

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095936.D
 Acq On : 14 Jun 2017 22:29
 Operator : SJ/MA
 Sample : I3660-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-132

Manual Integrations
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Quant Time: Jun 15 02:42:15 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	7.33	152	72782	20.00	ng	-0.06
21) Naphthalene-d8	9.37	136	297421	20.00	ng	-0.06
38) Acenaphthene-d10	12.19	164	124397	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	186507	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	146370	20.00	ng	-0.06
86) Perylene-d12	19.97	264	118161	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	206169	45.14	ng	-0.05
7) Phenol-d6	6.91	99	260378	47.62	ng	-0.05
23) Nitrobenzene-d5	8.26	82	156815	32.74	ng	-0.06
41) 2,4,6-Tribromophenol	13.48	330	87963	79.92	ng	-0.07
44) 2-Fluorobiphenyl	11.15	172	428146	47.89	ng	-0.07
78) Terphenyl-d14	16.96	244	460132	78.02	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	11.84	163	74059	7.84	ng	100
70) Phenanthrene	14.62	178	121715	11.31	ng	96
71) Anthracene	14.72	178	31305	2.79	ng	93
74) Fluoranthene	16.40	202	224210	21.05	ng	100
77) Pyrene	16.70	202	219014	20.05	ng	97
80) Benzo(a)anthracene	18.29	228	117377	13.79	ng	98
82) Chrysene	18.33	228	109037	12.82	ng	97
85) Indeno(1,2,3-cd)pyrene	21.14	276	46433	6.38	ng	94
87) Benzo(b)fluoranthene	19.57	252	121103m	16.37	ng	
88) Benzo(k)fluoranthene	19.60	252	42075m	5.95	ng	
89) Benzo(a)pyrene	19.92	252	87037	12.80	ng	96
90) Dibenzo(a,h)anthracene	21.14	278	14343m	2.49	ng	
91) Benzo(a,h,i)perylene	21.48	276	42896	7.29	ng	96

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

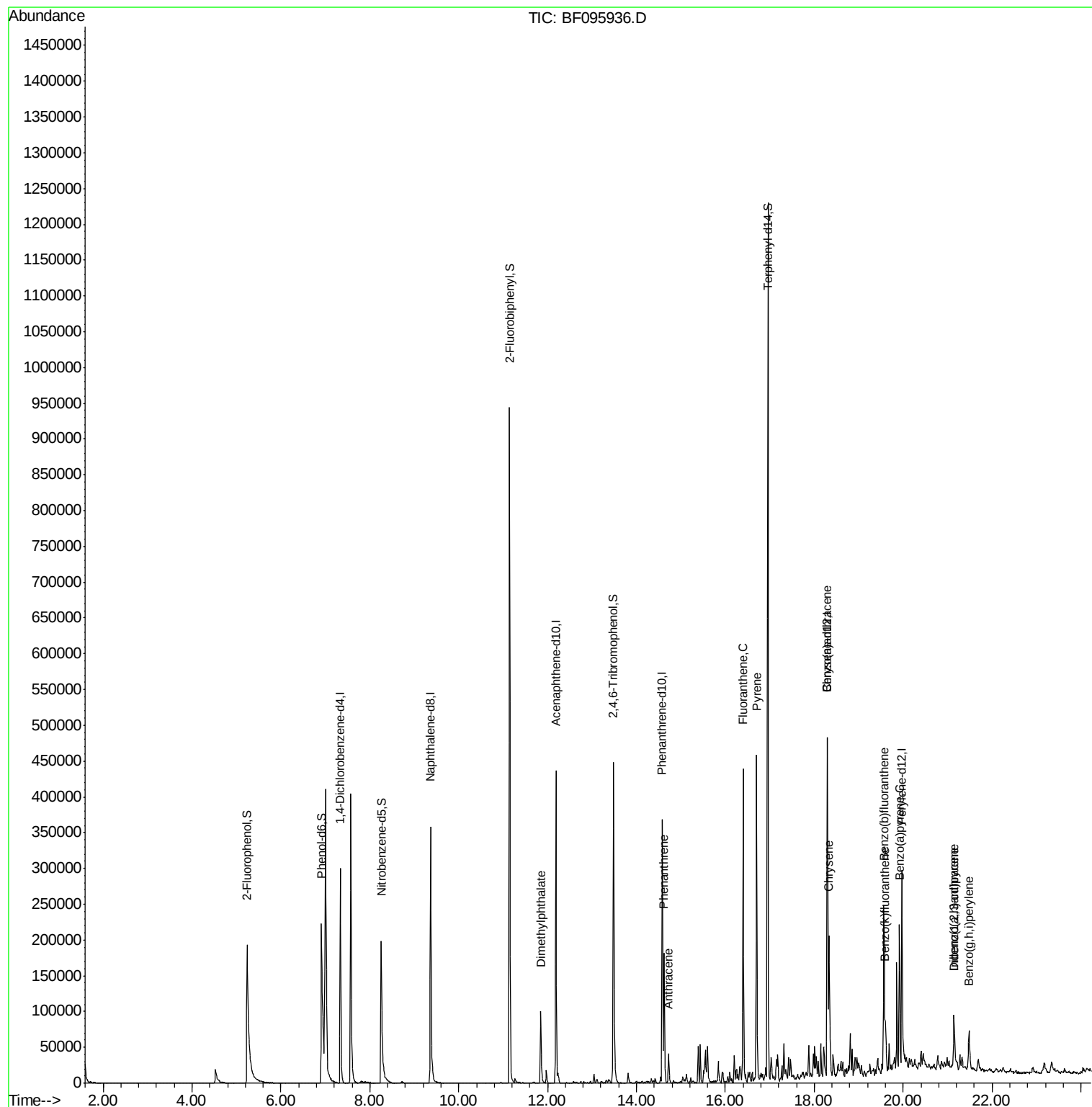
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
Data File : BF095936.D
Acq On : 14 Jun 2017 22:29
Operator : SJ/MA
Sample : I3660-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

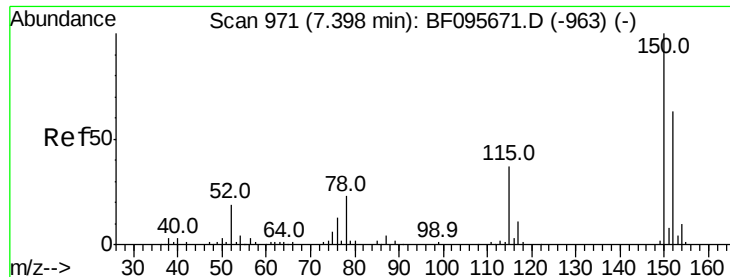
Instrument :
BNA_F
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RO-132

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Quant Time: Jun 15 02:42:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

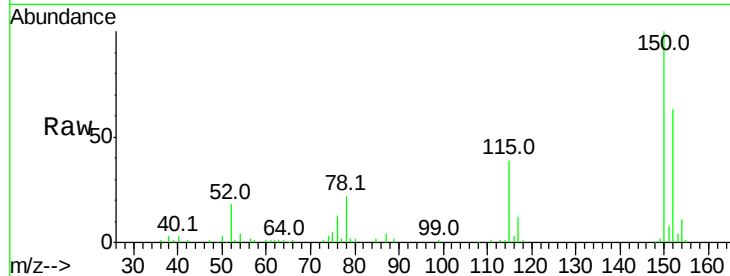
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampleId :
RO-132

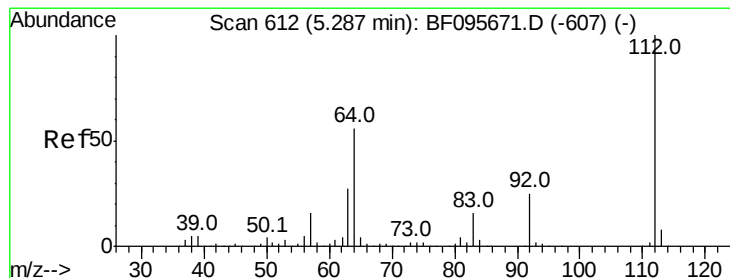
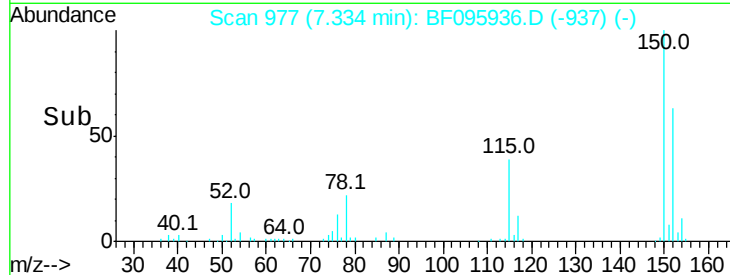
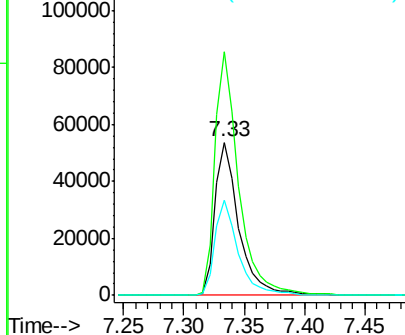
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	61.9	52.2	78.2

