

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095646.D
 Acq On : 2 Jun 2017 21:41
 Operator : SJ/MA
 Sample : I3442-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-060117

Manual Integrations
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Quant Time: Jun 03 04:30:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	81558	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	305174	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	116317	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	179884	20.00	ng	0.00
75) Chrysene-d12	18.50	240	168002	20.00	ng	0.00
86) Perylene-d12	20.17	264	125120	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	92644	18.94	ng	0.04
7) Phenol-d6	7.12	99	105795	18.02	ng	0.02
23) Nitrobenzene-d5	8.46	82	68532	14.16	ng	0.00
41) 2,4,6-Tribromophenol	13.70	330	17305	18.17	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	137572	17.02	ng	0.00
78) Terphenyl-d14	17.14	244	93339	12.24	ng	0.00
Target Compounds						
70) Phenanthrene	14.83	178	120247	11.63	ng	Qvalue 97
71) Anthracene	14.93	178	33664	3.19	ng	98
74) Fluoranthene	16.60	202	170013	16.04	ng	99
77) Pyrene	16.90	202	177773	14.15	ng	97
80) Benzo(a)anthracene	18.49	228	75042	7.67	ng	98
82) Chrysene	18.53	228	76725	8.12	ng	97
85) Indeno(1,2,3-cd)pyrene	21.43	276	20873	2.72	ng	97
87) Benzo(b)fluoranthene	19.77	252	63470m	8.21	ng	
88) Benzo(k)fluoranthene	19.80	252	24752m	3.32	ng	
89) Benzo(a)pyrene	20.12	252	46463	6.51	ng	# 93
91) Benzo(a,h,i)perylene	21.79	276	21528	3.72	ng	# 91

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

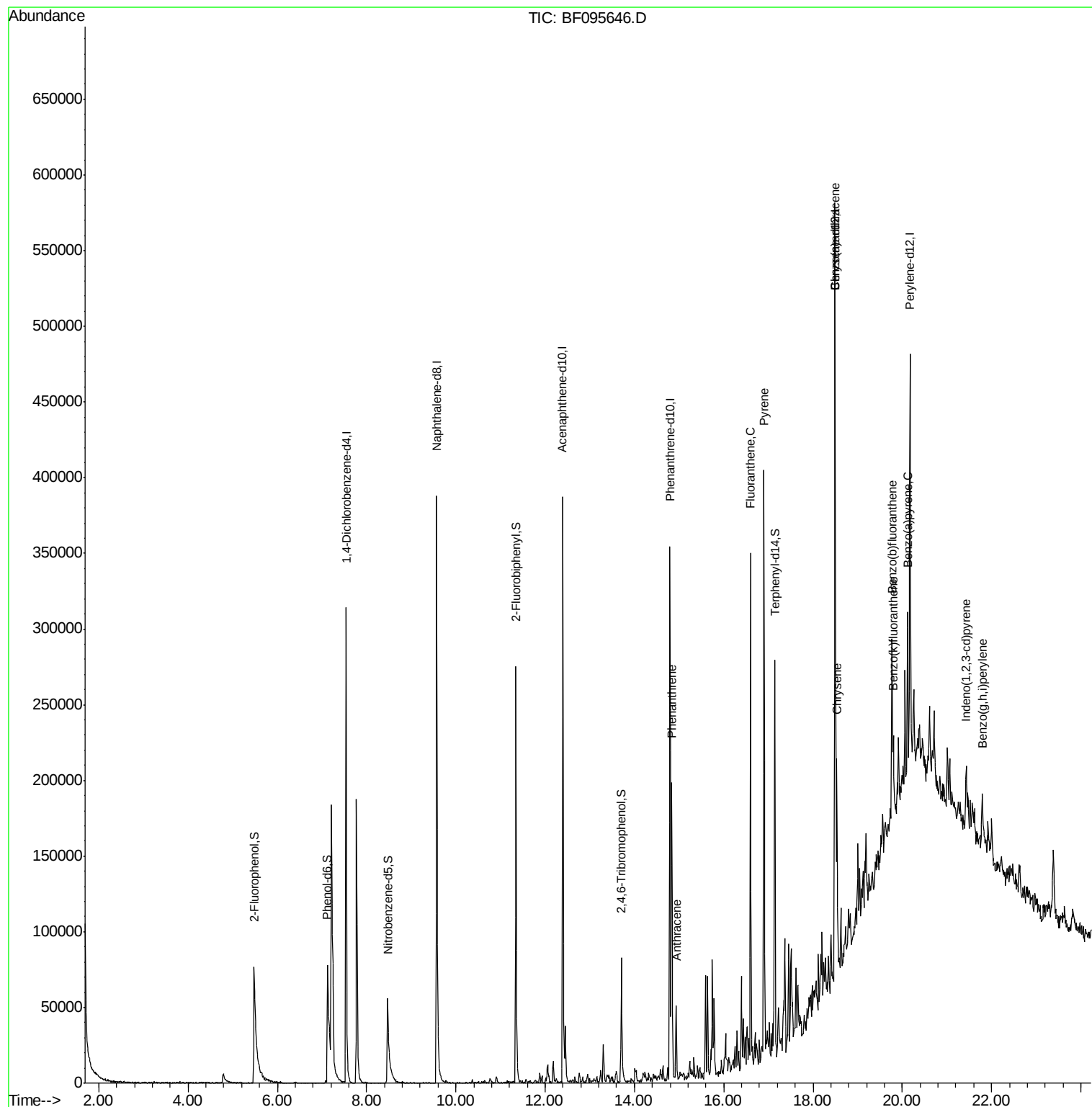
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095646.D
Acq On : 2 Jun 2017 21:41
Operator : SJ/MA
Sample : I3442-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

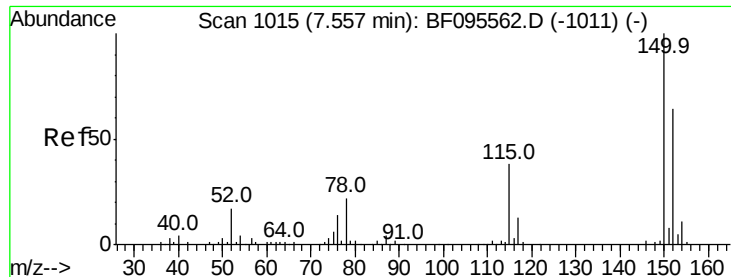
Instrument :
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#1

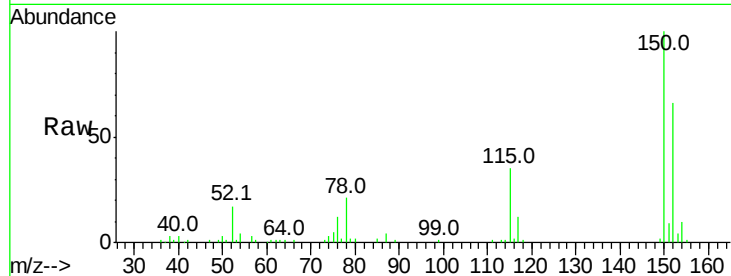
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampleId :
OK-02-060117

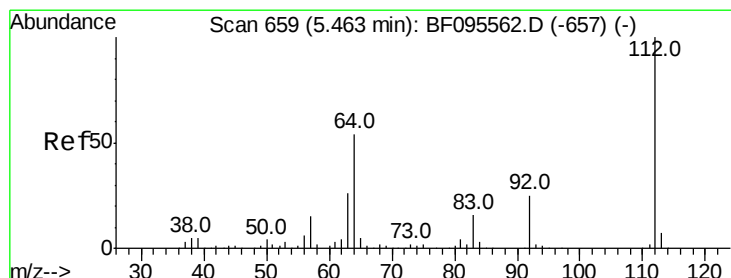
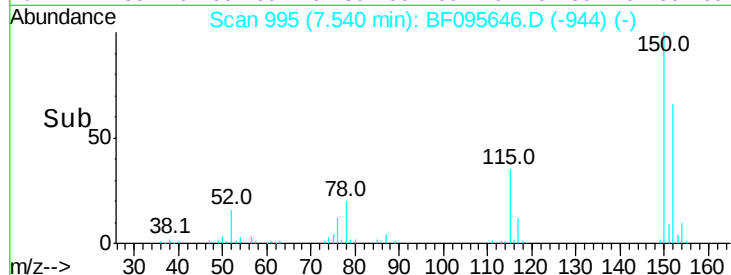
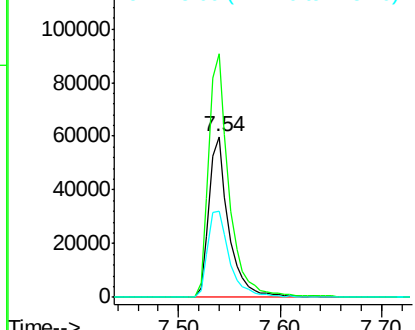
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.2	189.2
115	53.3	52.2	78.2

