

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
 Data File : BF095304.D
 Acq On : 20 May 2017 14:42
 Operator : SJ/MA
 Sample : I3186-01 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S3-WSW

Manual Integrations
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Quant Time: May 22 04:39:40 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	79073	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	330946	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	142402	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	198197	20.00	ng	0.00
75) Chrysene-d12	18.69	240	184437	20.00	ng	0.00
86) Perylene-d12	20.37	264	143154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.83	112	21928	4.62	ng	0.09
7) Phenol-d6	7.41	99	44365	7.80	ng	0.09
23) Nitrobenzene-d5	8.71	82	24341	4.64	ng	0.04
41) 2,4,6-Tribromophenol	13.94	330	7819	6.70	ng	0.02
44) 2-Fluorobiphenyl	11.57	172	74925	7.57	ng	0.00
78) Terphenyl-d14	17.34	244	43761	5.23	ng	-0.01
Target Compounds						
70) Phenanthrene	15.05	178	111865	9.82	ng	98
71) Anthracene	15.15	178	24169	2.08	ng	97
74) Fluoranthene	16.79	202	182644	15.64	ng	99
77) Pyrene	17.10	202	156997	11.38	ng	97
80) Benzo(a)anthracene	18.68	228	77079	7.18	ng	96
82) Chrysene	18.72	228	79976	7.71	ng	97
85) Indeno(1,2,3-cd)pyrene	21.71	276	25580	3.03	ng	98
87) Benzo(b)fluoranthene	19.96	252	85684m	9.69	ng	
88) Benzo(k)fluoranthene	19.98	252	31591m	3.70	ng	
89) Benzo(a)pyrene	20.31	252	55136	6.75	ng	99
91) Benzo(g,h,i)perylene	22.11	276	22451m	3.39	ng	

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

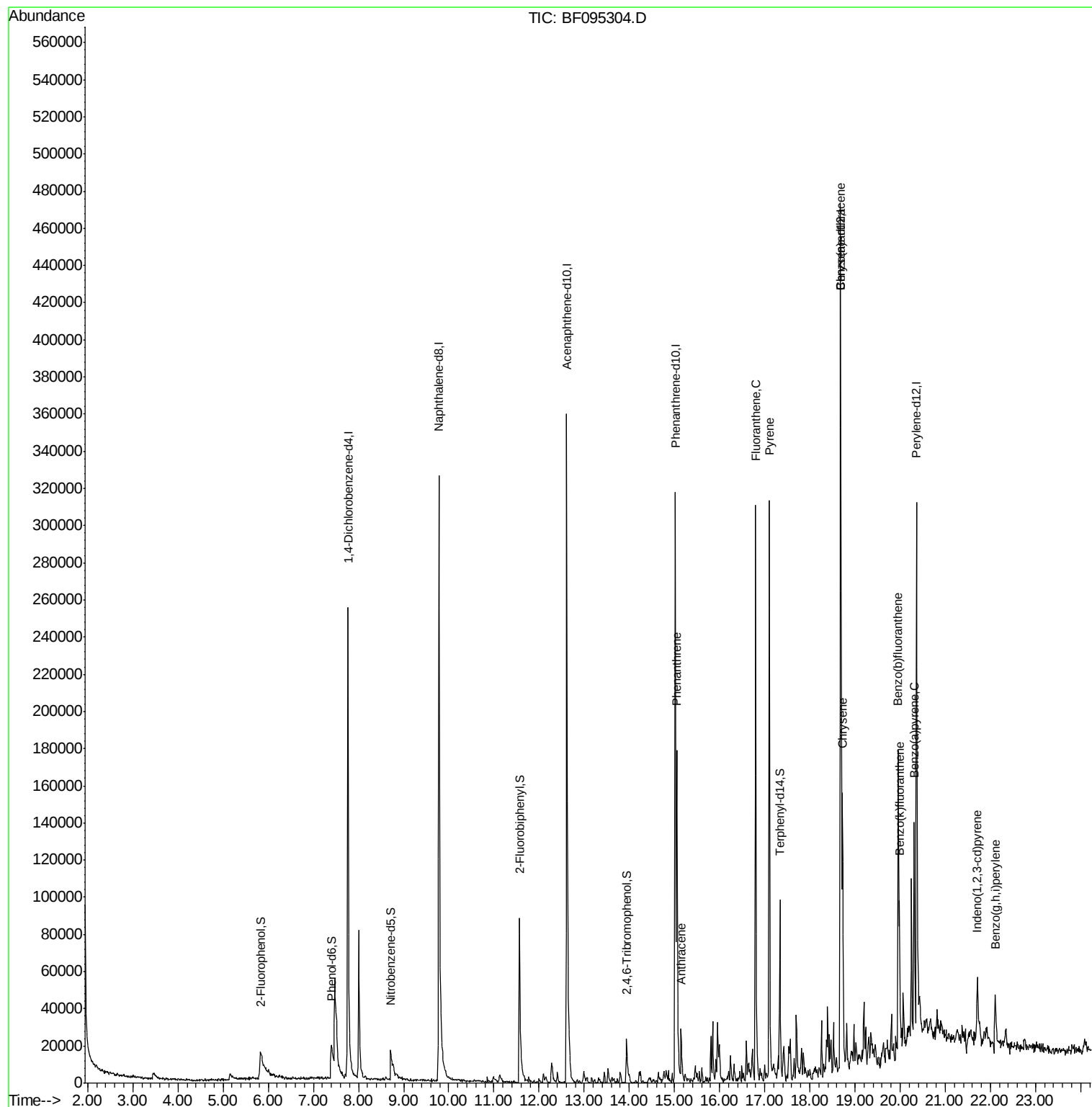
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095304.D
Acq On : 20 May 2017 14:42
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Sample : I3186-01 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

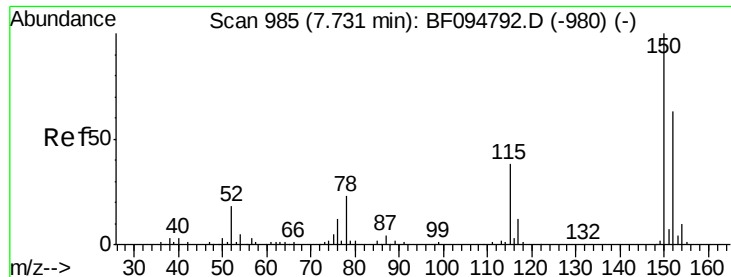
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.77 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

Instrument :

BNA_F

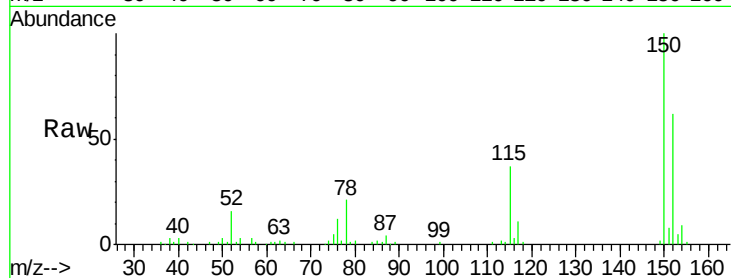
ClientSampleId :

E2-S3-WSW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.4	126.2	189.2
115	60.5	52.2	78.2

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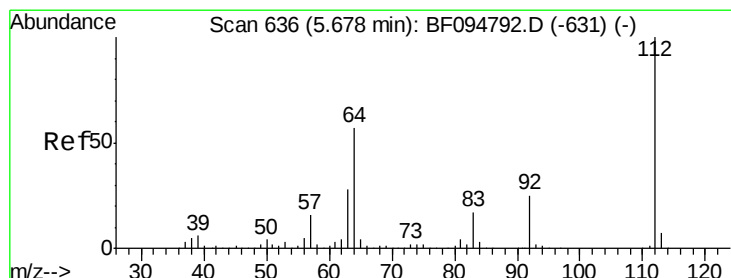
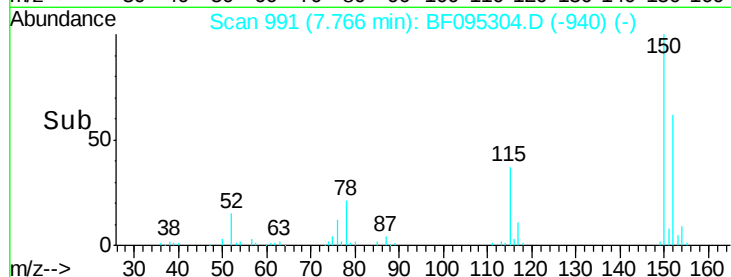
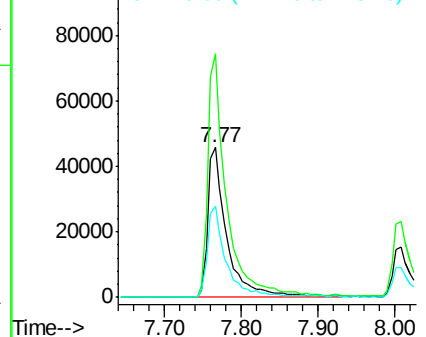