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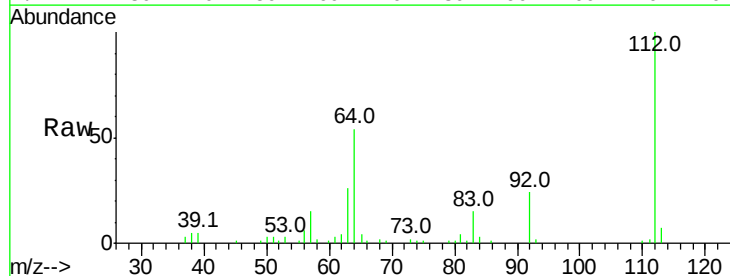
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



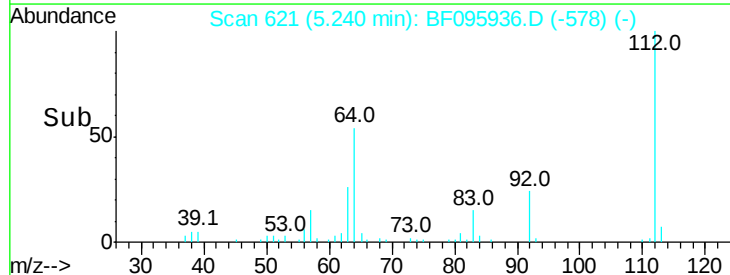
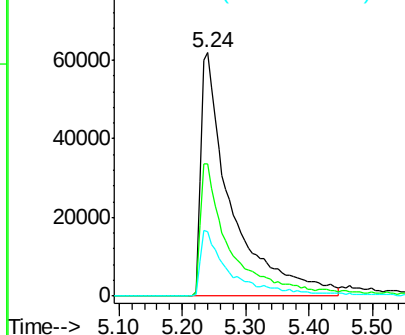
#5

2-Fluorophenol
Concen: 45.14 ng
RT: 5.24 min Scan# 621
Delta R.T. -0.05 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	26.4	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: 47.62 ng

RT: 6.91 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Instrument :

BNA_F

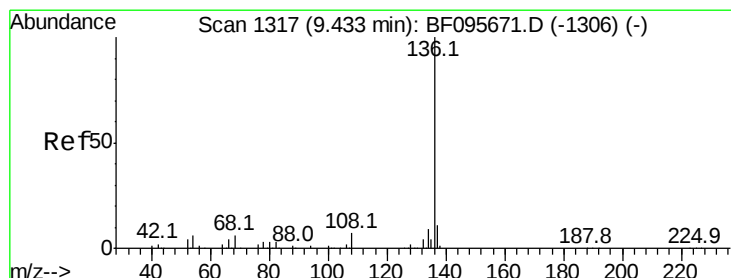
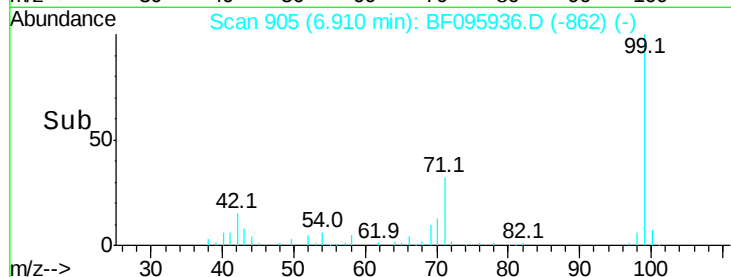
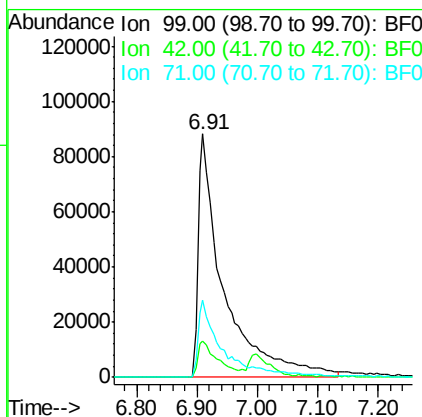
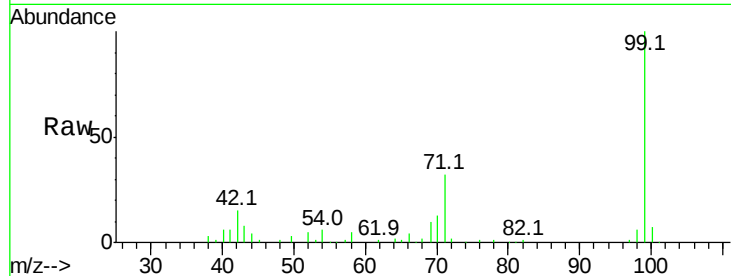
ClientSampled :

RO-132

Tot Ion:	99	Resp:	260378
Ion Ratio	Lower	Upper	
99	100		
42	14.7	13.5	20.3
71	31.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

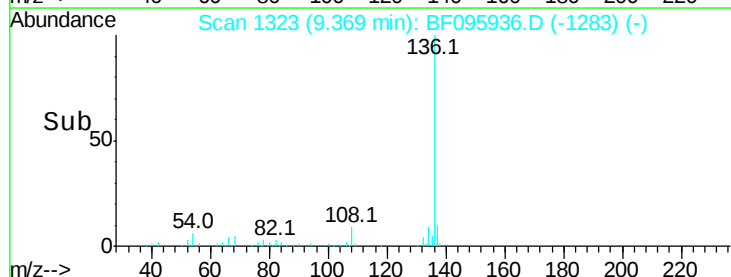
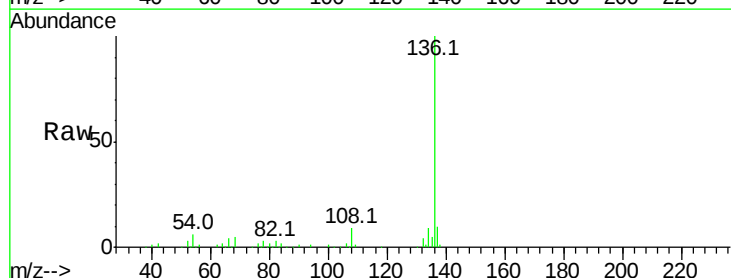
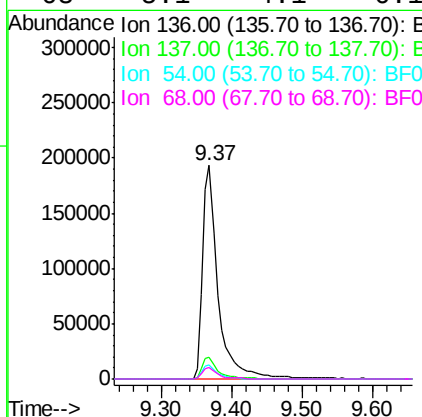
RT: 9.37 min Scan# 1323

Delta R.T. -0.06 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Tgt Ion:	136	Resp:	297421
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.5	12.7
54	6.4	4.9	7.3
68	5.1	4.1	6.1