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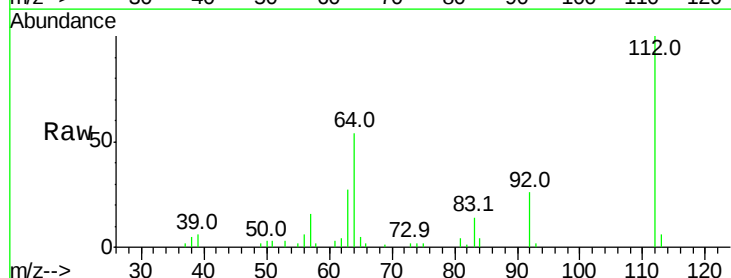
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



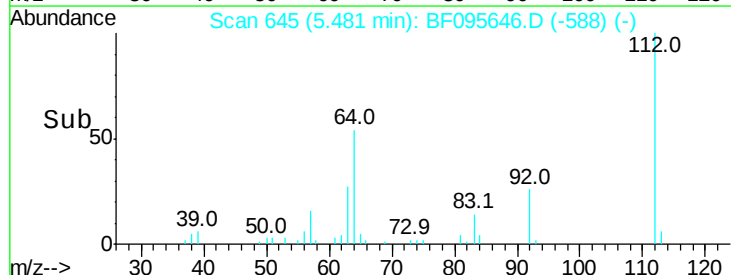
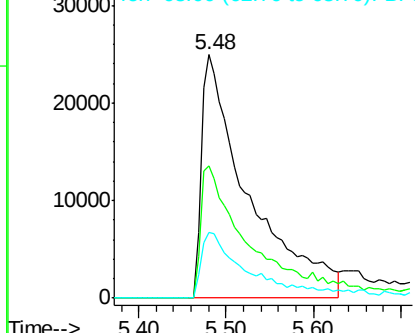
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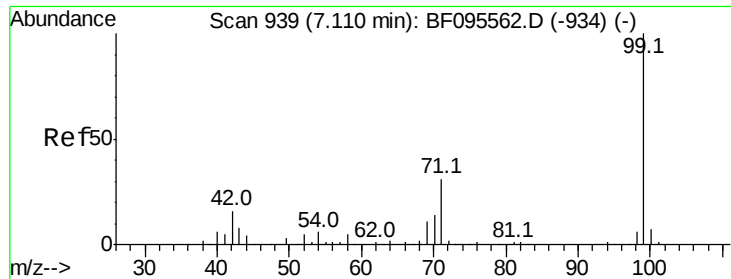
2-Fluorophenol
Concen: 18.94 ng
RT: 5.48 min Scan# 645
Delta R.T. 0.04 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	26.8	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: 18.02 ng

RT: 7.12 min Scan# 924

Delta R.T. 0.02 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Instrument :

BNA_F

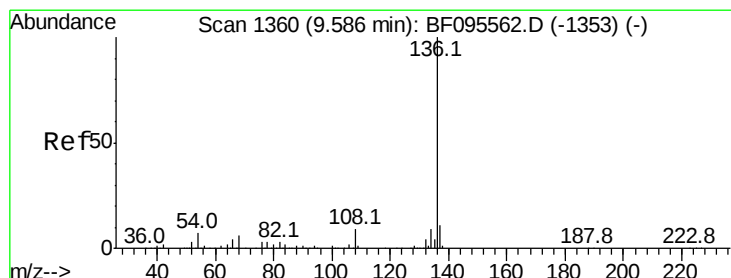
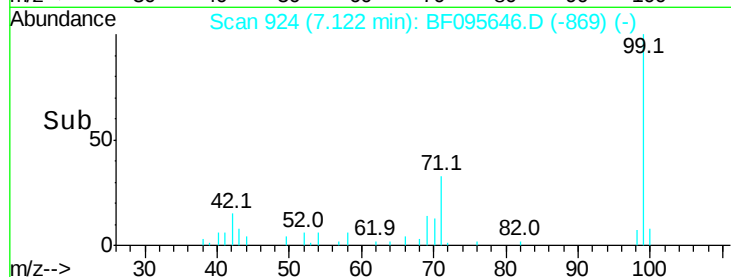
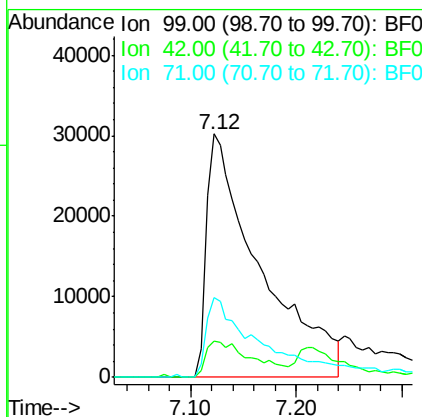
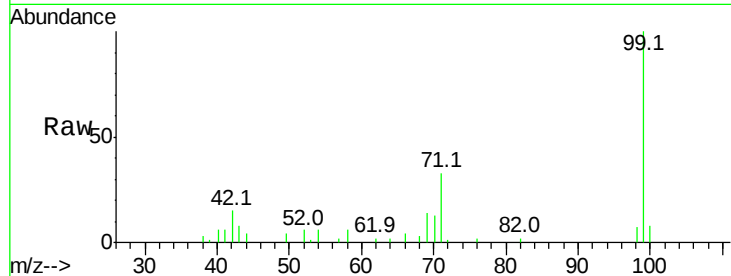
ClientSampleId :

OK-02-060117

Tot Ion:	99	Resp:	105795
Ion Ratio	Lower	Upper	
99	100		
42	14.9	13.5	20.3
71	32.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

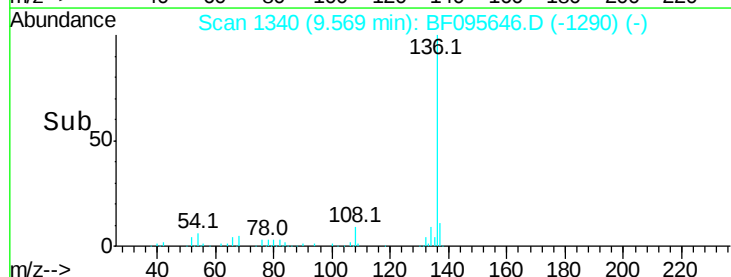
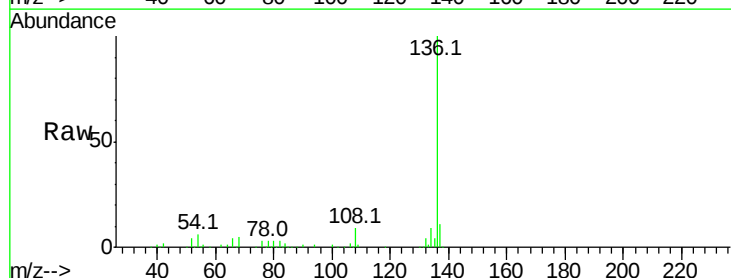
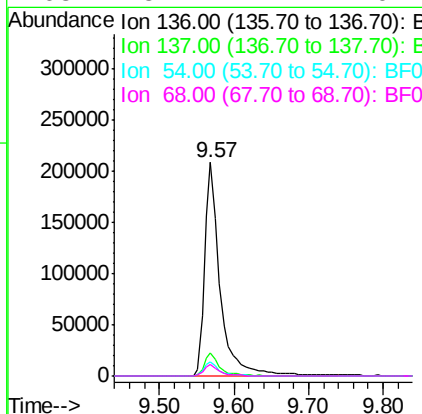
RT: 9.57 min Scan# 1340

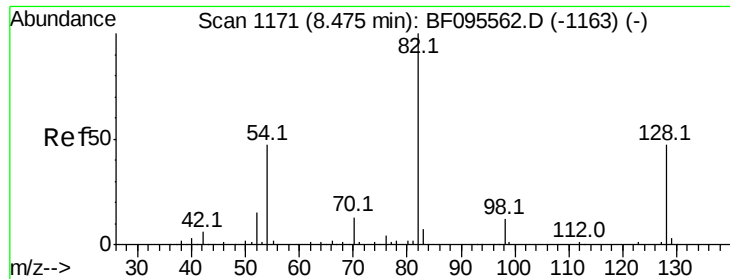
Delta R.T. -0.01 min

Lab File: BF095646.D

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Tgt Ion:	136	Resp:	305174
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.5	4.9	7.3
68	5.4	4.1	6.1





