

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095769.D
 Acq On : 8 Jun 2017 4:18
 Operator : SJ/MA
 Sample : I3496-02 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S6-WSW

Manual Integrations
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Quant Time: Jun 08 07:48:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	66705	20.00	ng	-0.01
21) Naphthalene-d8	9.42	136	248689	20.00	ng	-0.01
38) Acenaphthene-d10	12.26	164	100303	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	145618	20.00	ng	0.00
75) Chrysene-d12	18.34	240	133656	20.00	ng	-0.01
86) Perylene-d12	20.02	264	96290	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	49749	11.88	ng	0.02
7) Phenol-d6	6.97	99	69353	13.84	ng	0.01
23) Nitrobenzene-d5	8.30	82	42107	10.52	ng	-0.02
41) 2,4,6-Tribromophenol	13.56	330	9783	11.02	ng	0.00
44) 2-Fluorobiphenyl	11.20	172	82091	11.39	ng	-0.01
78) Terphenyl-d14	17.00	244	55769	10.36	ng	-0.01
Target Compounds						
57) Fluorene	13.15	166	36039	4.61	ng	# 90
70) Phenanthrene	14.69	178	95321	11.35	ng	# 93
71) Anthracene	14.77	178	51082	5.82	ng	# 84
74) Fluoranthene	16.46	202	201844	24.27	ng	98
77) Pyrene	16.76	202	204909	20.55	ng	96
80) Benzo(a)anthracene	18.34	228	52554	6.76	ng	98
82) Chrysene	18.38	228	47752	6.15	ng	99
87) Benzo(b)fluoranthene	19.62	252	35293m	5.85	ng	
88) Benzo(k)fluoranthene	19.64	252	13399m	2.32	ng	
89) Benzo(a)pyrene	19.96	252	23310	4.21	ng	# 94

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

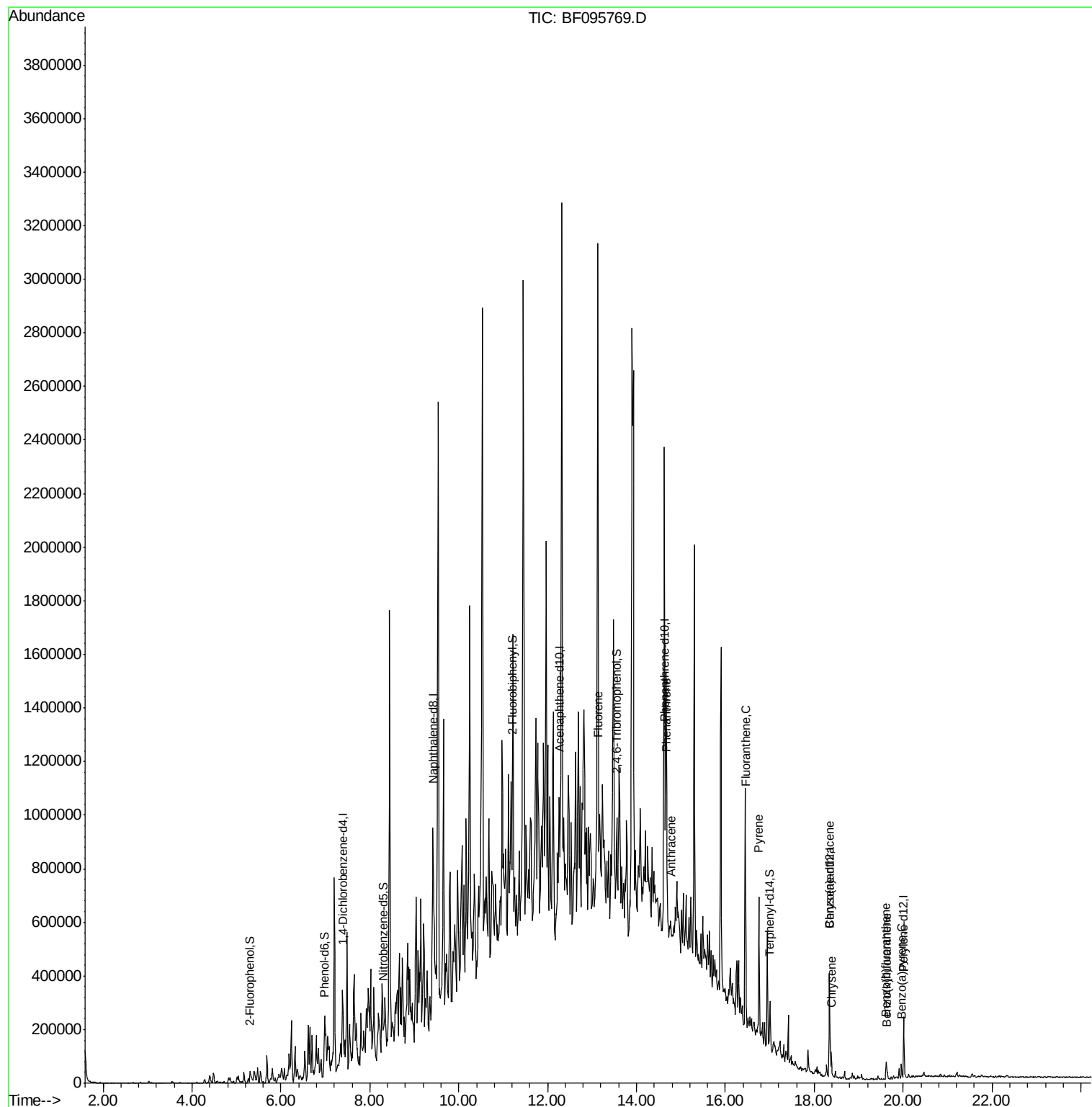
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
Data File : BF095769.D
Acq On : 8 Jun 2017 4:18
Operator : SJ/MA
Sample : I3496-02 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

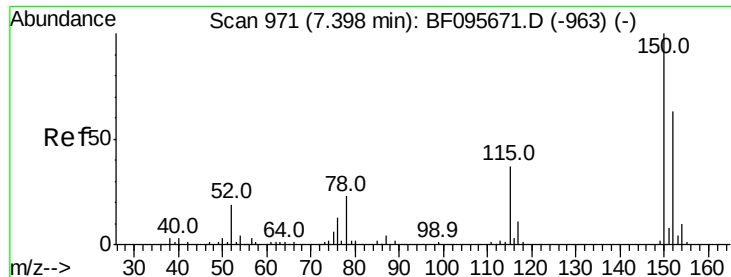
Instrument :
BNA_F
ClientSampleId :
E2-S6-WSW

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#1

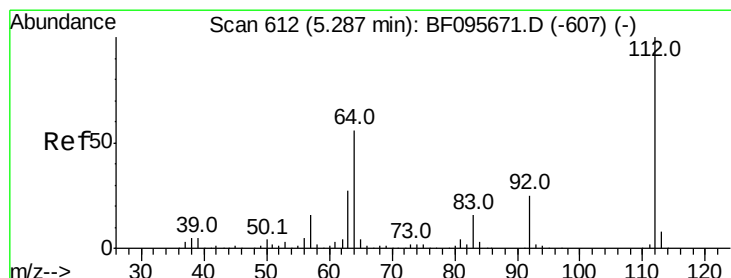
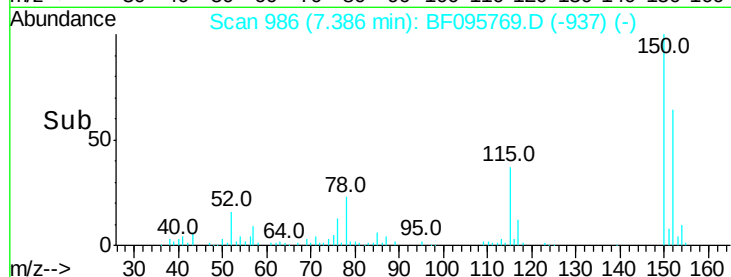
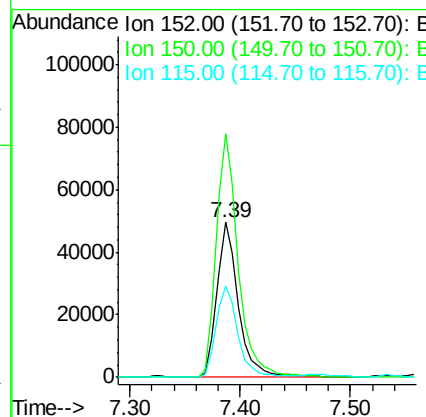
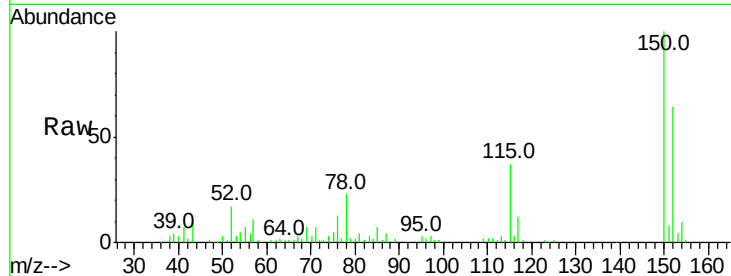
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Instrument :
BNA_F
ClientSampleId :
E2-S6-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	58.8	52.2	78.2

