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 Data File : BF095893.D
 Acq On : 13 Jun 2017 2:35
 Operator : SJ/MA
 Sample : I3594-01DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-ADL

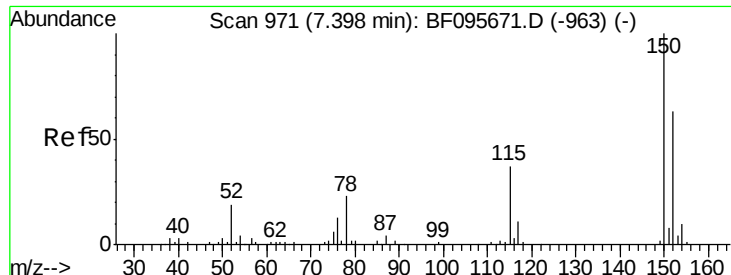
Manual Integrations
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Quant Time: Jun 13 07:16:57 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	68864	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	293152	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	132666	20.00	ng	-0.06
63) Phenanthrene-d10	14.59	188	220578	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	140814	20.00	ng	-0.04
86) Perylene-d12	19.99	264	135007	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	36712m	8.49	ng	0.04
7) Phenol-d6	6.99	99	46355m	8.96	ng	0.03
23) Nitrobenzene-d5	8.32	82	33009	6.99	ng	0.00
41) 2,4,6-Tribromophenol	13.52	330	11130	9.48	ng	-0.03
44) 2-Fluorobiphenyl	11.16	172	77700	8.15	ng	-0.05
78) Terphenyl-d14	16.97	244	51695	9.11	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	9.42	128	244668	16.630	ng	97
37) 2-Methylnaphthalene	10.55	142	118068	11.877	ng	97
48) Acenaphthylene	11.98	152	42332	2.898	ng	97
51) Acenaphthene	12.25	154	63926	7.577	ng	96
54) Dibenzofuran	12.56	168	41488	3.494	ng	97
57) Fluorene	13.10	166	91452	8.850	ng	95
70) Phenanthrene	14.63	178	568275	44.651	ng	98
71) Anthracene	14.72	178	154712	11.644	ng	98
72) Carbazole	15.03	167	52079	4.022	ng	96
74) Fluoranthene	16.42	202	508367	40.357	ng	99
77) Pyrene	16.72	202	437876	41.675	ng	# 93
80) Benzo(a)anthracene	18.30	228	179785	21.960	ng	99
82) Chrysene	18.35	228	167885m	20.520	ng	
85) Indeno(1,2,3-cd)pyrene	21.16	276	106218	15.173	ng	93
87) Benzo(b)fluoranthene	19.58	252	230596	27.278	ng	97
88) Benzo(k)fluoranthene	19.61	252	63070m	7.805	ng	
89) Benzo(a)pyrene	19.93	252	170273	21.914	ng	99
90) Dibenzo(a,h)anthracene	21.16	278	27644m	4.194	ng	
91) Benzo(g,h,i)perylene	21.49	276	92157	13.715	ng	96

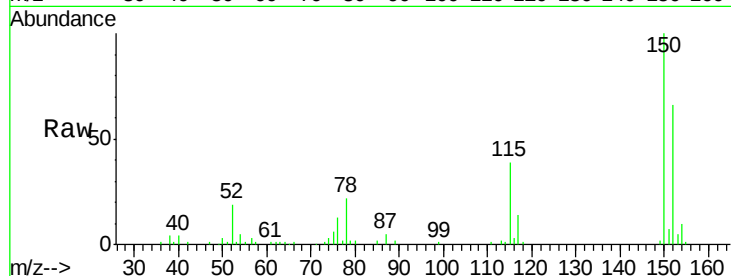
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#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.35 min Scan# 980
Delta R.T. -0.05 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

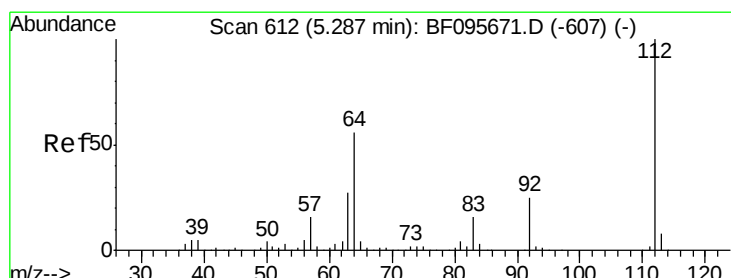
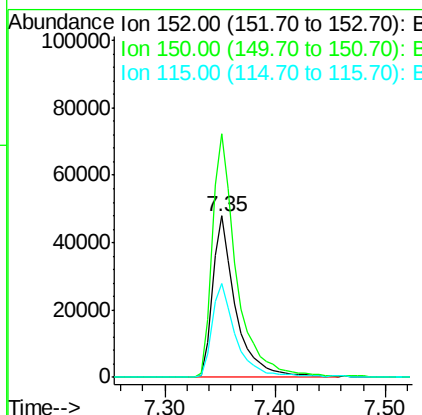
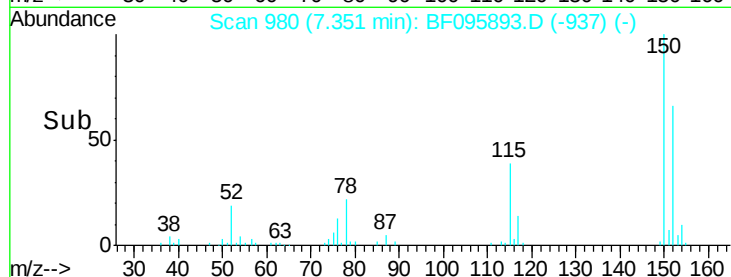
Instrument :
BNA_F
ClientSampleId :
EO-01-060917-ADL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.7	126.2	189.2
115	58.3	52.2	78.2

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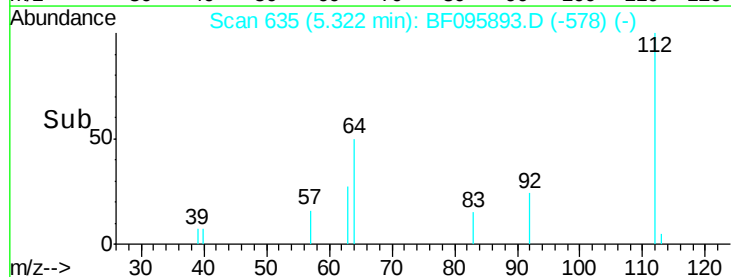
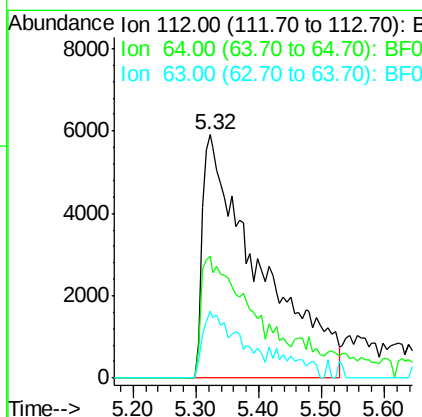
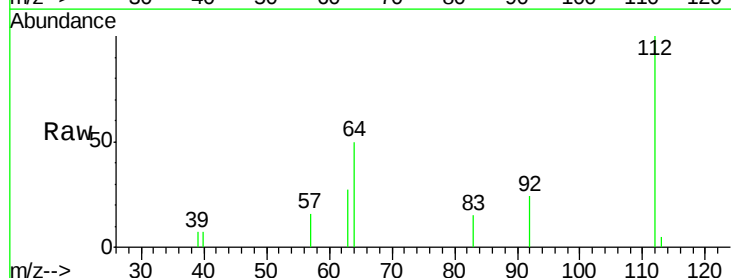
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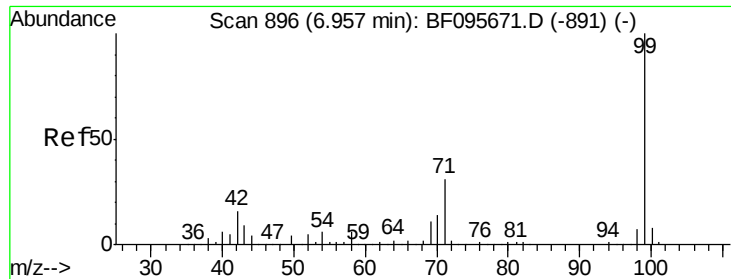


#5

2-Fluorophenol
Concen: 8.495 ng m
RT: 5.32 min Scan# 635
Delta R.T. 0.04 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.2	46.0	69.0
63	27.3	23.4	35.0





#7

Phenol-d6

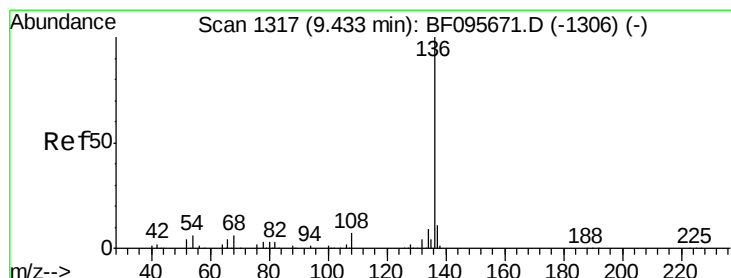
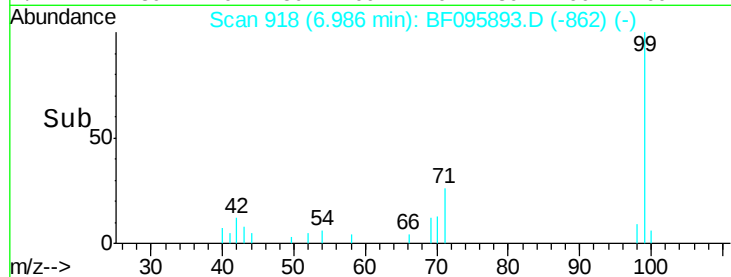
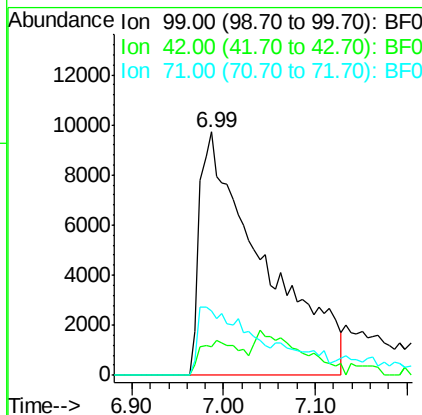
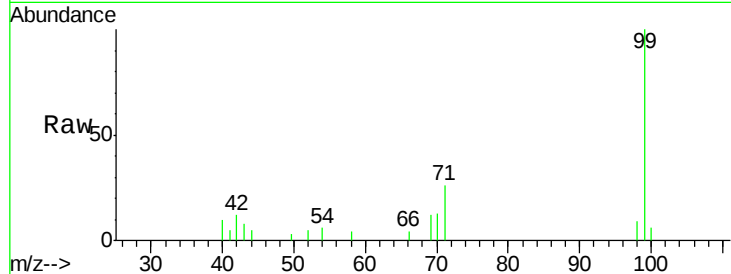
Concen: 8.960 ng m
RT: 6.99 min Scan# 918
Delta R.T. 0.03 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-ADL