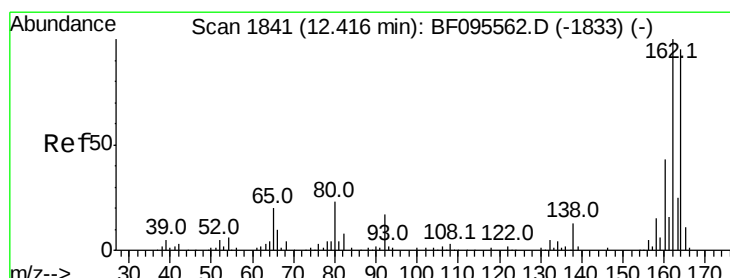
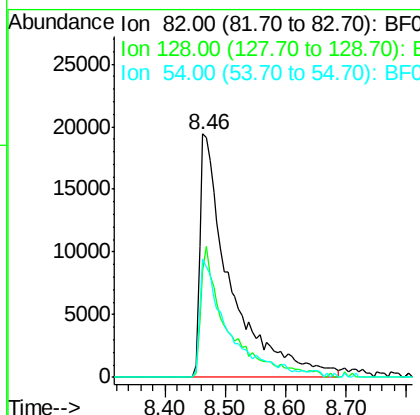
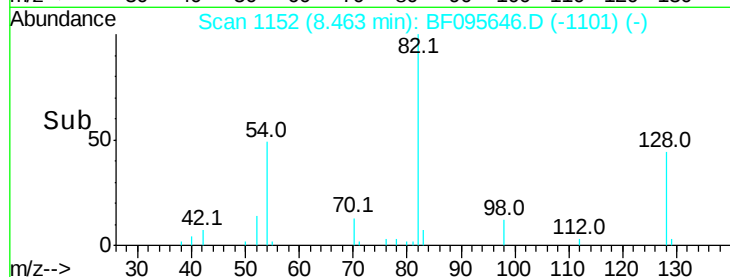
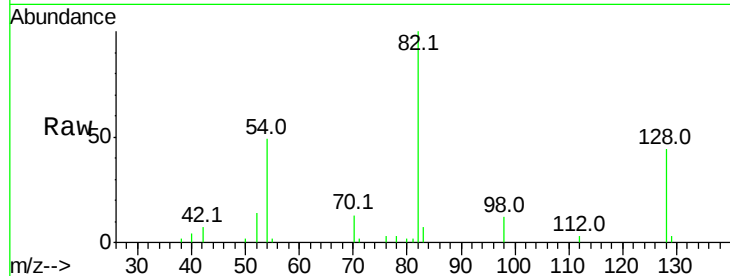
#23
Nitrobenzene-d5
Concen: 14.16 ng
RT: 8.46 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampleId :
OK-02-060117

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.0	51.0
54	48.7	42.2	63.2

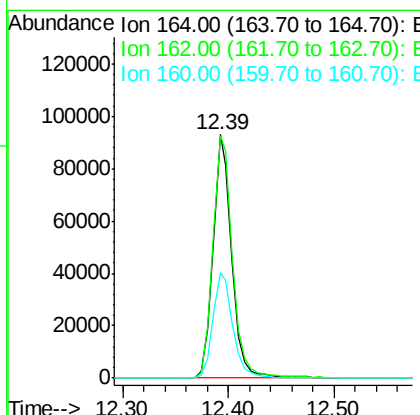
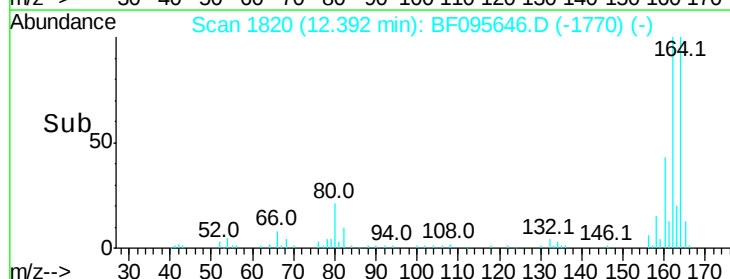
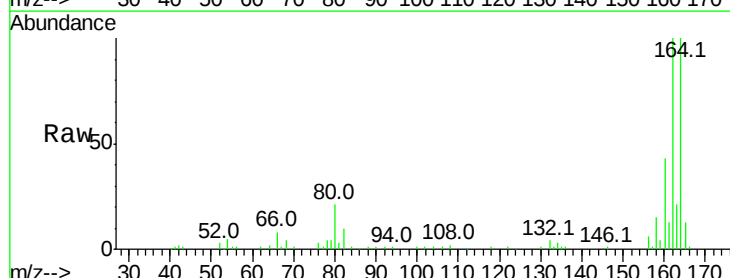
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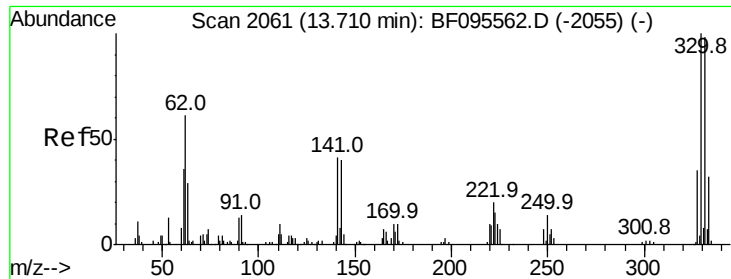
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.6	123.8
160	43.2	36.2	54.2





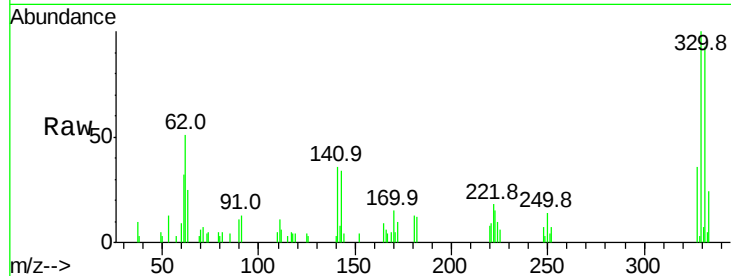
#41
 2,4,6-Tribromophenol
 Concen: 18.17 ng
 RT: 13.70 min Scan# 2043
 Delta R.T. 0.01 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-060117

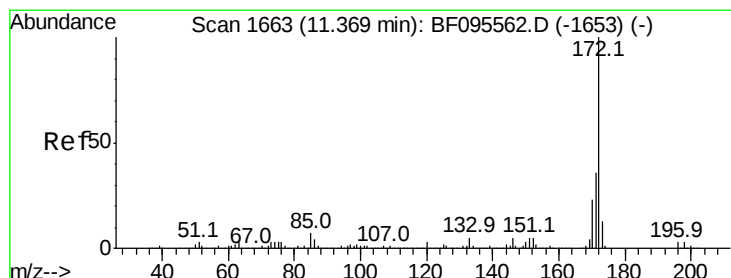
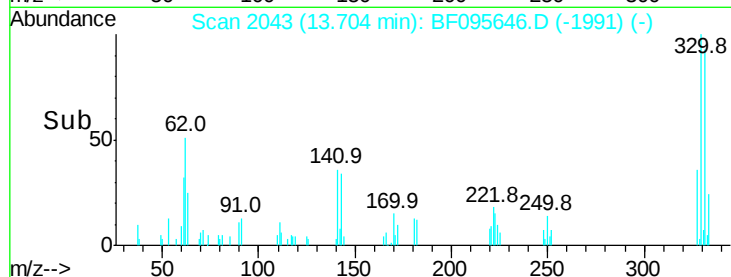
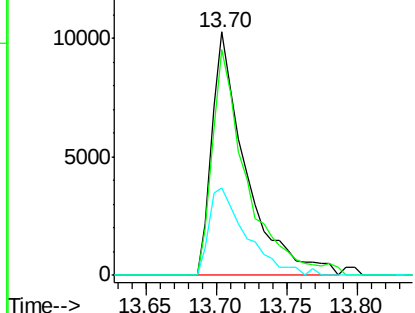
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	76.6	115.0
141	39.3	31.4	47.2

