

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
 Data File : BF095259.D
 Acq On : 19 May 2017 11:34
 Operator : SJ/MA
 Sample : I3186-14
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-NSW

Manual Integrations
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Quant Time: May 19 14:57:22 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	104247	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	399193	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	192195	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	311929	20.00	ng	0.00
75) Chrysene-d12	18.69	240	175415	20.00	ng	0.00
86) Perylene-d12	20.36	264	181700	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	998700	159.72	ng	0.00
7) Phenol-d6	7.32	99	1213962	161.81	ng	0.00
23) Nitrobenzene-d5	8.67	82	648491	102.44	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	228396	145.10	ng	0.00
44) 2-Fluorobiphenyl	11.56	172	1242899	93.08	ng	0.00
78) Terphenyl-d14	17.34	244	837569	105.17	ng	0.00
Target Compounds						
10) Phenol	7.33	94	29046	3.67	ng	Qvalue # 80
49) Dimethylphthalate	12.25	163	316702	20.07	ng	99
70) Phenanthrene	15.06	178	158292	8.83	ng	98
71) Anthracene	15.15	178	39796m	2.17	ng	
74) Fluoranthene	16.80	202	238036	12.95	ng	99
77) Pyrene	17.11	202	206477	15.74	ng	97
80) Benzo(a)anthracene	18.68	228	62102m	6.08	ng	
82) Chrysene	18.73	228	63380	6.42	ng	97
85) Indeno(1,2,3-cd)pyrene	21.72	276	29406	3.67	ng	96
87) Benzo(b)fluoranthene	19.96	252	67720m	6.03	ng	
88) Benzo(k)fluoranthene	19.99	252	29460m	2.72	ng	
89) Benzo(a)pyrene	20.31	252	56492	5.45	ng	93
91) Benzo(a,h,i)perylene	22.11	276	29259	3.48	ng	# 92

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

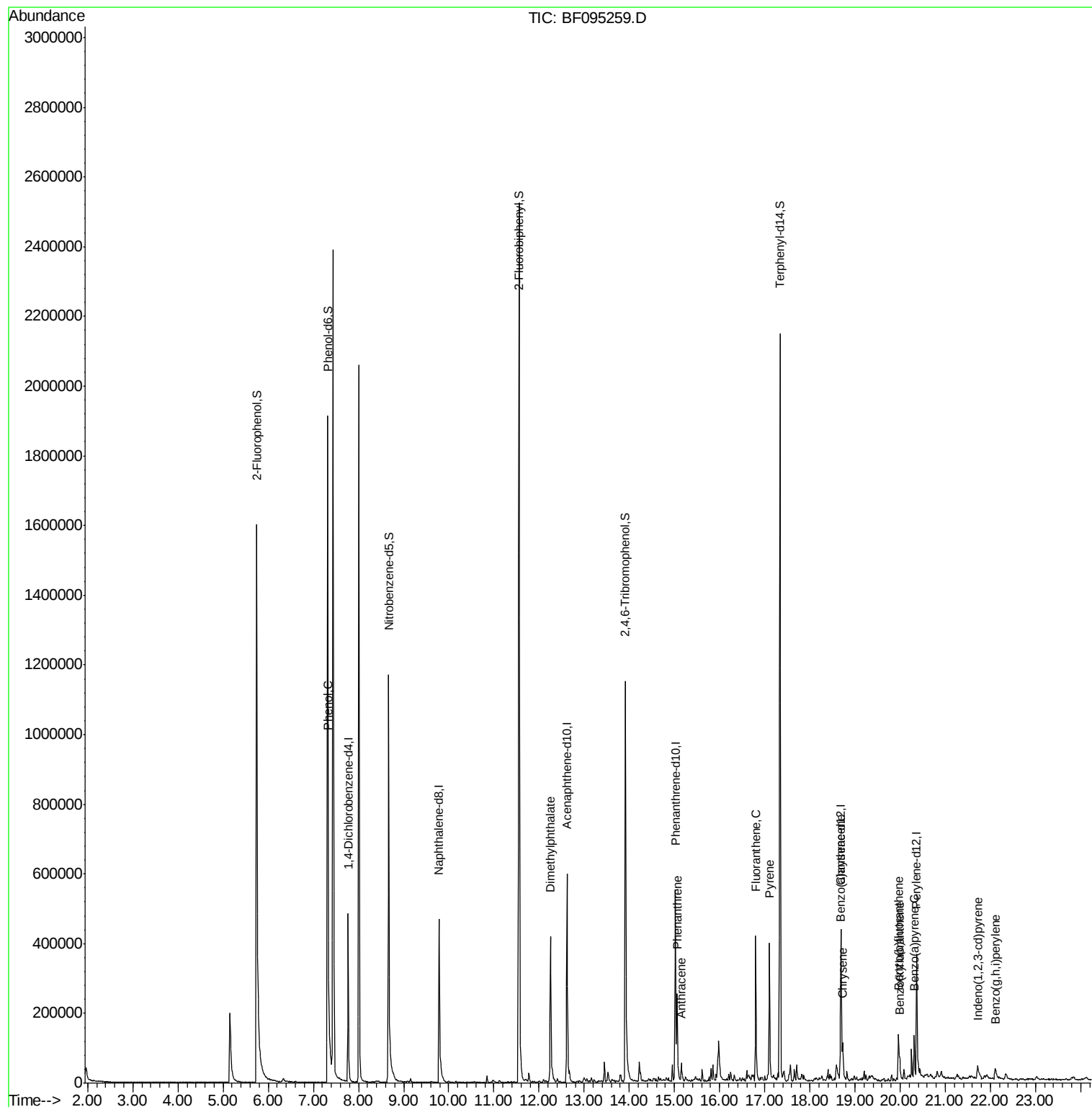
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
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#1

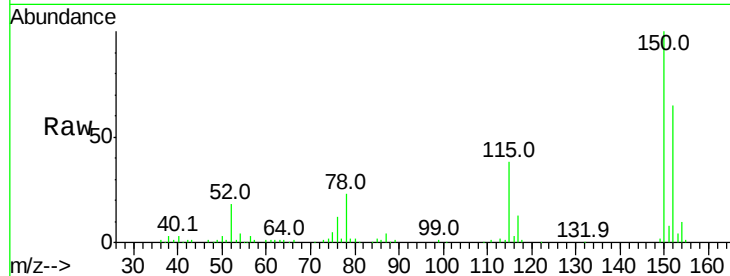
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Instrument :
BNA_F
ClientSampleId :
E2-S4-NSW

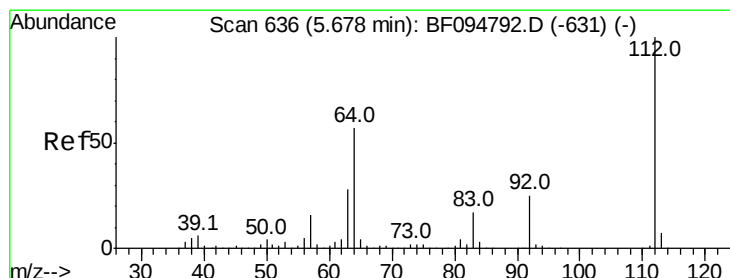
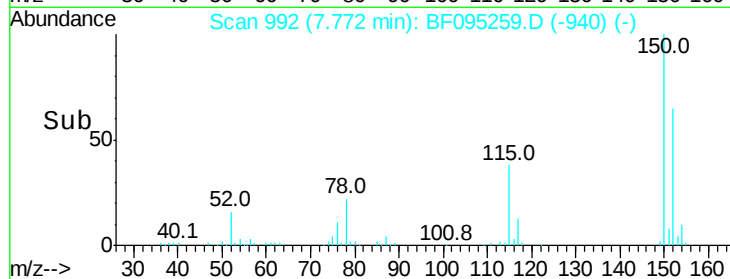
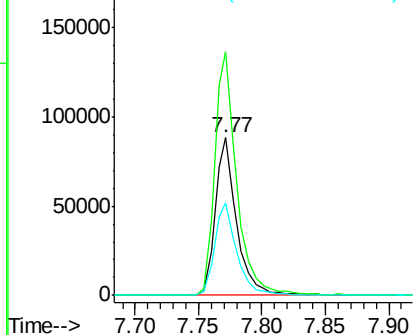
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	58.6	52.2	78.2

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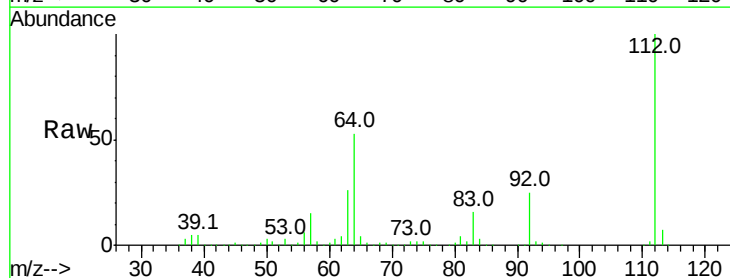
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