Tgt Ion	Ratio	Lower	Upper
99	100		
42	11.9	13.5	20.3#
71	26.3	24.5	36.7

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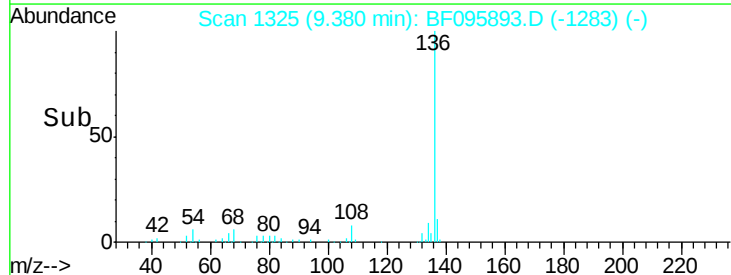
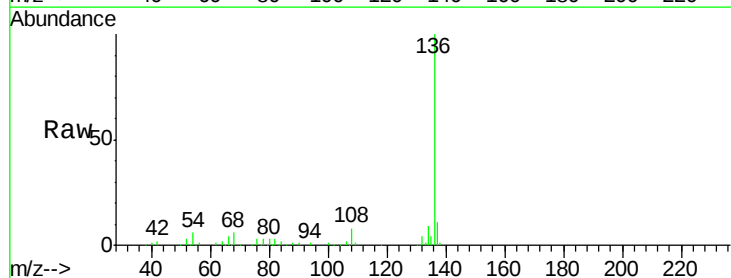
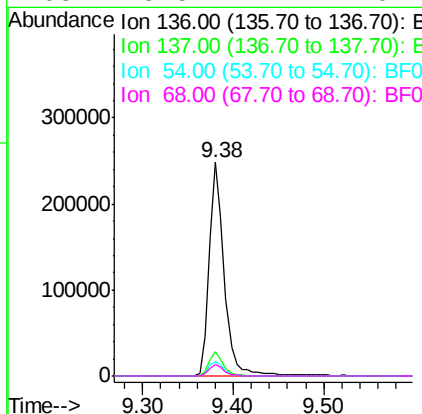


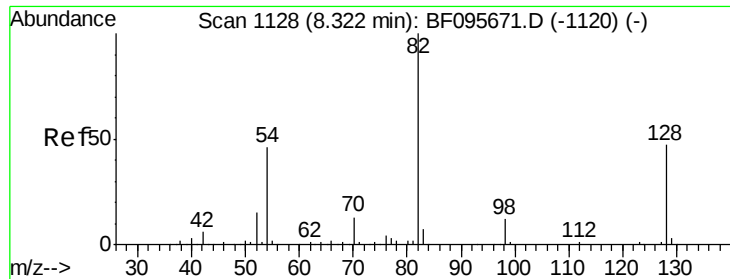
#21

Naphthalene-d8

Concen: 20.000 ng
RT: 9.38 min Scan# 1325
Delta R.T. -0.05 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	6.5	4.9	7.3
68	5.5	4.1	6.1





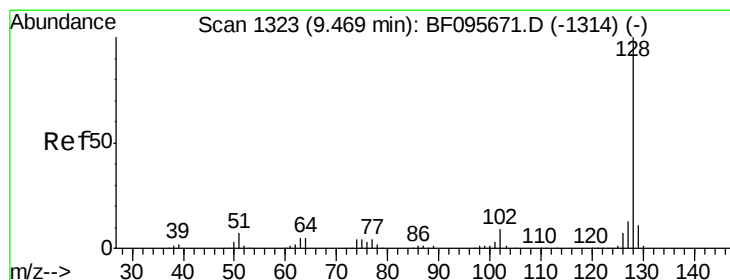
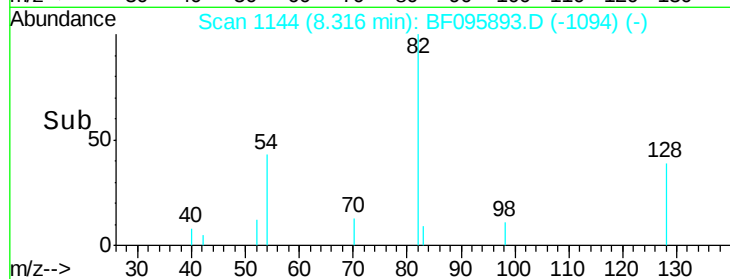
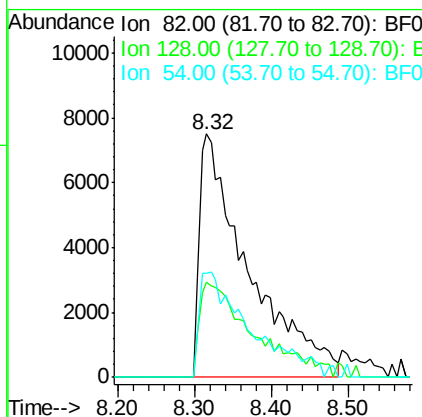
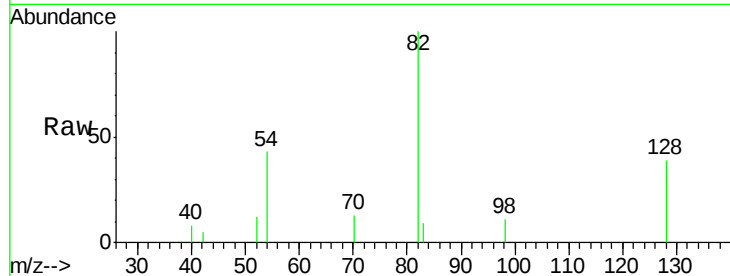
#23
Nitrobenzene-d5
Concen: 6.993 ng
RT: 8.32 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-ADL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.0	34.0	51.0
54	43.0	42.2	63.2

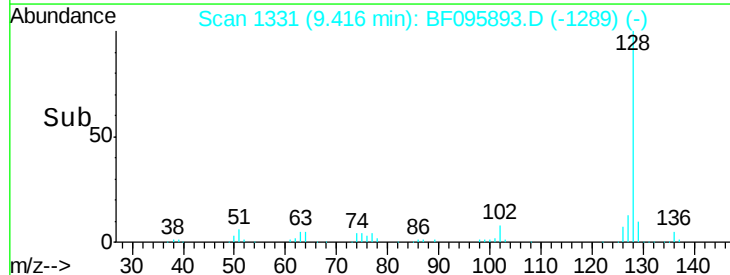
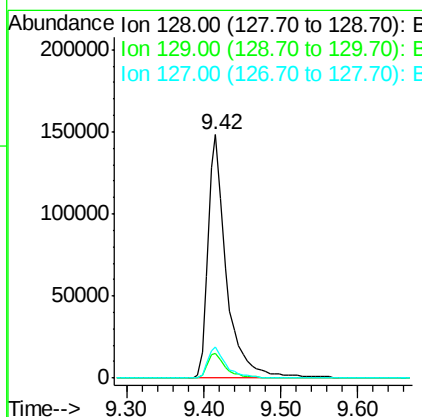
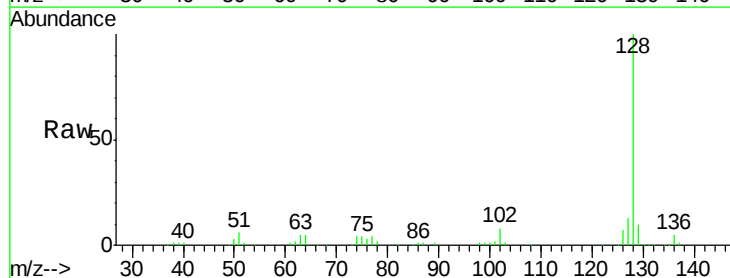
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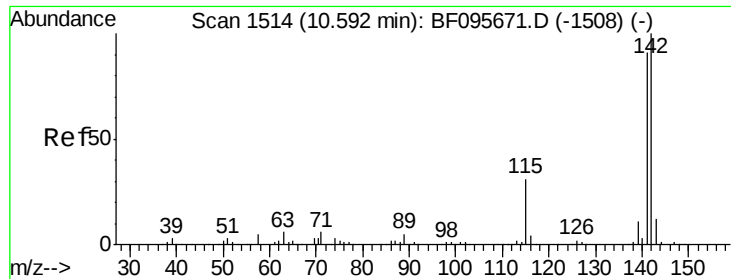
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#31
Naphthalene
Concen: 16.630 ng
RT: 9.42 min Scan# 1331
Delta R.T. -0.05 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.0	13.6
127	12.7	10.8	16.2





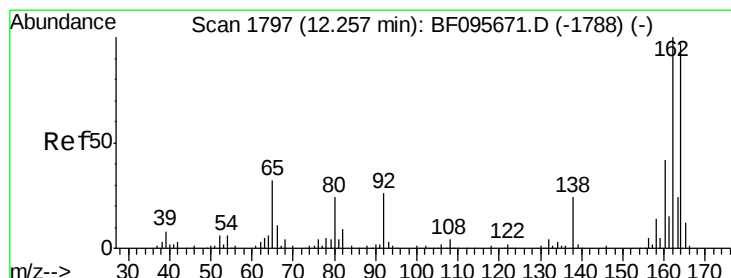
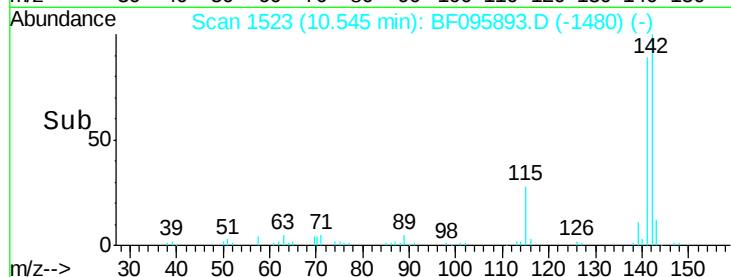
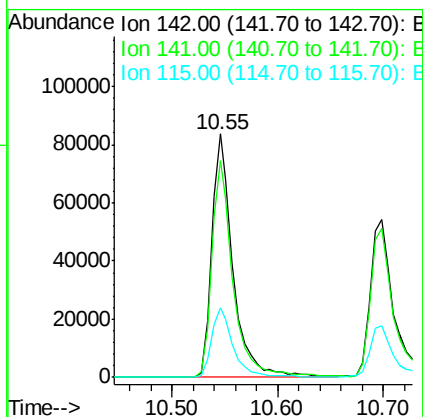
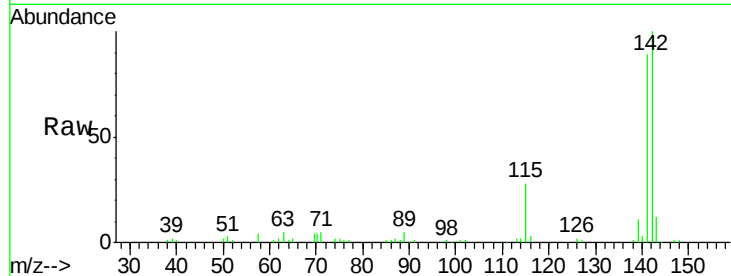
#37
2-Methylnaphthalene
Concen: 11.877 ng
RT: 10.55 min Scan# 1523
Delta R.T. -0.05 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-ADL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	118068		
141	89.0	71.3	106.9	
115	28.4	27.1	40.7	