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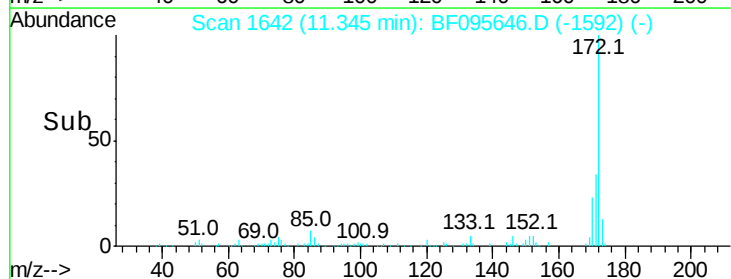
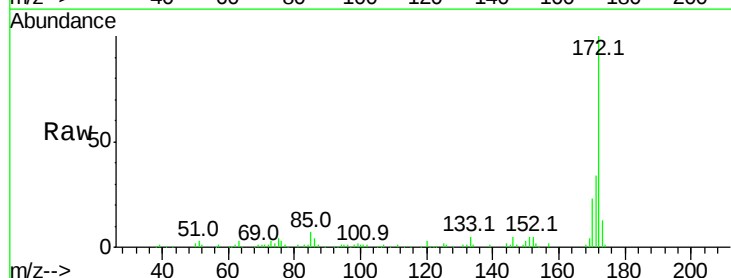
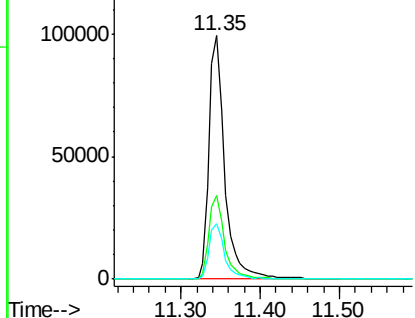
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

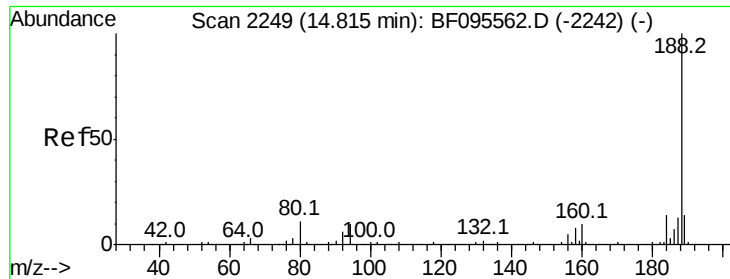


#44
 2-Fluorobiphenyl
 Concen: 17.02 ng
 RT: 11.35 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.6	44.4
170	22.8	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





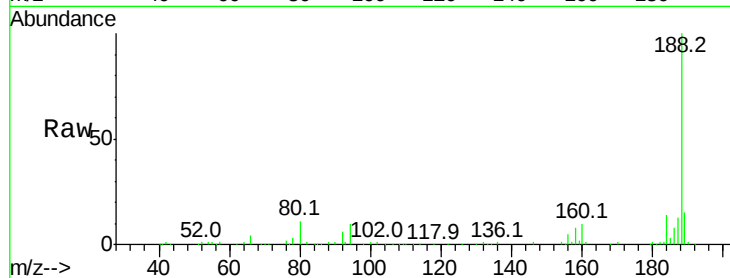
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampleId :
OK-02-060117

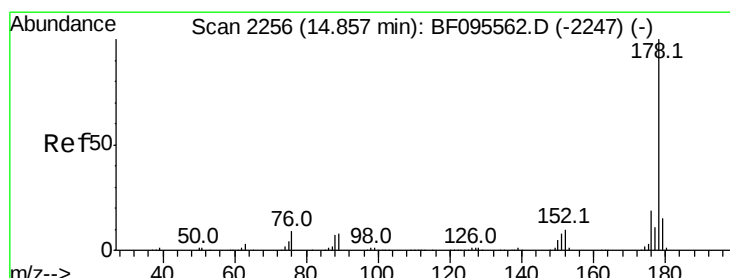
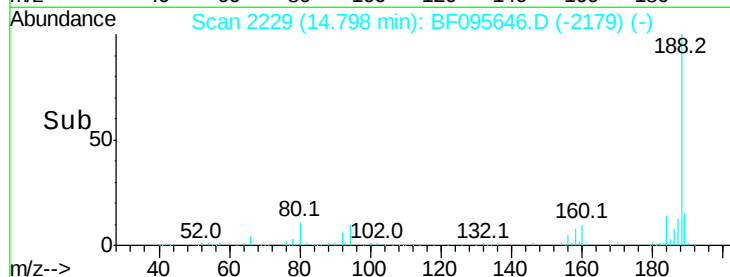
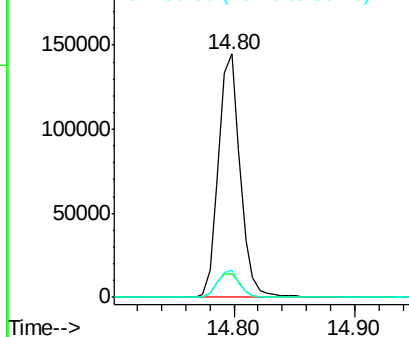
Tot Ion	Ratio	Resp	Lower	Upper
188	100	179884		
94	9.6		9.4	14.2
80	11.0		10.2	15.2

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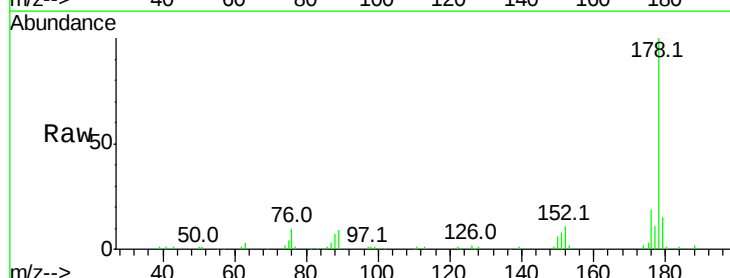


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

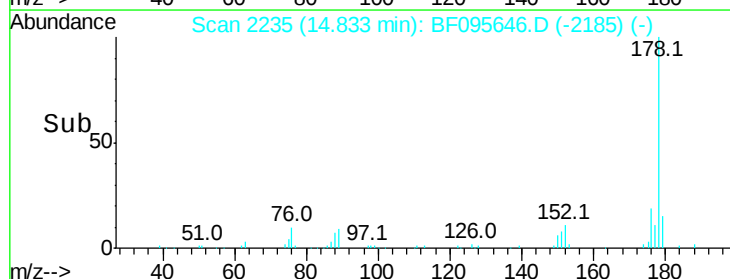
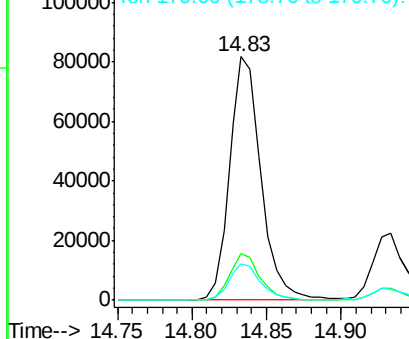


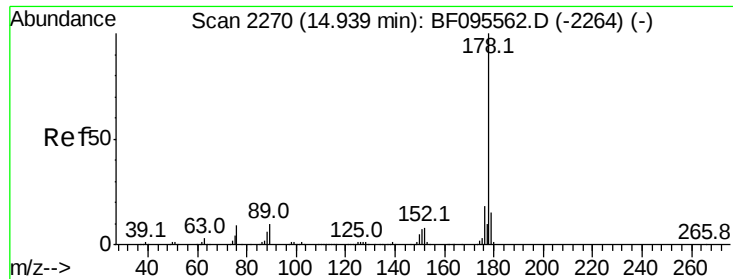
#70
Phenanthrene
Concen: 11.63 ng
RT: 14.83 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	120247		
176	19.0		16.2	24.4
179	14.8		12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