Abundance

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: 4.62 ng

RT: 5.83 min Scan# 662

Delta R.T. 0.09 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

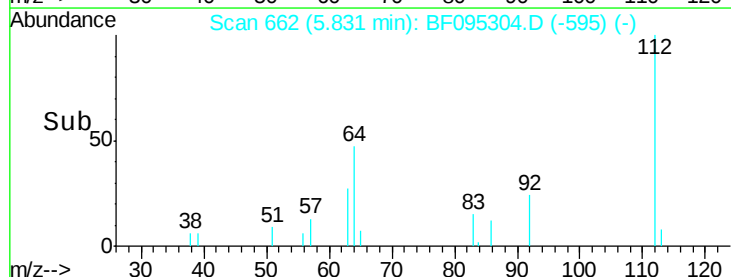
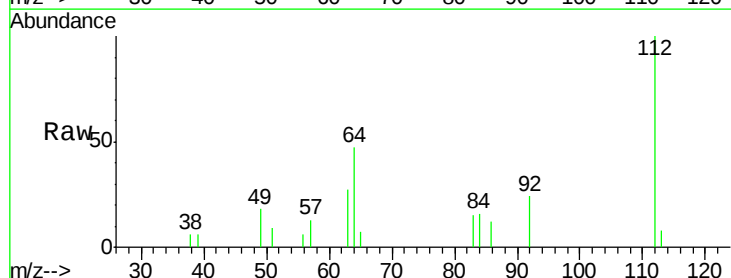
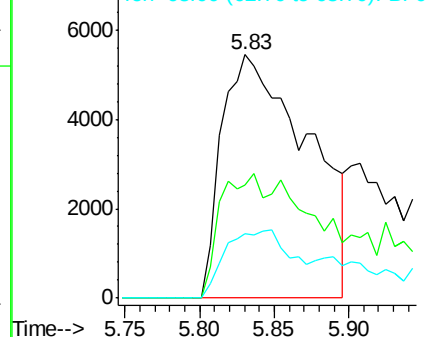
Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.6	46.0	69.0
63	26.6	23.4	35.0

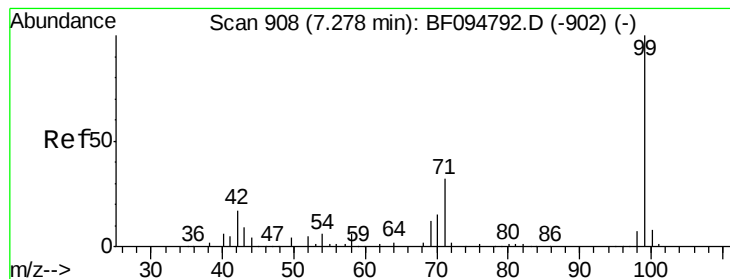
Abundance

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: 7.80 ng

RT: 7.41 min Scan# 930

Delta R.T. 0.09 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

Instrument :

BNA_F

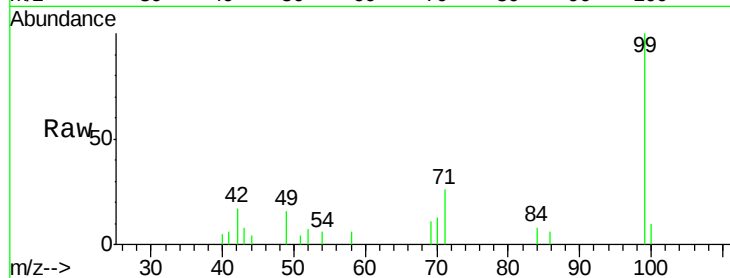
ClientSampleId :

E2-S3-WSW

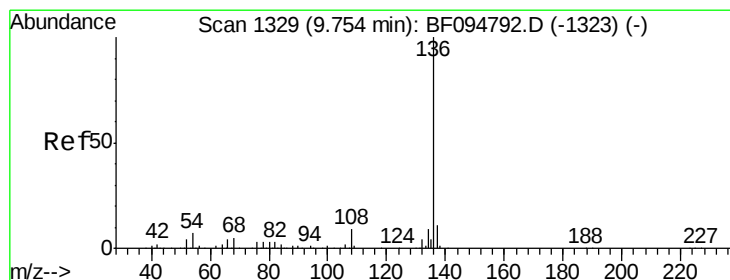
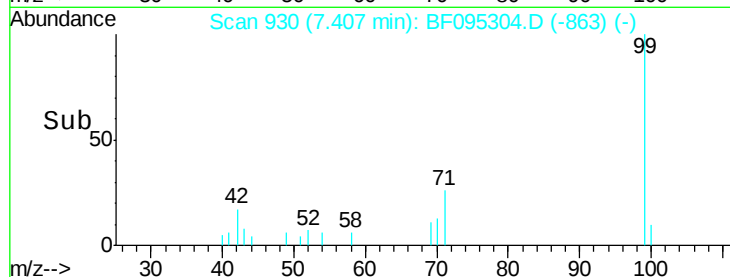
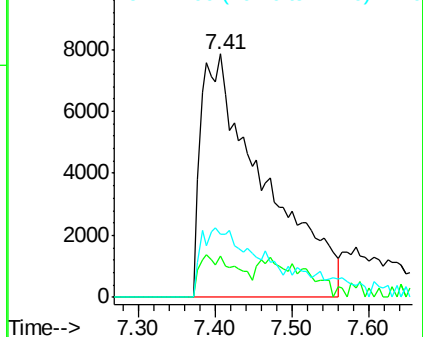
Tgt Ion:	99	Resp:	44365
Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.5	20.3
71	26.0	24.5	36.7

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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: 9.78 min Scan# 1334

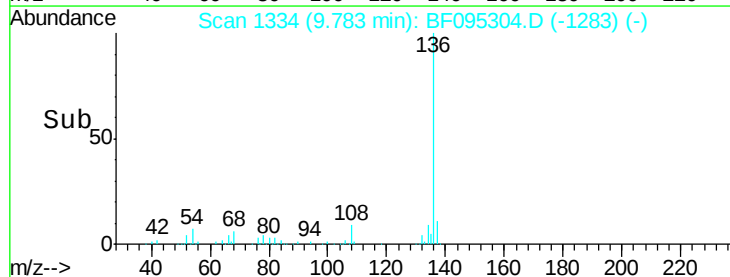
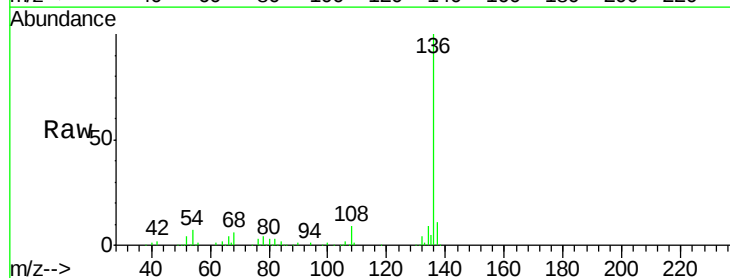
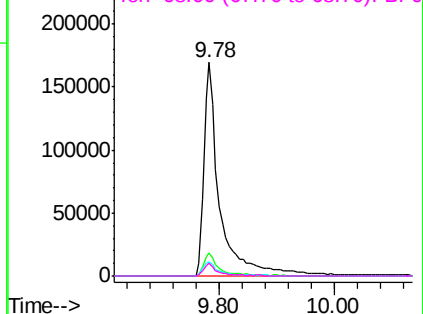
Delta R.T. 0.00 min

Lab File: BF095304.D

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Tgt Ion:	136	Resp:	330946
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	6.8	4.9	7.3
68	5.9	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