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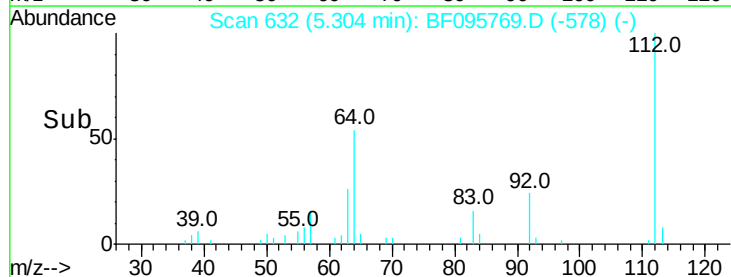
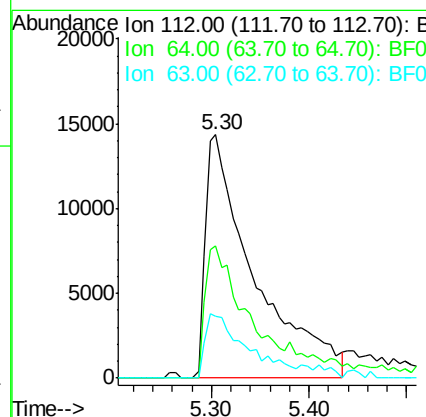
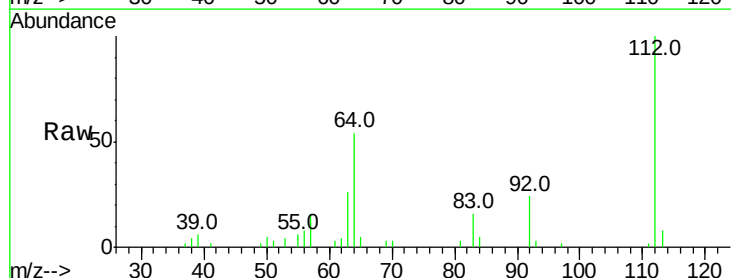
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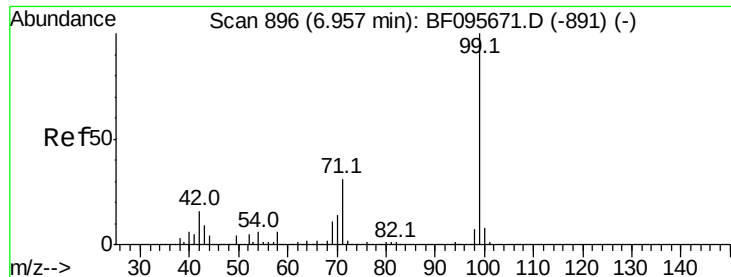


#5

2-Fluorophenol
Concen: 11.88 ng
RT: 5.30 min Scan# 632
Delta R.T. 0.02 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	25.6	23.4	35.0





#7

Phenol-d6

Concen: 13.84 ng

RT: 6.97 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF095769.D

Acq: 8 Jun 2017 4:18

Instrument :

BNA_F

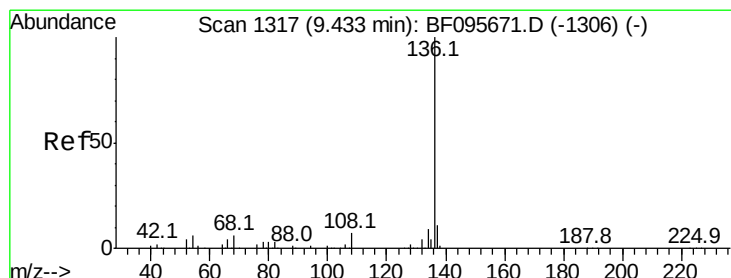
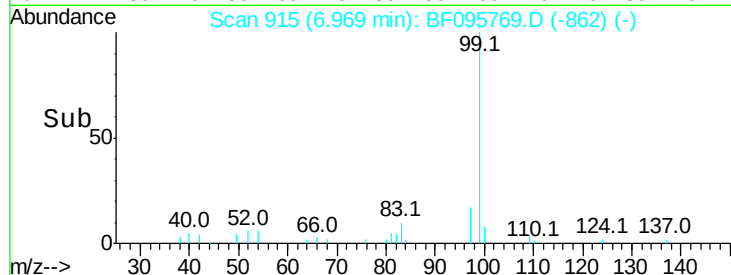
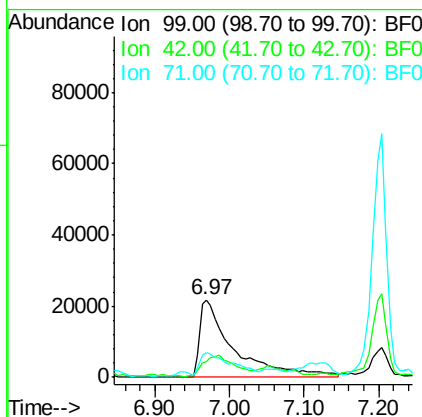
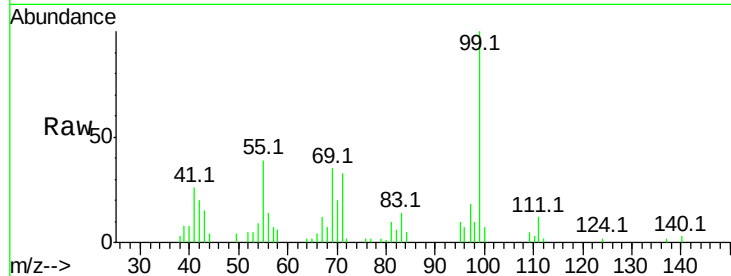
ClientSampled :

E2-S6-WSW

Tot Ion:	99	Resp:	69353
Ion Ratio	Lower	Upper	
99	100		
42	19.8	13.5	20.3
71	32.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

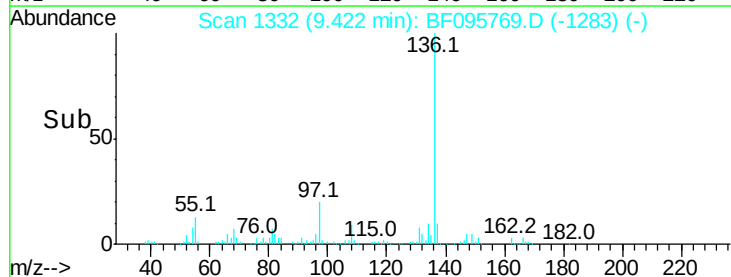
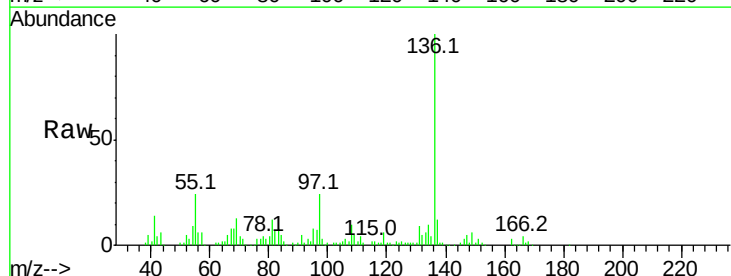
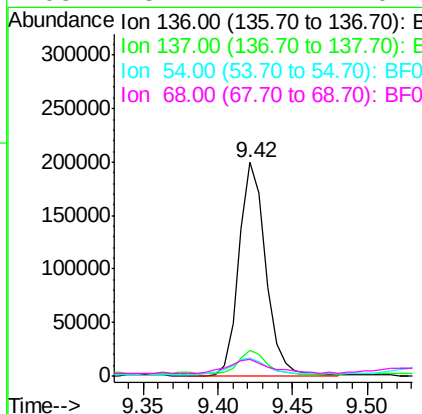
RT: 9.42 min Scan# 1332