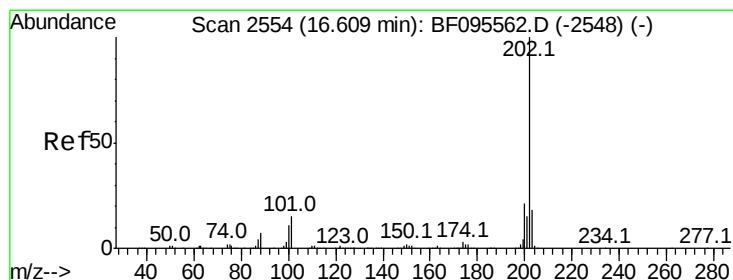
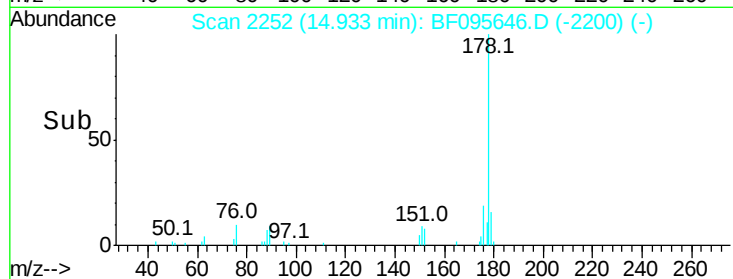
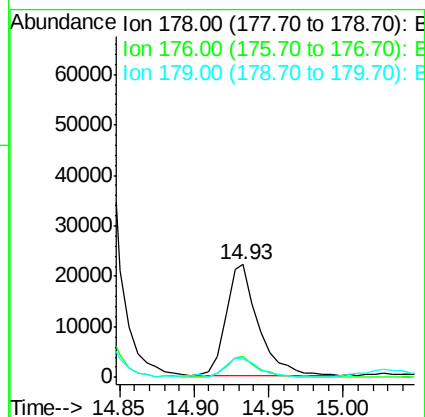
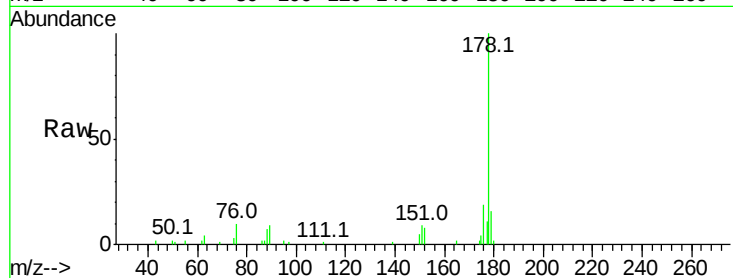
#71
 Anthracene
 Concen: 3.19 ng
 RT: 14.93 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-060117

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	16.2	12.7	19.1

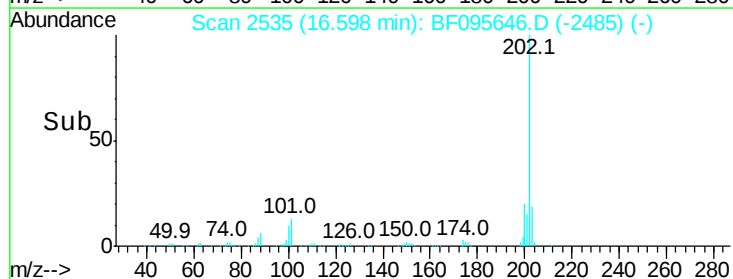
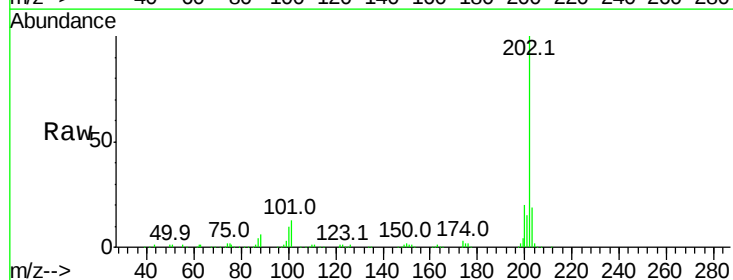
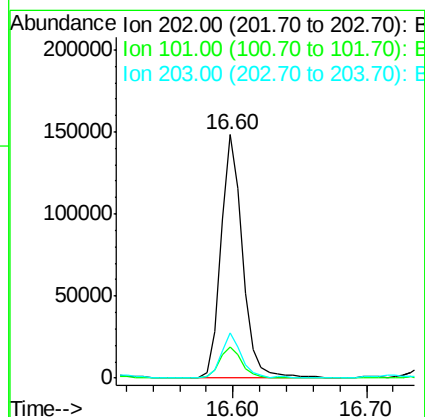
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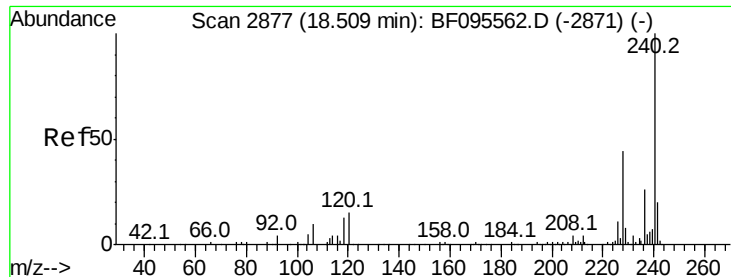
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#74
 Fluoranthene
 Concen: 16.04 ng
 RT: 16.60 min Scan# 2535
 Delta R.T. -0.01 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	18.7	0.0	38.1





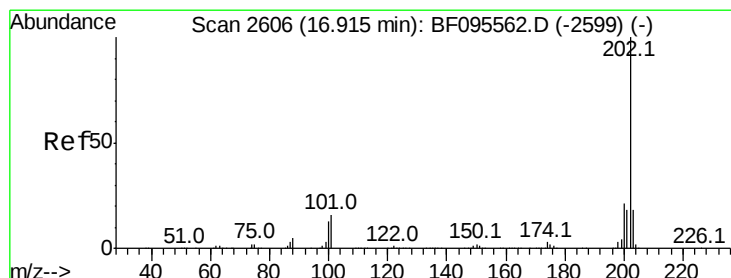
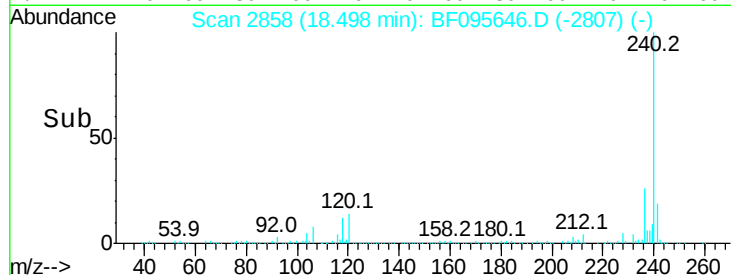
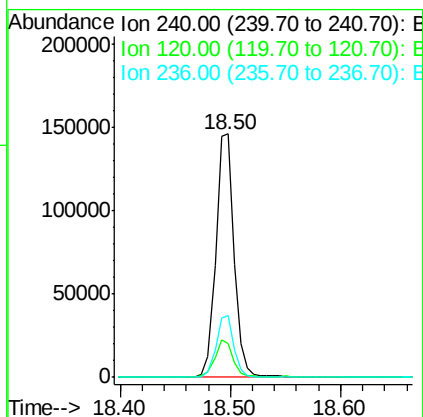
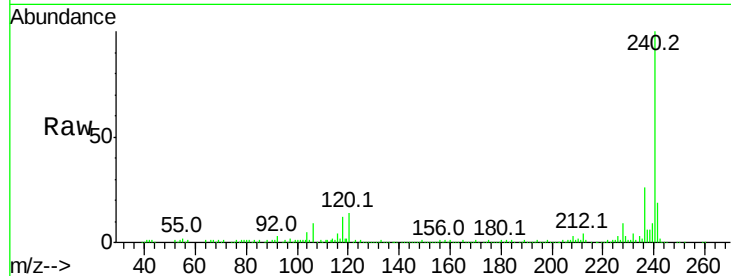
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.50 min Scan# 2858
Delta R.T. 0.00 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampleId :
OK-02-060117