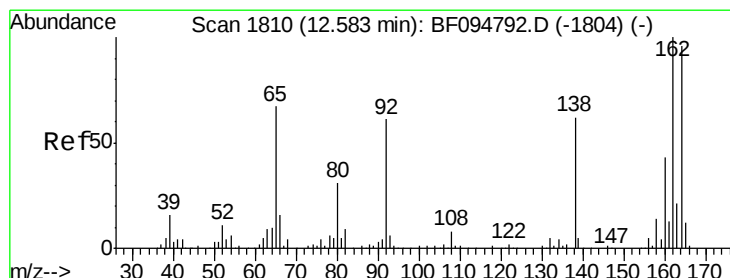
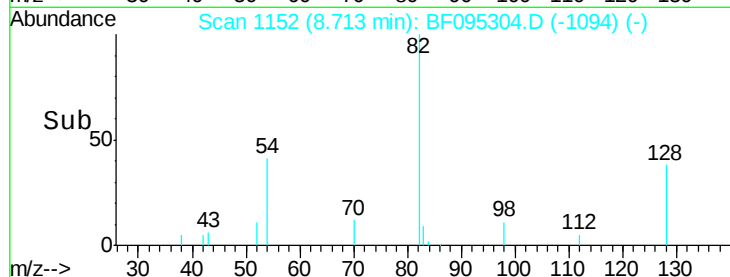
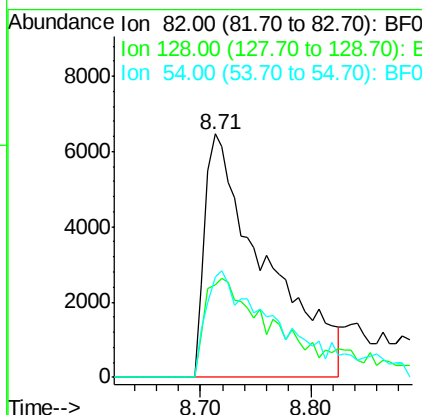
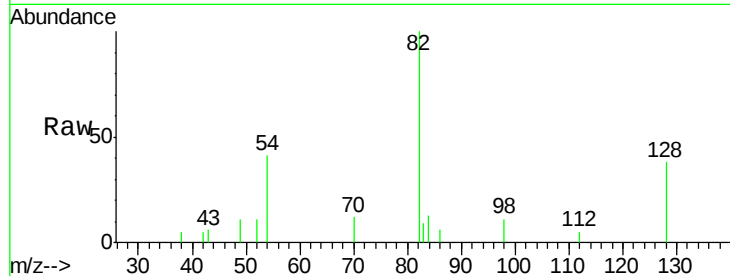
#23
 Nitrobenzene-d5
 Concen: 4.64 ng
 RT: 8.71 min Scan# 1152
 Delta R.T. 0.04 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-S3-WSW

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.9	34.0	51.0
54	41.3	42.2	63.2#

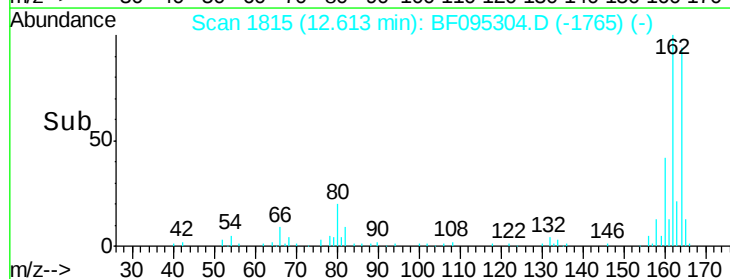
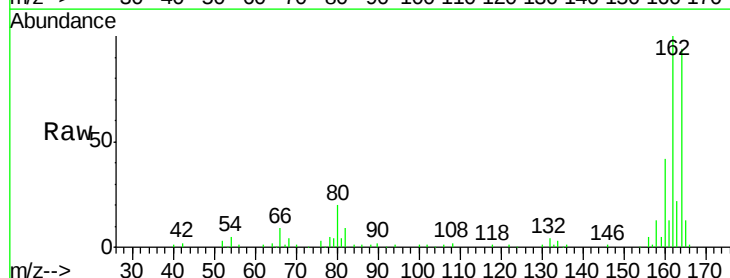
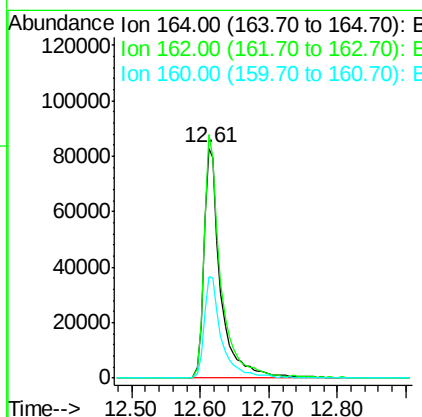
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	82.6	123.8
160	44.0	36.2	54.2





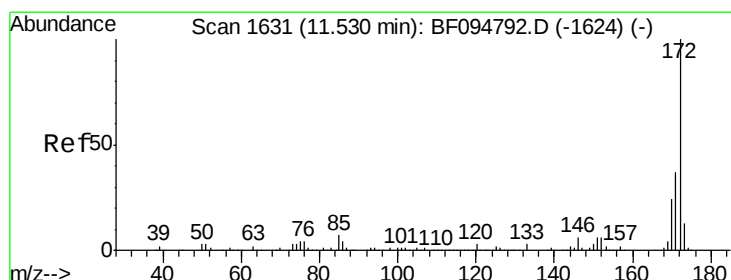
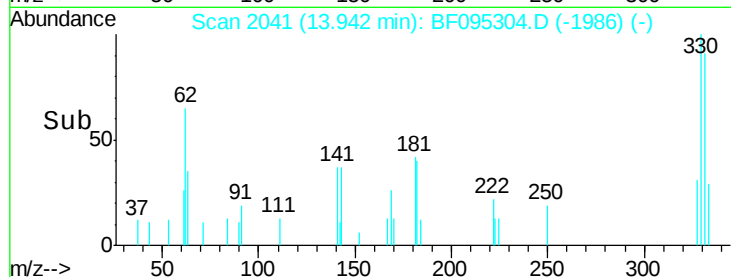
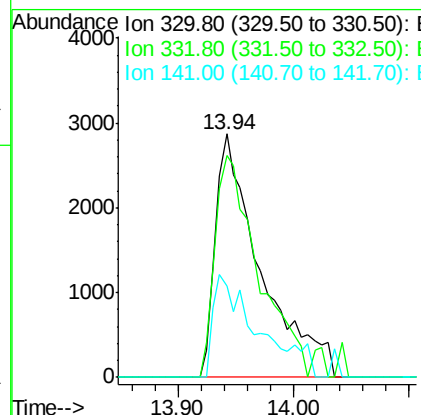
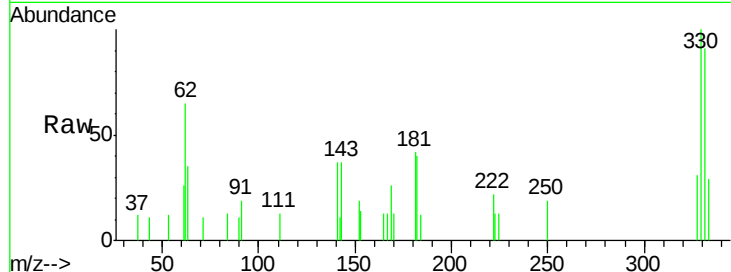
#41
 2,4,6-Tribromophenol
 Concen: 6.70 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-S3-WSW