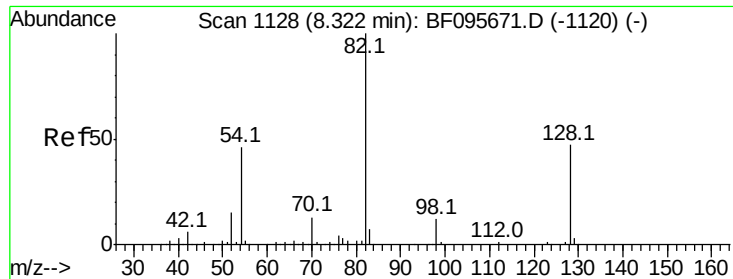
Delta R.T. -0.01 min

Lab File: BF095769.D

Acq: 8 Jun 2017 4:18

Tgt Ion:	136	Resp:	248689
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.5	12.7
54	8.7	4.9	7.3#
68	8.1	4.1	6.1#





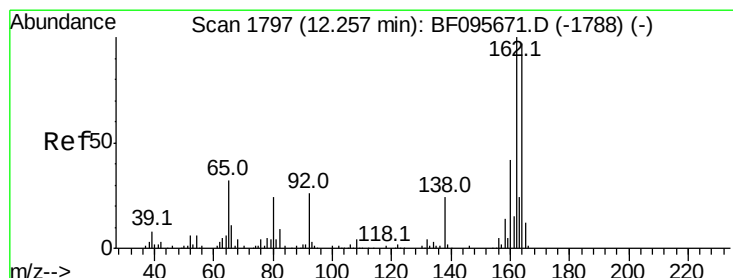
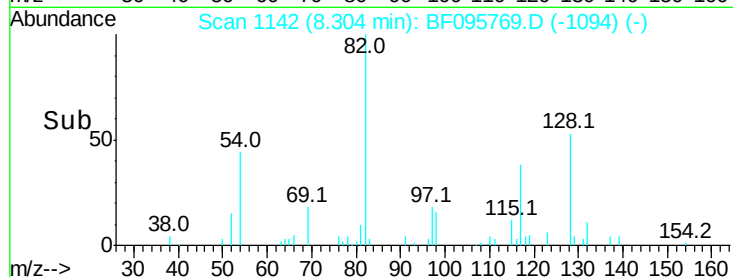
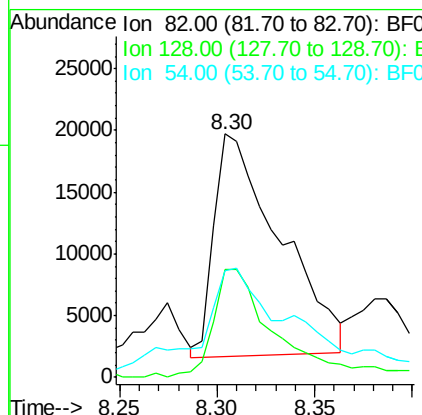
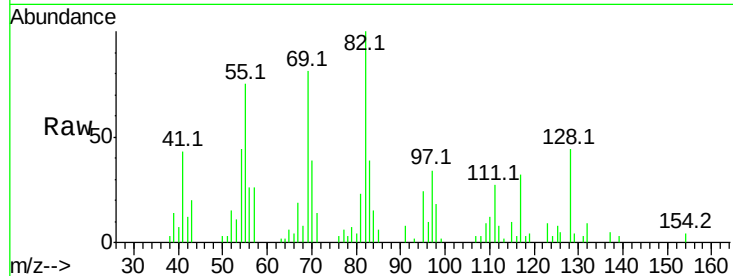
#23
Nitrobenzene-d5
Concen: 10.52 ng
RT: 8.30 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Instrument :
BNA_F
ClientSampled :
E2-S6-WSW

Tot Ion	82	Resp	42107
Ion Ratio	100	Lower	Upper
128	44.5	34.0	51.0
54	43.5	42.2	63.2

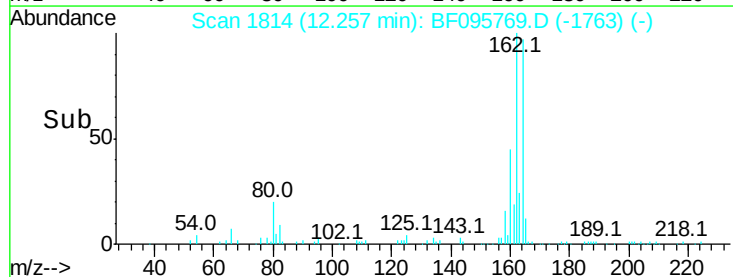
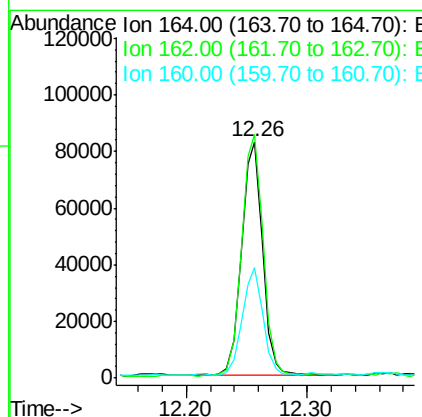
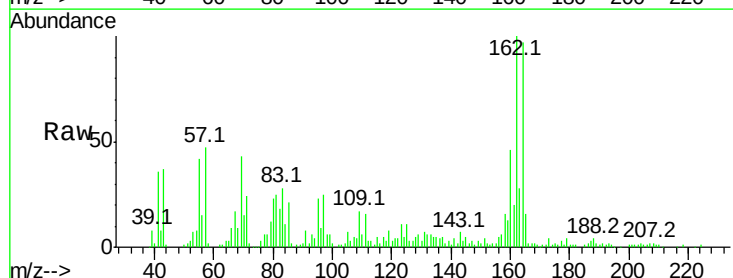
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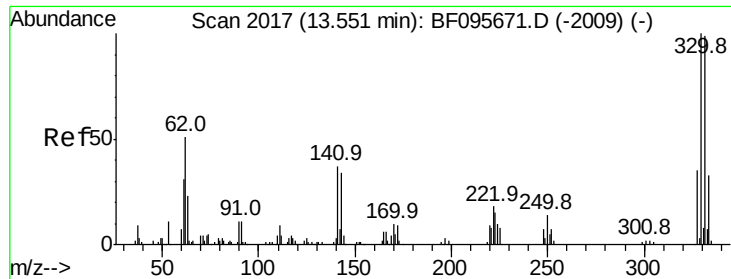
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.26 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Tgt Ion	164	Resp	100303
Ion Ratio	100	Lower	Upper
162	103.0	82.6	123.8
160	46.9	36.2	54.2