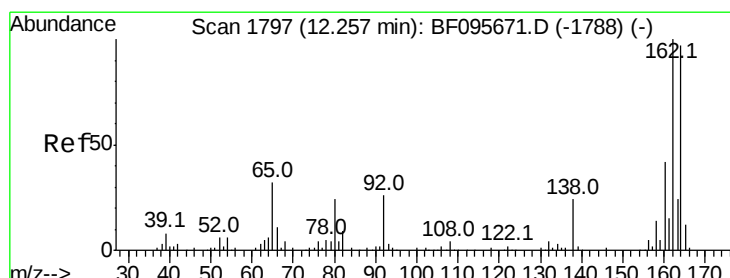
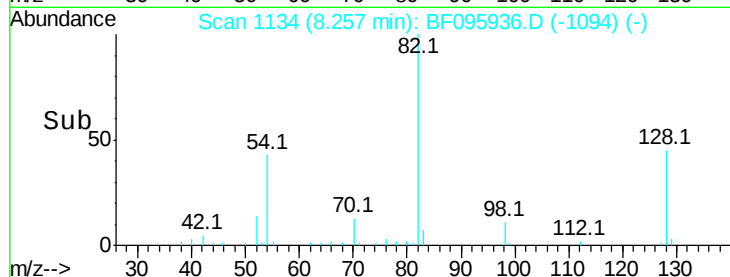
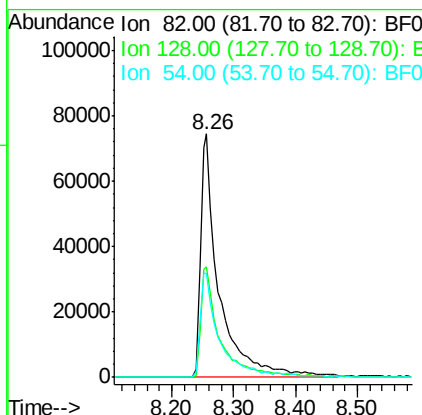
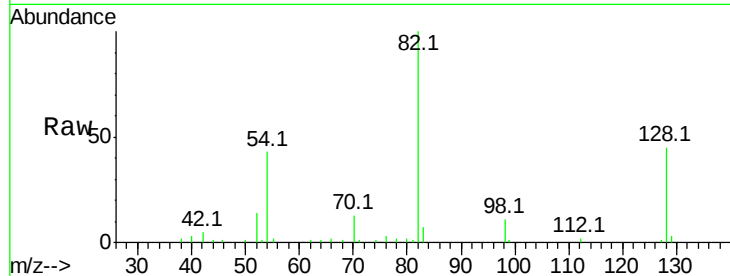
#23
 Nitrobenzene-d5
 Concen: 32.74 ng
 RT: 8.26 min Scan# 1134
 Delta R.T. -0.06 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Instrument :
 BNA_F
 ClientSampled :
 RO-132

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	34.0	51.0	
54	42.8	42.2	63.2	

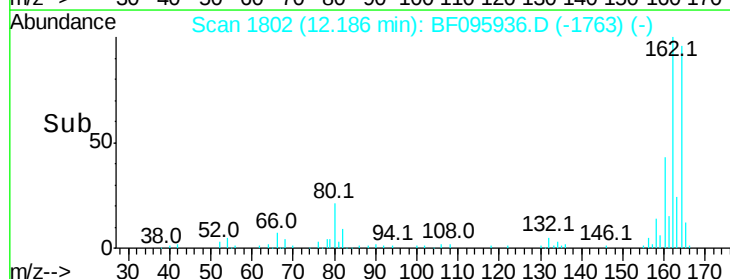
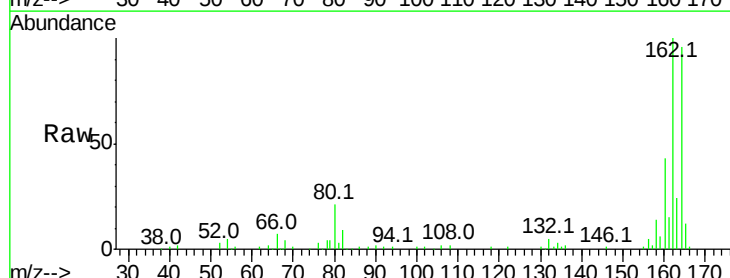
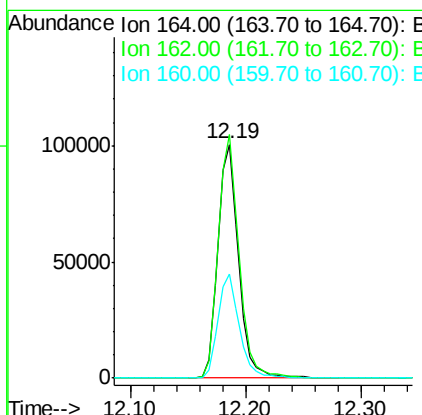
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.19 min Scan# 1802
 Delta R.T. -0.07 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.3	82.6	123.8	
160	44.6	36.2	54.2	





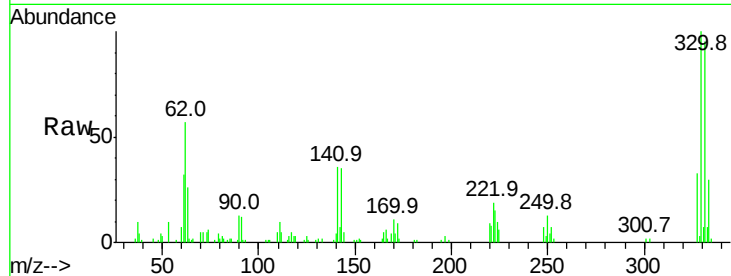
#41
 2,4,6-Tribromophenol
 Concen: 79.92 ng
 RT: 13.48 min Scan# 2022
 Delta R.T. -0.07 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 RO-132

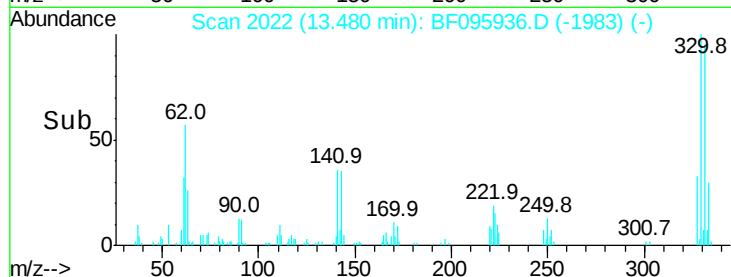
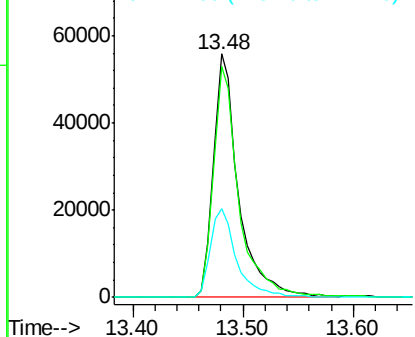
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.6	115.0	
141	37.5	31.4	47.2	

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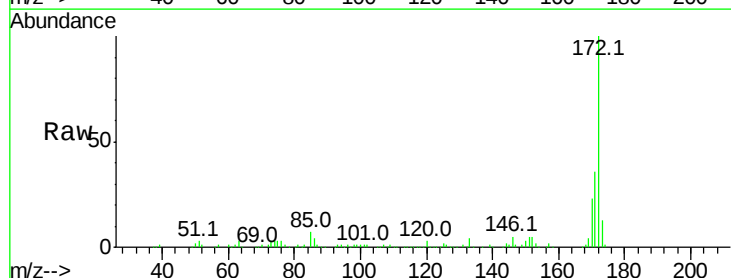


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

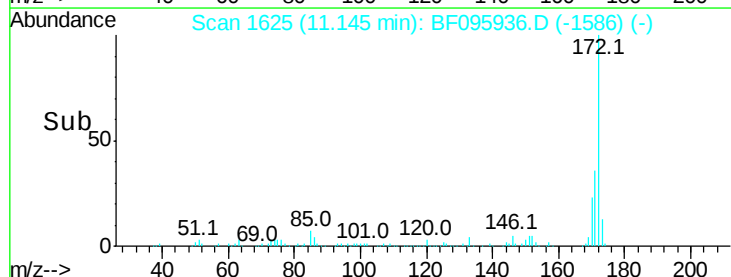
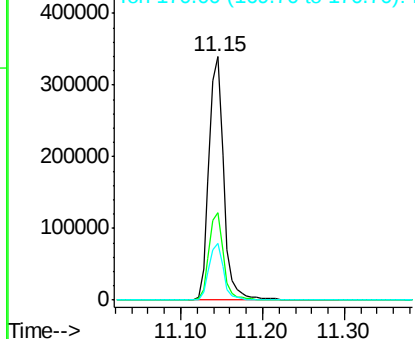


#44
 2-Fluorobiphenyl
 Concen: 47.89 ng
 RT: 11.15 min Scan# 1625
 Delta R.T. -0.07 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.6	44.4	
170	23.4	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