Tgt Ion	Ratio	Lower	Upper
330	100		
332	87.6	76.6	115.0
141	36.6	31.4	47.2

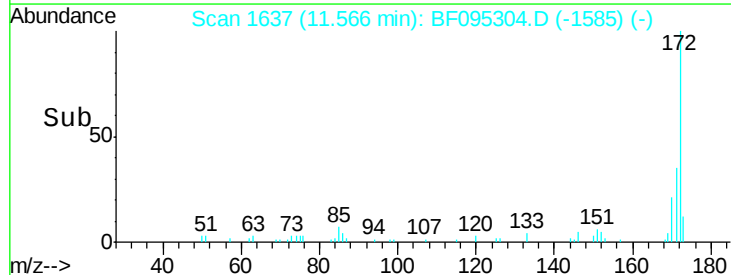
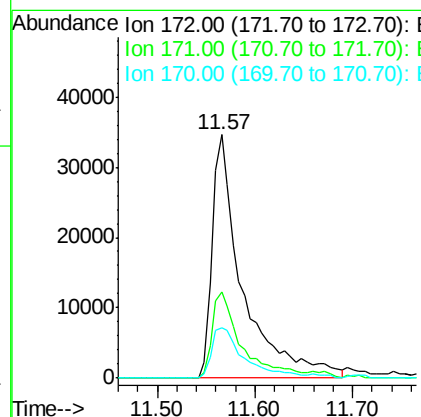
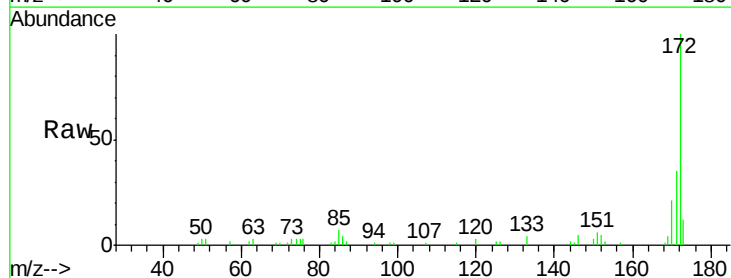
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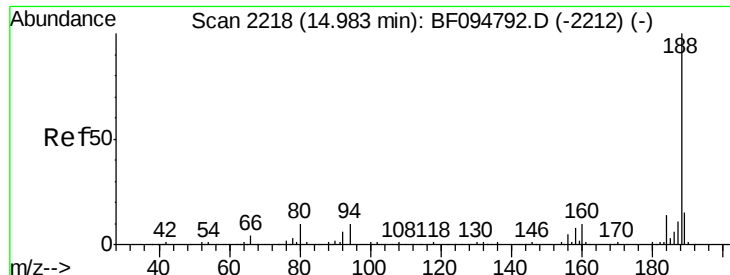
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#44
 2-Fluorobiphenyl
 Concen: 7.57 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: BF095304.D
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	20.6	19.8	29.8





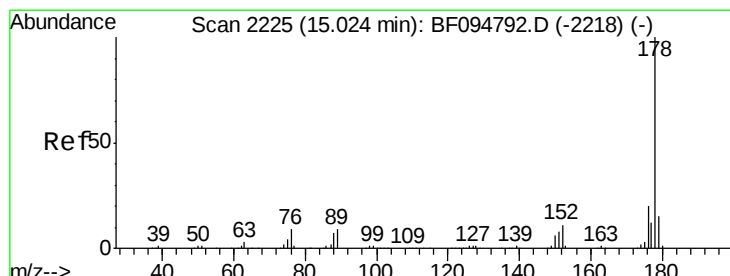
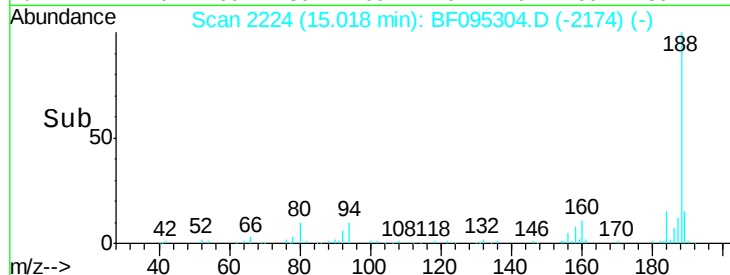
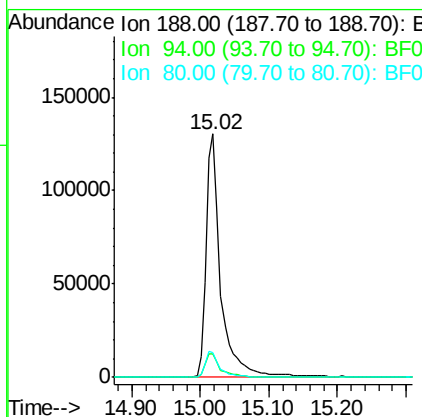
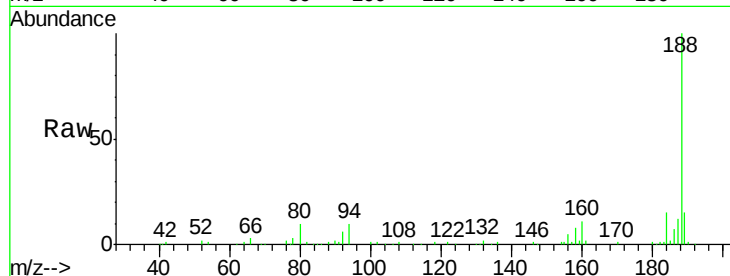
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Instrument :
BNA_F
ClientSampleId :
E2-S3-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	198197		
94	9.7	9.4	14.2	
80	10.3	10.2	15.2	

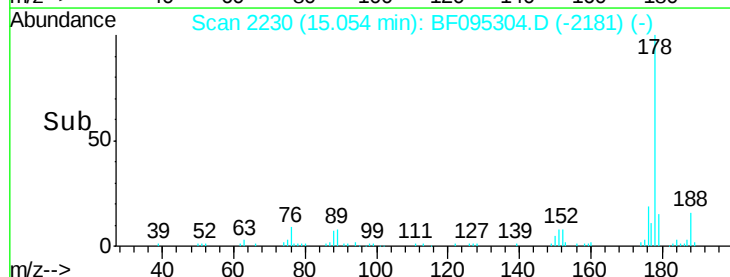
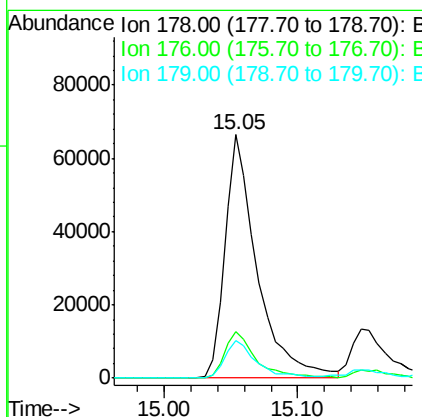
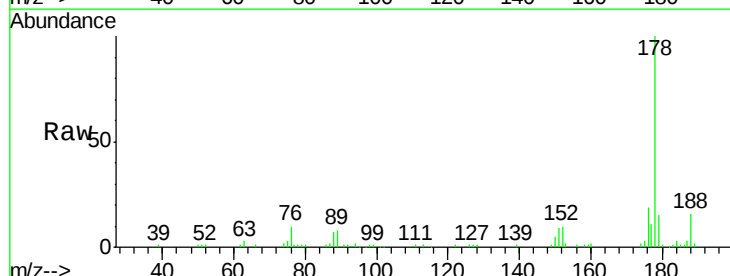
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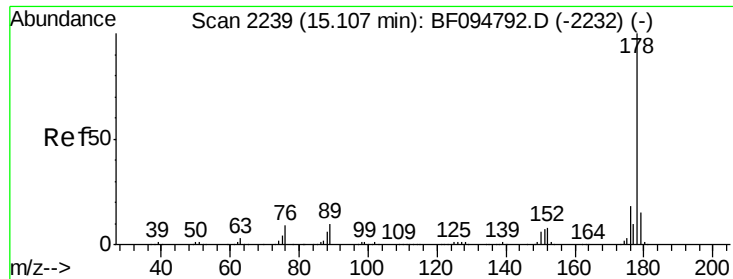
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#70
Phenanthrene
Concen: 9.82 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	111865		
176	18.9	16.2	24.4	
179	15.5	12.6	19.0	





