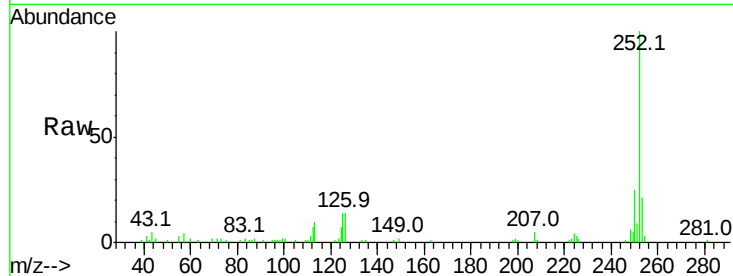
#87
Benzo(b)fluoranthene
Concen: 4.99 ng m
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Instrument :
BNA_F
ClientSampleId :
E2-U10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.1	27.1
125	13.5	9.8	14.8

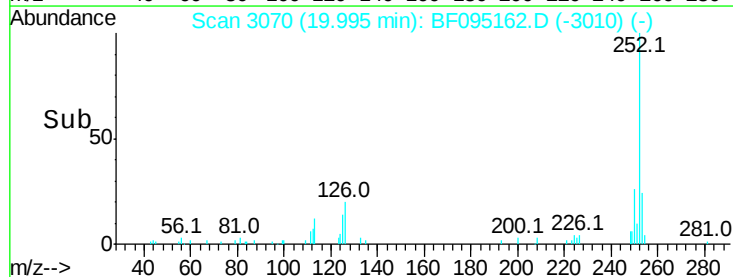
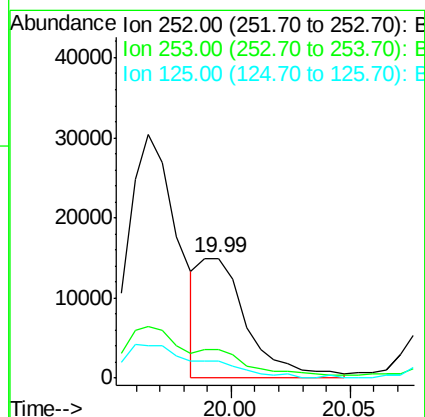
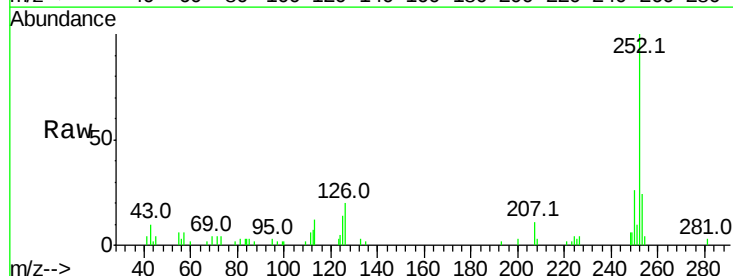
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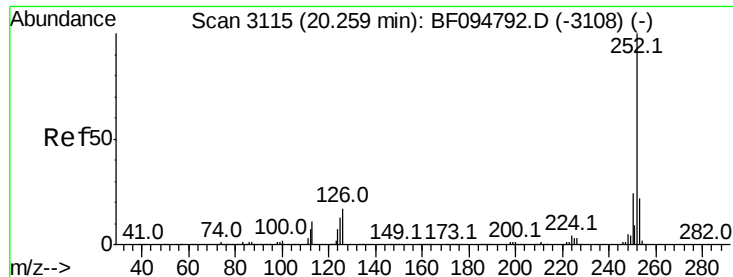
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#88
Benzo(k)fluoranthene
Concen: 2.43 ng m
RT: 19.99 min Scan# 3070
Delta R.T. 0.05 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	13.9	13.1	19.7





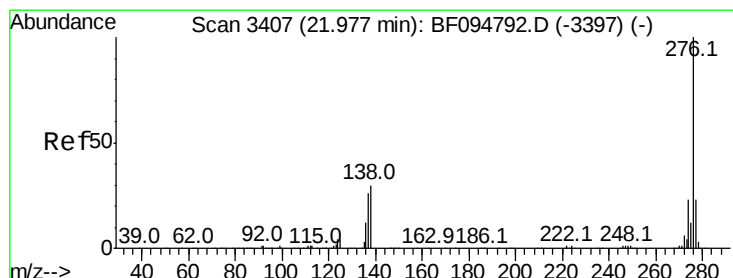
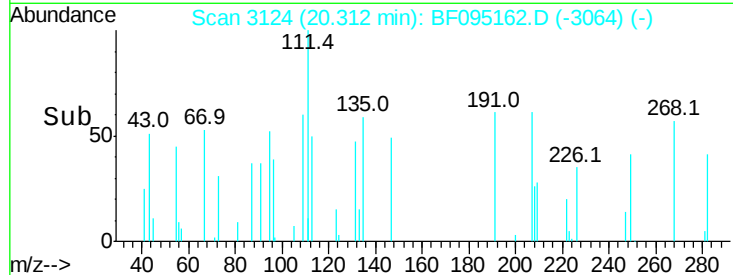
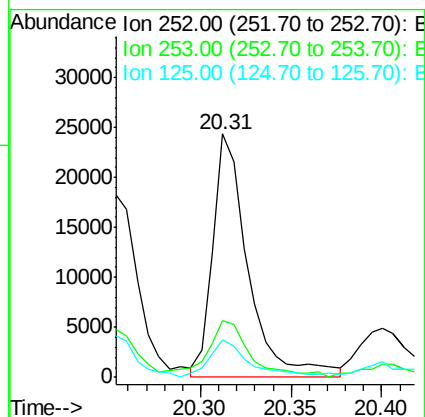
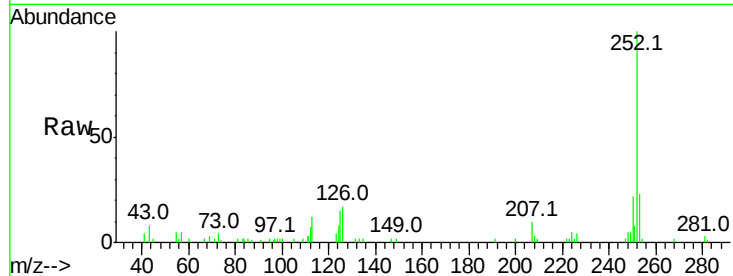
#89
Benzo(a)pyrene
Concen: 4.02 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.05 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Instrument :
BNA_F
ClientSampleId :
E2-U10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	15.3	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.18 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.13 min
Lab File: BF095162.D
Acq: 16 May 2017 18:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	33.7	25.4	38.0