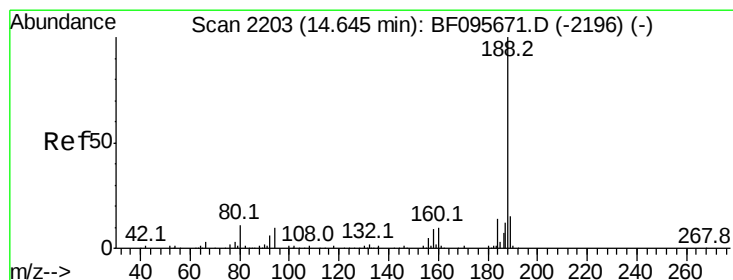
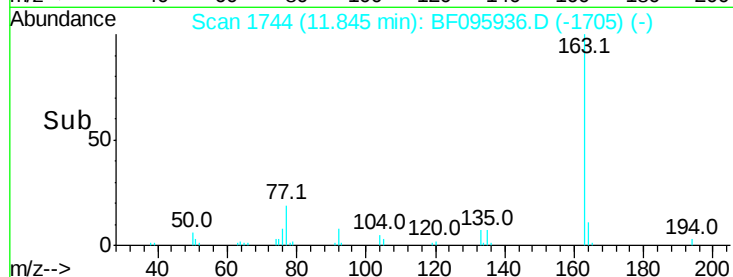
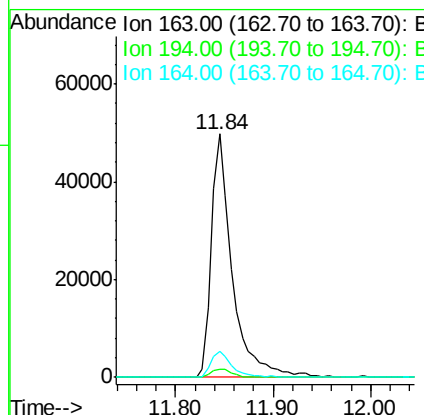
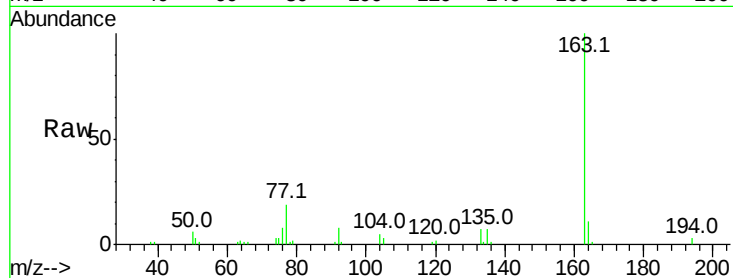
#49
Dimethylphthalate
Concen: 7.84 ng
RT: 11.84 min Scan# 1744
Delta R.T. -0.07 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampleId :
RO-132

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.6	8.4	12.6

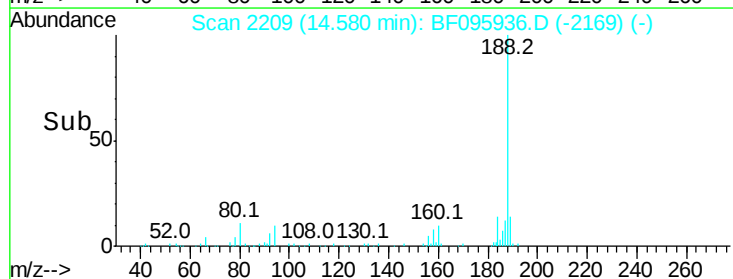
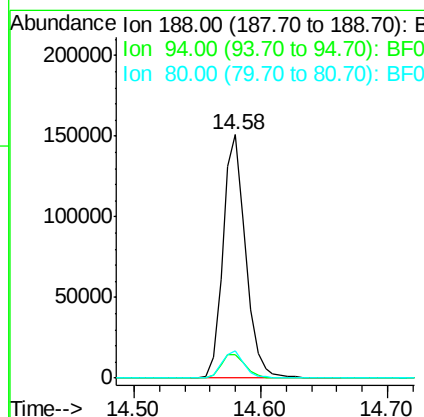
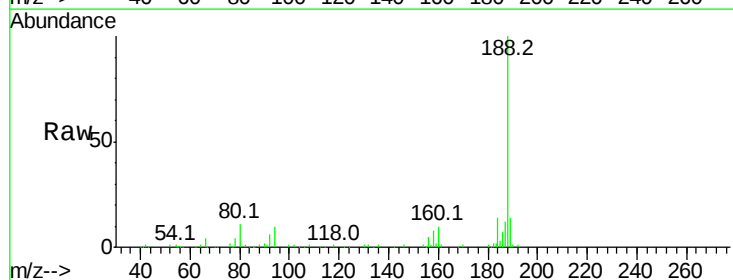
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.4	14.2
80	11.0	10.2	15.2





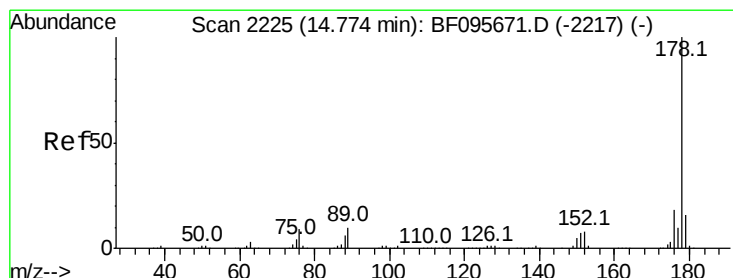
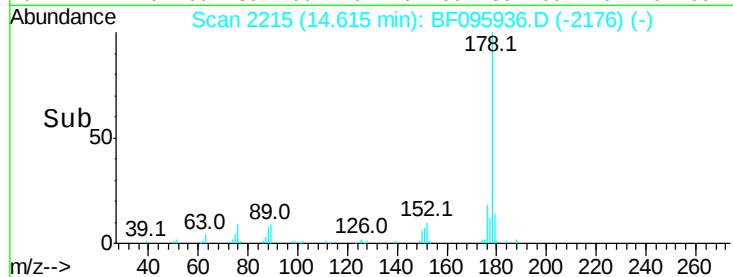
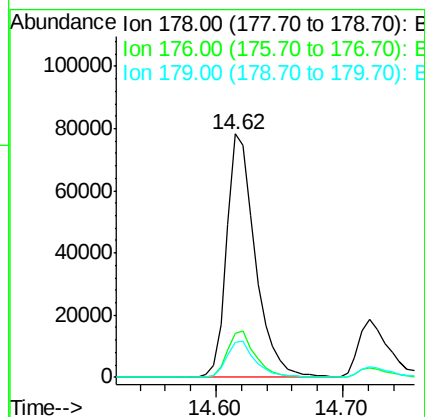
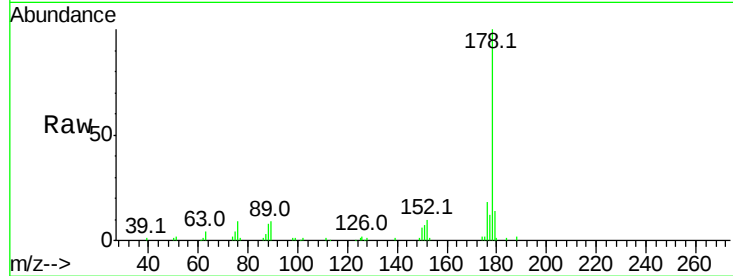
#70
Phenanthrene
Concen: 11.31 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.07 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampled :
RO-132

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.2	24.4
179	14.5	12.6	19.0

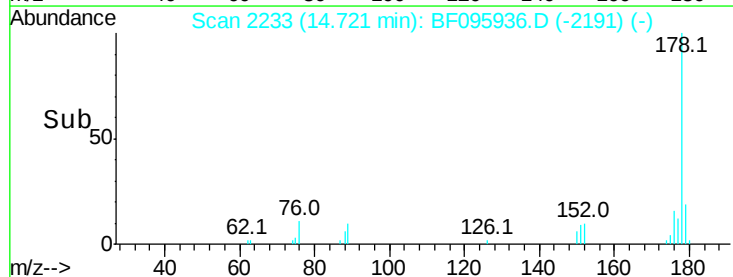
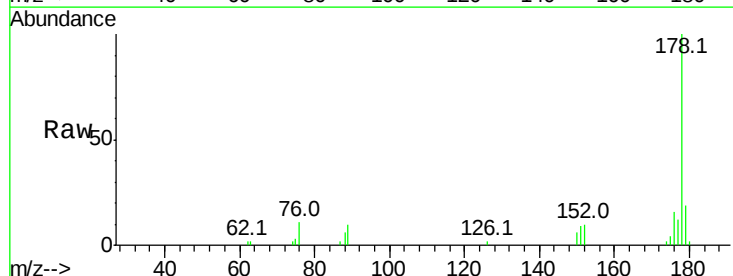
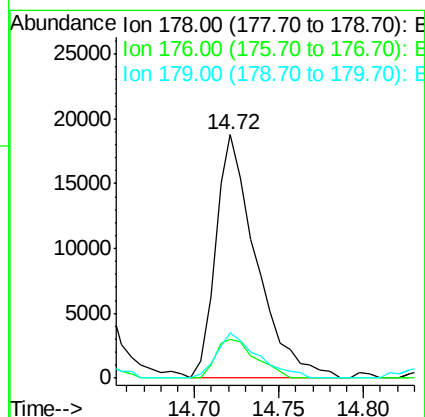
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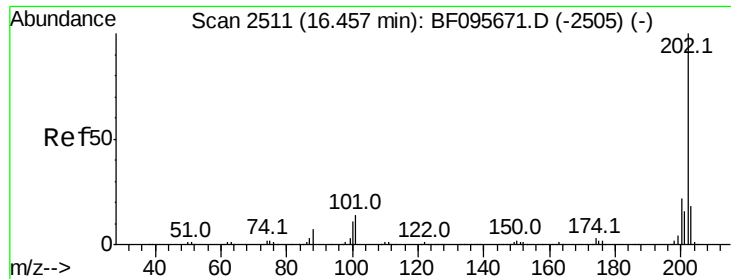
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#71
Anthracene
Concen: 2.79 ng
RT: 14.72 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.0	15.8	23.8
179	18.6	12.7	19.1