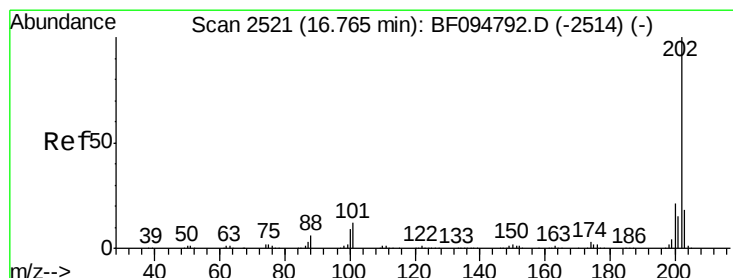
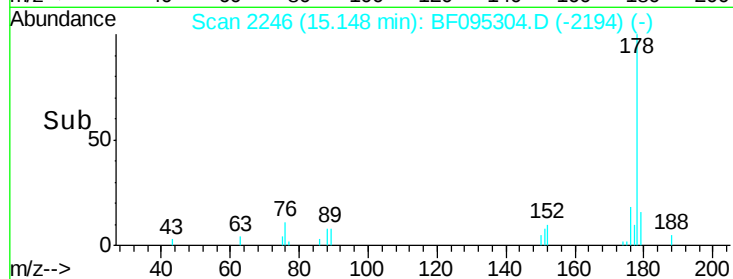
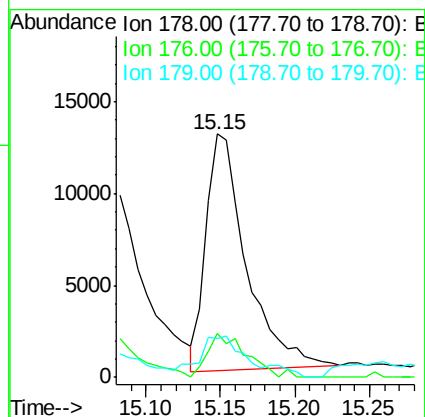
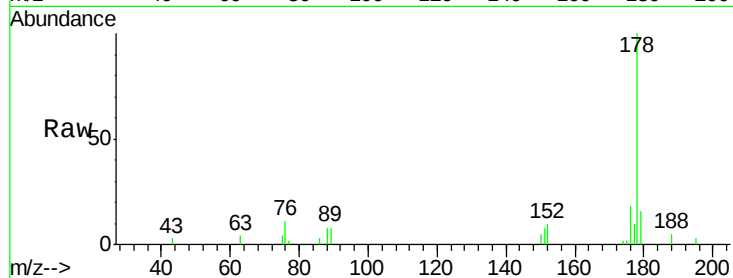
#71
 Anthracene
 Concen: 2.08 ng
 RT: 15.15 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-S3-WSW

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

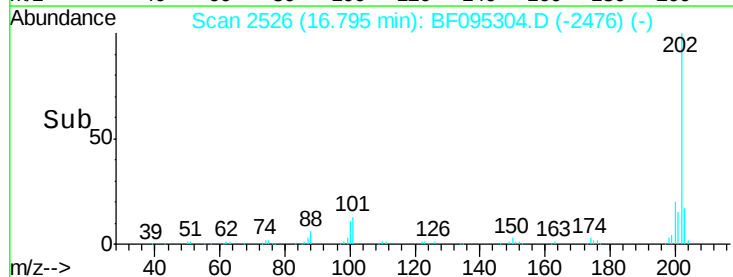
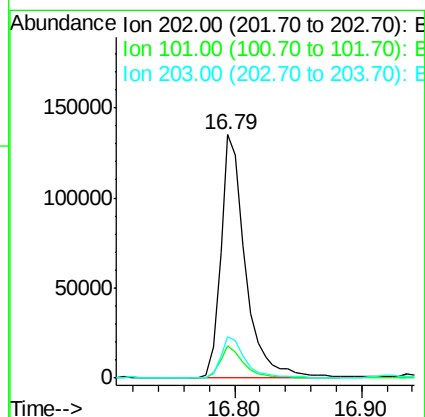
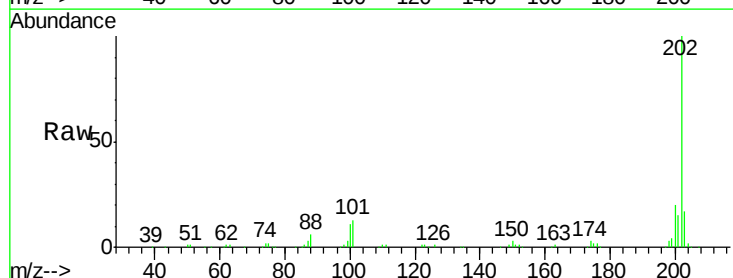
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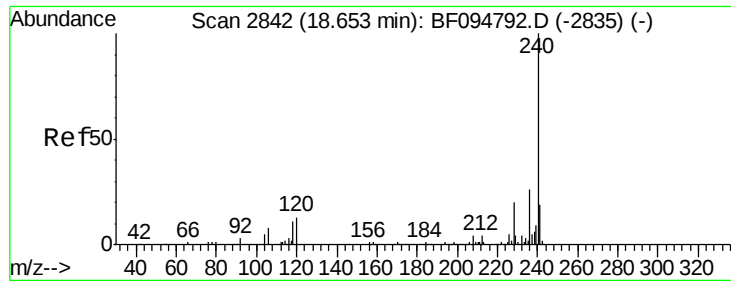
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#74
 Fluoranthene
 Concen: 15.64 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.1	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: BF095304.D

Acq: 20 May 2017 14:42

Instrument :

BNA_F

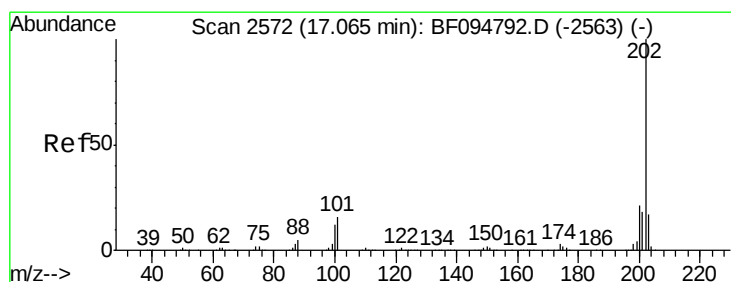
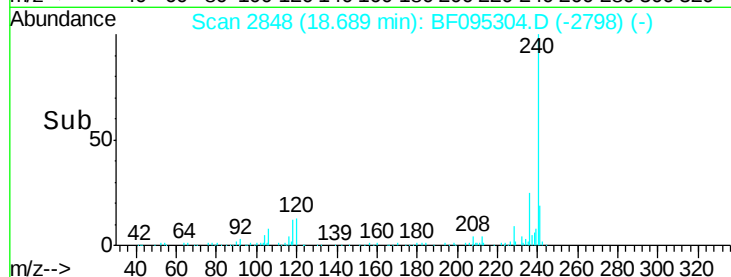
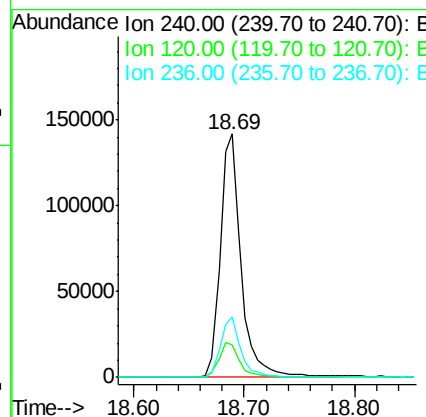
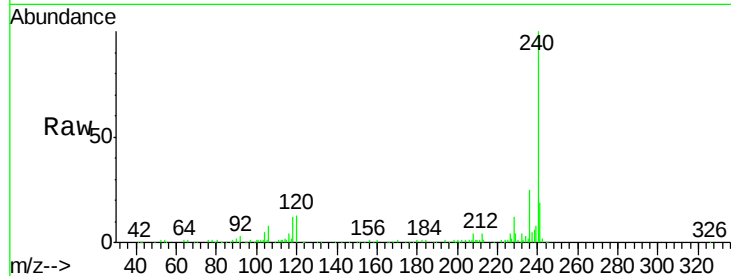
ClientSampleId :

E2-S3-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	184437		
120	13.2	5.8	8.8#	
236	24.7	20.5	30.7	