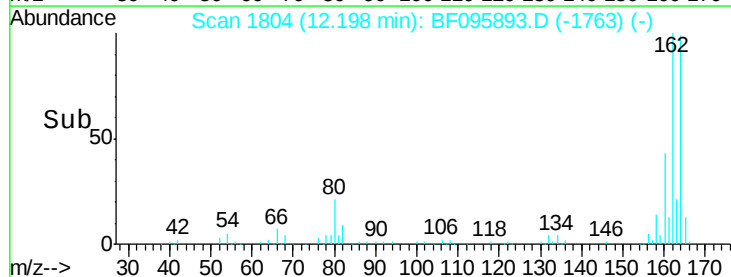
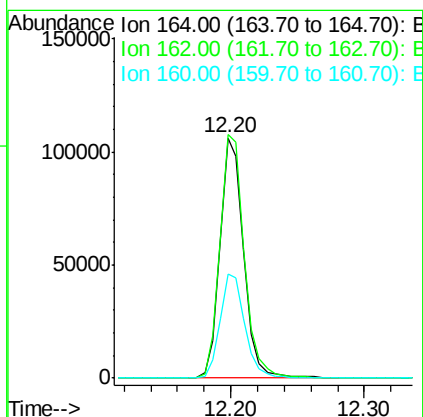
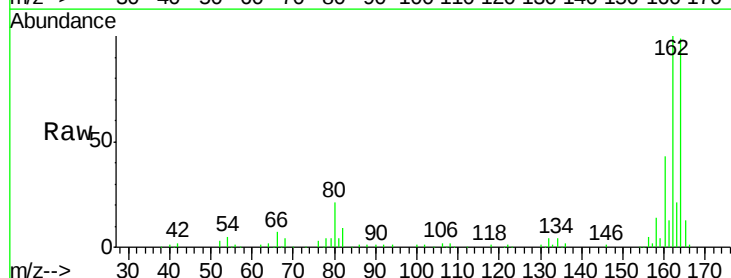
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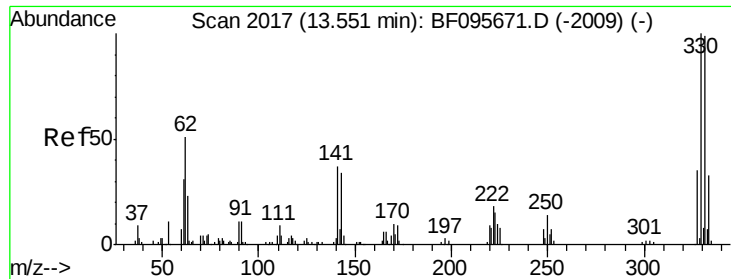
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.20 min Scan# 1804
Delta R.T. -0.06 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132666		
162	101.3	82.6	123.8	
160	43.5	36.2	54.2	





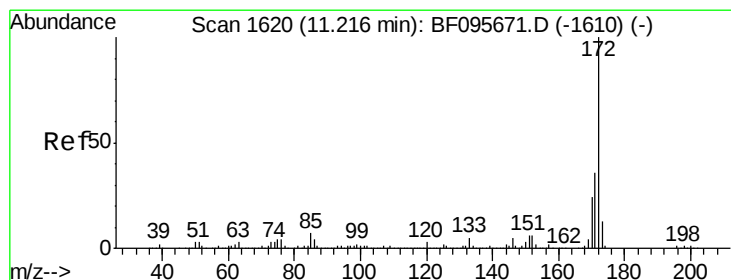
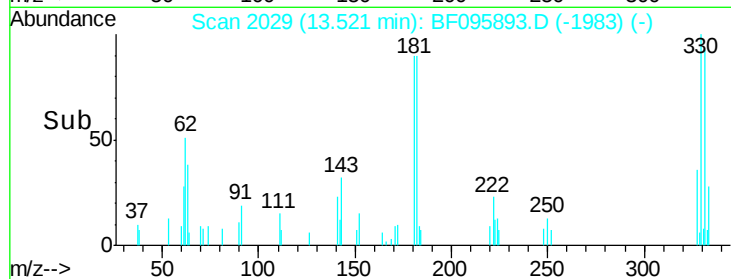
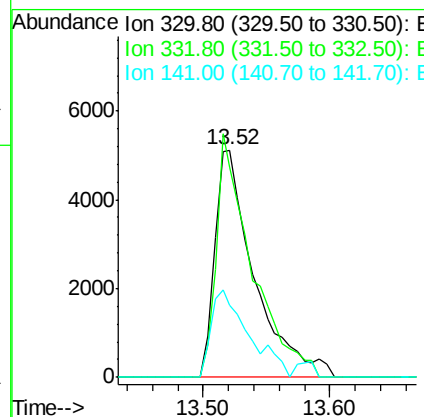
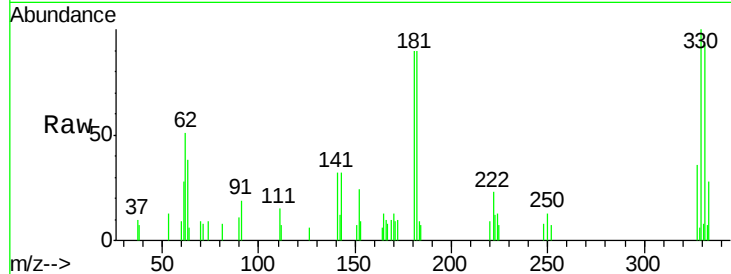
#41
 2,4,6-Tribromophenol
 Concen: 9.482 ng
 RT: 13.52 min Scan# 2029
 Delta R.T. -0.03 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-ADL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	11130		
332	96.1	76.6	115.0	
141	36.6	31.4	47.2	

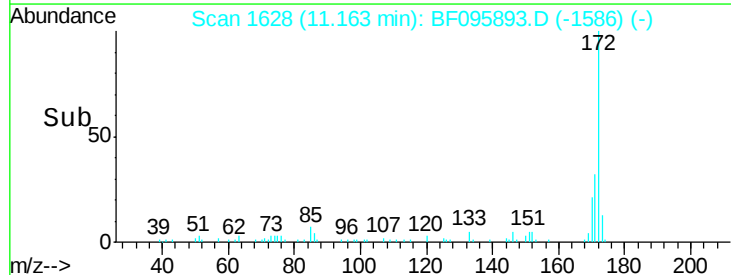
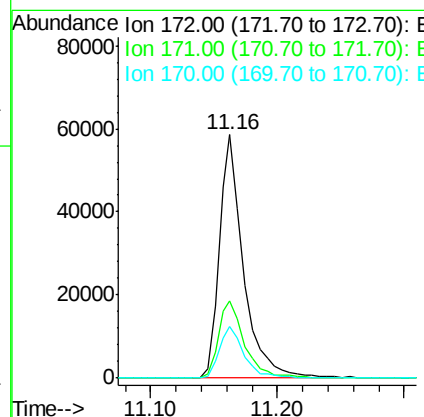
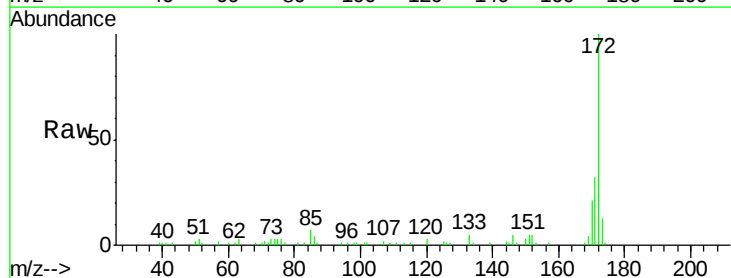
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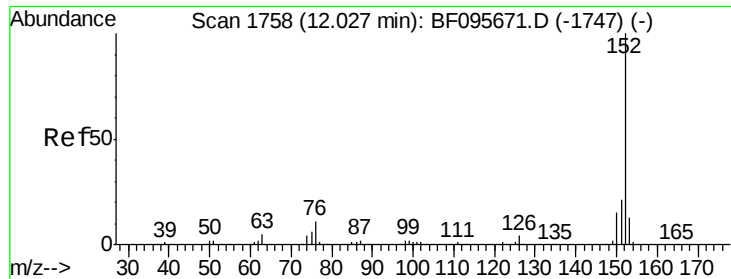
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#44
 2-Fluorobiphenyl
 Concen: 8.150 ng
 RT: 11.16 min Scan# 1628
 Delta R.T. -0.05 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	77700		
171	31.6	29.6	44.4	
170	21.2	19.8	29.8	





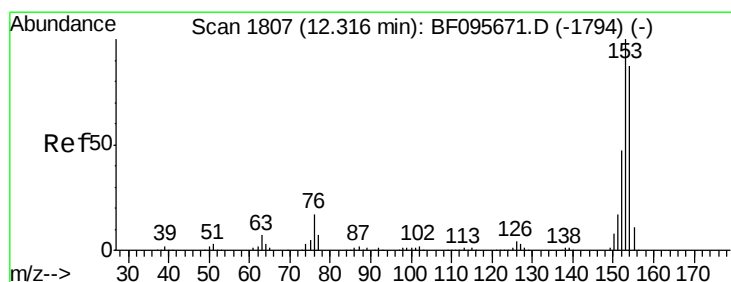
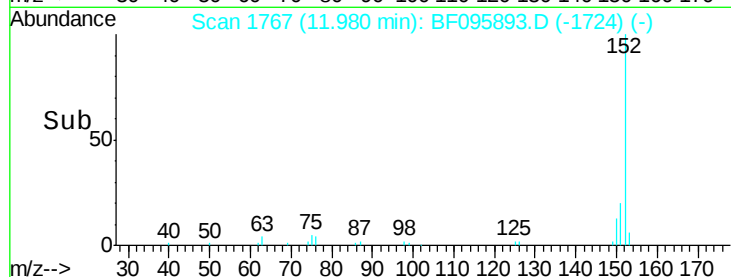
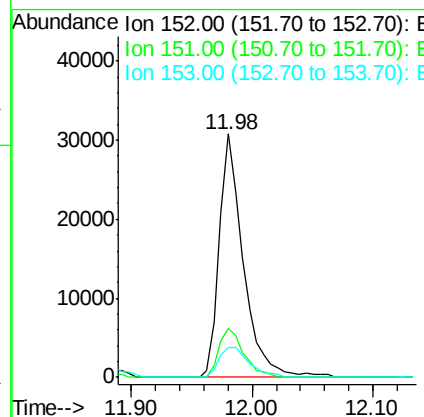
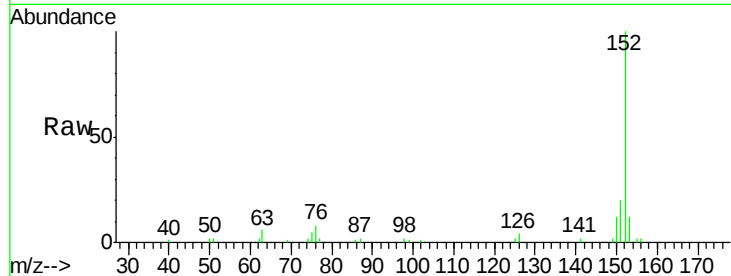
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Acenaphthylene
Concen: 2.898 ng
RT: 11.98 min Scan# 1767
Delta R.T. -0.05 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-ADL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	12.3	10.8	16.2