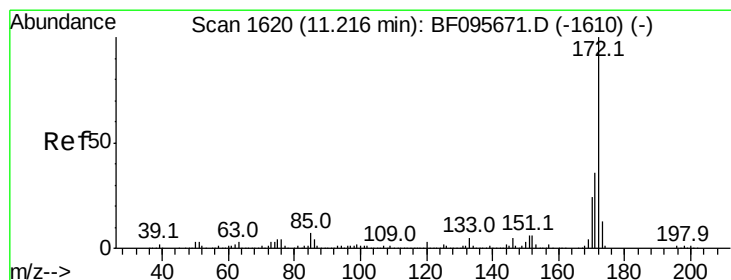
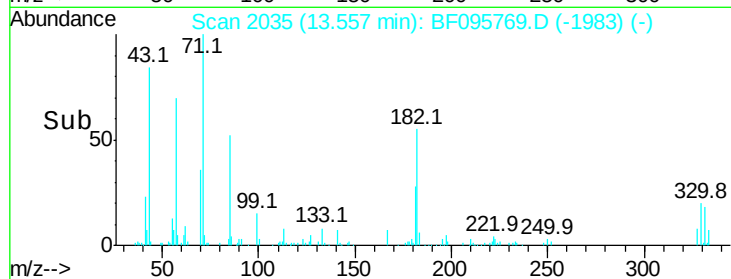
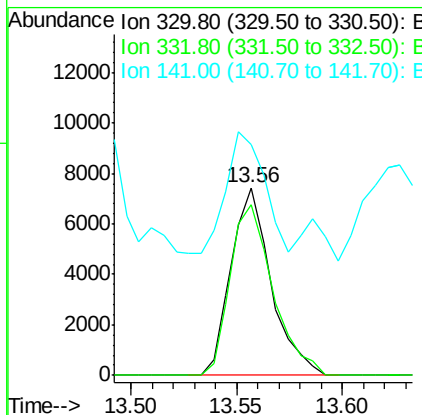
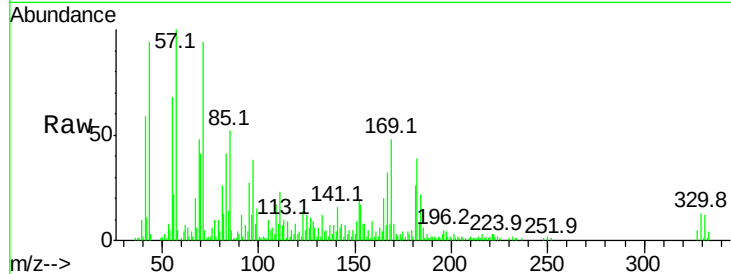
#41
2,4,6-Tribromophenol
Concen: 11.02 ng
RT: 13.56 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Instrument :
BNA_F
ClientSampleId :
E2-S6-WSW

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	100.7	31.4	47.2

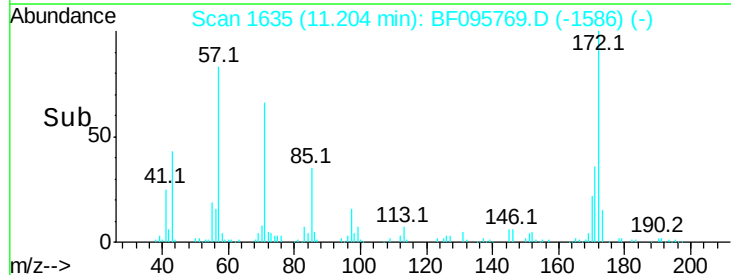
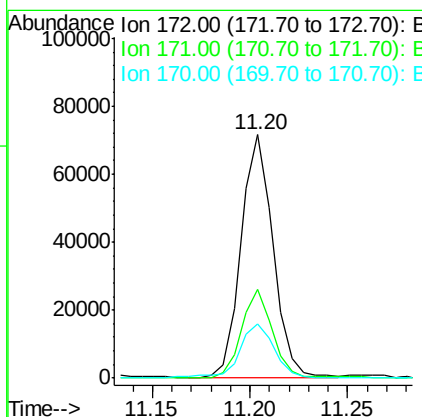
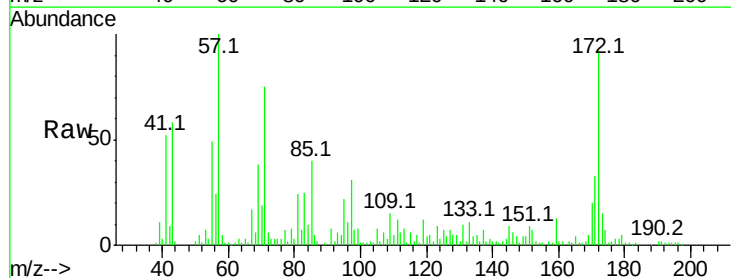
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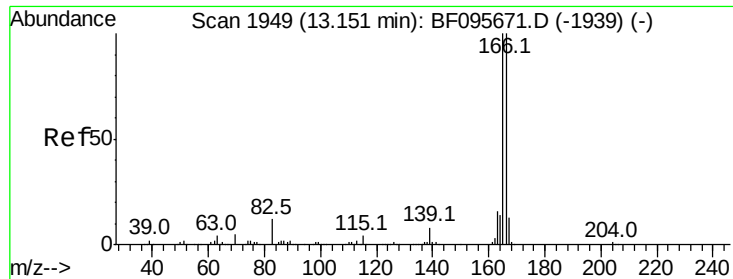
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#44
2-Fluorobiphenyl
Concen: 11.39 ng
RT: 11.20 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	22.2	19.8	29.8





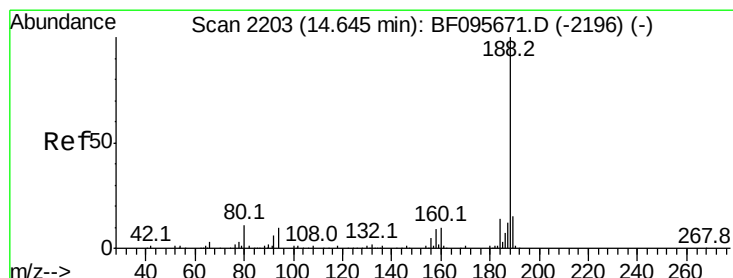
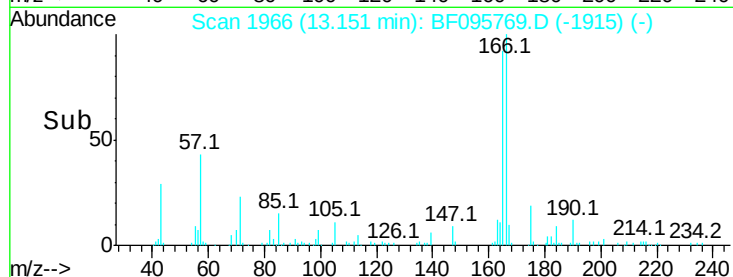
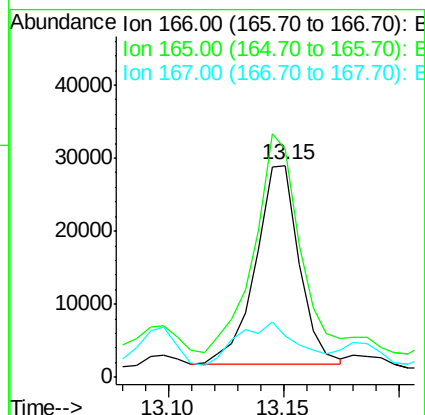
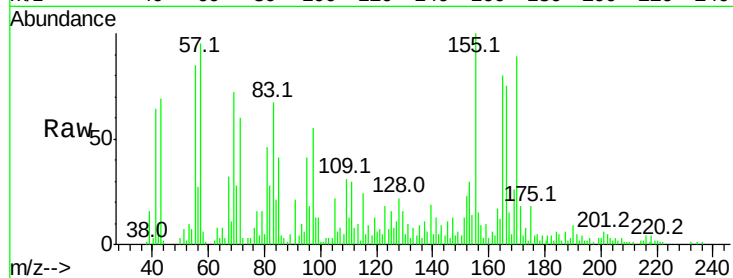
#57
Fluorene
Concen: 4.61 ng
RT: 13.15 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Instrument :
BNA_F
ClientSampleId :
E2-S6-WSW