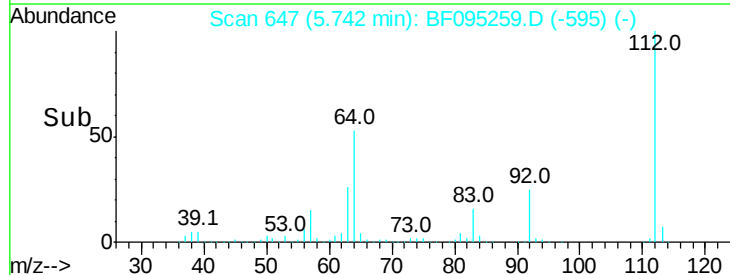
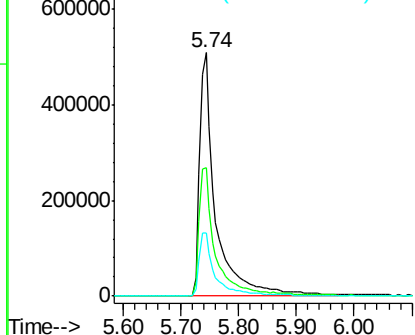
#5

2-Fluorophenol
Concen: 159.72 ng
RT: 5.74 min Scan# 647
Delta R.T. 0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	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: 161.81 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

E2-S4-NSW

Tot Ion: 99 Resp: 1213962

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

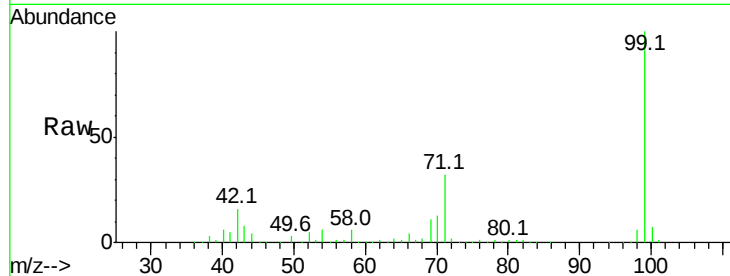
71 31.6 24.5 36.7

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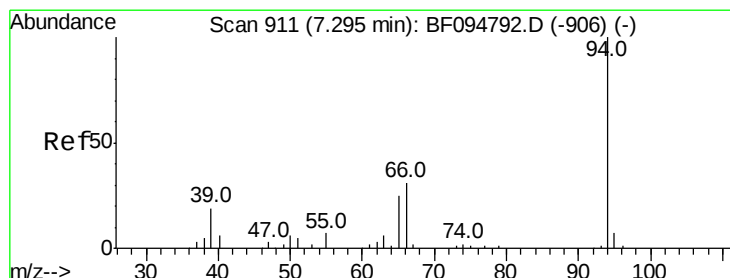
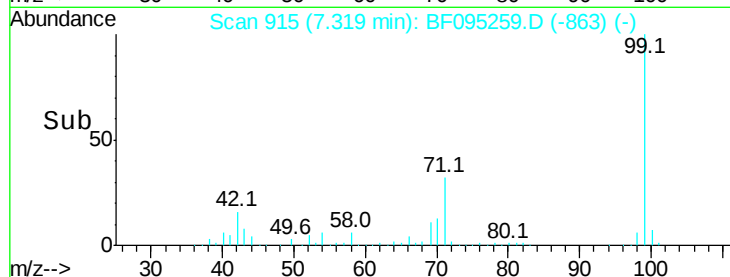
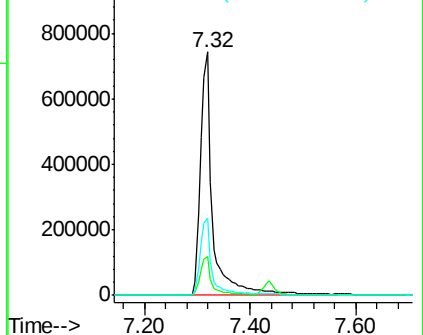
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.67 ng

RT: 7.33 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

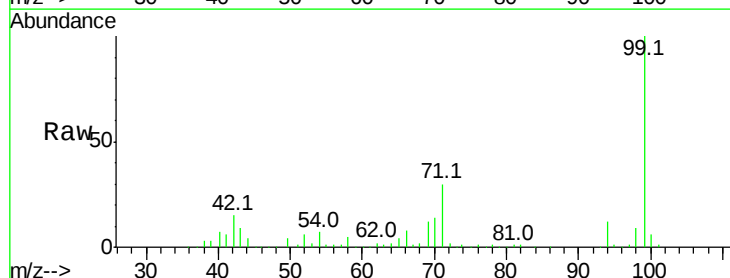
Tgt Ion: 94 Resp: 29046

Ion Ratio Lower Upper

94 100

65 30.2 9.9 49.9

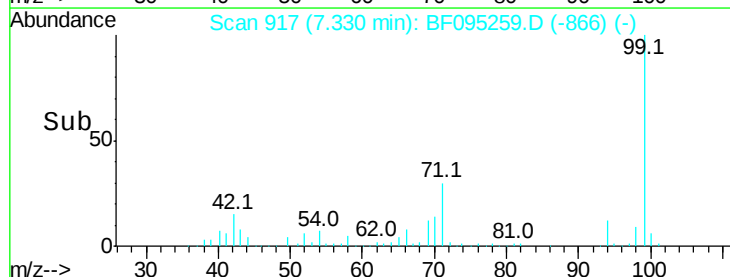
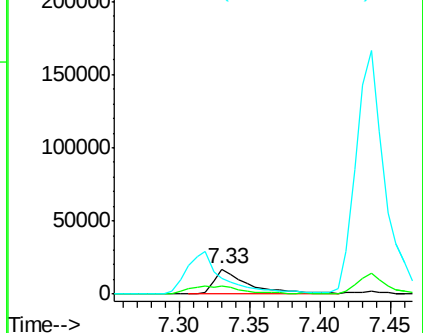
66 64.1 23.1 63.1#

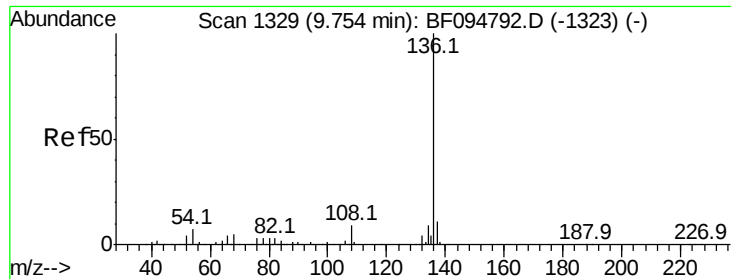


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





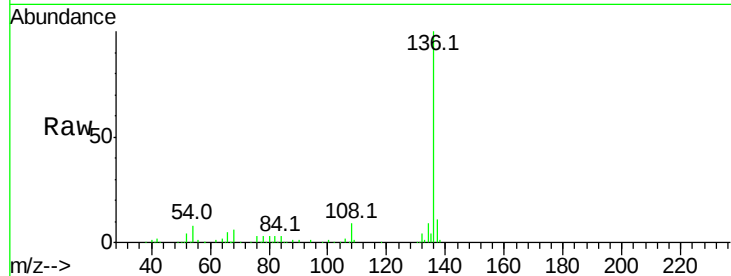
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.78 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Instrument :
BNA_F
ClientSampleId :
E2-S4-NSW

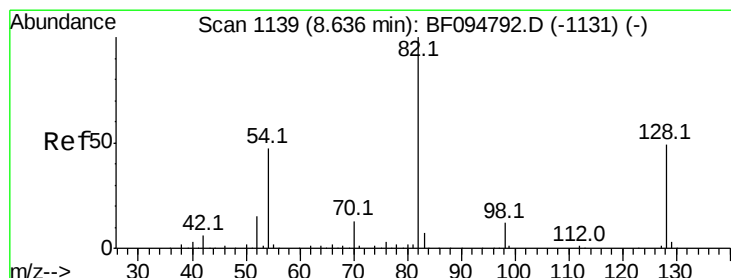
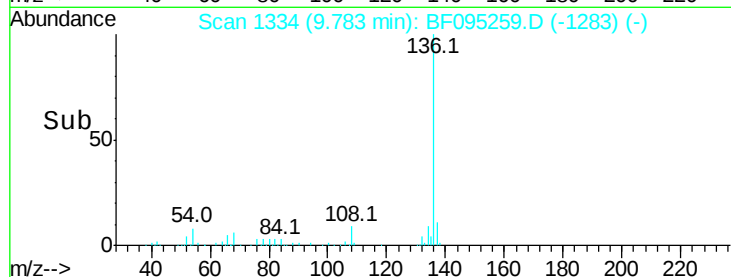
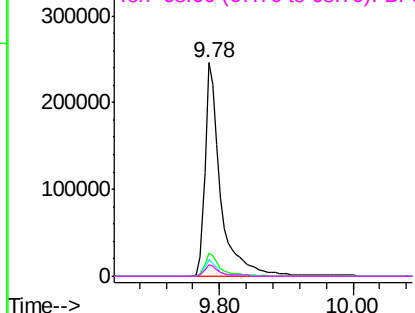
Tot Ion	Ratio	Resp	Lower	Upper
136	100	399193		
137	10.7		8.5	12.7
54	7.7		4.9	7.3#
68	5.6		4.1	6.1