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#77

Pyrene

Concen: 11.38 ng

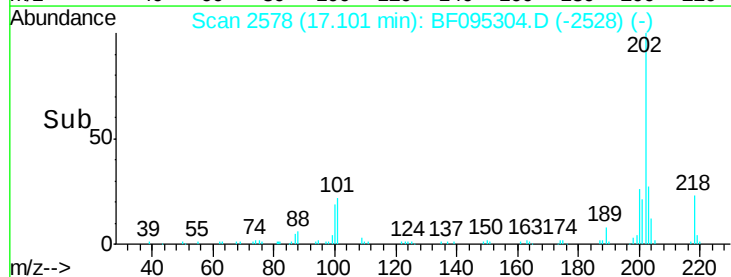
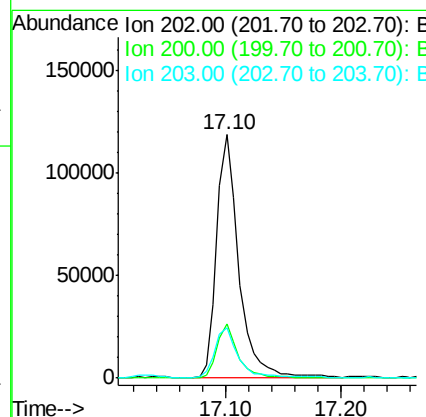
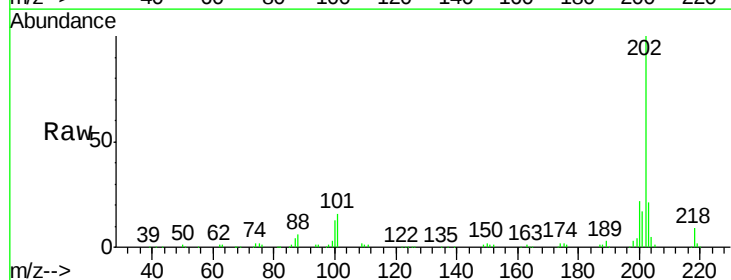
RT: 17.10 min Scan# 2578

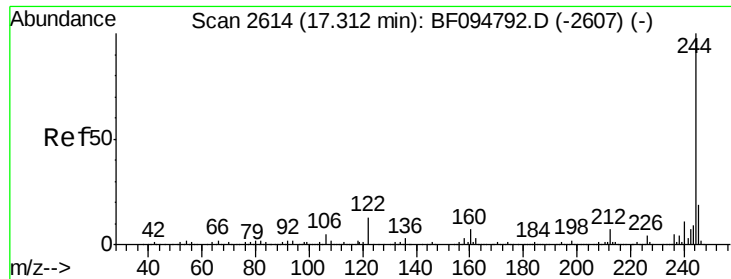
Delta R.T. -0.01 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	156997		
200	22.1	17.6	26.4	
203	20.8	14.4	21.6	





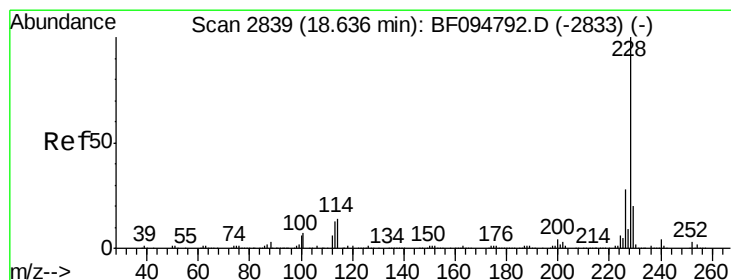
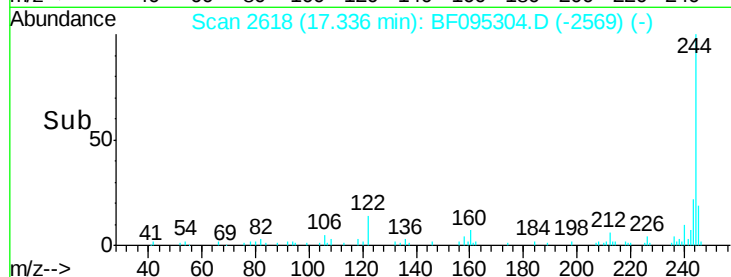
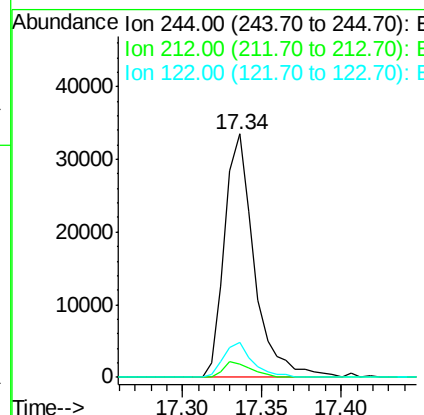
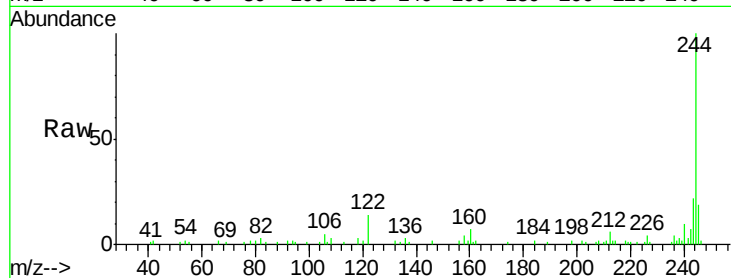
#78
 Terphenyl-d14
 Concen: 5.23 ng
 RT: 17.34 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-S3-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	43761		
212	5.5	6.0	9.0#	
122	14.3	10.3	15.5	

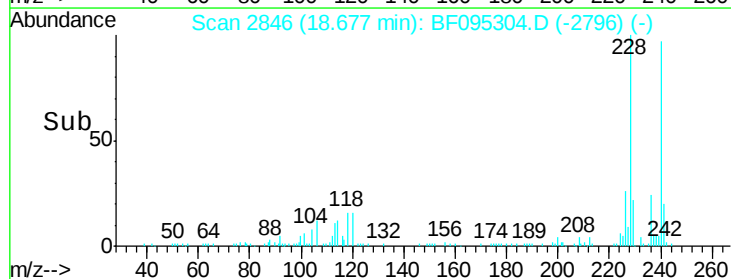
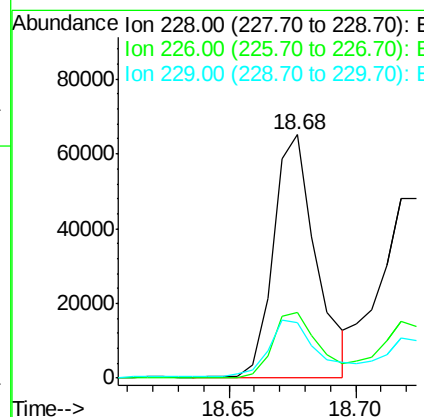
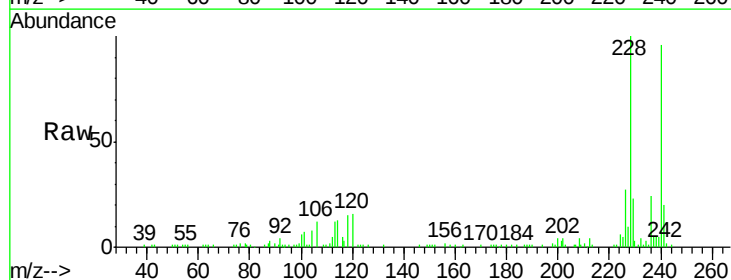
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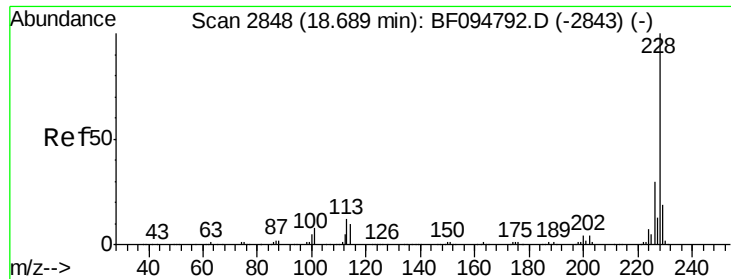
mohammad
 5/22/2017 1:30:42 PM



#80
 Benzo(a)anthracene
 Concen: 7.18 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	77079		
226	26.8	22.6	33.8	
229	22.8	16.3	24.5	