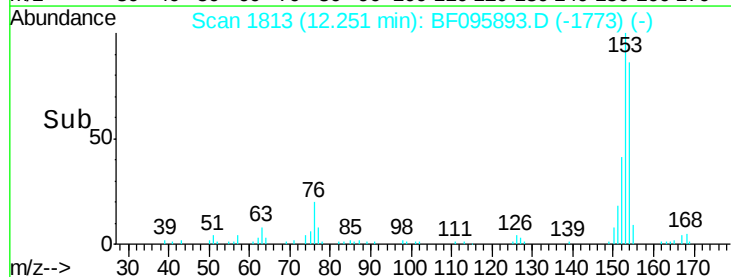
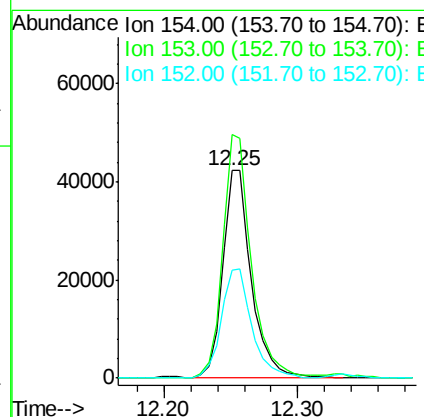
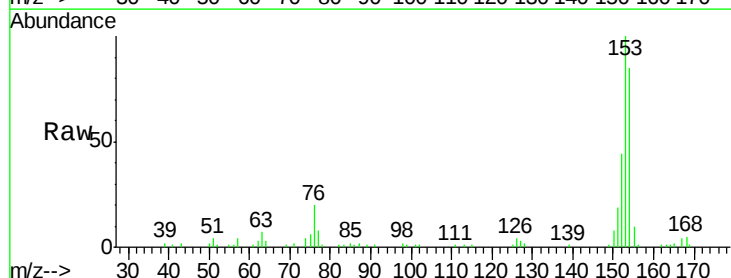
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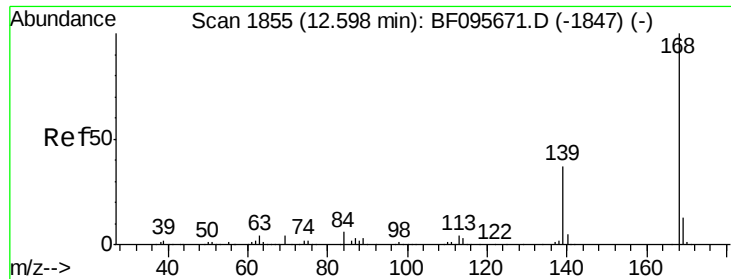
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#51
Acenaphthene
Concen: 7.577 ng
RT: 12.25 min Scan# 1813
Delta R.T. -0.06 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.3	90.5	135.7
152	52.0	43.6	65.4





#54

Dibenzenofuran

Concen: 3.494 ng

RT: 12.56 min Scan# 1865

Delta R.T. -0.04 min

Lab File: BF095893.D

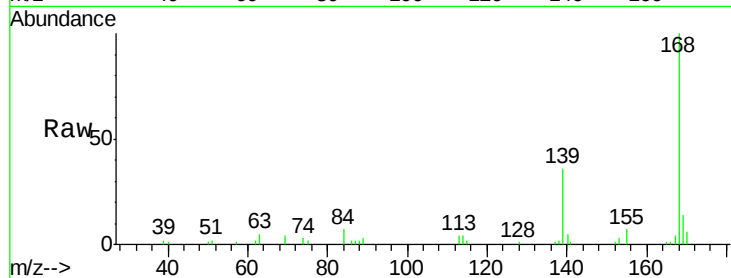
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Instrument :

BNA_F

ClientSampleId :

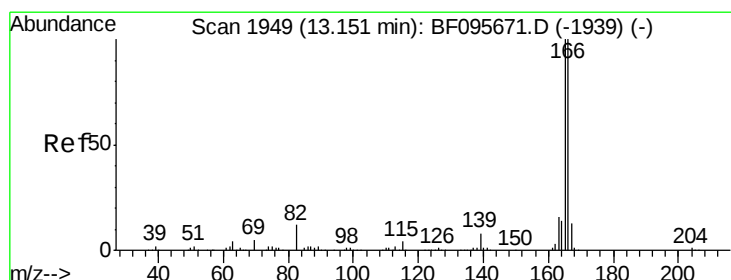
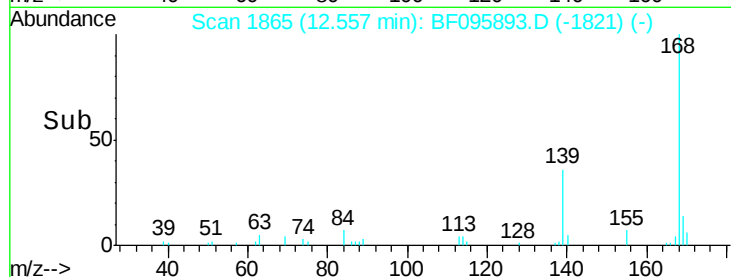
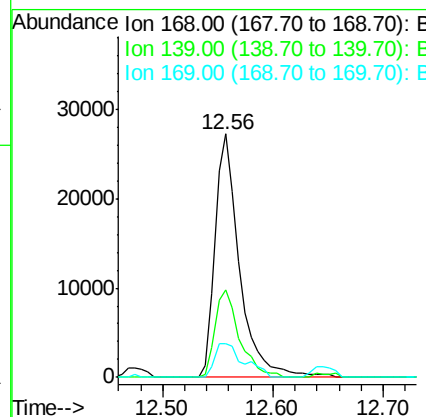
EO-01-060917-ADL



Tgt Ion:	168	Resp:	41488
Ion Ratio	Lower	Upper	
168	100		
139	35.7	30.6	45.8
169	13.9	10.8	16.2

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#57

Fluorene

Concen: 8.850 ng

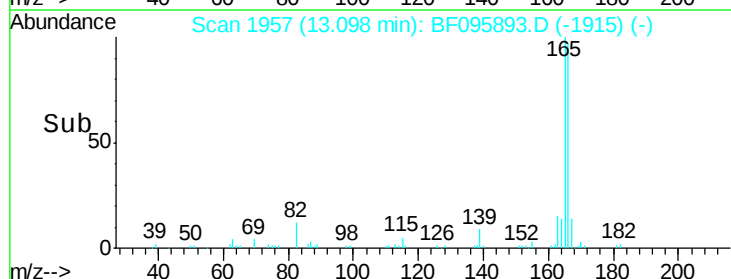
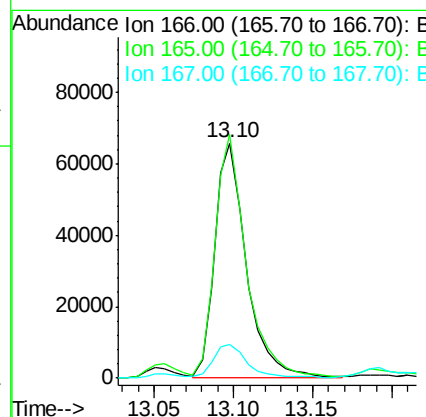
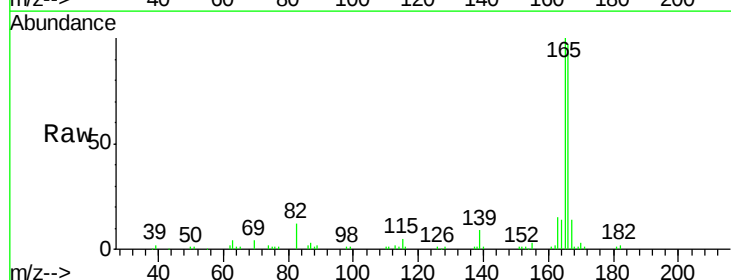
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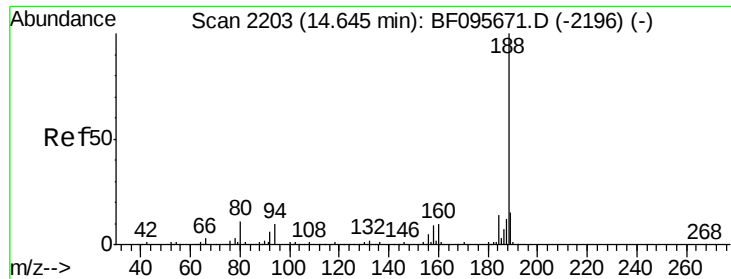
Delta R.T. -0.05 min

Lab File: BF095893.D

Acq: 13 Jun 2017 2:35

Tgt Ion:	166	Resp:	91452
Ion Ratio	Lower	Upper	
166	100		
165	103.5	78.8	118.2
167	14.4	10.6	16.0





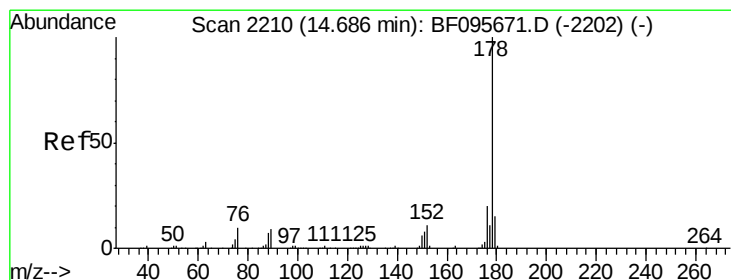
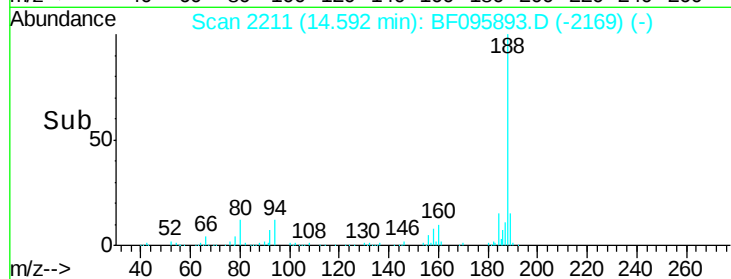
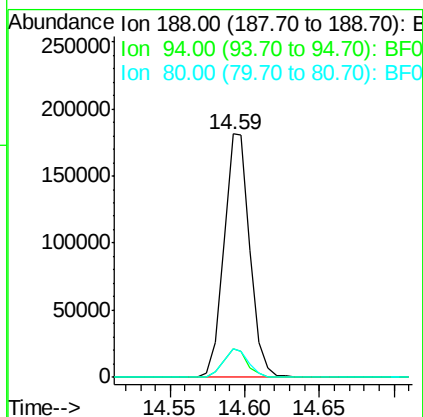
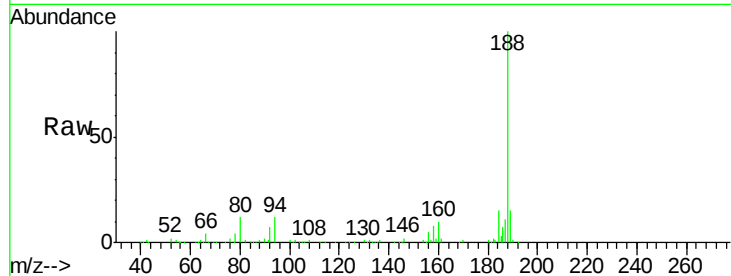
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 2211
Delta R.T. -0.05 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-ADL