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	25.5	20.5	30.7

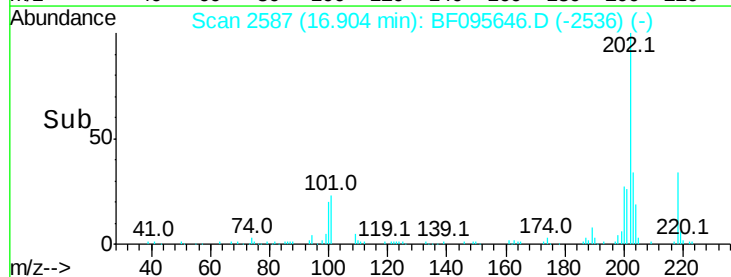
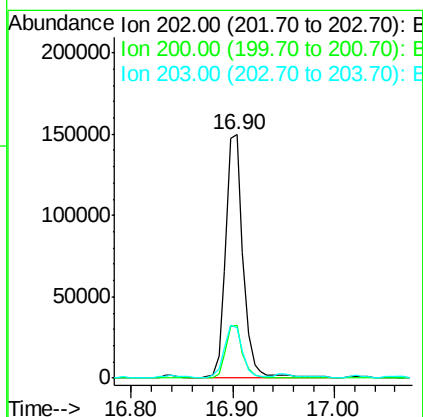
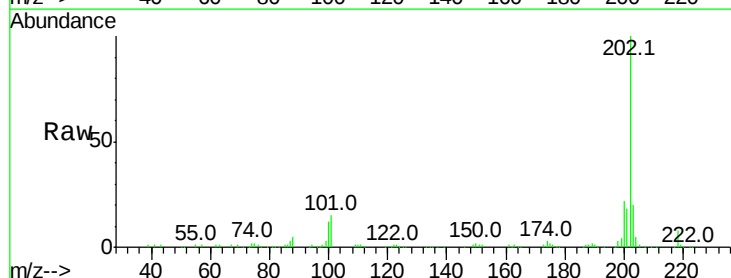
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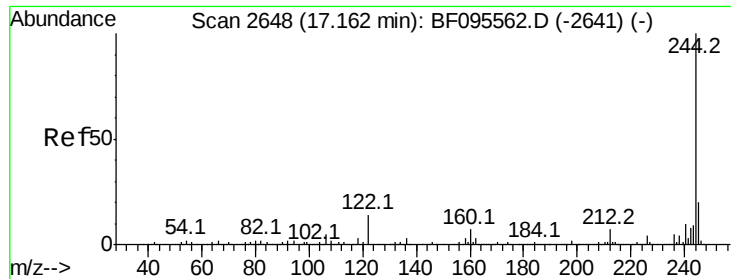
mohammad
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#77
Pyrene
Concen: 14.15 ng
RT: 16.90 min Scan# 2587
Delta R.T. 0.00 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	20.4	14.4	21.6





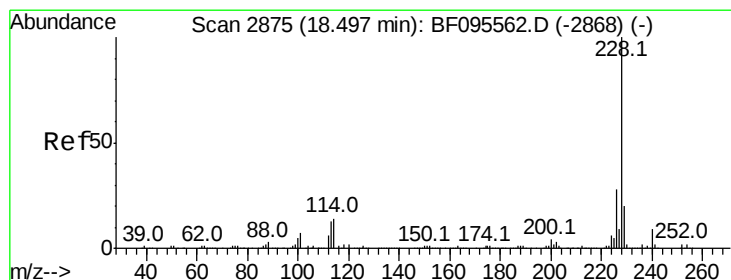
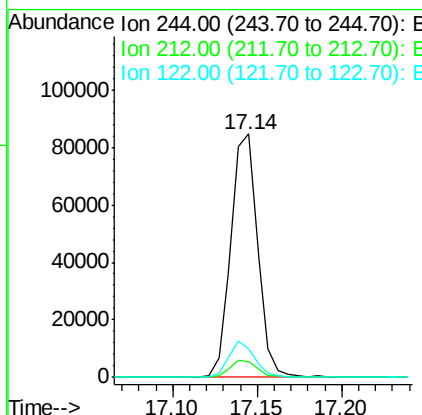
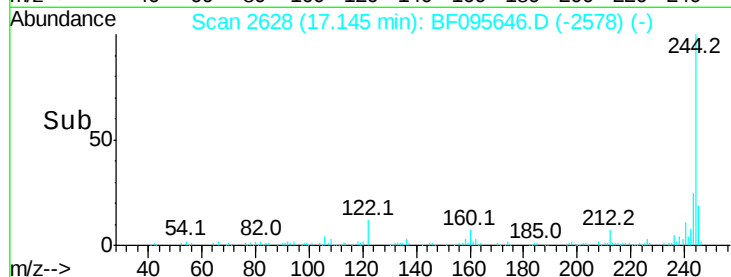
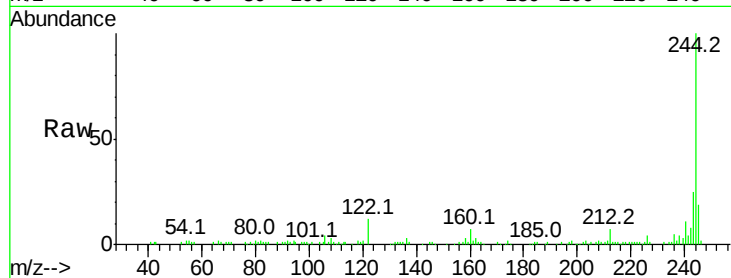
#78
 Terphenyl-d14
 Concen: 12.24 ng
 RT: 17.14 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-060117

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	12.0	10.3	15.5

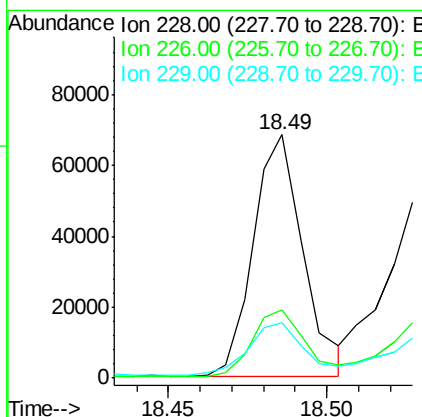
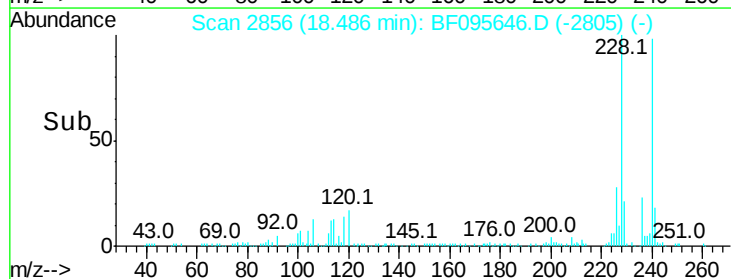
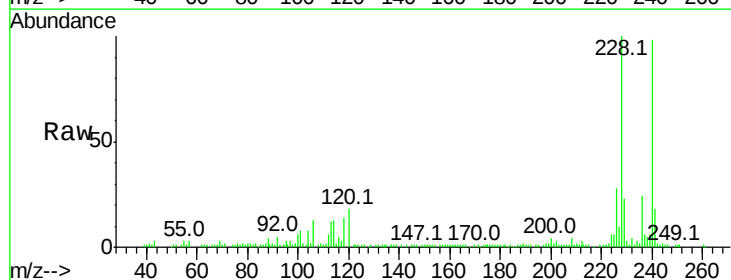
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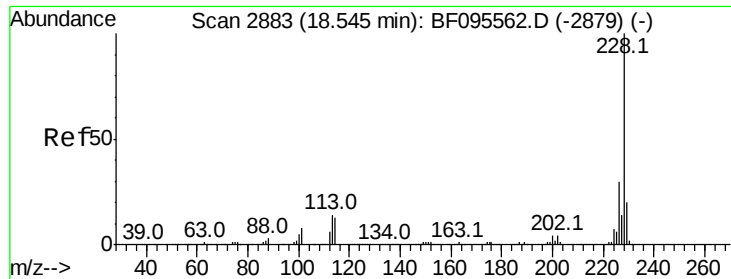
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#80
 Benzo(a)anthracene
 Concen: 7.67 ng
 RT: 18.49 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	22.6	16.3	24.5





#82

Chrysene

Concen: 8.12 ng

RT: 18.53 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Instrument :

BNA_F

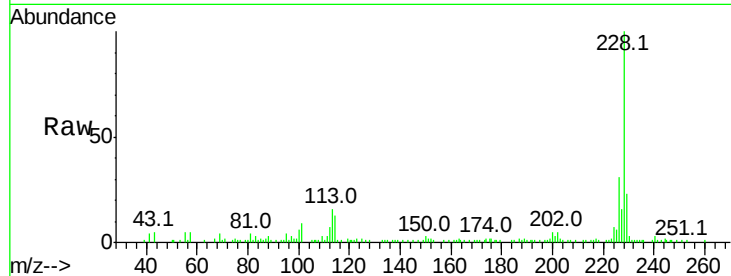
ClientSampleId :