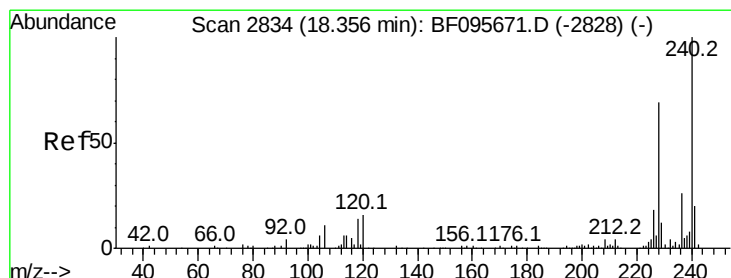
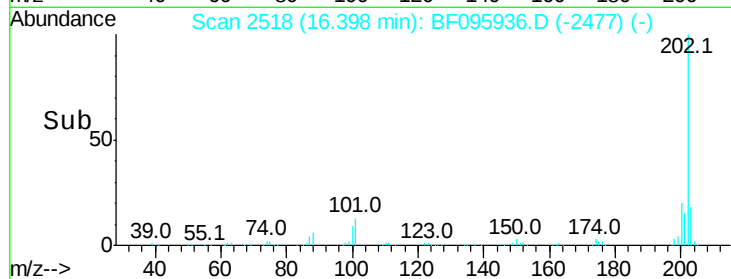
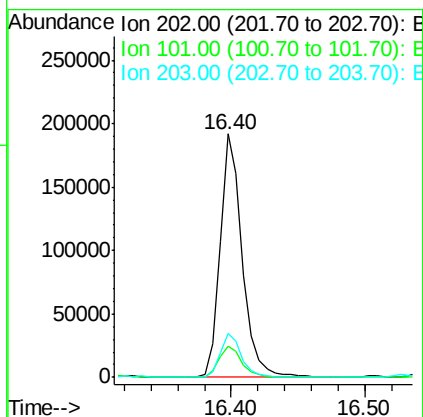
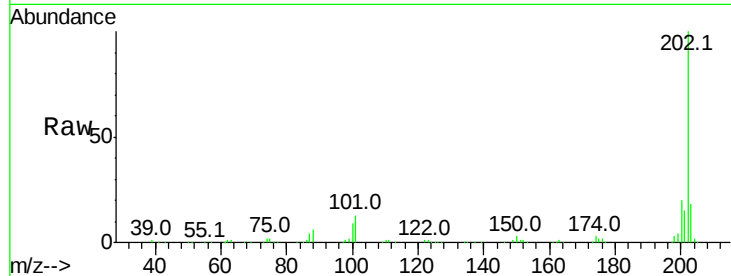
#74
 Fluoranthene
 Concen: 21.05 ng
 RT: 16.40 min Scan# 2518
 Delta R.T. -0.06 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Instrument :
 BNA_F
 ClientSampled :
 RO-132

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	33.2
203	18.0	0.0	38.1

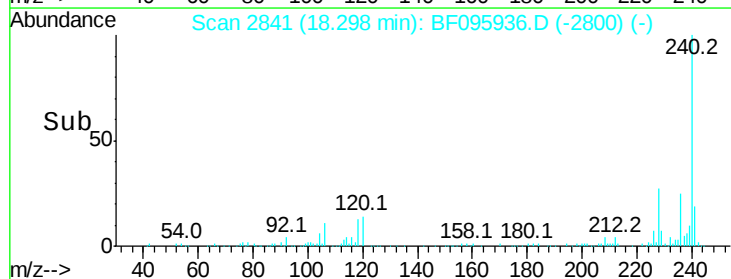
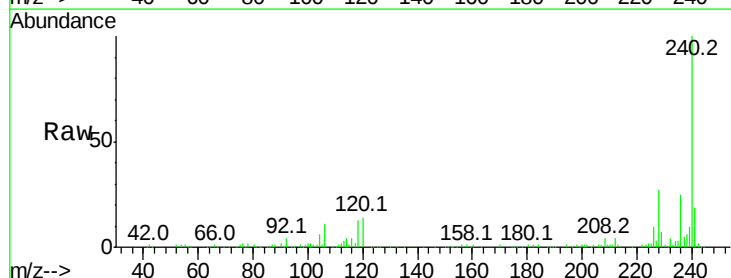
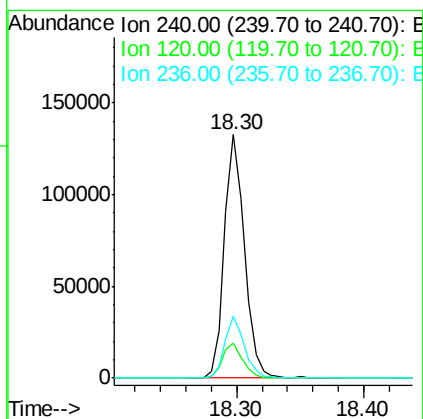
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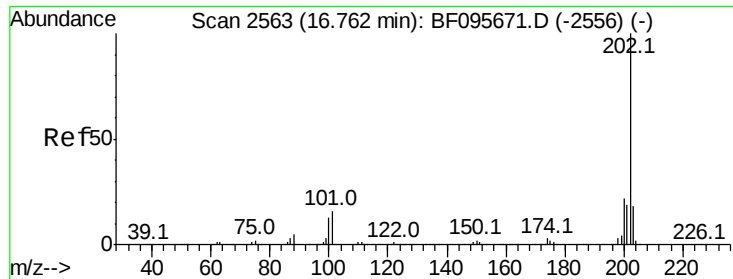
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.30 min Scan# 2841
 Delta R.T. -0.06 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	25.3	20.5	30.7





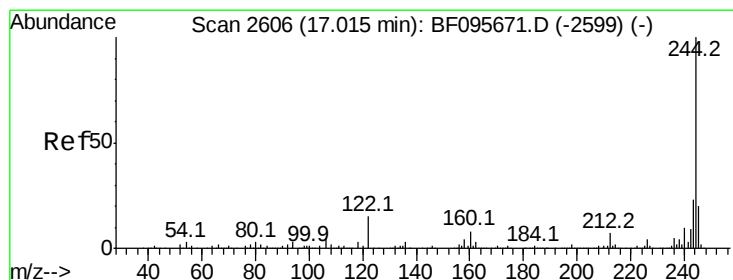
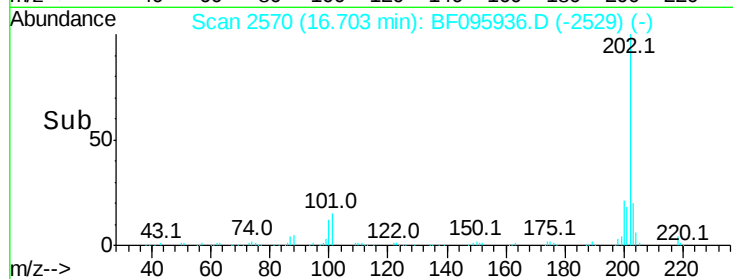
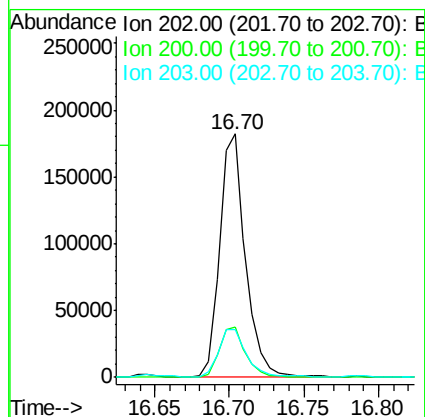
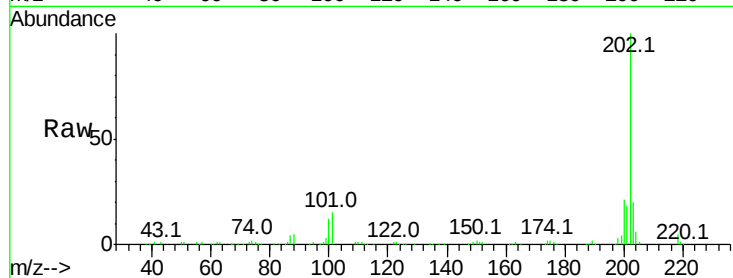
#77
Pvrene
Concen: 20.05 ng
RT: 16.70 min Scan# 2570
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampleId :
RO-132