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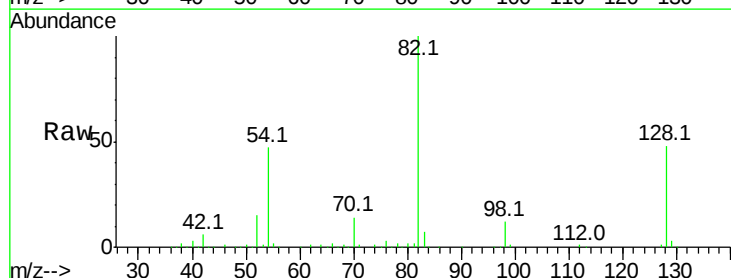


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

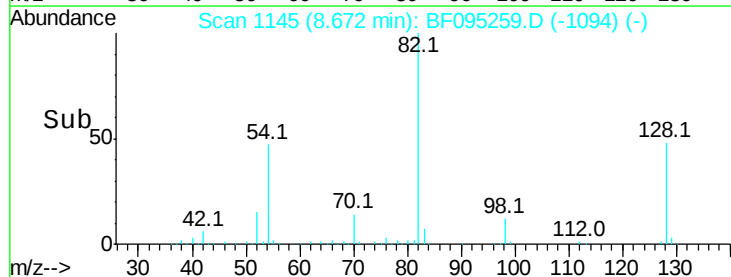
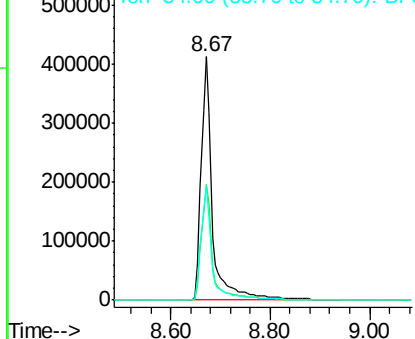


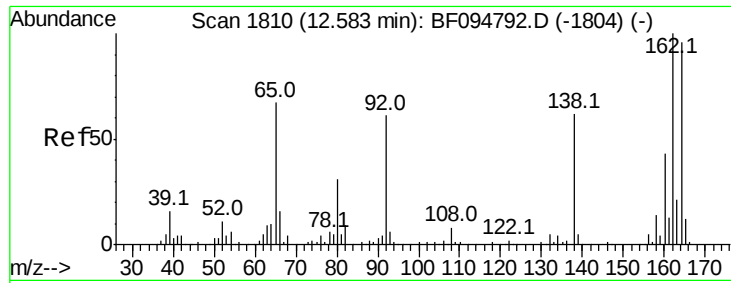
#23
Nitrobenzene-d5
Concen: 102.44 ng
RT: 8.67 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	648491		
128	47.6		34.0	51.0
54	47.2		42.2	63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





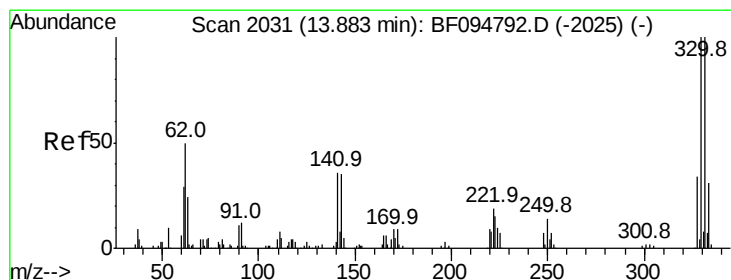
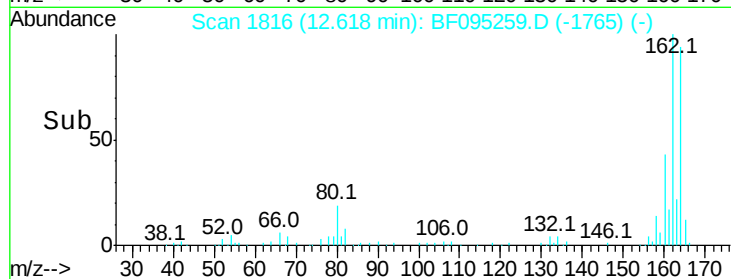
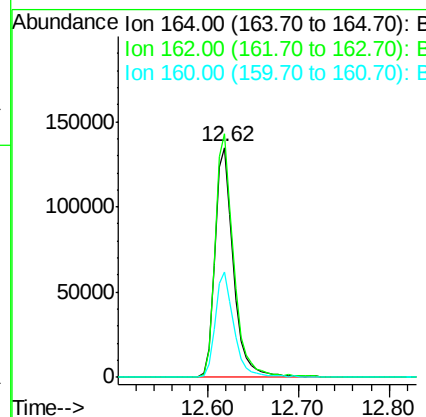
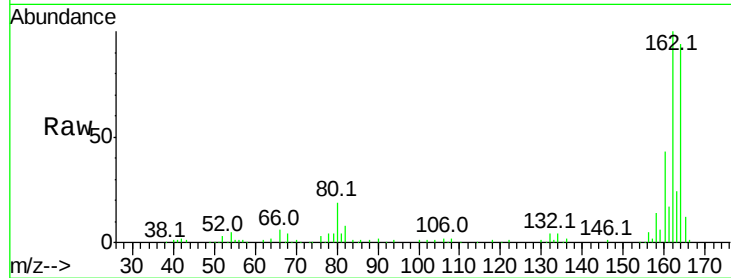
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Instrument :
BNA_F
ClientSampleId :
E2-S4-NSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100	192195		
162	106.0	82.6	123.8	
160	45.8	36.2	54.2	

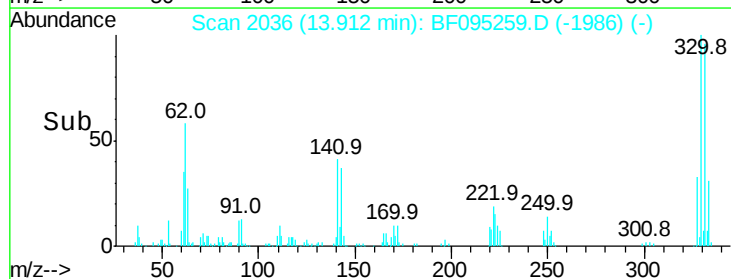
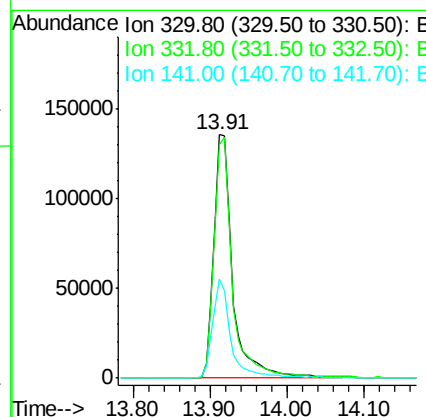
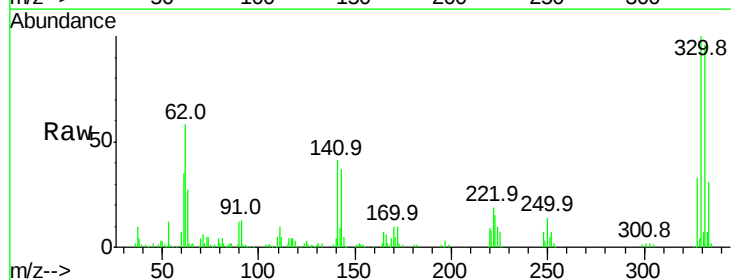
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#41
2,4,6-Tribromophenol
Concen: 145.10 ng
RT: 13.91 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	228396		
332	96.3	76.6	115.0	
141	39.3	31.4	47.2	