OK-02-060117

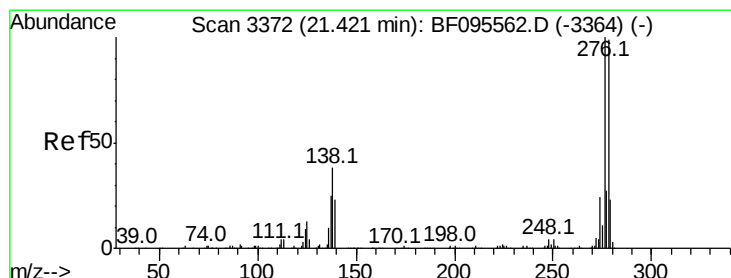
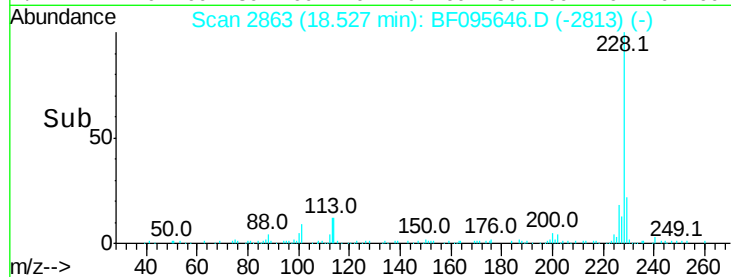
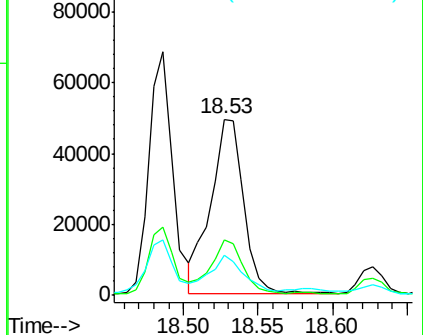
Tot Ion:	228	Resp:	76725
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.9	37.3
229	22.6	15.8	23.6

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.72 ng

RT: 21.43 min Scan# 3357

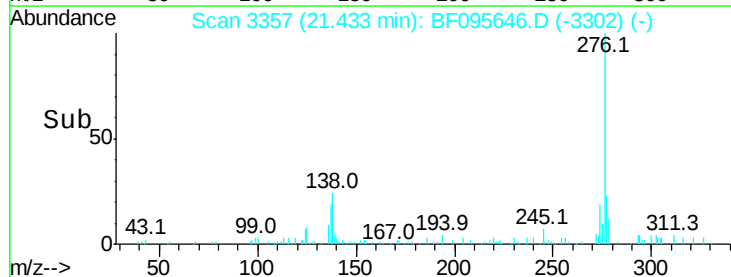
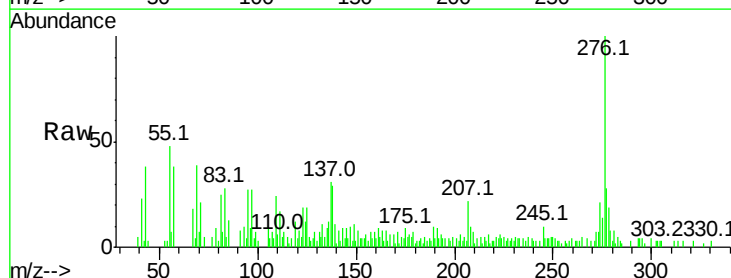
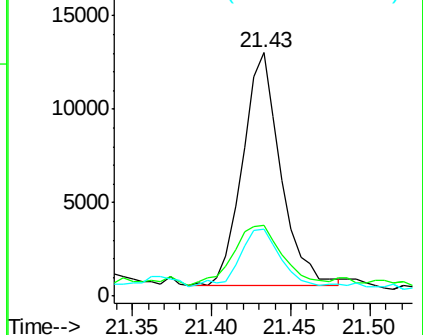
Delta R.T. 0.02 min

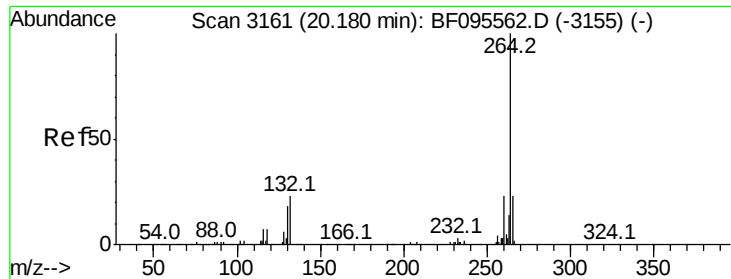
Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Tgt Ion:	276	Resp:	20873
Ion Ratio	Lower	Upper	
276	100		
138	32.7	27.8	41.6
277	26.8	20.2	30.4

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





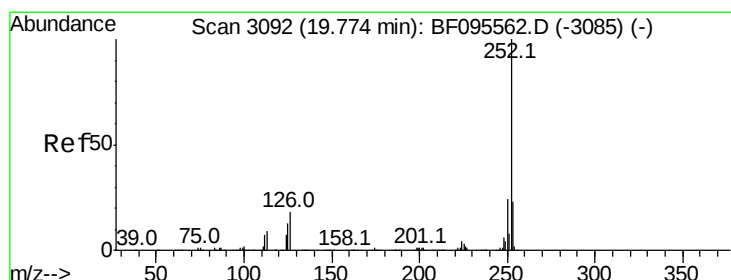
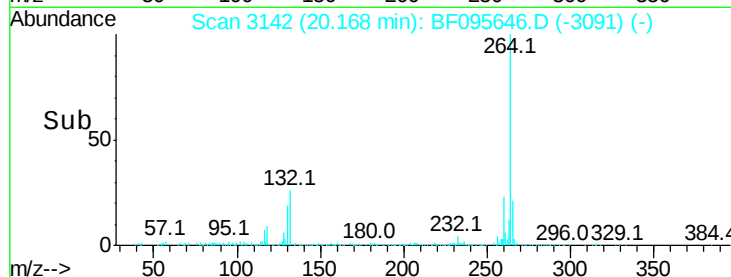
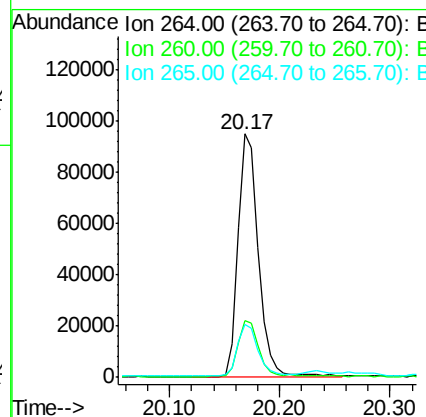
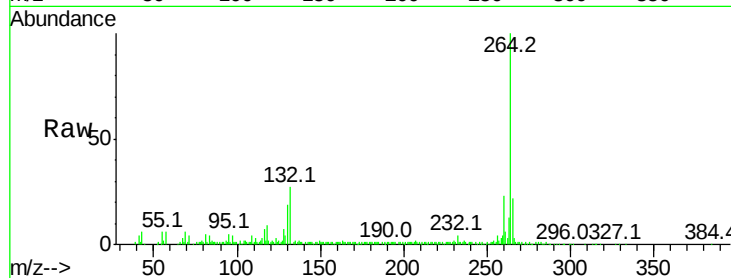
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.17 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampleId :
OK-02-060117

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.7	17.2	25.8

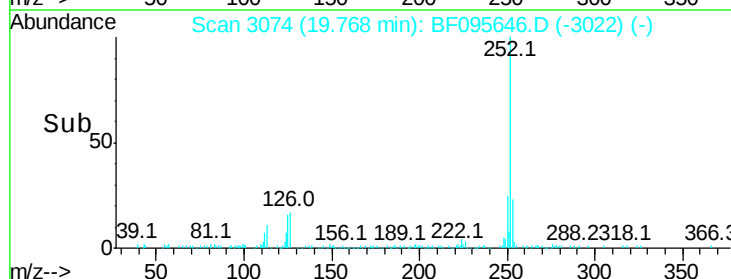
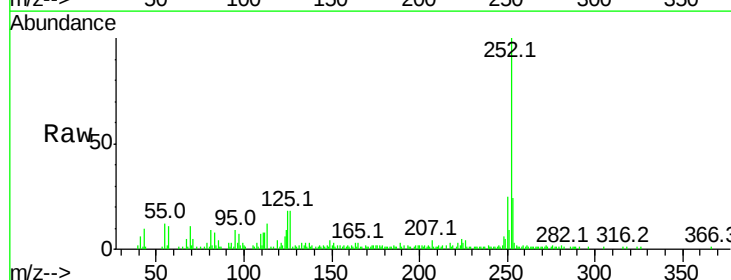
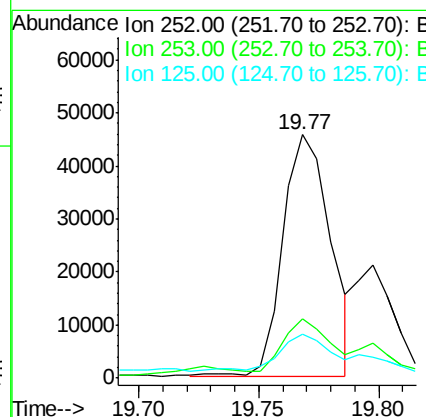
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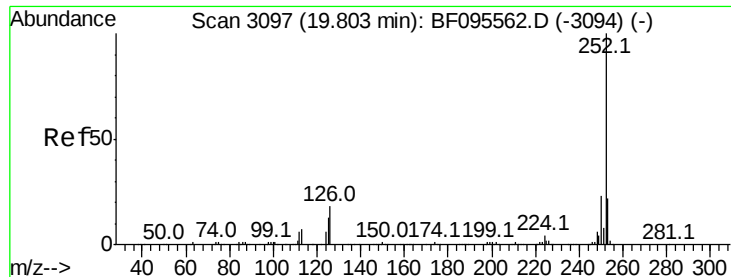
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#87
Benzo(b)fluoranthene
Concen: 8.21 ng m
RT: 19.77 min Scan# 3074
Delta R.T. 0.01 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	18.3	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 3.32 ng/mL