Tot Ion:	202	Resp:	219014
Ion Ratio		Lower	Upper
202	100		
200	20.7	17.6	26.4
203	19.7	14.4	21.6

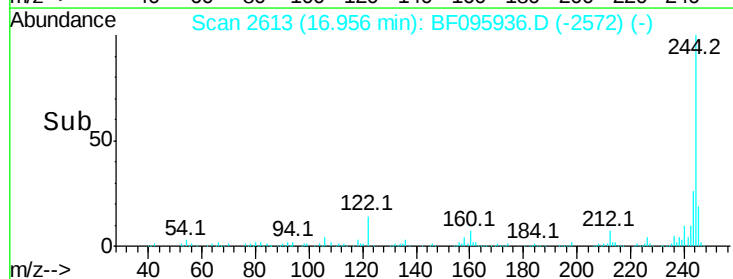
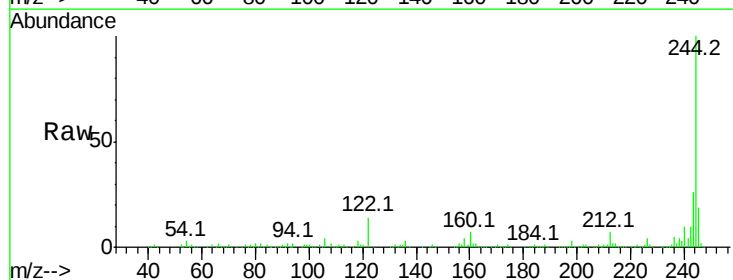
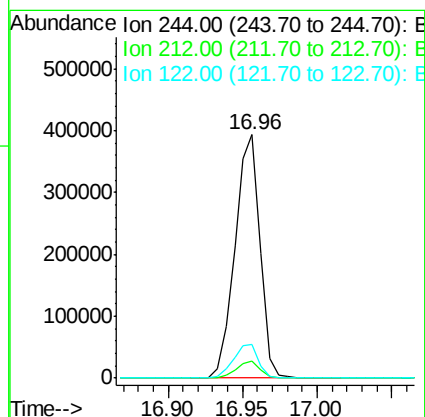
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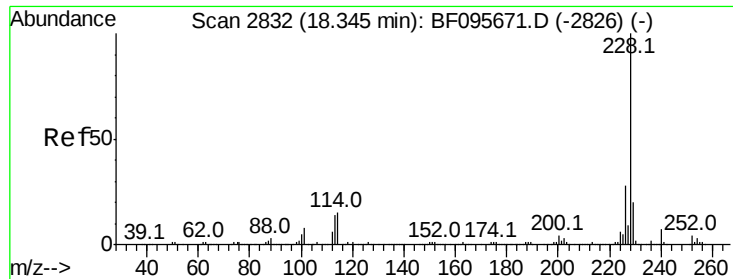
mohammad
6/15/2017 3:55:24 PM



#78
Terphenyl-d14
Concen: 78.02 ng
RT: 16.96 min Scan# 2613
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion:	244	Resp:	460132
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.8	10.3	15.5





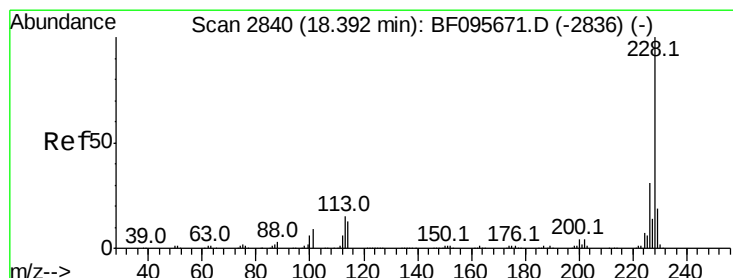
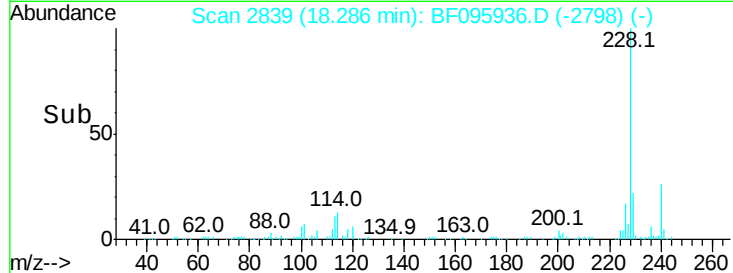
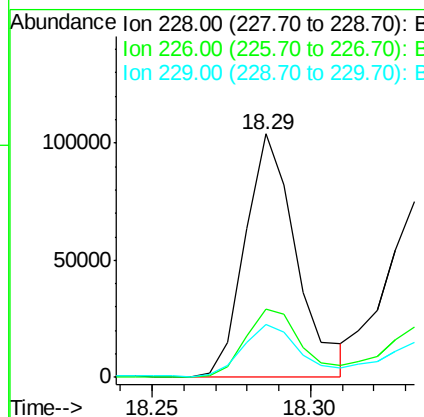
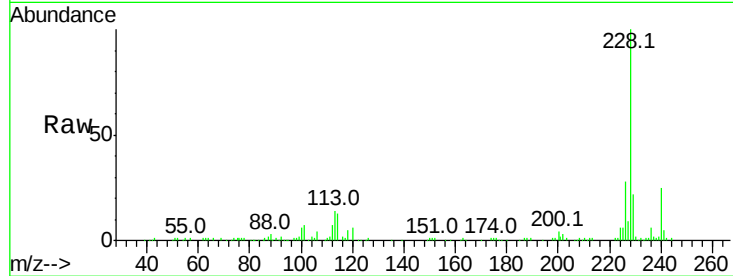
#80
Benzo(a)anthracene
Concen: 13.79 ng
RT: 18.29 min Scan# 2839
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampleId :
RO-132

Tot Ion:	228	Resp:	117377
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.6	33.8
229	21.9	16.3	24.5

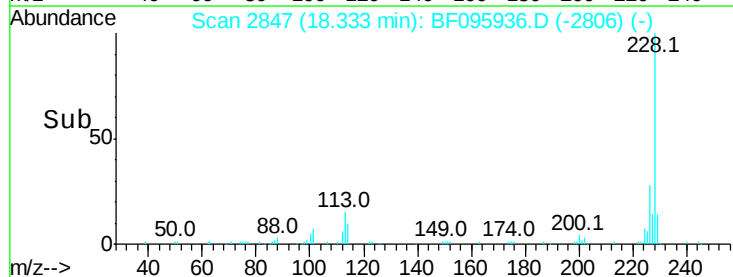
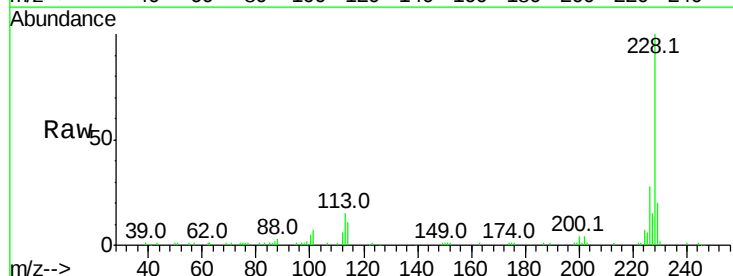
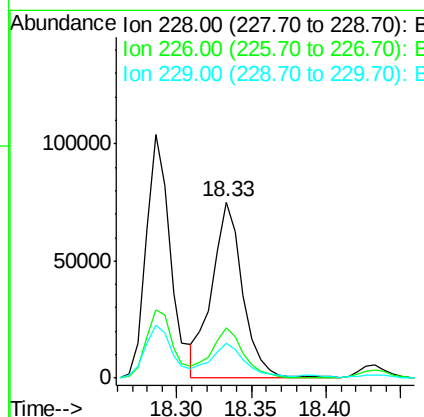
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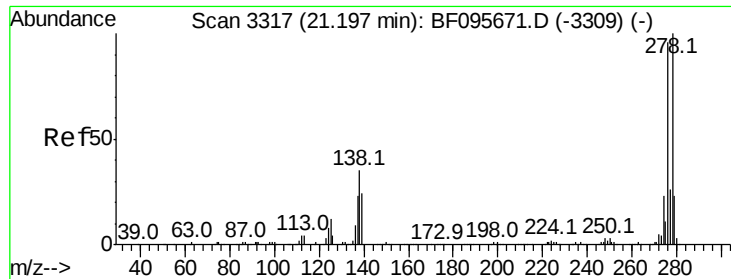
mohammad
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#82
Chrysene
Concen: 12.82 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion:	228	Resp:	109037
Ion Ratio	Lower	Upper	
228	100		
226	28.4	24.9	37.3
229	19.6	15.8	23.6