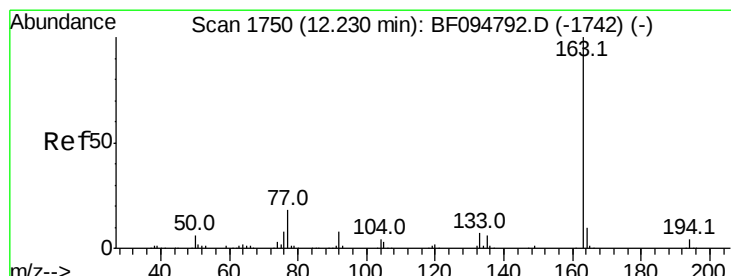
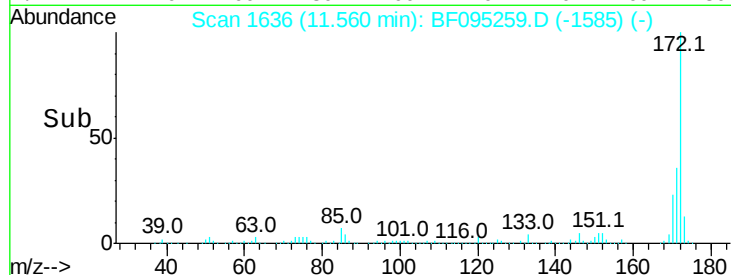
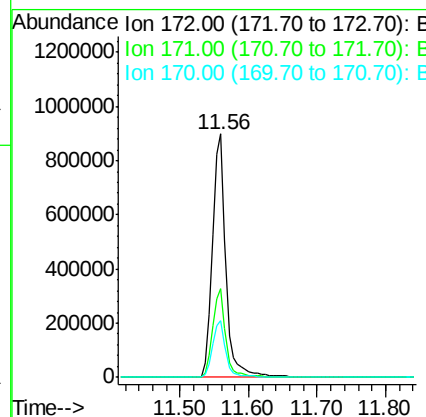
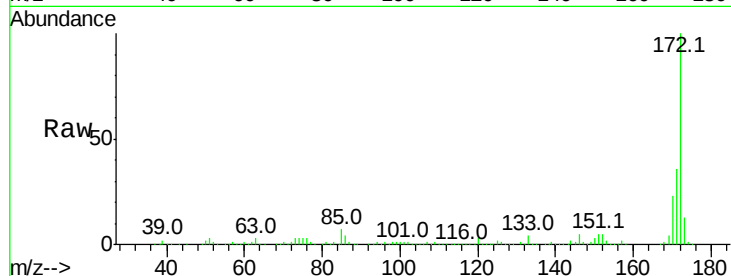
#44
2-Fluorobiphenyl
Concen: 93.08 ng
RT: 11.56 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Instrument :
BNA_F
ClientSampleId :
E2-S4-NSW

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	23.5	19.8	29.8

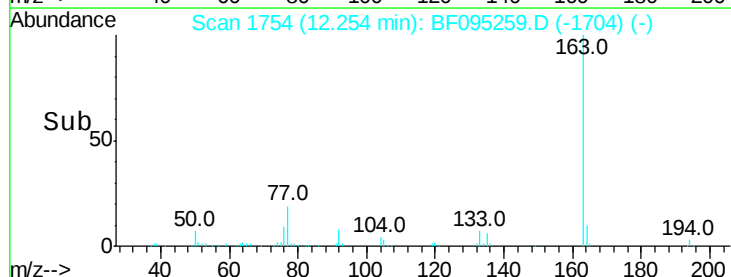
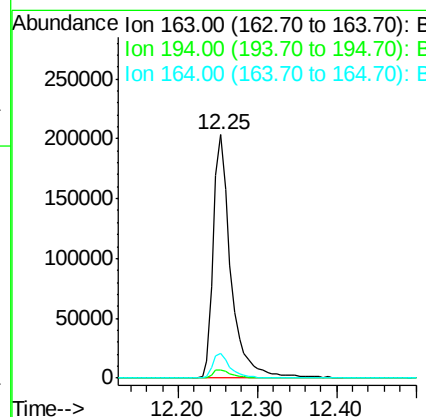
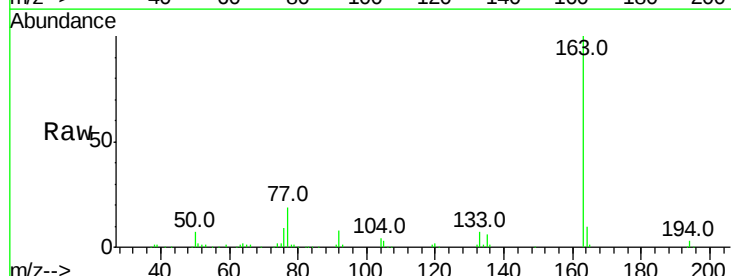
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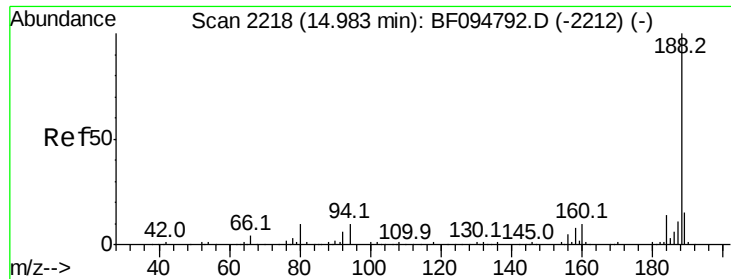
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#49
Dimethylphthalate
Concen: 20.07 ng
RT: 12.25 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.9	8.4	12.6





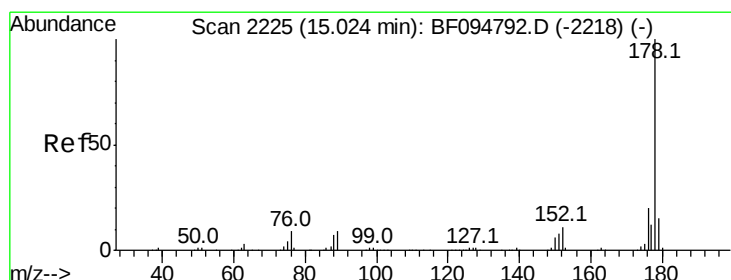
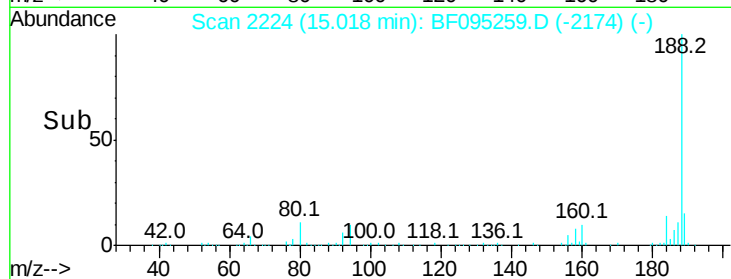
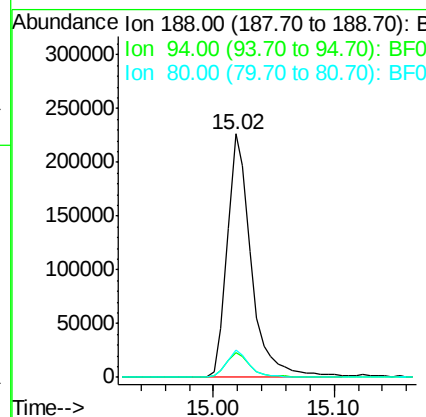
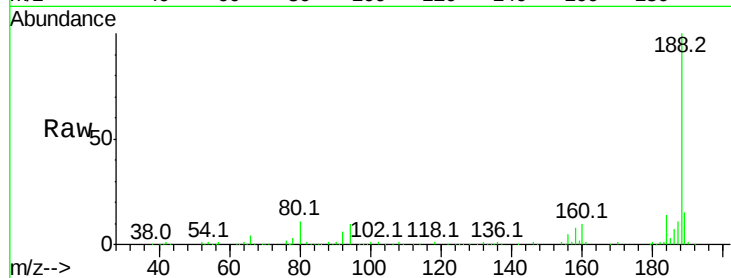
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-NSW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	311929		
94	10.3		9.4	14.2
80	11.2		10.2	15.2