RT: 19.80 min Scan# 3079

Delta R.T. 0.01 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Instrument :

BNA_F

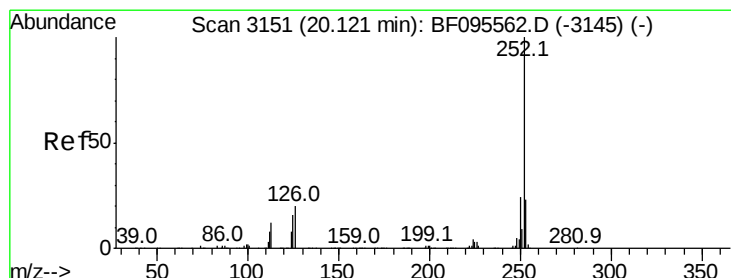
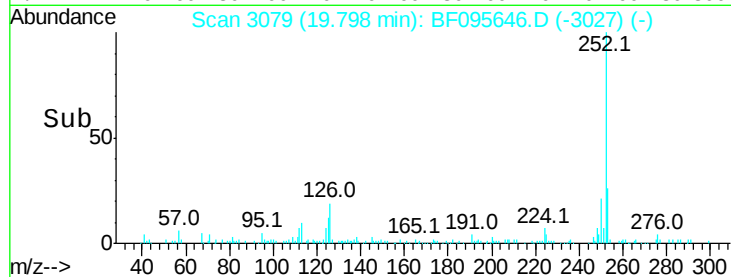
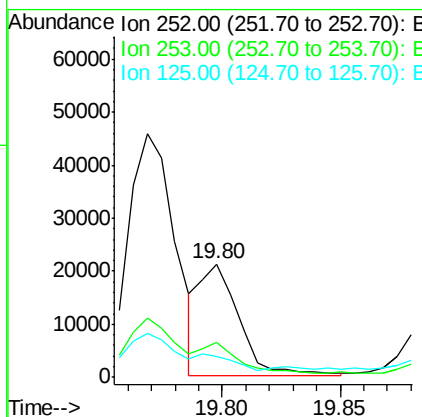
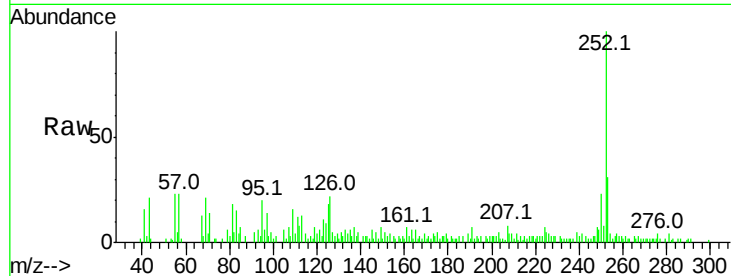
ClientSampleId :

OK-02-060117

Tot Ion:	252	Resp:	24752
Ion Ratio	Lower	Upper	
252	100		
253	30.7	18.4	27.6#
125	18.0	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 6.51 ng/mL

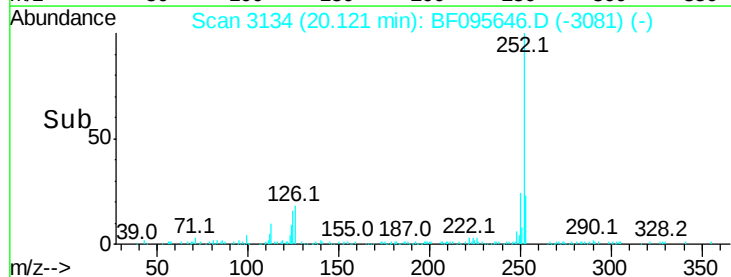
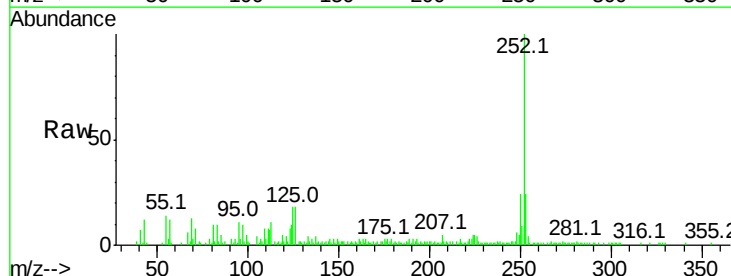
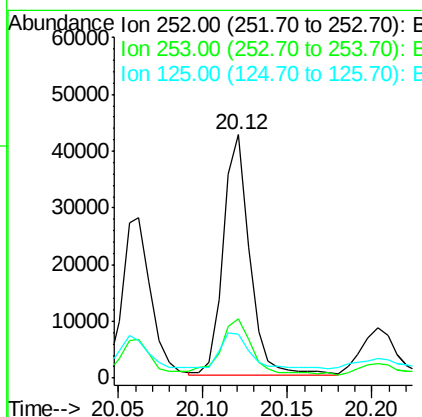
RT: 20.12 min Scan# 3134

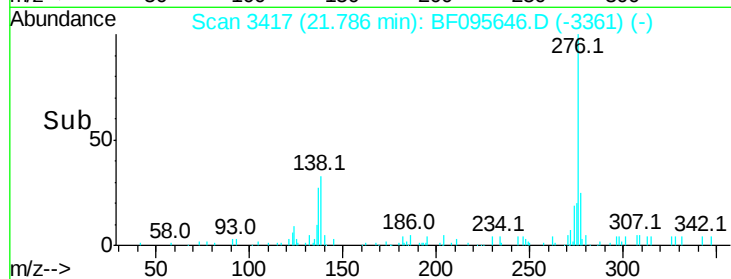
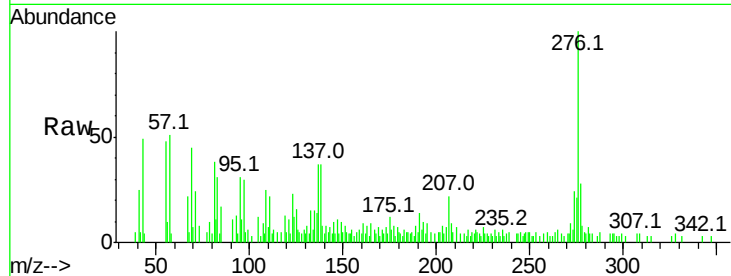
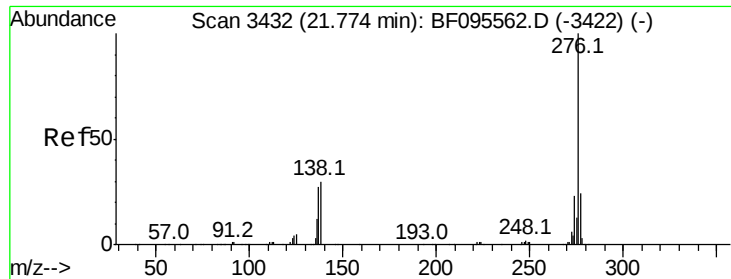
Delta R.T. 0.01 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Tgt Ion:	252	Resp:	46463
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.5	26.3
125	18.3	11.0	16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.72 ng

RT: 21.79 min Scan# 3417

Delta R.T. 0.03 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Instrument :

BNA_F

ClientSampleId :

OK-02-060117

Tot Ion:276 Resp: 21528

Ion Ratio Lower Upper

276 100

277 28.2 18.6 28.0#

138 36.6 25.4 38.0

Manual Integrations

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