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	11.8	9.4	14.2
80	11.6	10.2	15.2

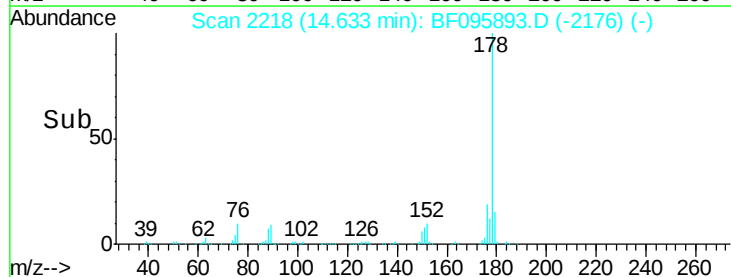
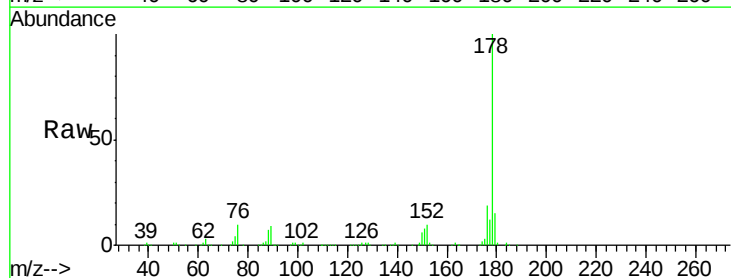
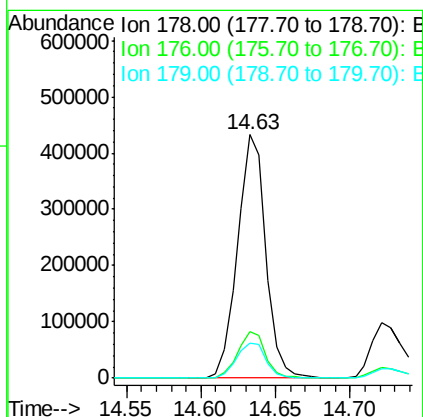
Manual Integrations
APPROVED

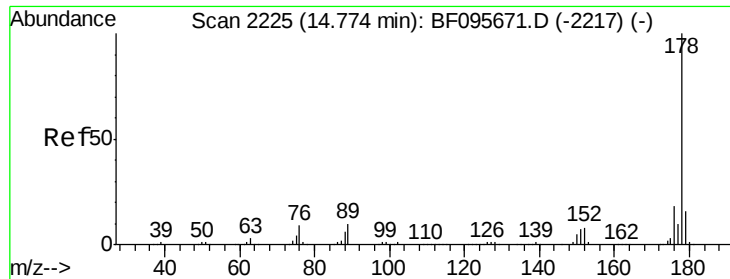
mohammad
6/13/2017 4:11:03 PM



#70
Phenanthrene
Concen: 44.651 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.05 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

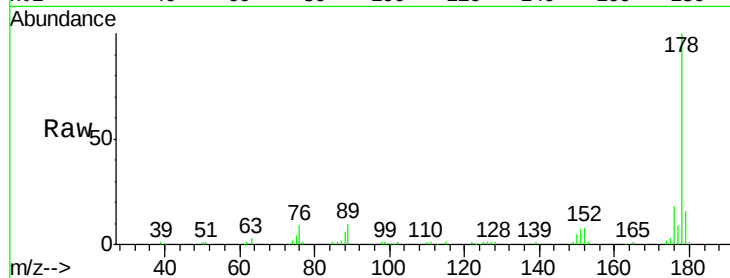
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.2	24.4
179	14.6	12.6	19.0





#71
 Anthracene
 Concen: 11.644 ng
 RT: 14.72 min Scan# 2233
 Delta R.T. -0.05 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

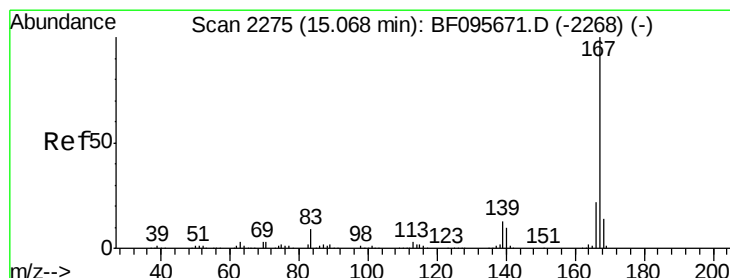
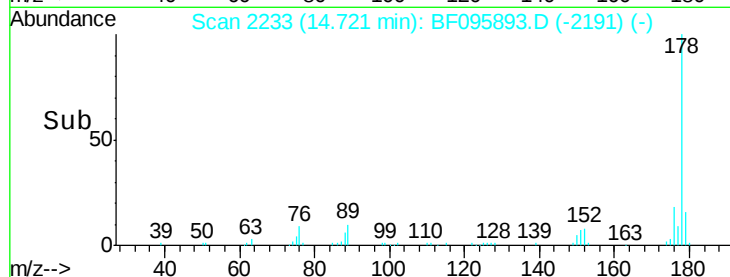
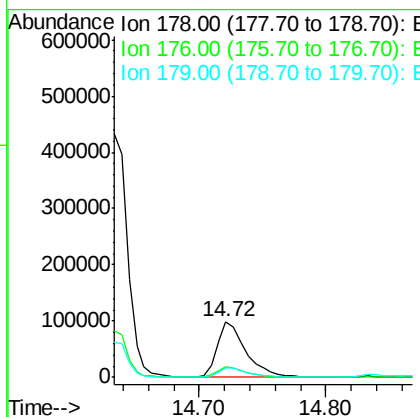
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-ADL



Tgt Ion	Ratio	Resp	Lower	Upper
178	100	154712		
176	18.5	15.8	23.8	
179	16.3	12.7	19.1	

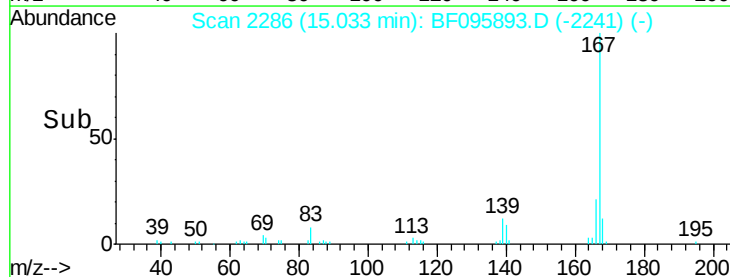
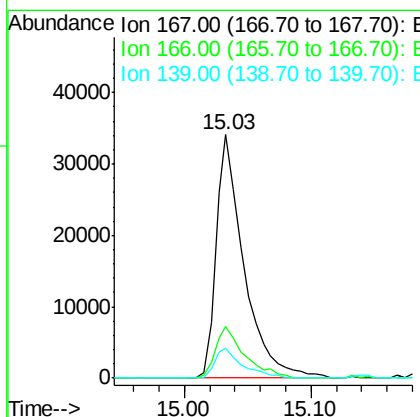
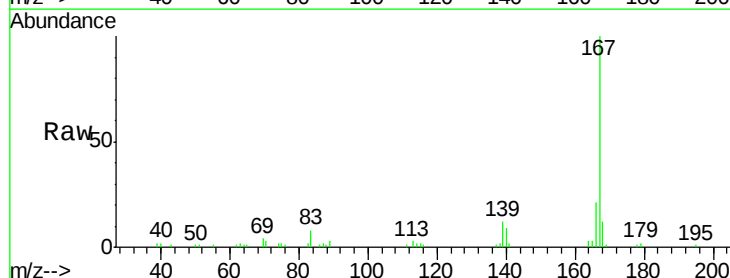
Manual Integrations
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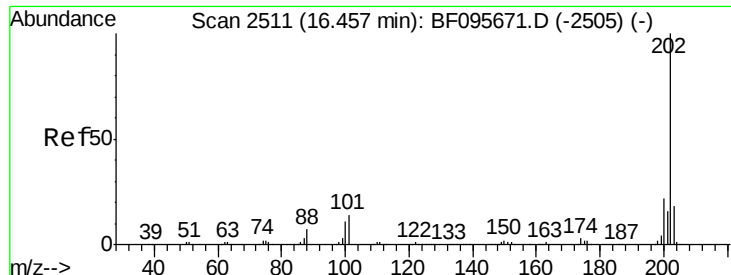
mohammad
 6/13/2017 4:11:03 PM



#72
 Carbazole
 Concen: 4.022 ng
 RT: 15.03 min Scan# 2286
 Delta R.T. -0.04 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	52079		
166	21.4	18.1	27.1	
139	12.1	11.7	17.5	





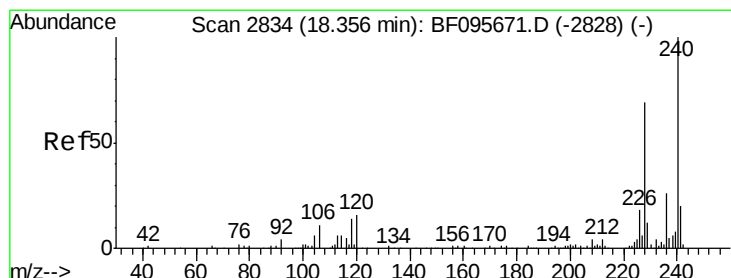
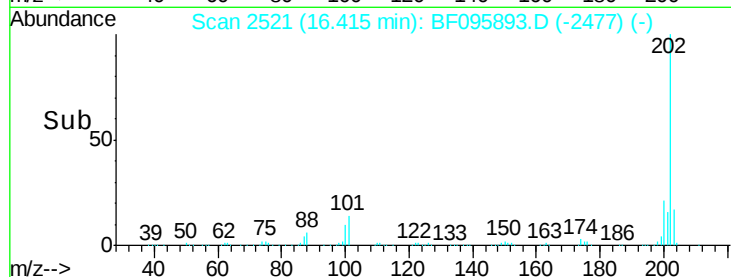
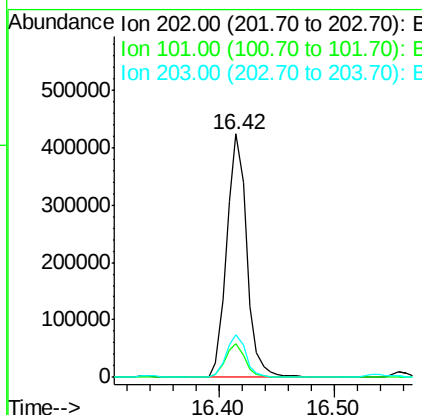
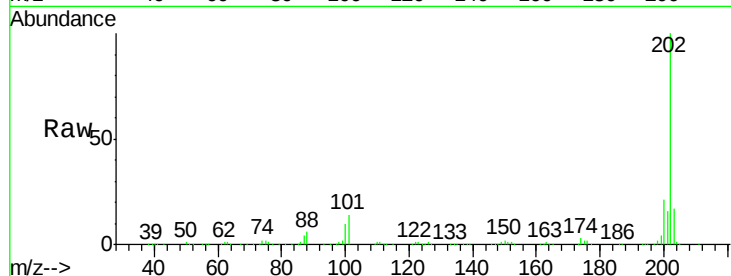
#74
 Fluoranthene
 Concen: 40.357 ng
 RT: 16.42 min Scan# 2521
 Delta R.T. -0.04 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-ADL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.8	0.0	33.2
203	17.5	0.0	38.1