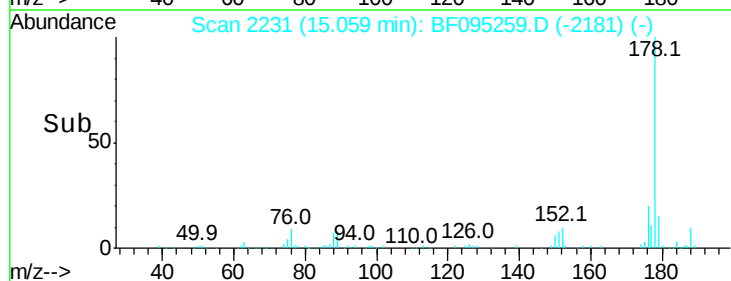
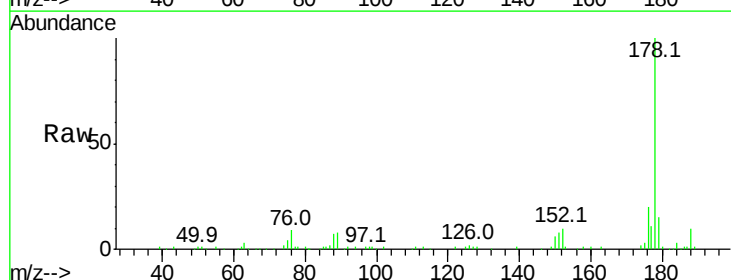
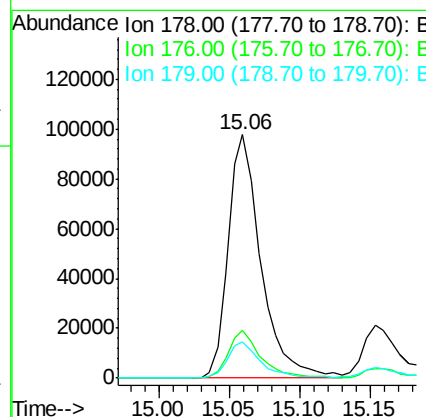
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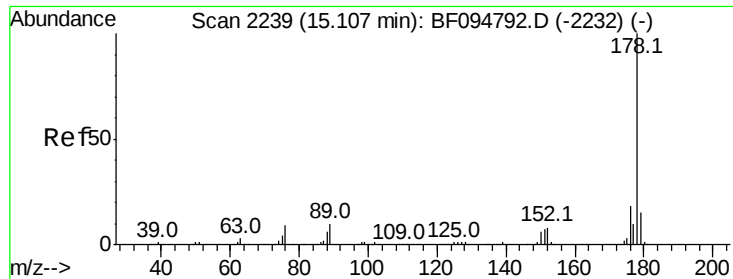
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#70
 Phenanthrene
 Concen: 8.83 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	158292		
176	19.6		16.2	24.4
179	15.0		12.6	19.0





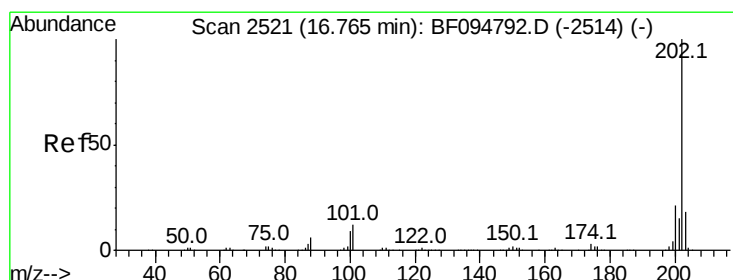
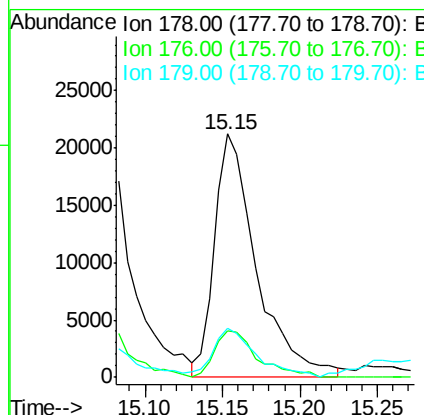
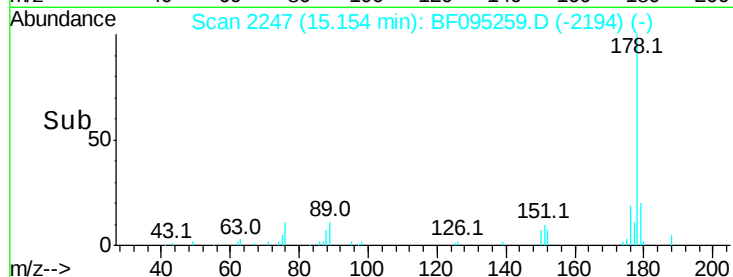
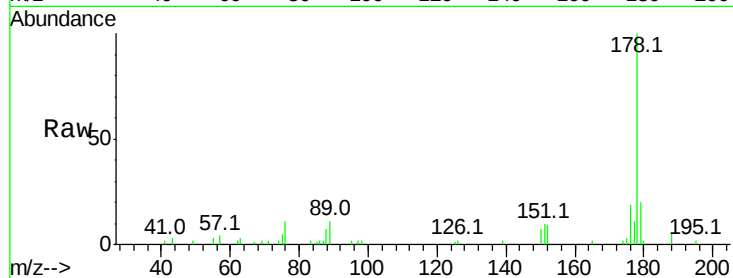
#71
 Anthracene
 Concen: 2.17 ng/mL
 RT: 15.15 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-NSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	20.0	12.7	19.1

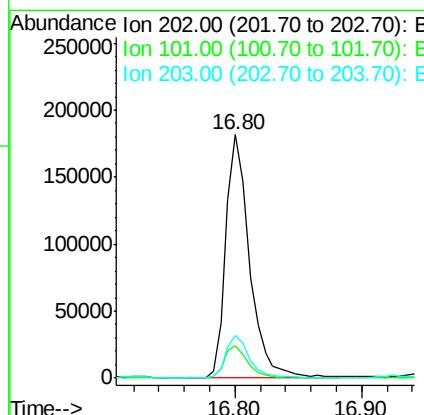
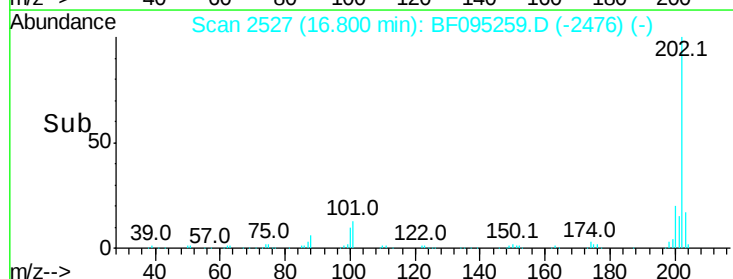
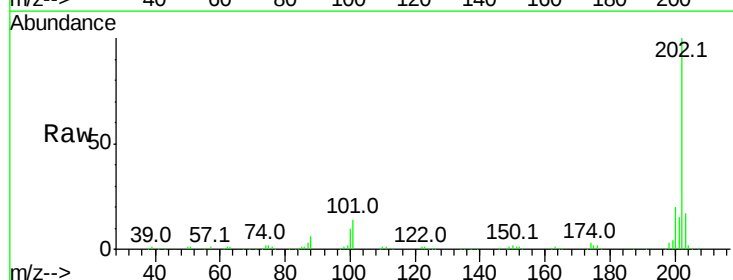
Manual Integrations
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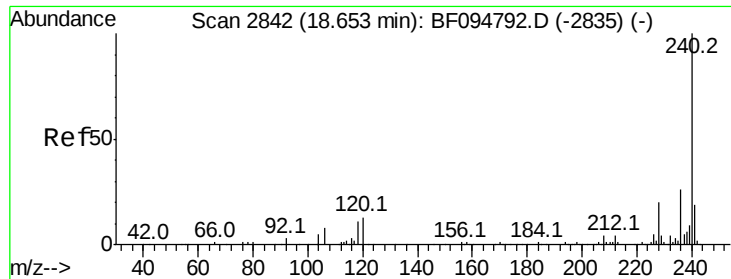
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#74
 Fluoranthene
 Concen: 12.95 ng/mL
 RT: 16.80 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

E2-S4-NSW

Tot Ion:240 Resp: 175415

Ion Ratio Lower Upper

240 100

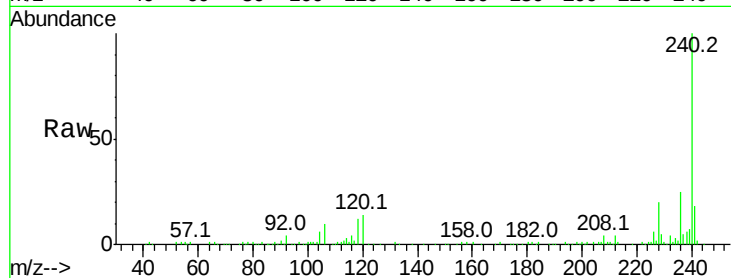
120 14.4 5.8 8.8#

236 24.6 20.5 30.7

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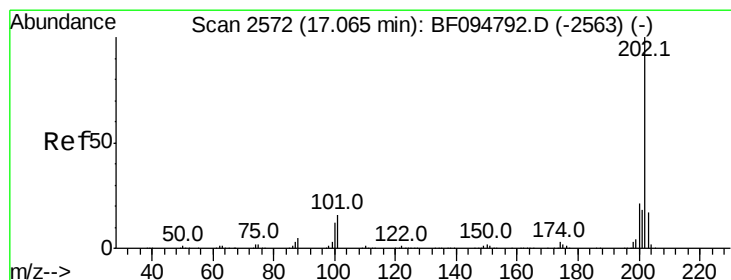
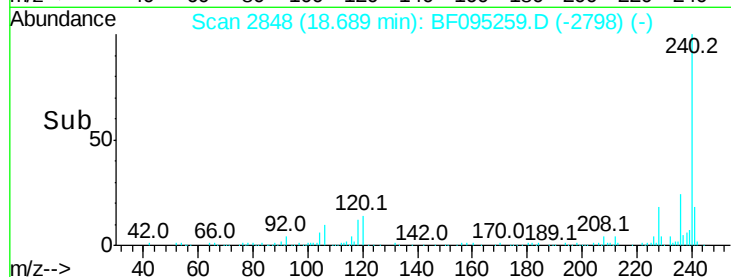
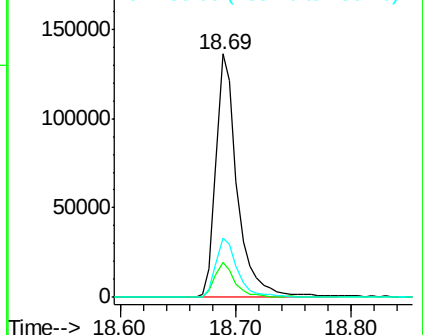
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.74 ng