Tot Ion	Ratio	Lower	Upper
166	100		
165	107.9	78.8	118.2
167	19.8	10.6	16.0

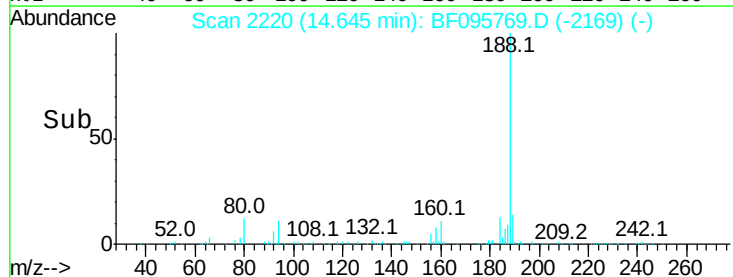
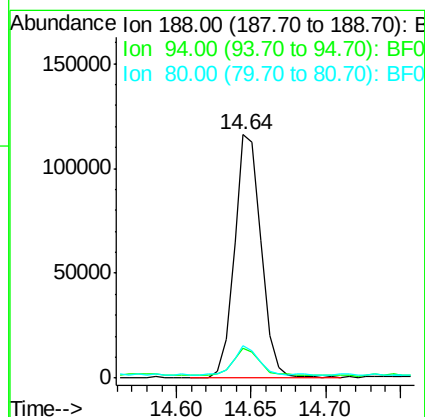
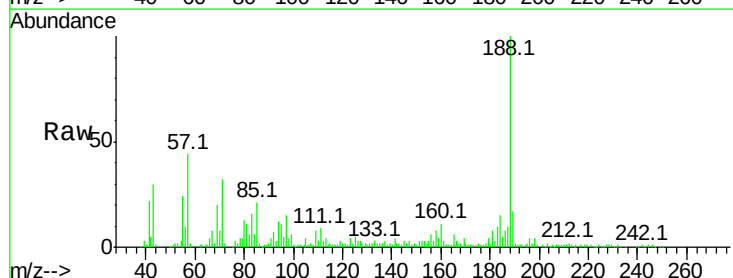
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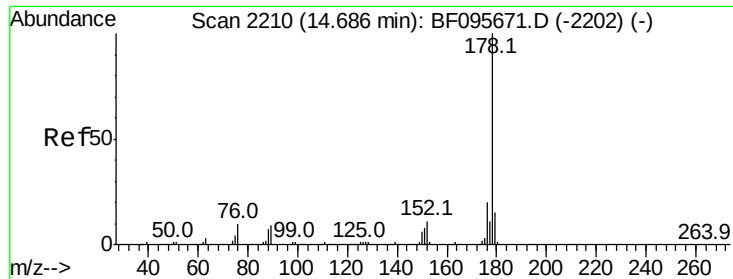
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 2220
Delta R.T. -0.00 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.4	14.2
80	13.1	10.2	15.2





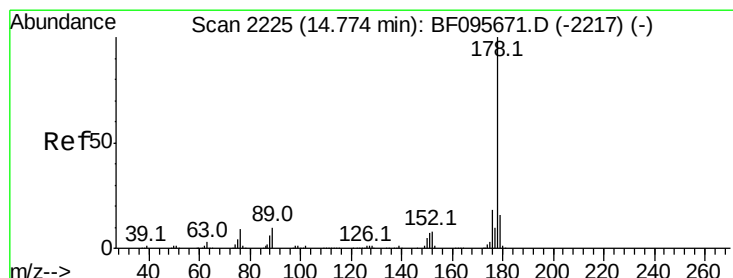
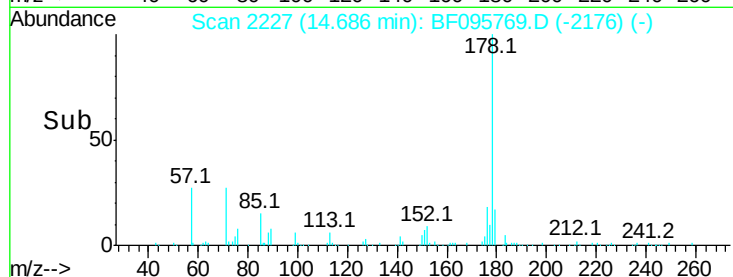
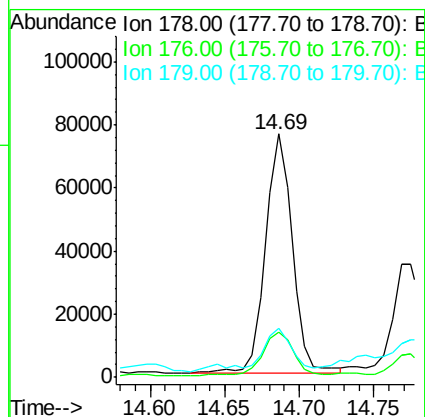
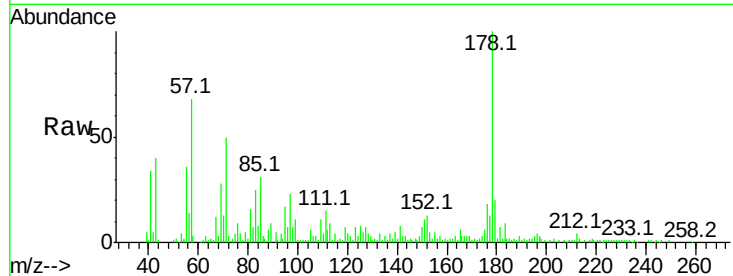
#70
Phenanthrene
Concen: 11.35 ng
RT: 14.69 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Instrument :
BNA_F
ClientSampled :
E2-S6-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.4
179	20.1	12.6	19.0#

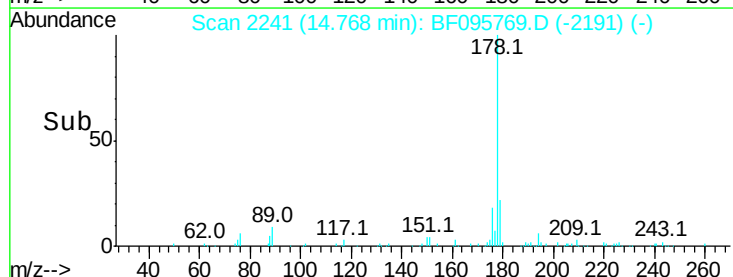
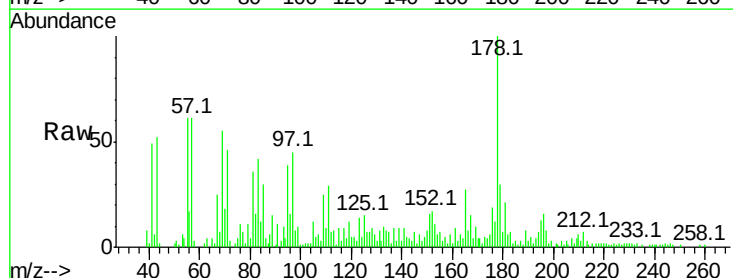
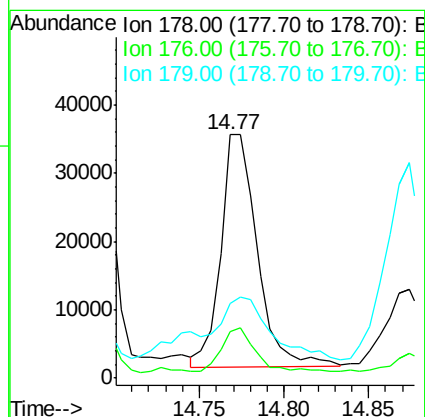
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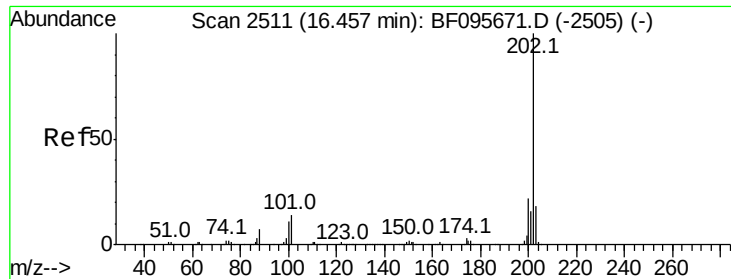
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#71
Anthracene
Concen: 5.82 ng
RT: 14.77 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	30.4	12.7	19.1#





#74

Fluoranthene

Concen: 24.27 ng

RT: 16.46 min Scan# 2528

Delta R.T. -0.00 min

Lab File: BF095769.D

Acq: 8 Jun 2017 4:18

Instrument :