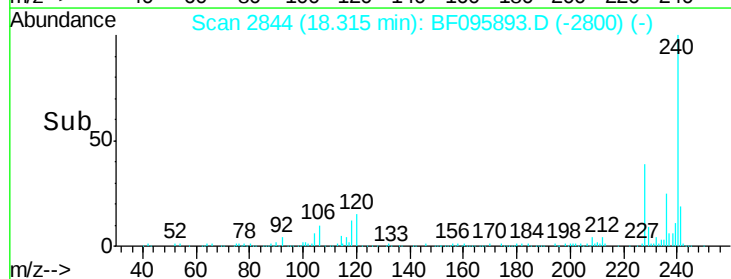
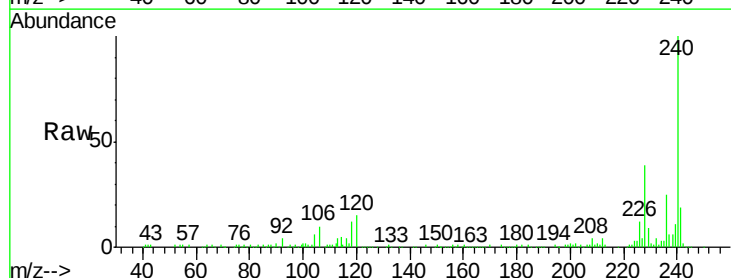
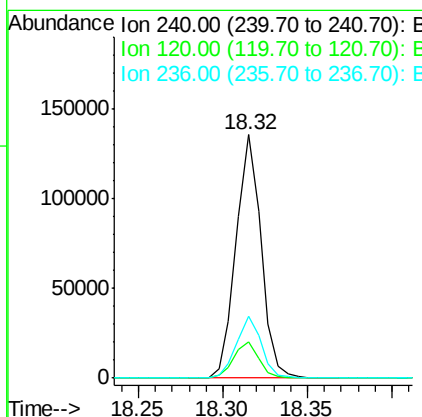
Manual Integrations
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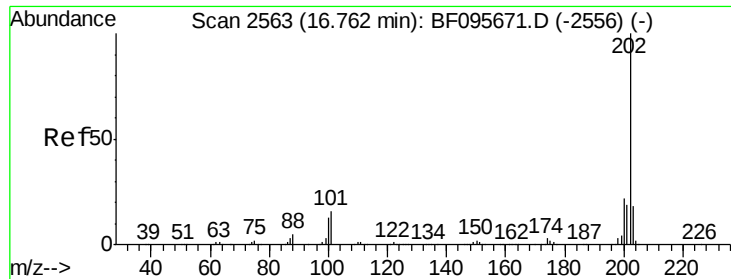
mohammad
 6/13/2017 4:11:03 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.32 min Scan# 2844
 Delta R.T. -0.04 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.9	5.8	8.8#
236	25.3	20.5	30.7





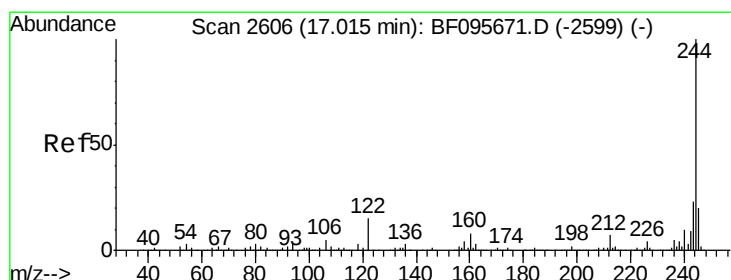
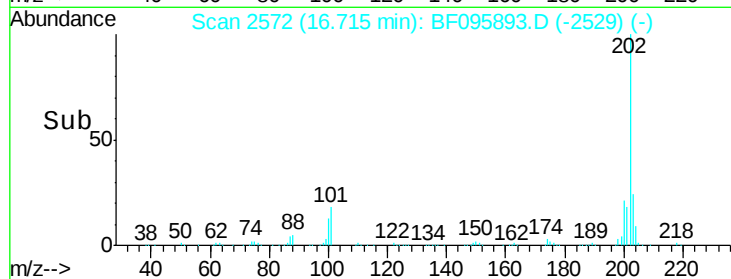
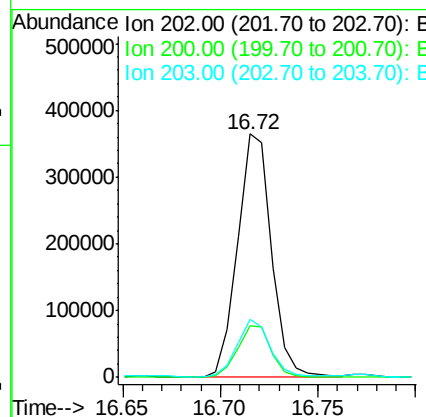
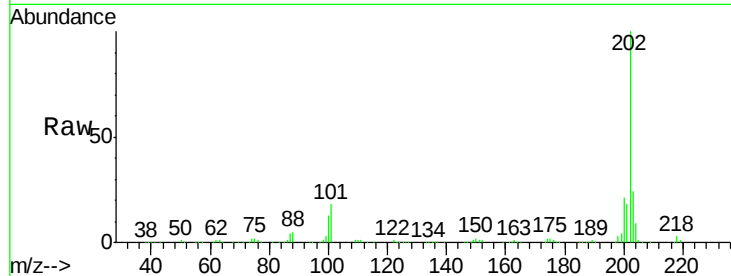
#77
 Pyrene
 Concen: 41.675 ng
 RT: 16.72 min Scan# 2572
 Delta R.T. -0.05 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-ADL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.4	17.6	26.4
203	23.9	14.4	21.6

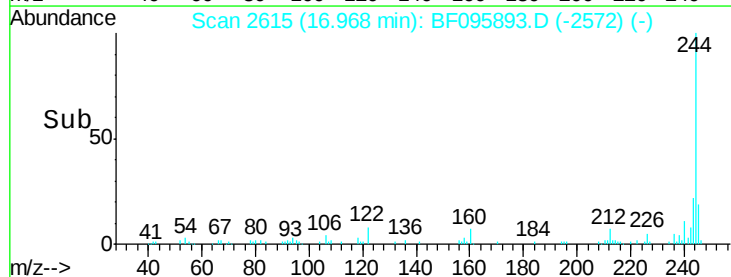
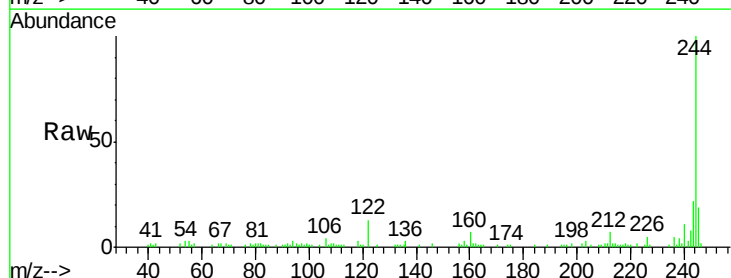
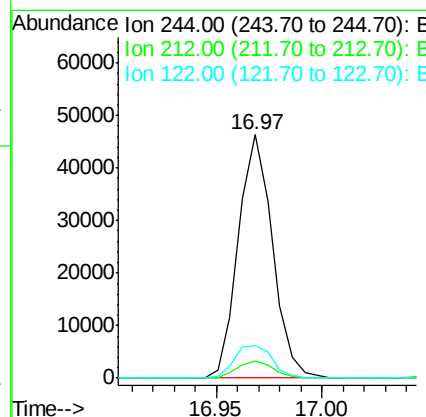
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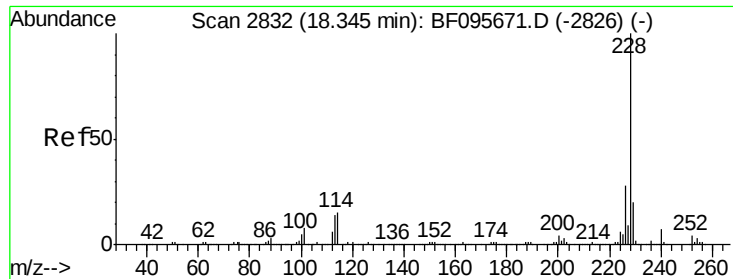
mohammad
 6/13/2017 4:11:03 PM



#78
 Terphenyl-d14
 Concen: 9.111 ng
 RT: 16.97 min Scan# 2615
 Delta R.T. -0.05 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.0	6.0	9.0
122	13.3	10.3	15.5





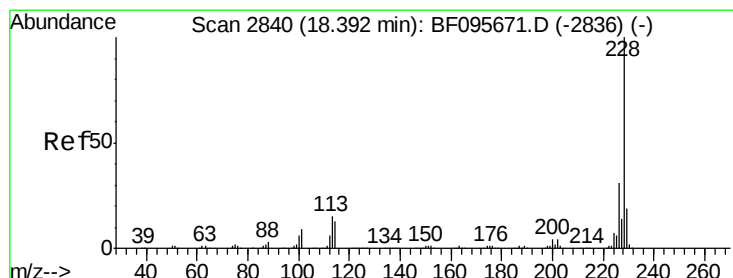
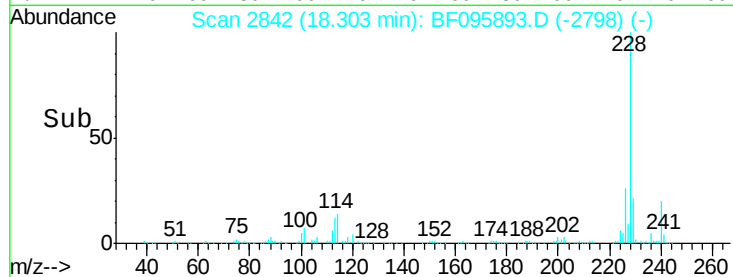
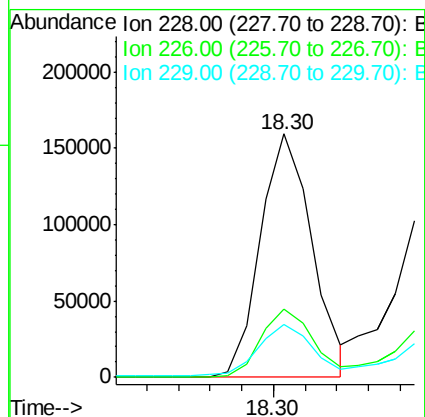
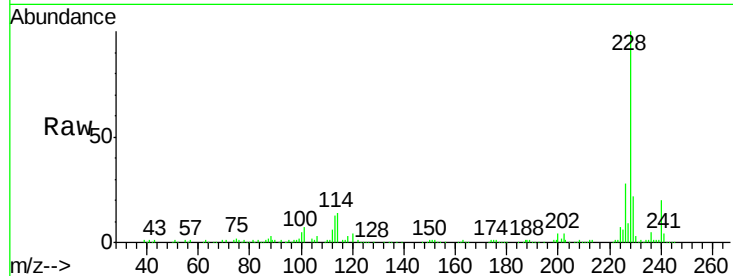
#80
Benzo(a)anthracene
Concen: 21.960 ng
RT: 18.30 min Scan# 2842
Delta R.T. -0.04 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-ADL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.6	16.3	24.5