RT: 17.11 min Scan# 2579

Delta R.T. -0.00 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

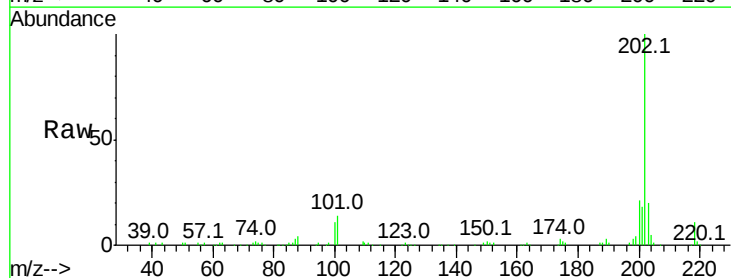
Tgt Ion:202 Resp: 206477

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

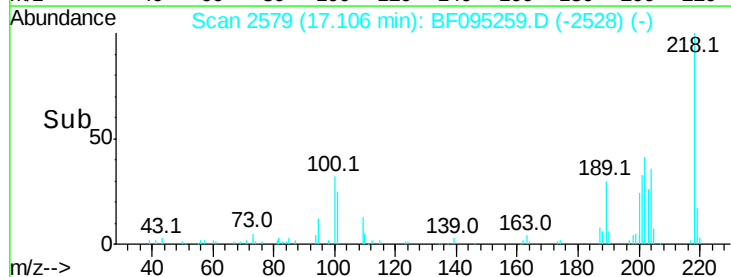
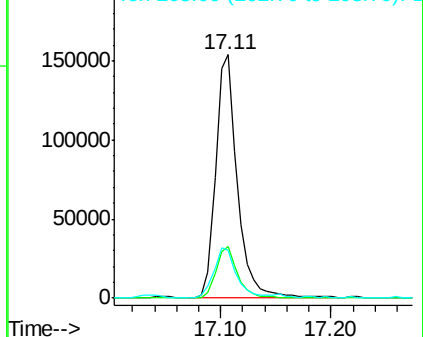
203 19.7 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 105.17 ng

RT: 17.34 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

E2-S4-NSW

Tot Ion:244 Resp: 837569

Ion Ratio Lower Upper

244 100

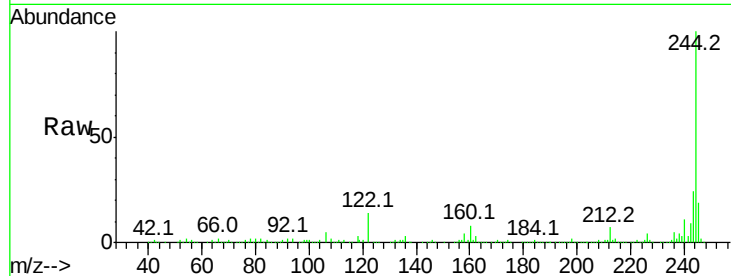
212 6.9 6.0 9.0

122 14.2 10.3 15.5

Manual Integrations
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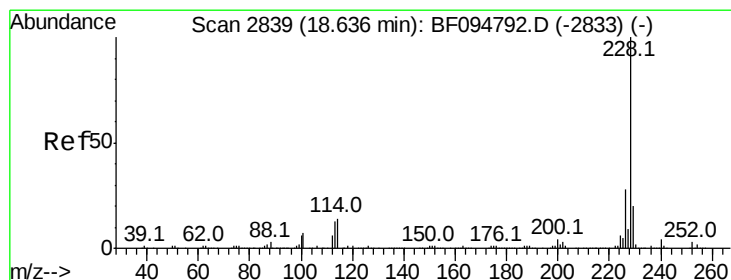
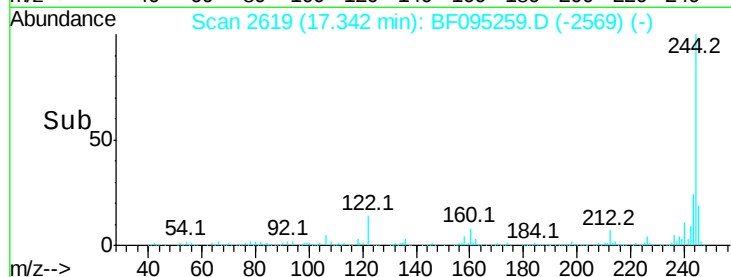
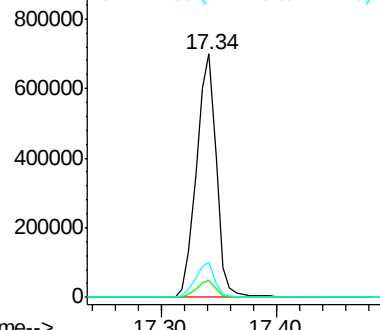
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 6.08 ng m

RT: 18.68 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

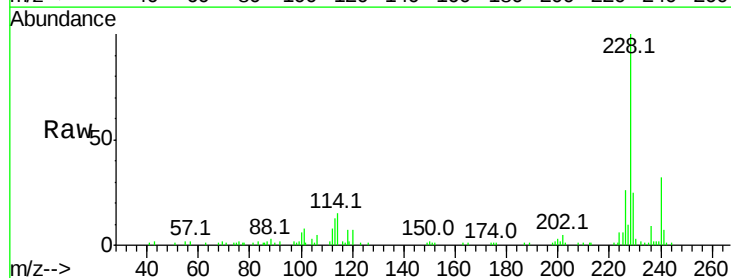
Tgt Ion:228 Resp: 62102

Ion Ratio Lower Upper

228 100

226 25.7 22.6 33.8

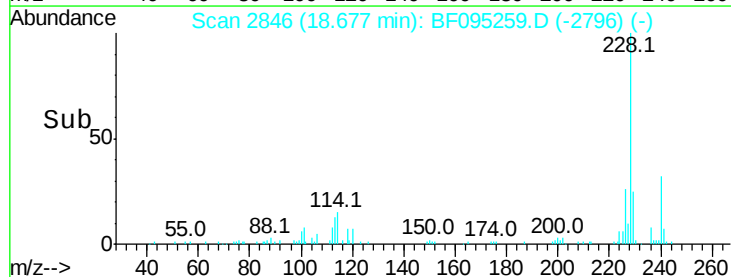
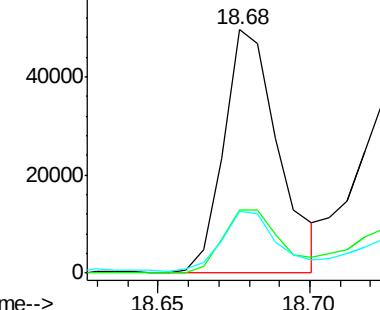
229 25.4 16.3 24.5#

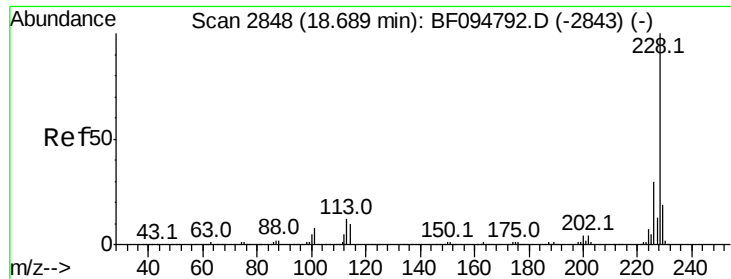


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.42 ng

RT: 18.73 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Instrument :