BNA_F

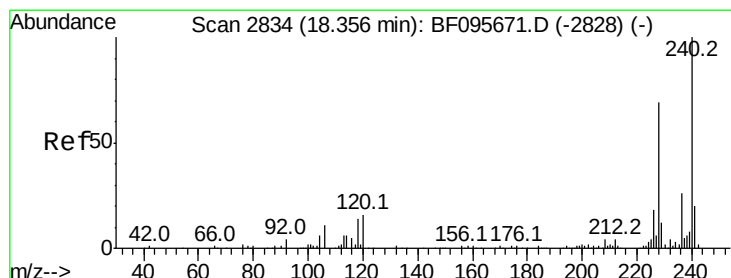
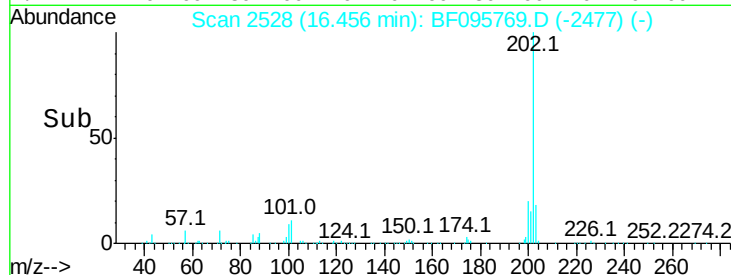
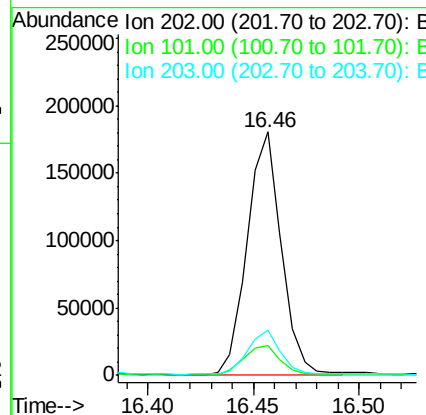
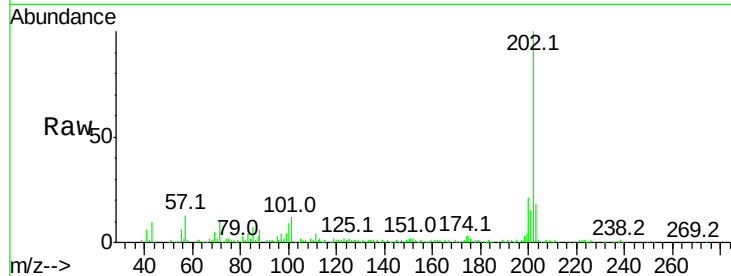
ClientSampled :

E2-S6-WSW

Tot Ion	Ratio	Resp	Lower	Upper
202	100	201844		
101	12.0	0.0	33.2	
203	18.4	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

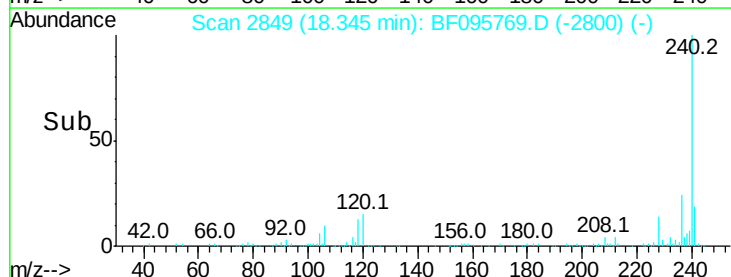
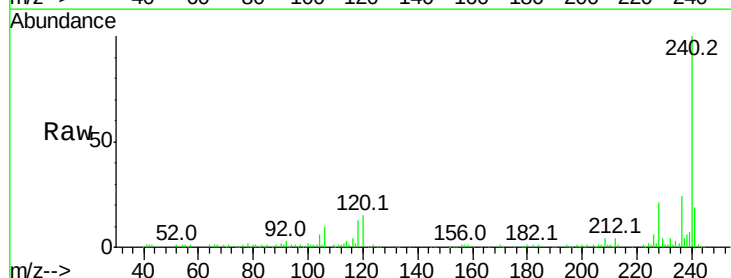
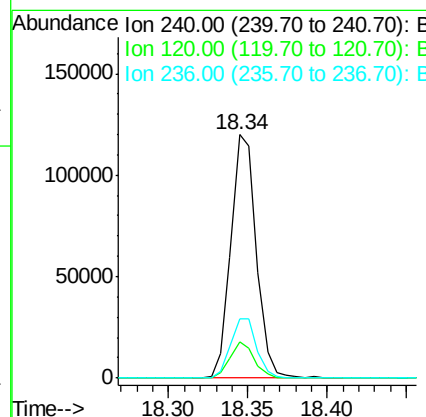
RT: 18.34 min Scan# 2849

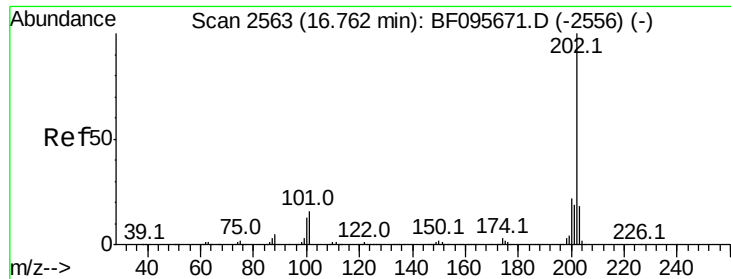
Delta R.T. -0.01 min

Lab File: BF095769.D

Acq: 8 Jun 2017 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	133656		
120	14.7	5.8	8.8#	
236	24.5	20.5	30.7	





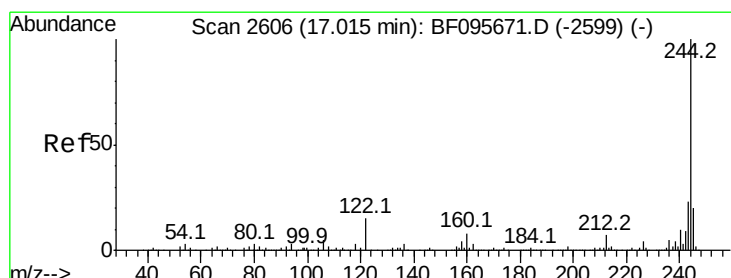
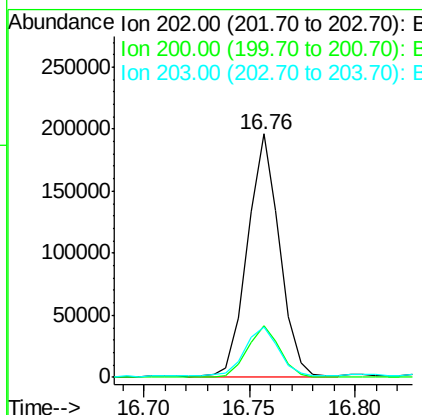
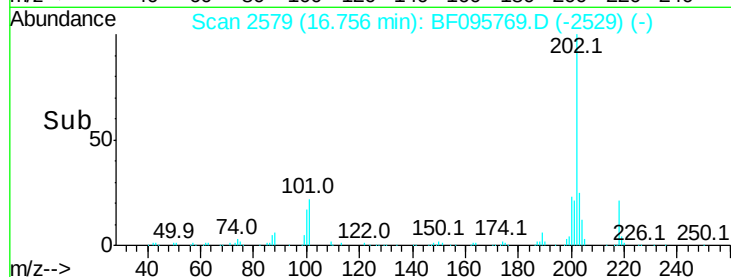
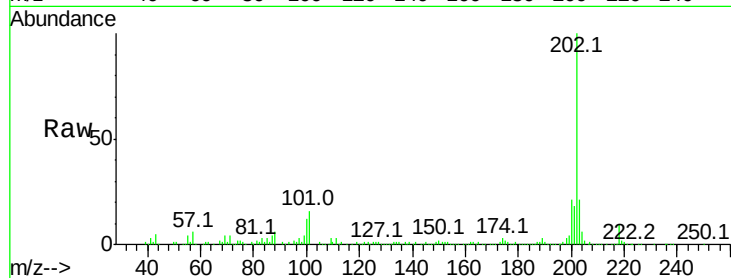
#77
Pvrene
Concen: 20.55 ng
RT: 16.76 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Instrument :
BNA_F
ClientSampleId :
E2-S6-WSW

Tot Ion:	202	Resp:	204909
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.6	26.4
203	20.6	14.4	21.6