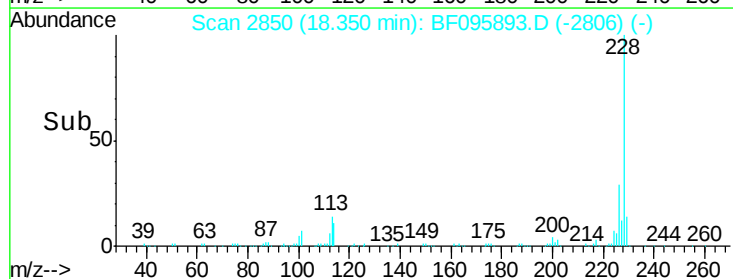
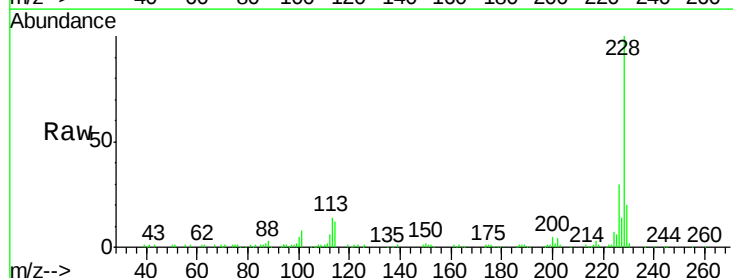
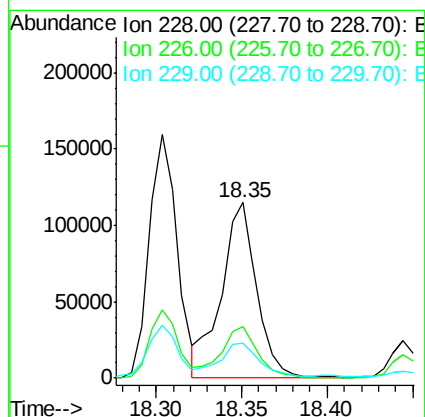
Manual Integrations
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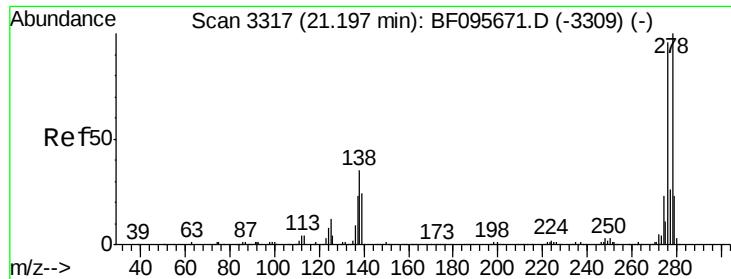
mohammad
6/13/2017 4:11:03 PM



#82
Chrysene
Concen: 20.520 ng m
RT: 18.35 min Scan# 2850
Delta R.T. -0.04 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	19.6	15.8	23.6





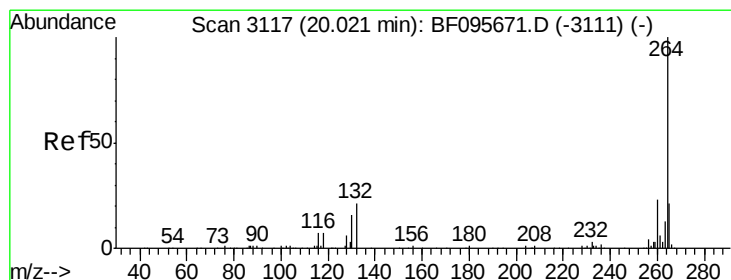
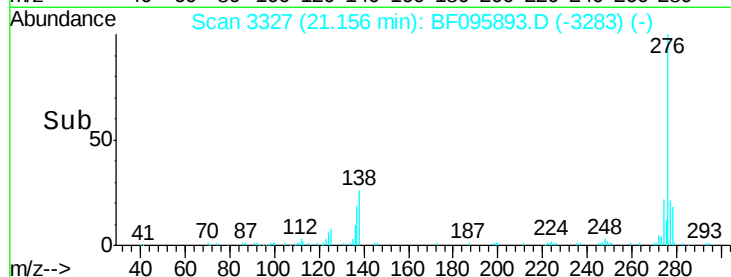
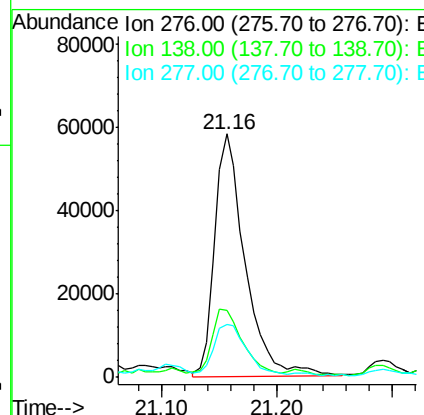
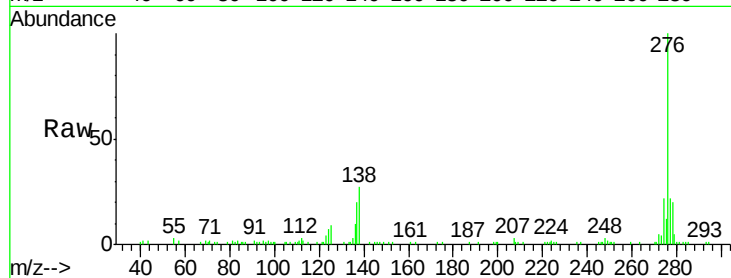
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.173 ng
 RT: 21.16 min Scan# 3327
 Delta R.T. -0.04 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-ADL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	106218		
138	30.3		27.8	41.6
277	21.6		20.2	30.4

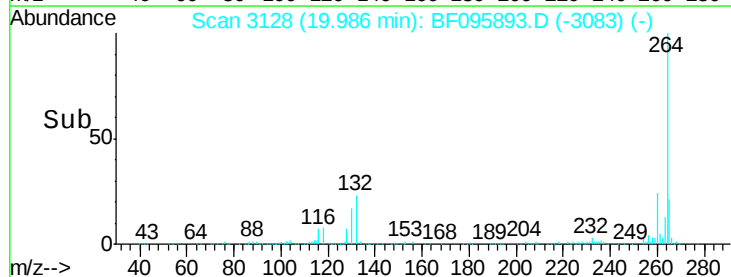
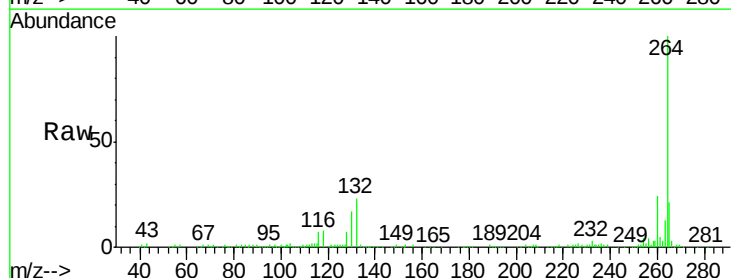
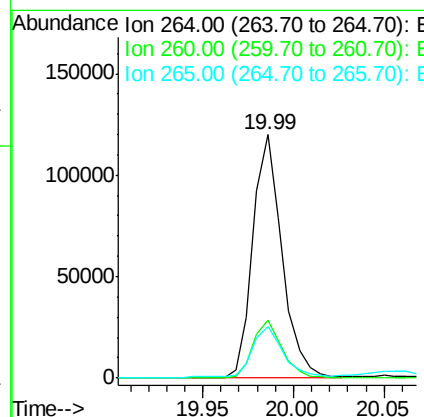
Manual Integrations
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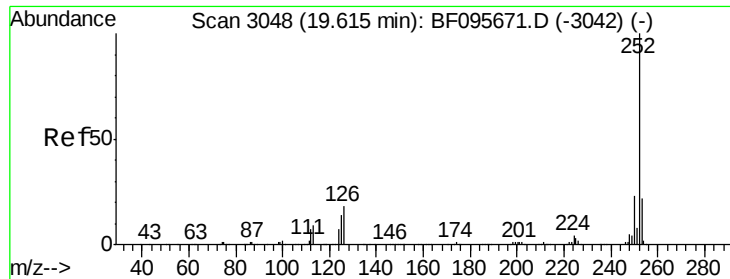
mohammad
 6/13/2017 4:11:03 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 19.99 min Scan# 3128
 Delta R.T. -0.04 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	135007		
260	23.8		19.5	29.3
265	20.9		17.2	25.8





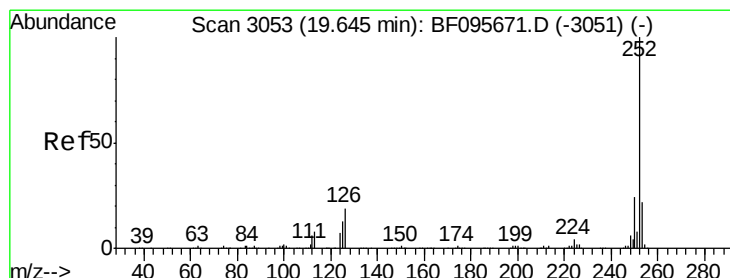
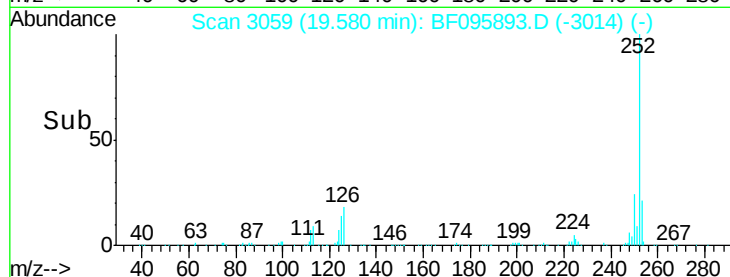
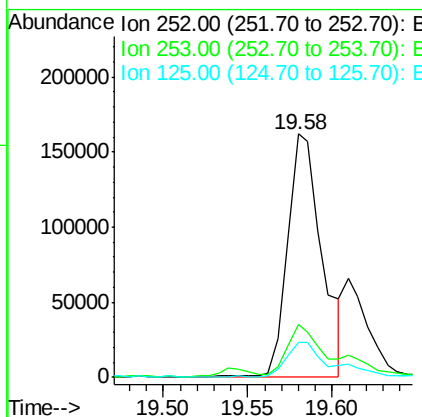
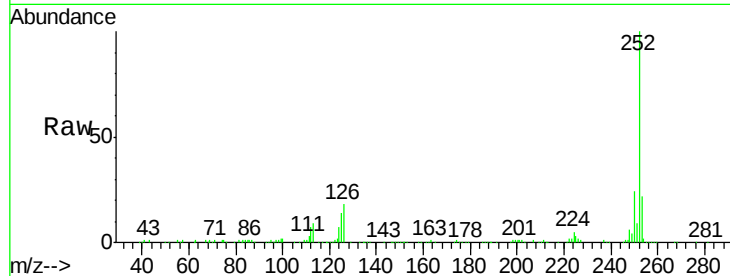
#87
Benzo(b)fluoranthene
Concen: 27.278 ng
RT: 19.58 min Scan# 3059
Delta R.T. -0.04 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-ADL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	14.3	9.8	14.8