BNA_F

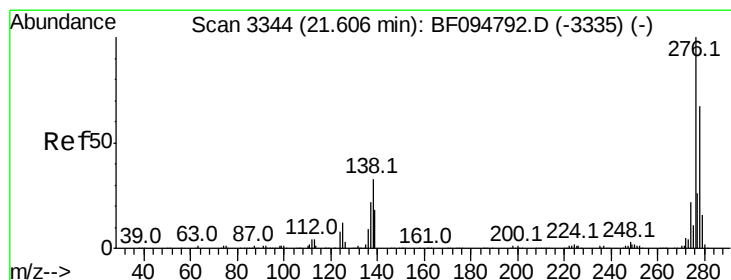
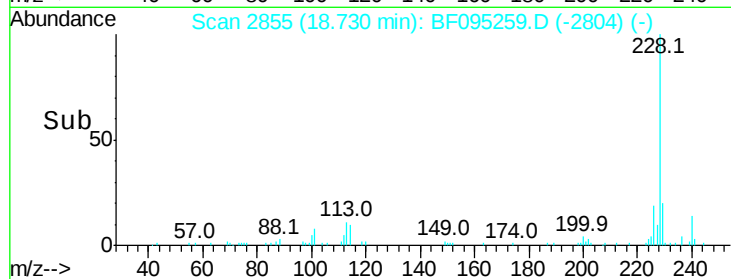
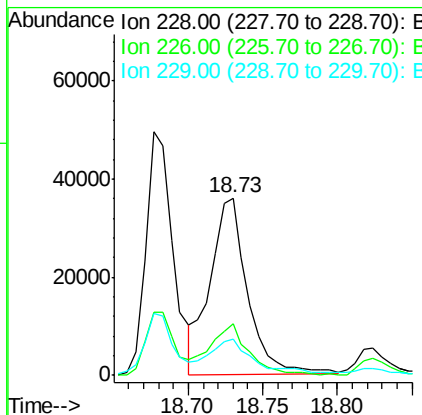
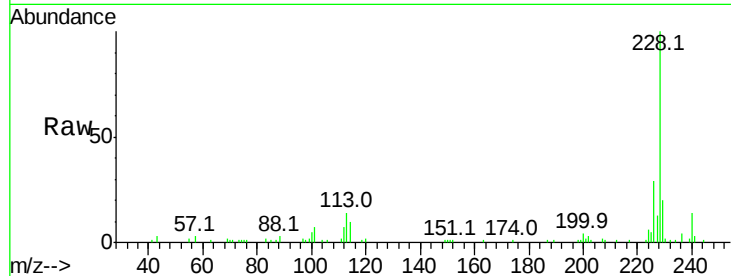
ClientSampleId :

E2-S4-NSW

Tot Ion:	228	Resp:	63380
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.9	37.3
229	20.4	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.67 ng

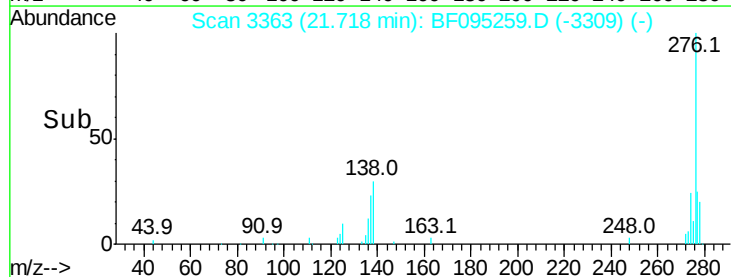
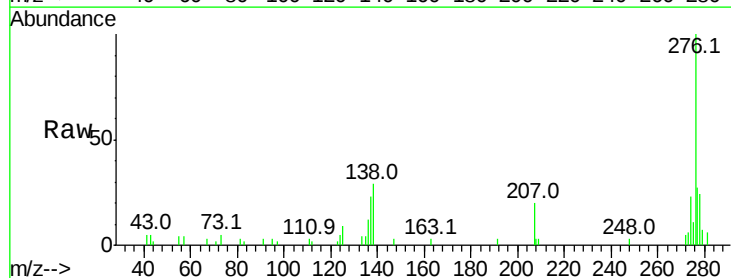
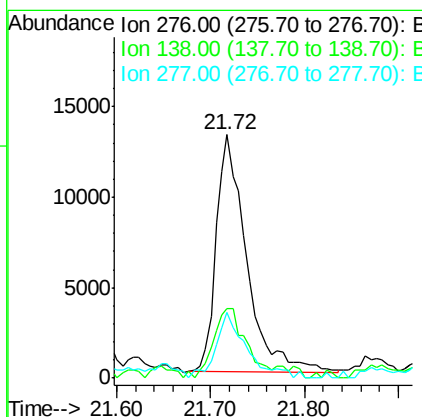
RT: 21.72 min Scan# 3363

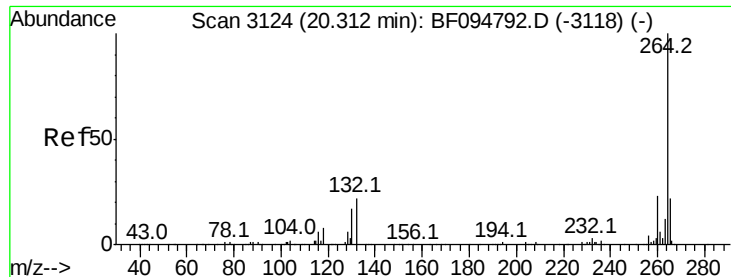
Delta R.T. 0.02 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Tgt Ion:	276	Resp:	29406
Ion Ratio	Lower	Upper	
276	100		
138	31.7	27.8	41.6
277	26.1	20.2	30.4





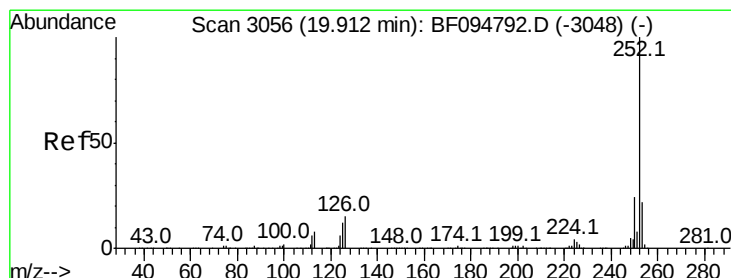
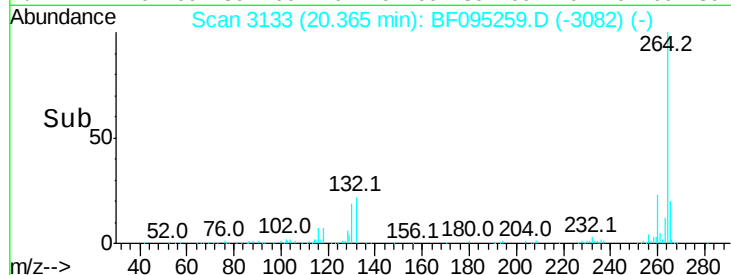
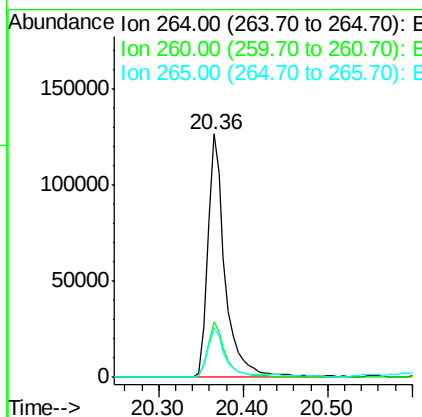
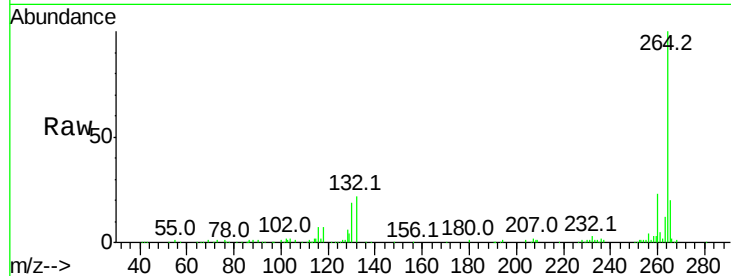
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Instrument :
BNA_F
ClientSampleId :
E2-S4-NSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	20.3	17.2	25.8