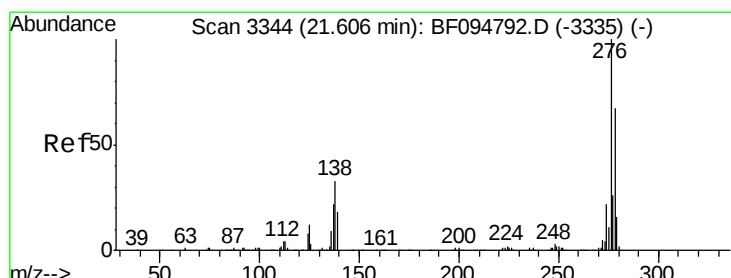
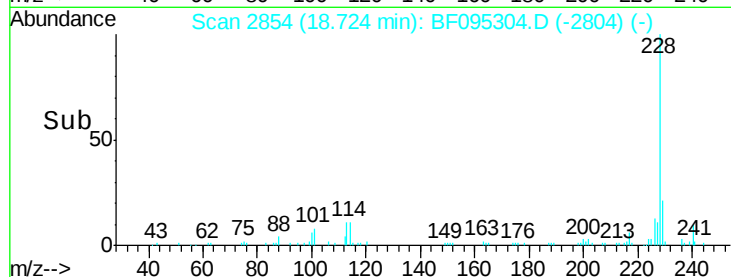
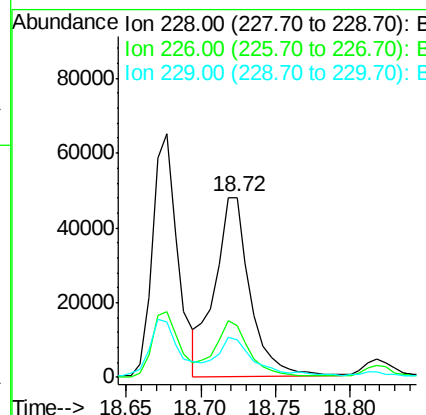
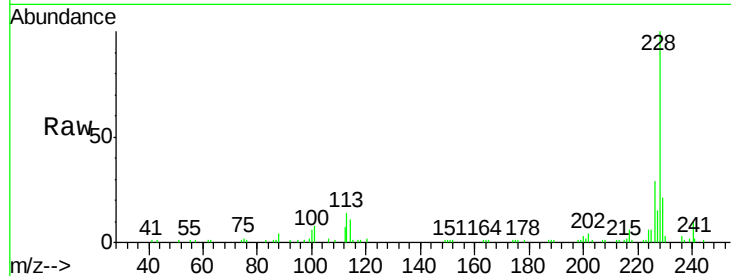
#82
Chrysene
Concen: 7.71 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Instrument :
BNA_F
ClientSampleId :
E2-S3-WSW

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.9	37.3
229	21.0	15.8	23.6

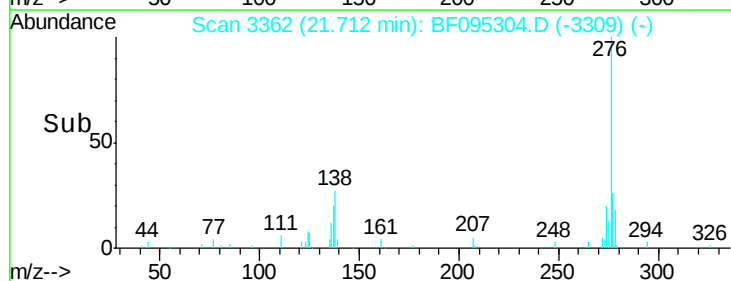
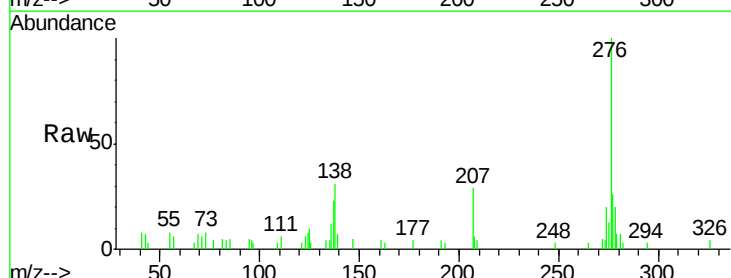
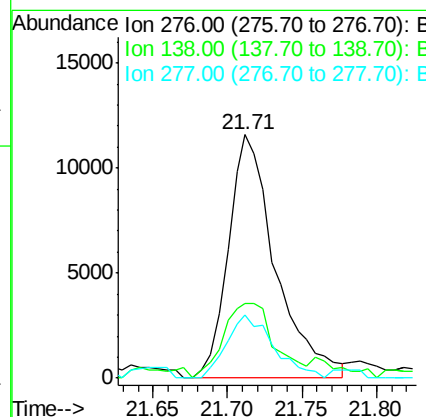
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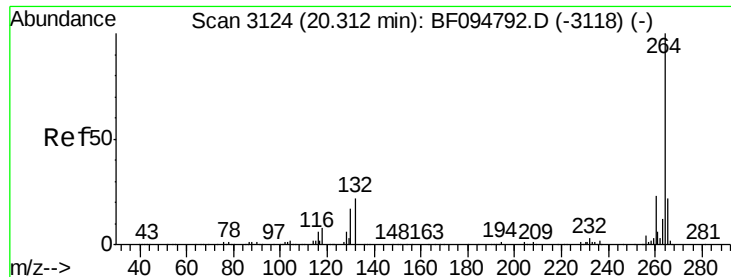
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.03 ng
RT: 21.71 min Scan# 3362
Delta R.T. 0.01 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.1	27.8	41.6
277	25.8	20.2	30.4





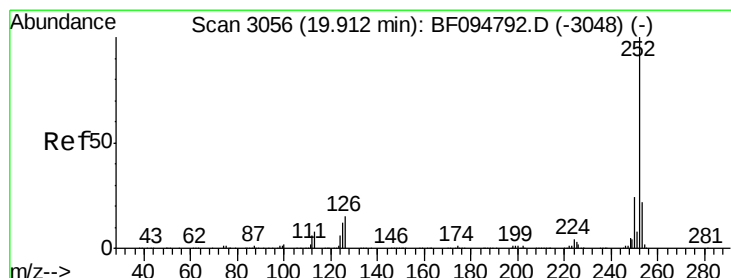
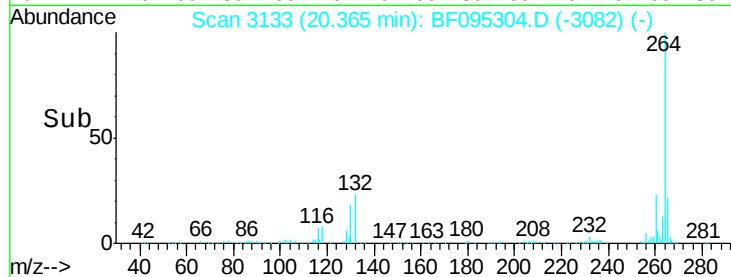
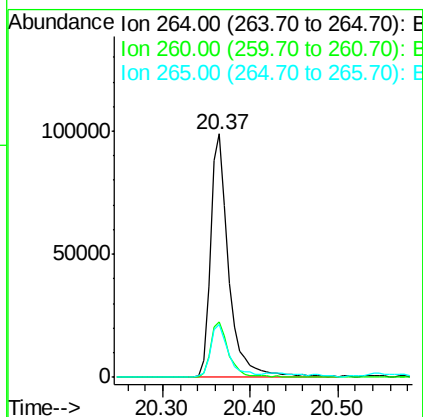
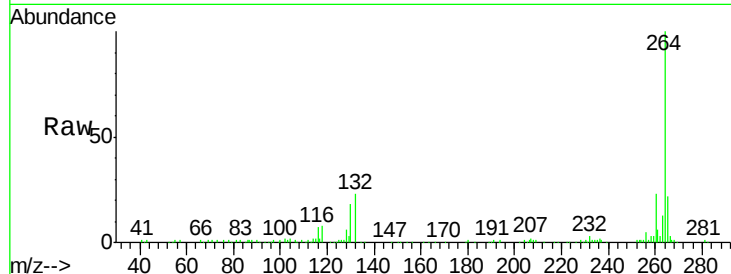
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Instrument :
BNA_F
ClientSampled :
E2-S3-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	143154		
260	22.7	19.5	29.3	
265	21.6	17.2	25.8	