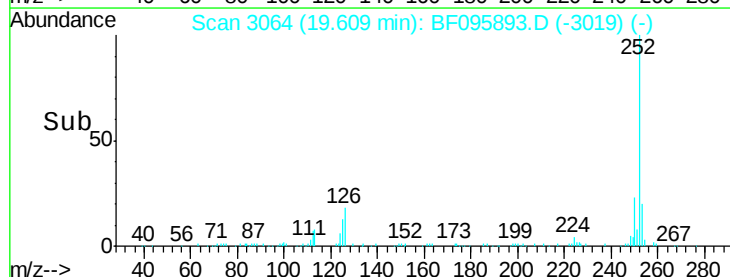
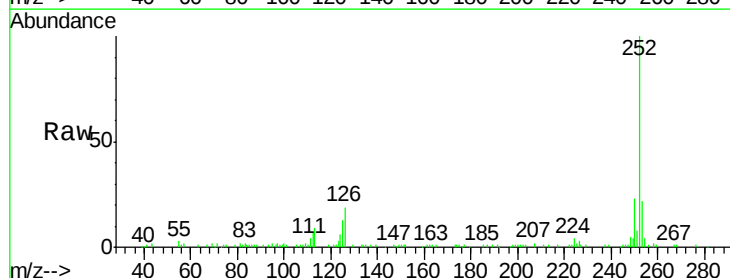
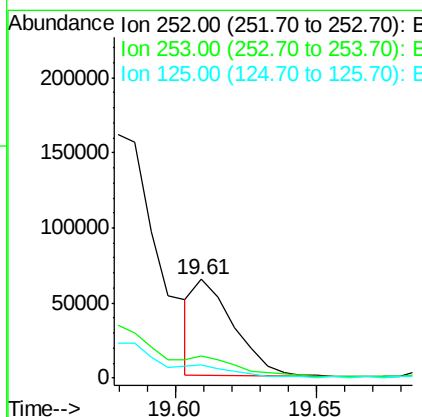
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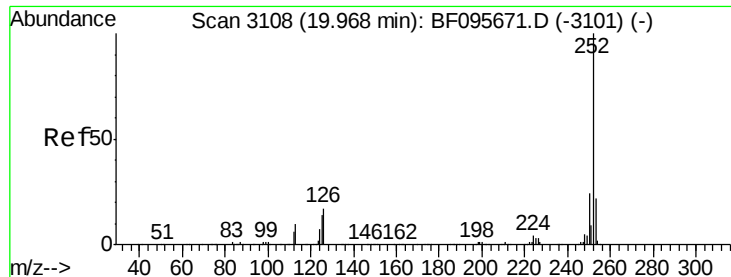
mohammad
6/13/2017 4:11:03 PM



#88
Benzo(k)fluoranthene
Concen: 7.805 ng m
RT: 19.61 min Scan# 3064
Delta R.T. -0.04 min
Lab File: BF095893.D
Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	13.2	13.1	19.7





#89

Benzo(a)pyrene

Concen: 21.914 ng

RT: 19.93 min Scan# 3119

Delta R.T. -0.04 min

Lab File: BF095893.D

Acq: 13 Jun 2017 2:35

Instrument :

BNA_F

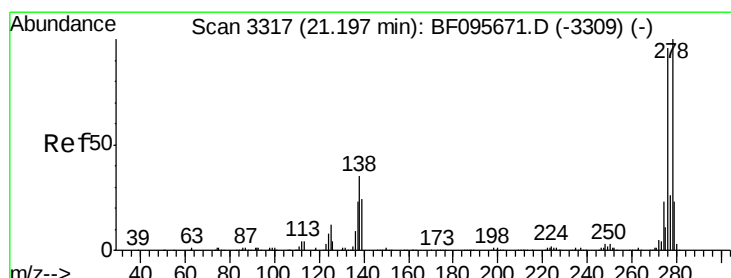
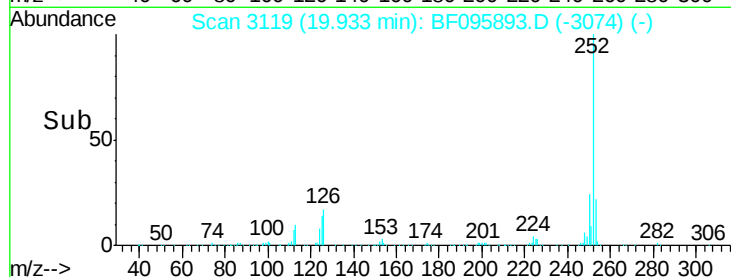
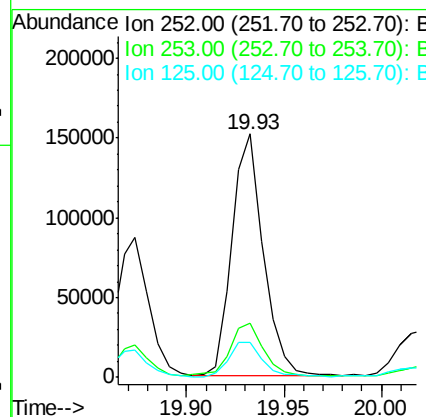
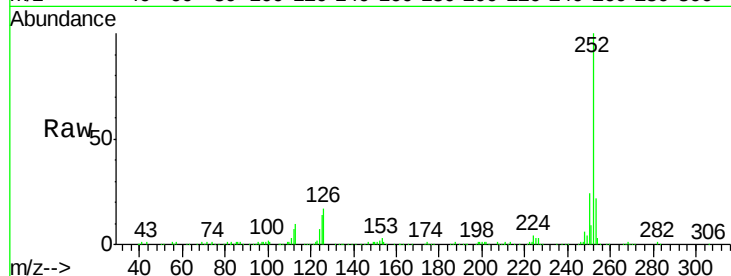
ClientSampleId :

EO-01-060917-ADL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	170273		
253	22.4	17.5	26.3	
125	14.4	11.0	16.4	

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#90

Dibenzo(a,h)anthracene

Concen: 4.194 ng m

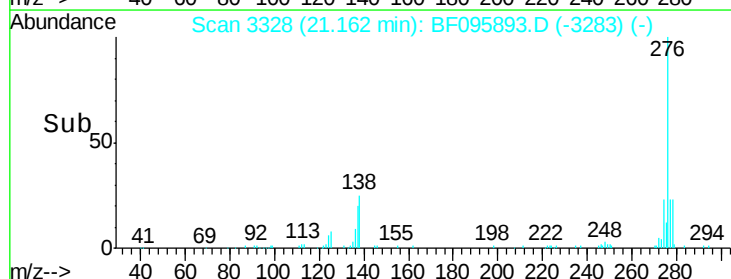
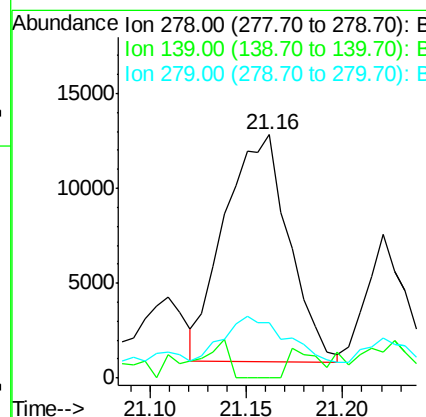
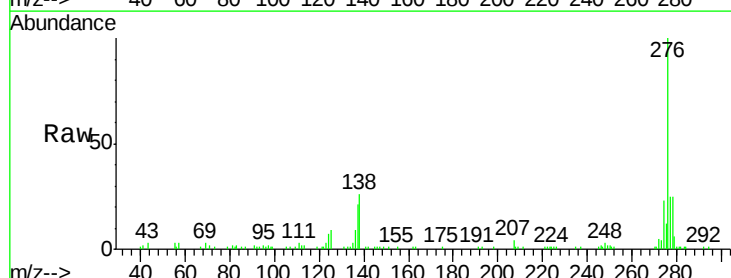
RT: 21.16 min Scan# 3328

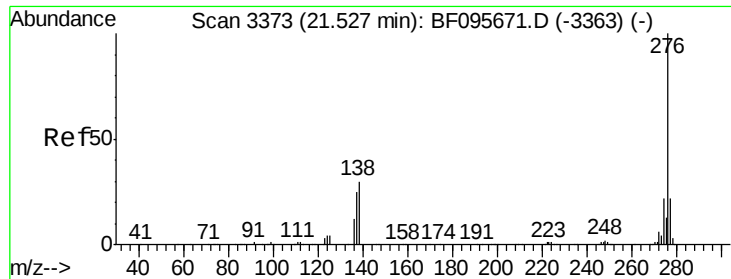
Delta R.T. -0.04 min

Lab File: BF095893.D

Acq: 13 Jun 2017 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	27644		
139	0.0	16.6	24.8#	
279	22.7	19.3	28.9	





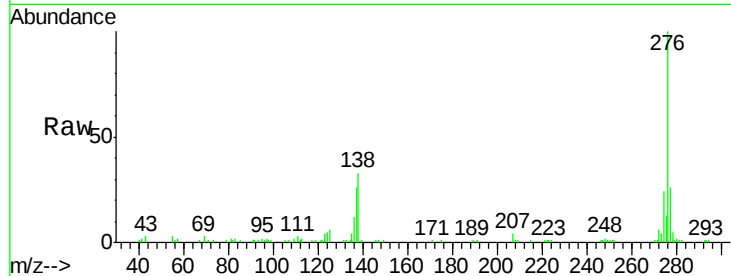
#91
 Benzo(g,h,i)perylene
 Concen: 13.715 ng
 RT: 21.49 min Scan# 3383
 Delta R.T. -0.04 min
 Lab File: BF095893.D
 Acq: 13 Jun 2017 2:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-ADL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	26.4	18.6	28.0
138	33.4	25.4	38.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