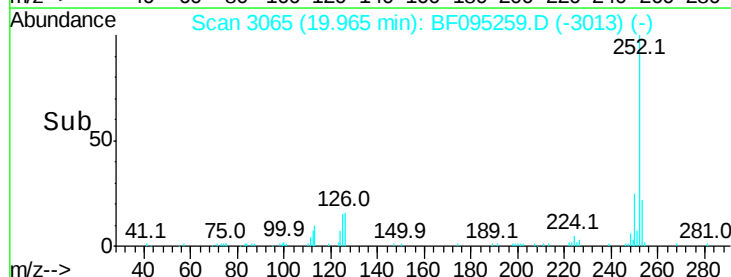
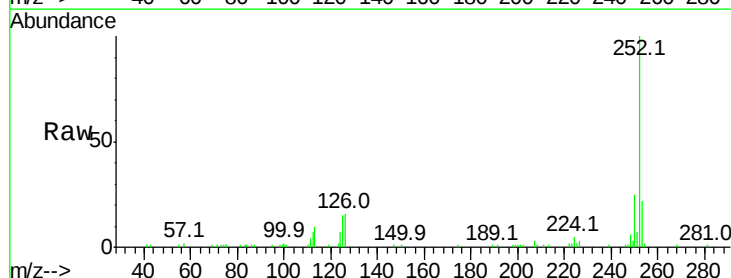
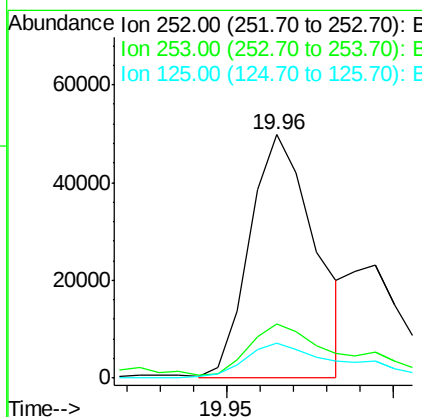
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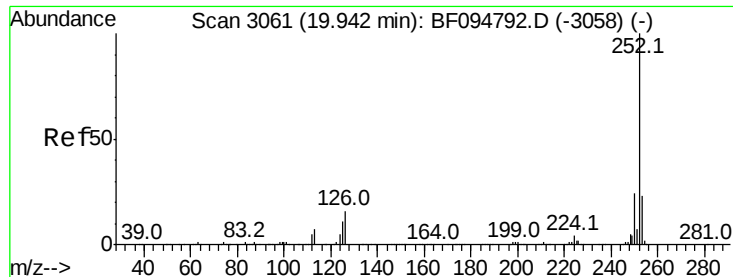
mohammad
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#87
Benzo(b)fluoranthene
Concen: 6.03 ng m
RT: 19.96 min Scan# 3065
Delta R.T. 0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	14.5	9.8	14.8





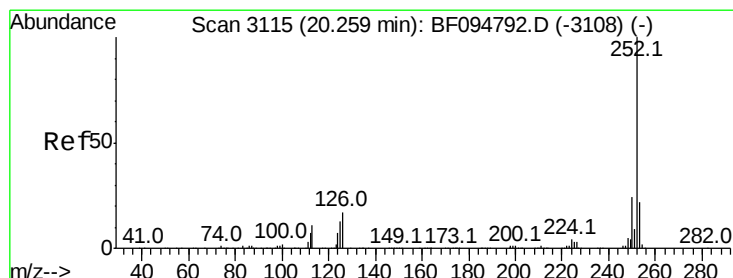
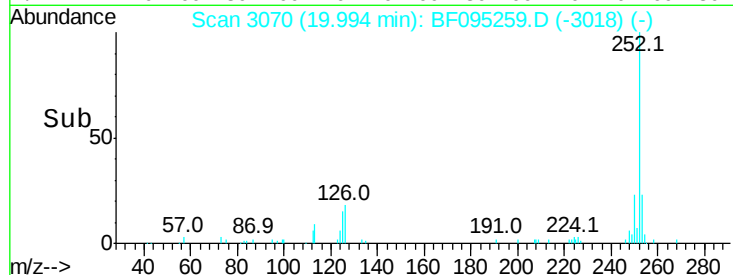
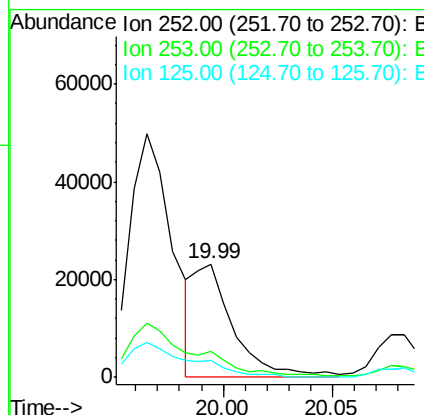
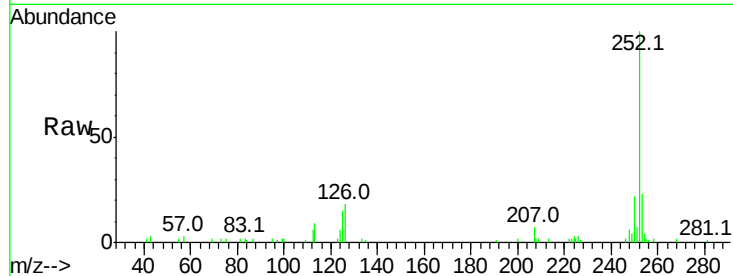
#88
Benzo(k)fluoranthene
Concen: 2.72 ng
RT: 19.99 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Instrument :
BNA_F
ClientSampleId :
E2-S4-NSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	14.7	13.1	19.7

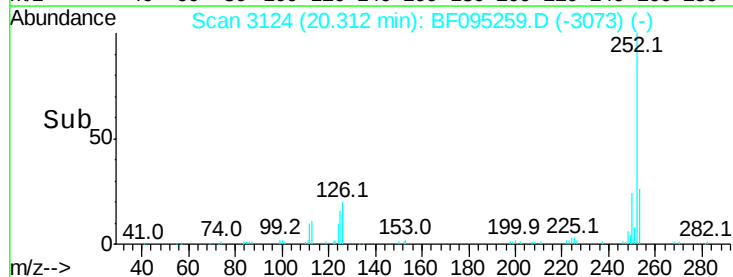
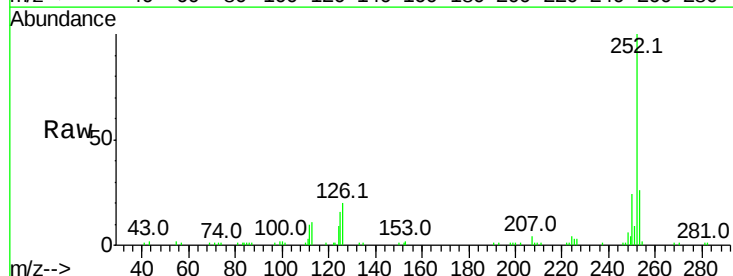
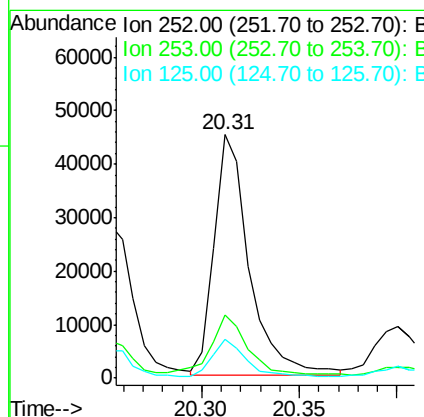
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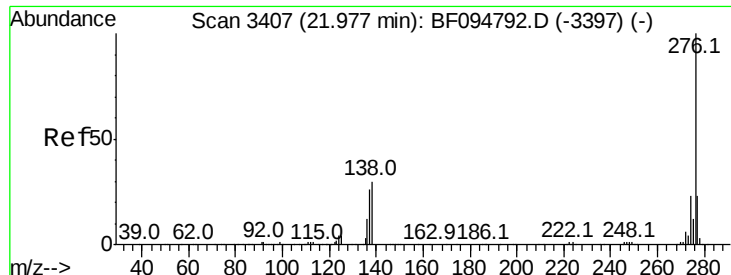
mohammad
5/19/2017 3:40:54 PM



#89
Benzo(a)pyrene
Concen: 5.45 ng
RT: 20.31 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.5	26.3
125	15.9	11.0	16.4





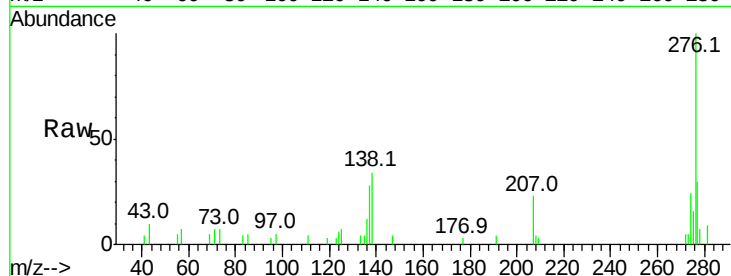
#91
 Benzo(a,h,i)perylene
 Concen: 3.48 ng
 RT: 22.11 min Scan# 3430
 Delta R.T. 0.03 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-NSW

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.3	18.6	28.0#
138	33.9	25.4	38.0

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