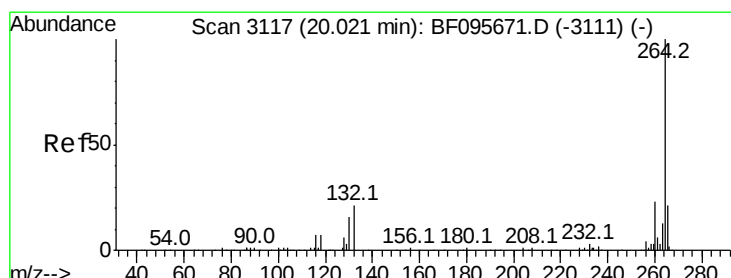
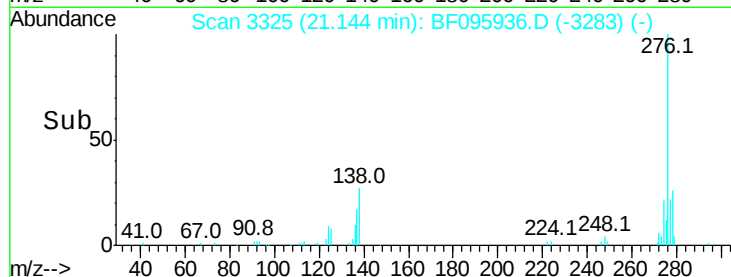
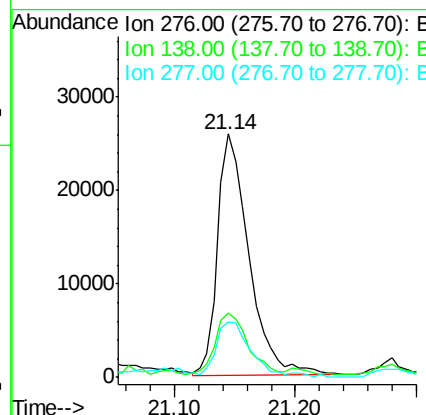
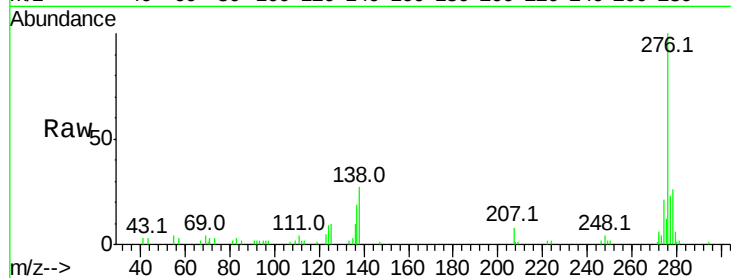
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.38 ng
 RT: 21.14 min Scan# 3325
 Delta R.T. -0.05 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 RO-132

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	27.8	41.6
277	25.8	20.2	30.4

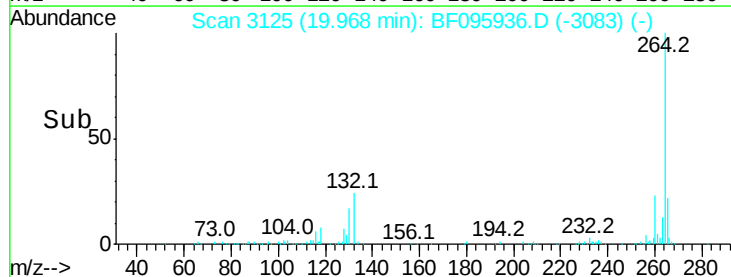
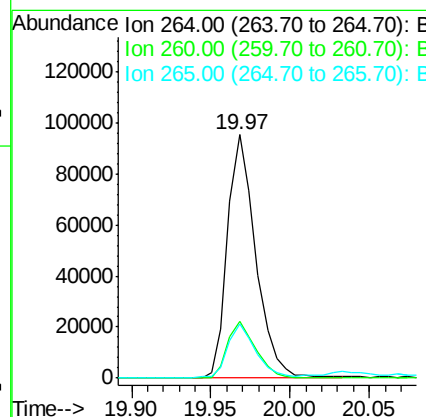
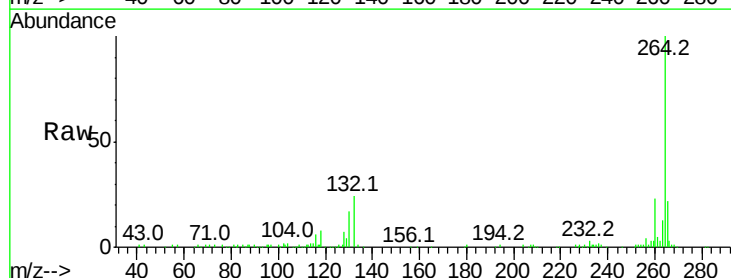
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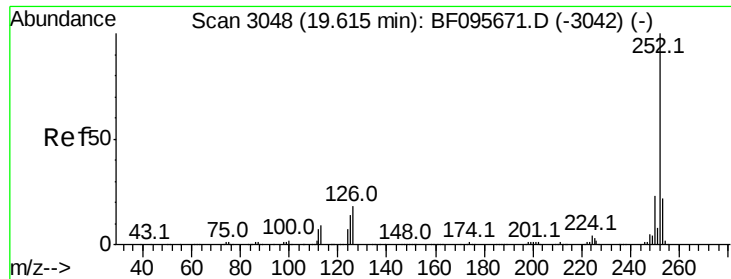
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.97 min Scan# 3125
 Delta R.T. -0.05 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 16.37 ng m

RT: 19.57 min Scan# 3057

Delta R.T. -0.05 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Instrument :

BNA_F

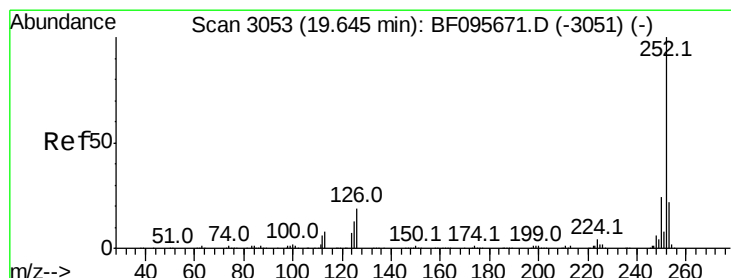
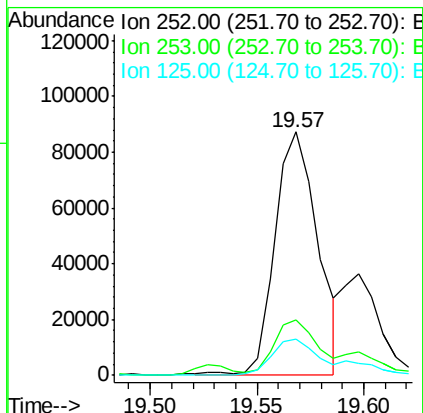
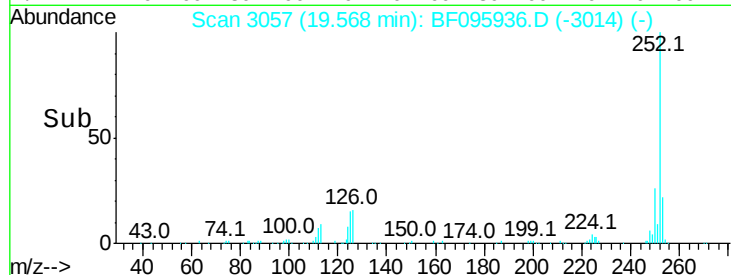
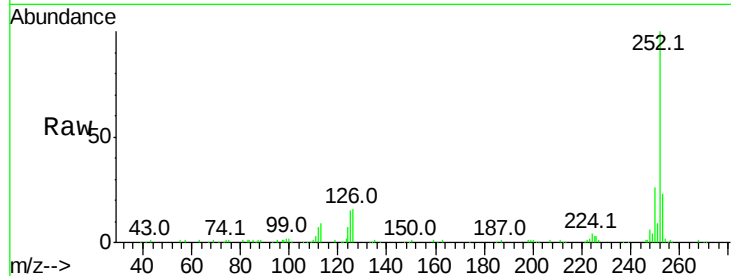
ClientSampleId :

RO-132

Tot Ion:	252	Resp:	121103
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	15.1	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 5.95 ng m