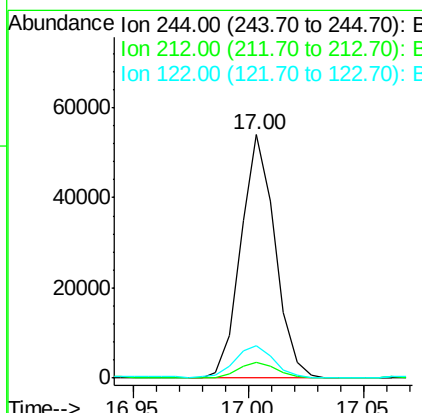
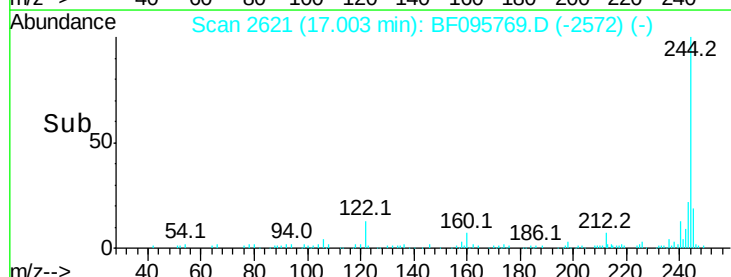
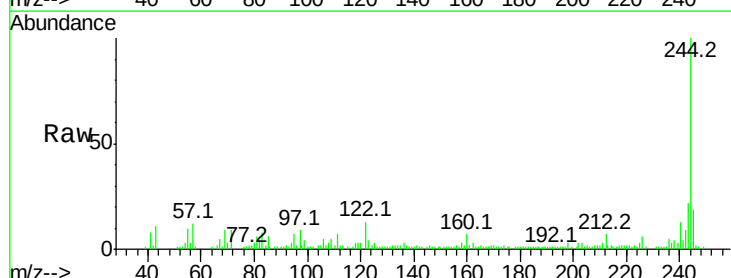
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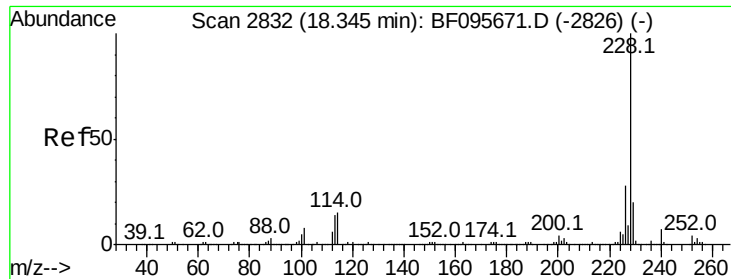
mohammad
6/8/2017 12:19:18 PM



#78
Terphenyl-d14
Concen: 10.36 ng
RT: 17.00 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Tgt Ion:	244	Resp:	55769
Ion Ratio		Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.4	10.3	15.5





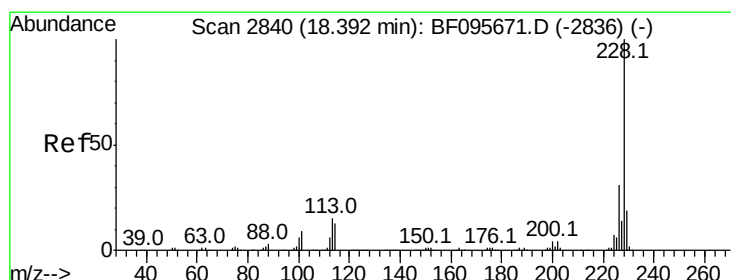
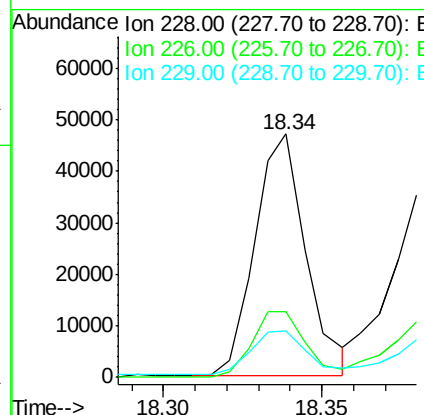
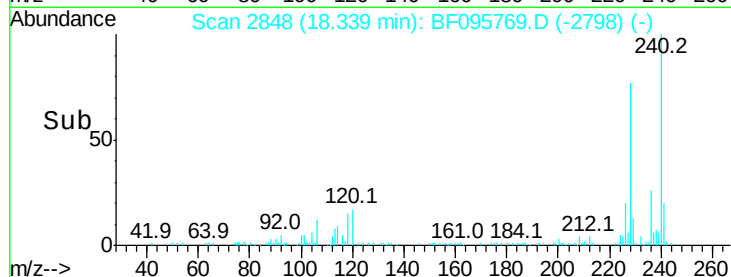
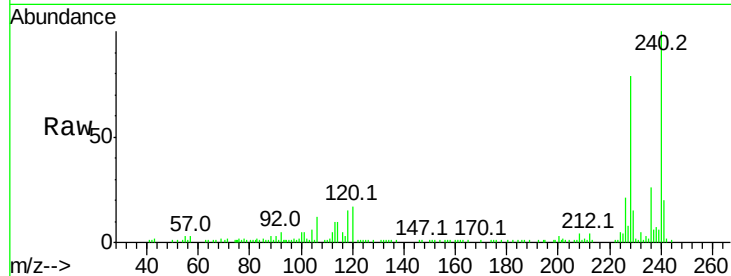
#80
Benzo(a)anthracene
Concen: 6.76 ng
RT: 18.34 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Instrument :
BNA_F
ClientSampleId :
E2-S6-WSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	19.1	16.3	24.5

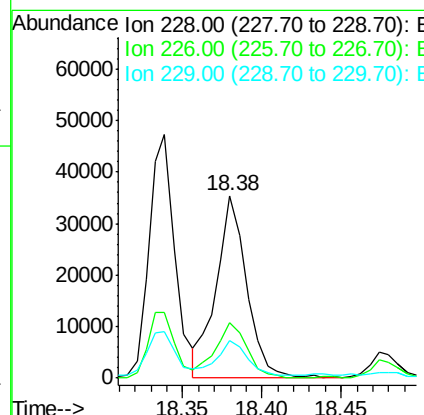
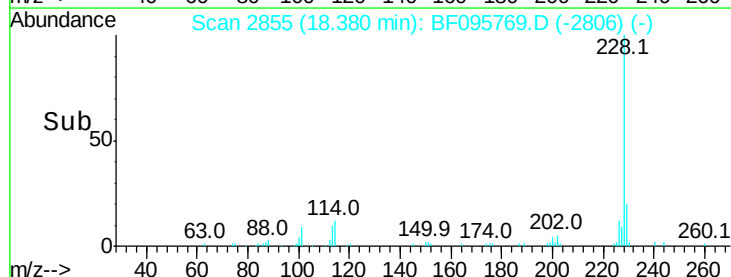
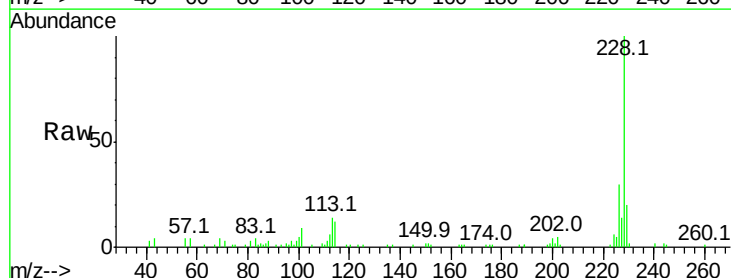
Manual Integrations
APPROVED

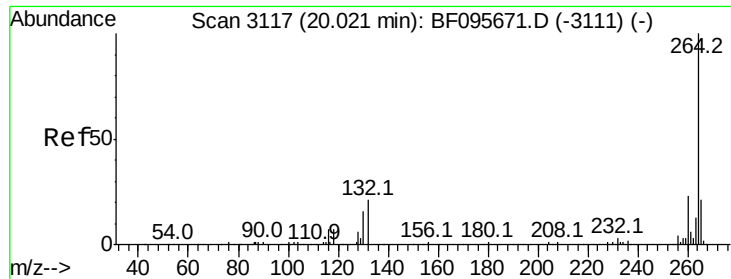
mohammad
6/8/2017 12:19:18 PM



#82
Chrysene
Concen: 6.15 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	20.3	15.8	23.6