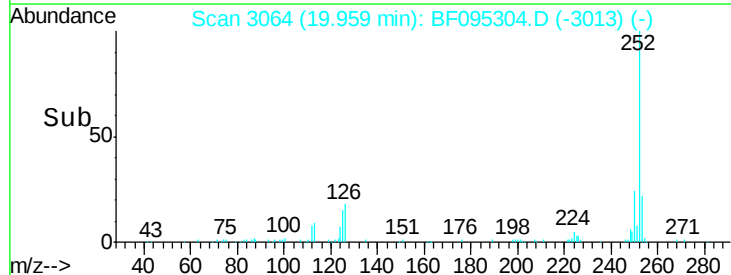
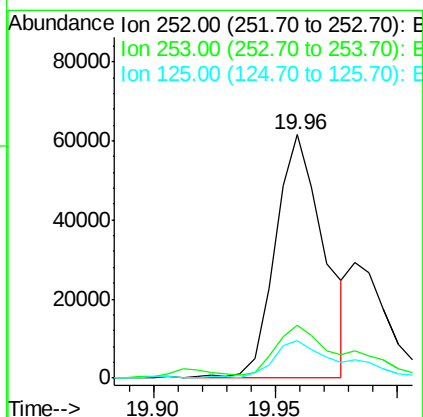
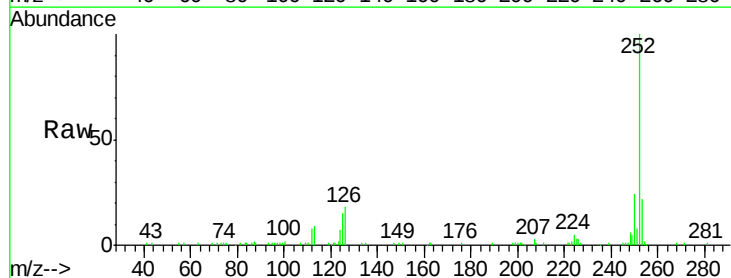
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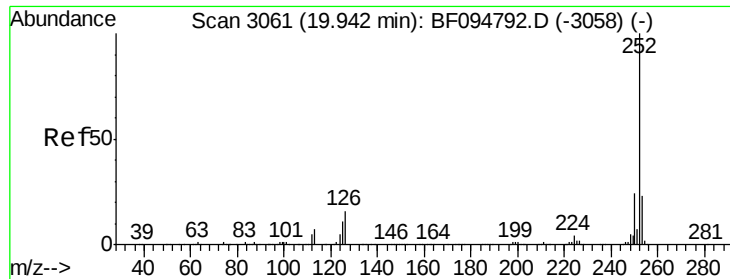
mohammad
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#87
Benzo(b)fluoranthene
Concen: 9.69 ng m
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	85684		
253	21.6	18.1	27.1	
125	15.4	9.8	14.8	





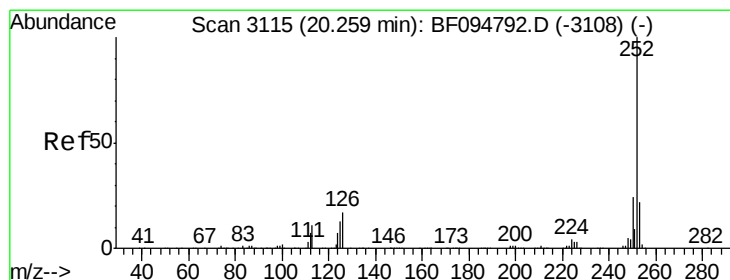
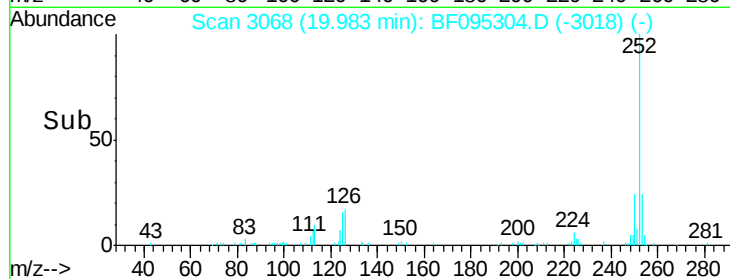
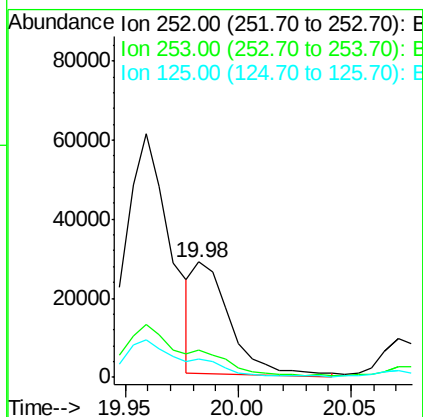
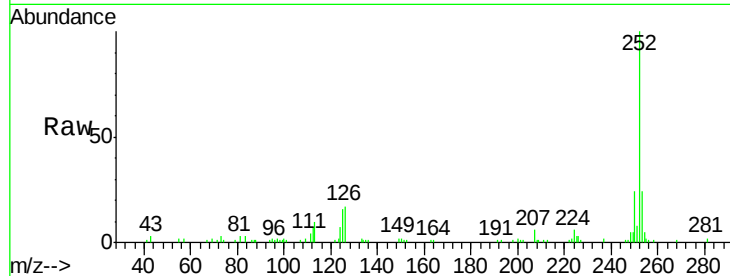
#88
Benzo(k)fluoranthene
Concen: 3.70 ng m
RT: 19.98 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Instrument :
BNA_F
ClientSampleId :
E2-S3-WSW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	15.6	13.1	19.7

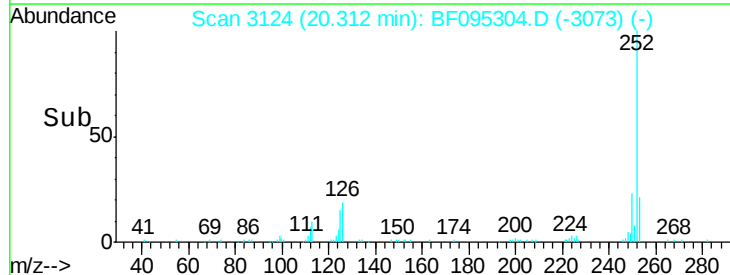
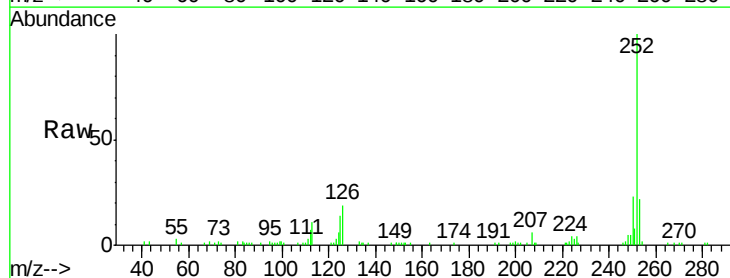
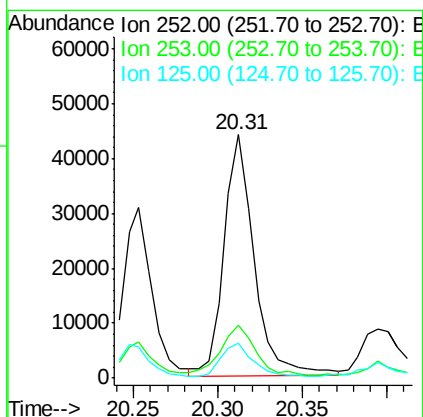
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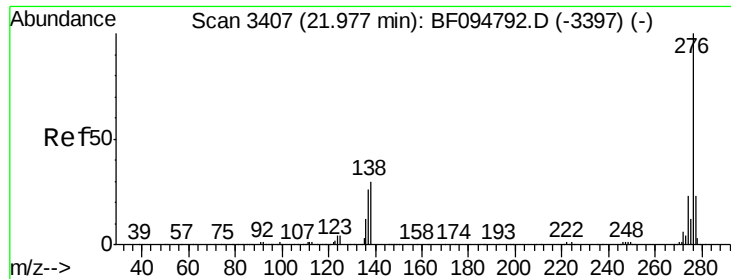
mohammad
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#89
Benzo(a)pyrene
Concen: 6.75 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	14.3	11.0	16.4





#91
 Benzo(g,h,i)perylene
 Concen: 3.39 ng m
 RT: 22.11 min Scan# 3429
 Delta R.T. 0.02 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-S3-WSW

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.4	18.6	28.0#
138	28.5	25.4	38.0

Manual Integrations
 APPROVED

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