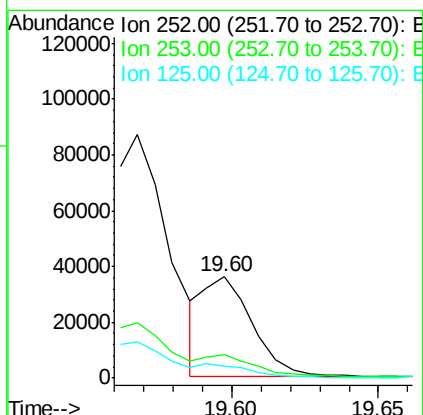
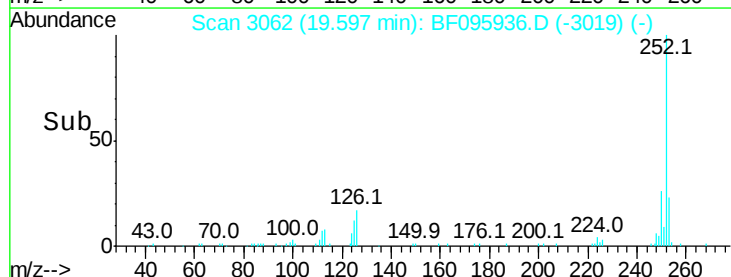
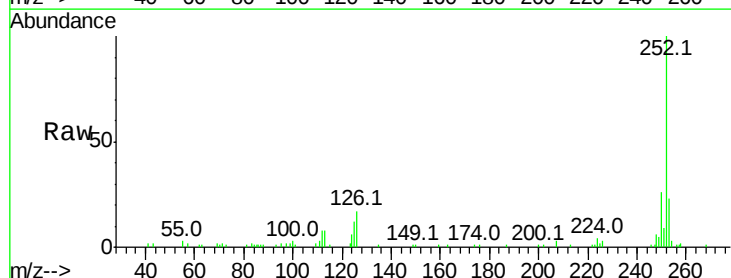
RT: 19.60 min Scan# 3062

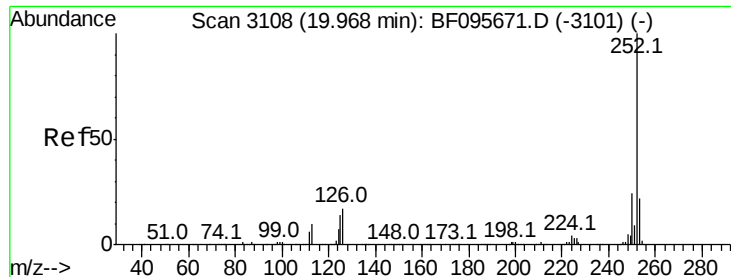
Delta R.T. -0.05 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Tgt Ion:	252	Resp:	42075
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	12.2	13.1	19.7#





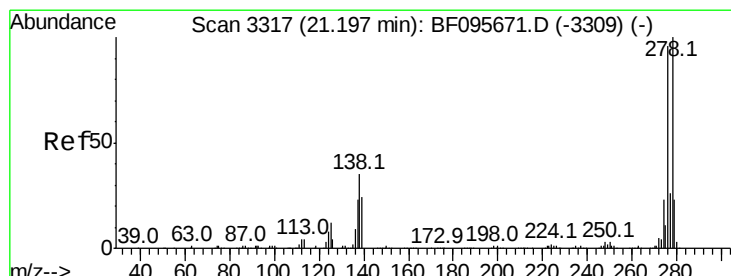
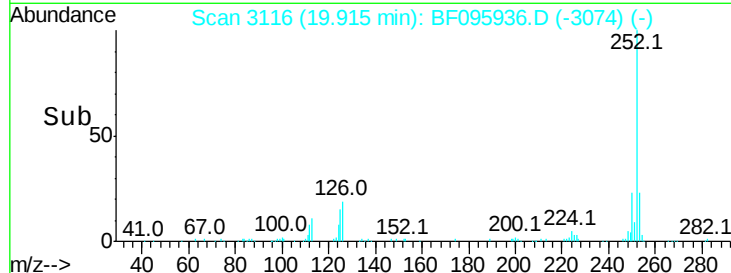
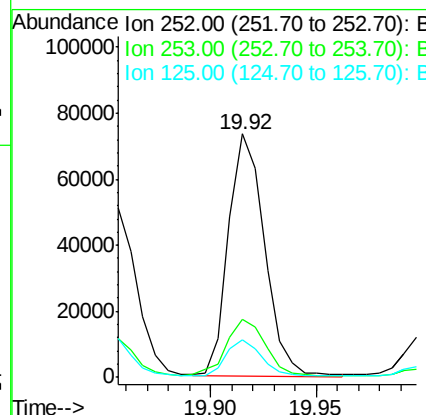
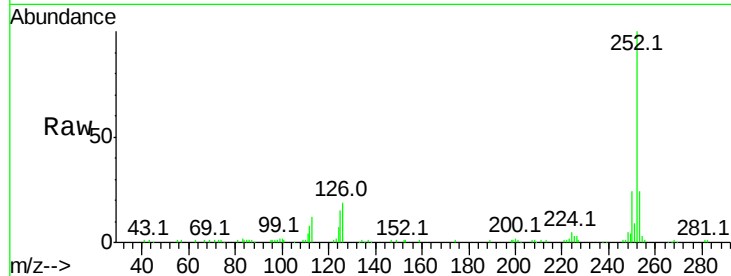
#89
Benzo(a)pyrene
Concen: 12.80 ng
RT: 19.92 min Scan# 3116
Delta R.T. -0.05 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampled :
RO-132

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	15.4	11.0	16.4

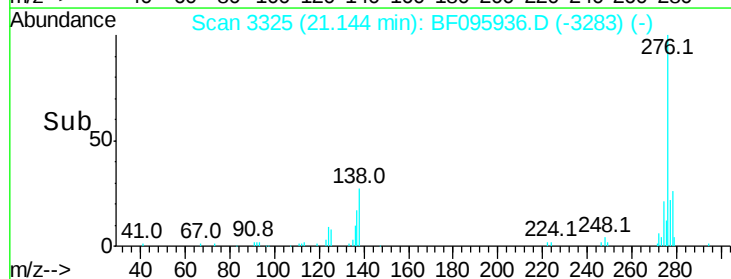
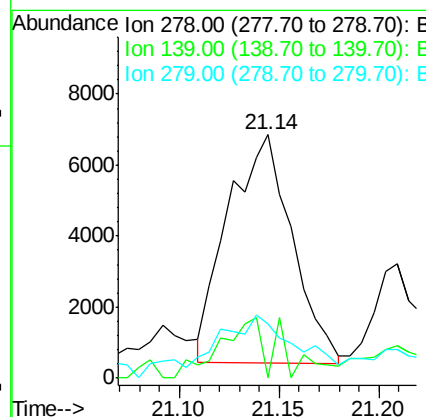
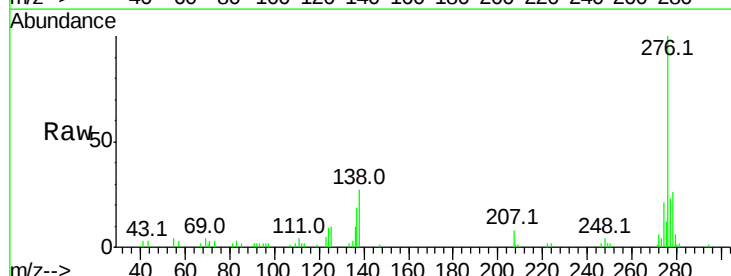
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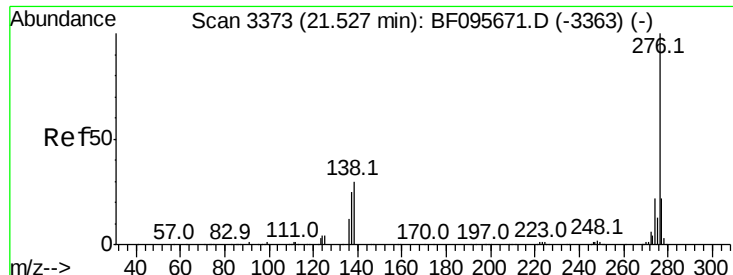
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#90
Dibenzo(a,h)anthracene
Concen: 2.49 ng m
RT: 21.14 min Scan# 3325
Delta R.T. -0.05 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	22.2	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 7.29 ng
 RT: 21.48 min Scan# 3382
 Delta R.T. -0.05 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 RO-132

Tot Ion:	276	Resp:	42896
Ion Ratio	Lower	Upper	
276	100		
277	26.8	18.6	28.0
138	31.2	25.4	38.0

Manual Integrations
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