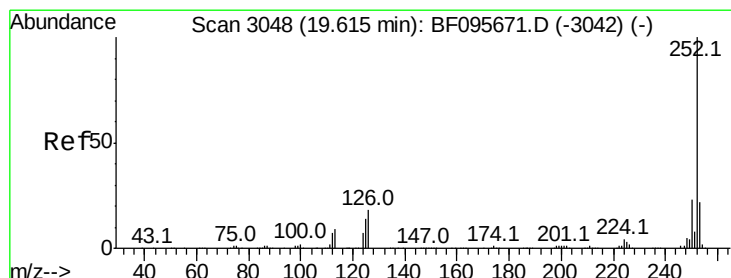
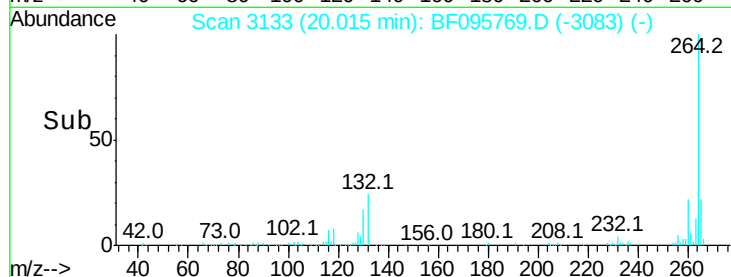
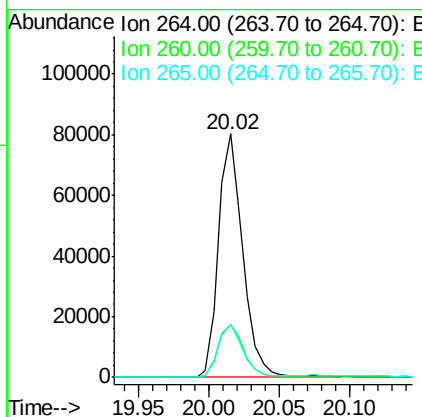
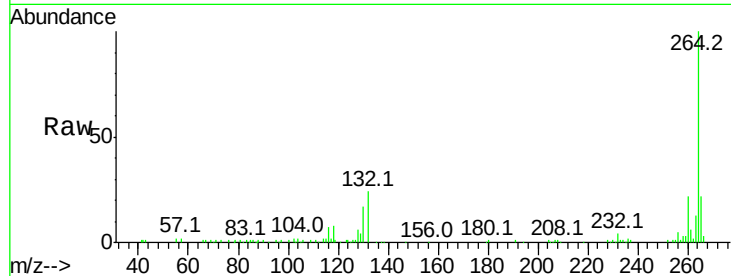
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Instrument :
BNA_F
ClientSampled :
E2-S6-WSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	19.5	29.3
265	22.0	17.2	25.8

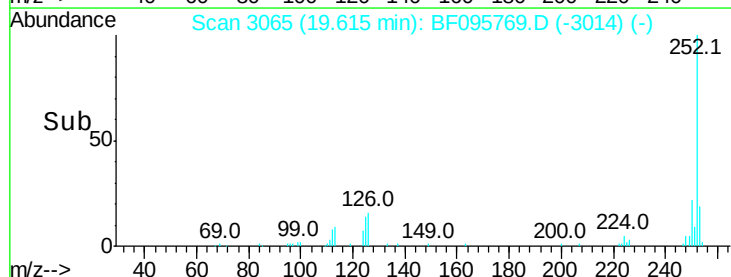
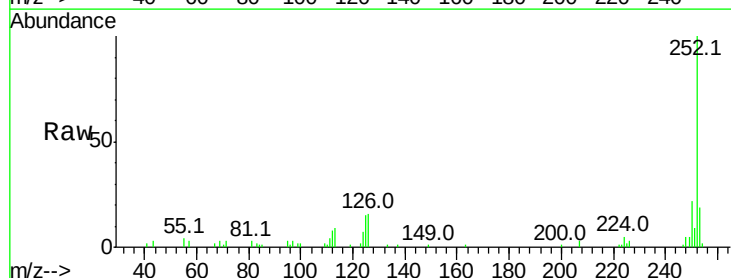
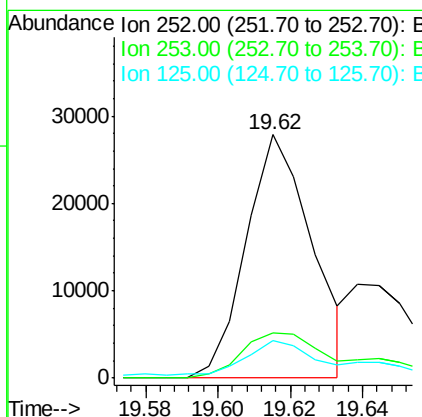
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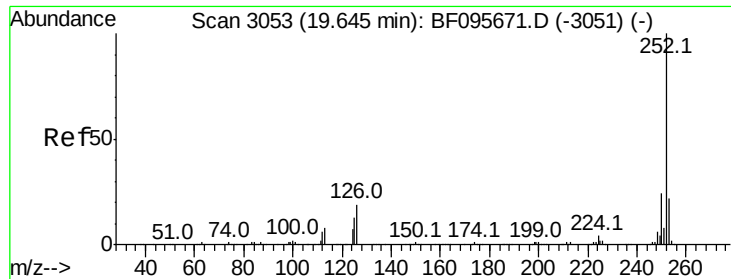
mohammad
6/8/2017 12:19:18 PM



#87
Benzo(b)fluoranthene
Concen: 5.85 ng m
RT: 19.62 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.6	18.1	27.1
125	15.4	9.8	14.8#





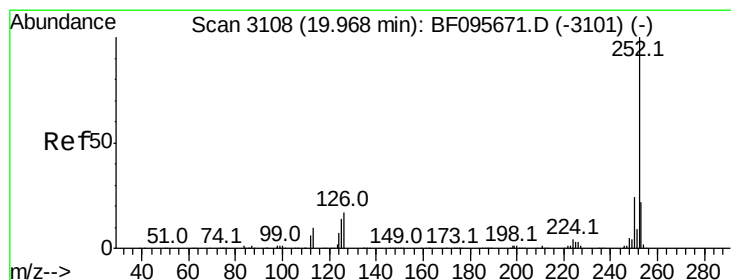
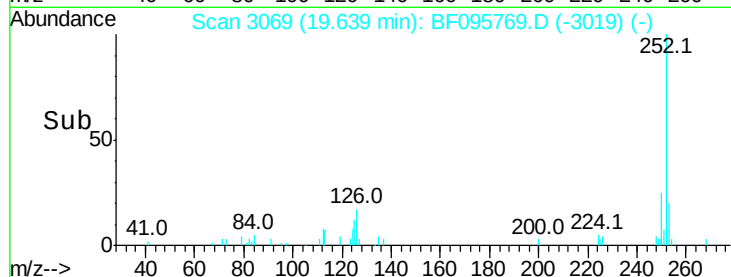
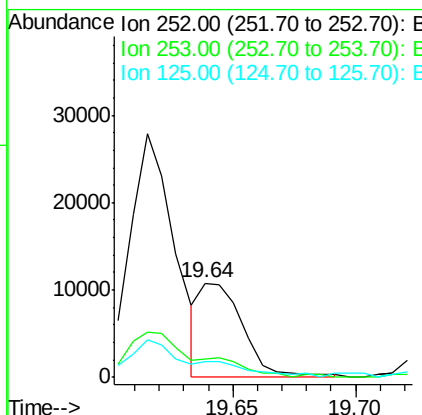
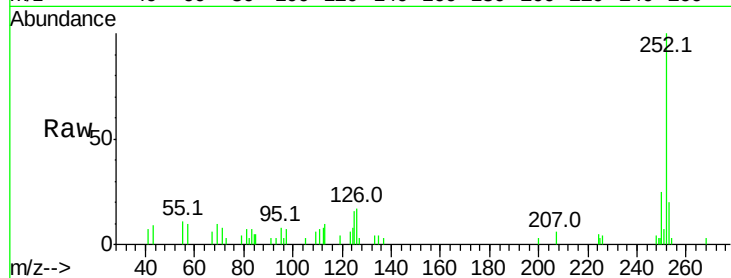
#88
Benzo(k)fluoranthene
Concen: 2.32 ng/ml
RT: 19.64 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Instrument :
BNA_F
ClientSampleId :
E2-S6-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.9	18.4	27.6
125	16.4	13.1	19.7

Manual Integrations
APPROVED

mohammad
6/8/2017 12:19:18 PM



#89
Benzo(a)pyrene
Concen: 4.21 ng/ml
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095769.D
Acq: 8 Jun 2017 4:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	17.1	11.0	16.4#

