

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095940.D
 Acq On : 15 Jun 2017 00:37
 Operator : SJ/MA
 Sample : I3663-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ONSITE-001-A

Manual Integrations
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Quant Time: Jun 15 03:51:25 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	69136	20.00	ng	-0.06
21) Naphthalene-d8	9.37	136	276017	20.00	ng	-0.06
38) Acenaphthene-d10	12.19	164	114070	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	166354	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	127653	20.00	ng	-0.05
86) Perylene-d12	19.97	264	101491	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	150393	34.66	ng	-0.04
7) Phenol-d6	6.90	99	511865	98.54	ng	-0.05
23) Nitrobenzene-d5	8.25	82	326345	73.43	ng	-0.07
41) 2,4,6-Tribromophenol	13.50	330	4642	4.60	ng	-0.05
44) 2-Fluorobiphenyl	11.15	172	606047	73.93	ng	-0.07
78) Terphenyl-d14	16.96	244	365980	71.15	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	9.40	128	42460	3.07	ng	99
48) Acenaphthylene	11.97	152	26126	2.08	ng	96
49) Dimethylphthalate	11.84	163	76794	8.87	ng	99
51) Acenaphthene	12.24	154	40685	5.61	ng	100
54) Dibenzofuran	12.53	168	38704	3.79	ng	98
57) Fluorene	13.08	166	43658	4.91	ng	98
70) Phenanthrene	14.62	178	626196	65.24	ng	98
71) Anthracene	14.70	178	176119	17.58	ng	97
72) Carbazole	15.01	167	95767	9.81	ng	99
74) Fluoranthene	16.41	202	941914	99.15	ng	98
77) Pyrene	16.71	202	735664	77.24	ng	98
79) Butylbenzylphthalate	17.62	149	9512	2.29	ng	# 77
80) Benzo(a)anthracene	18.29	228	375526	50.60	ng	98
82) Chrysene	18.34	228	346905	46.77	ng	98
83) Bis(2-ethylhexyl)phthalate	18.37	149	257236	43.84	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.14	276	120643	19.01	ng	94
87) Benzo(b)fluoranthene	19.57	252	343909m	54.12	ng	
88) Benzo(k)fluoranthene	19.60	252	132227m	21.77	ng	
89) Benzo(a)pyrene	19.92	252	230355	39.44	ng	98
90) Dibenzo(a,h)anthracene	21.14	278	47985	9.68	ng	# 92
91) Benzo(g,h,i)perylene	21.48	276	108936	21.57	ng	96

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

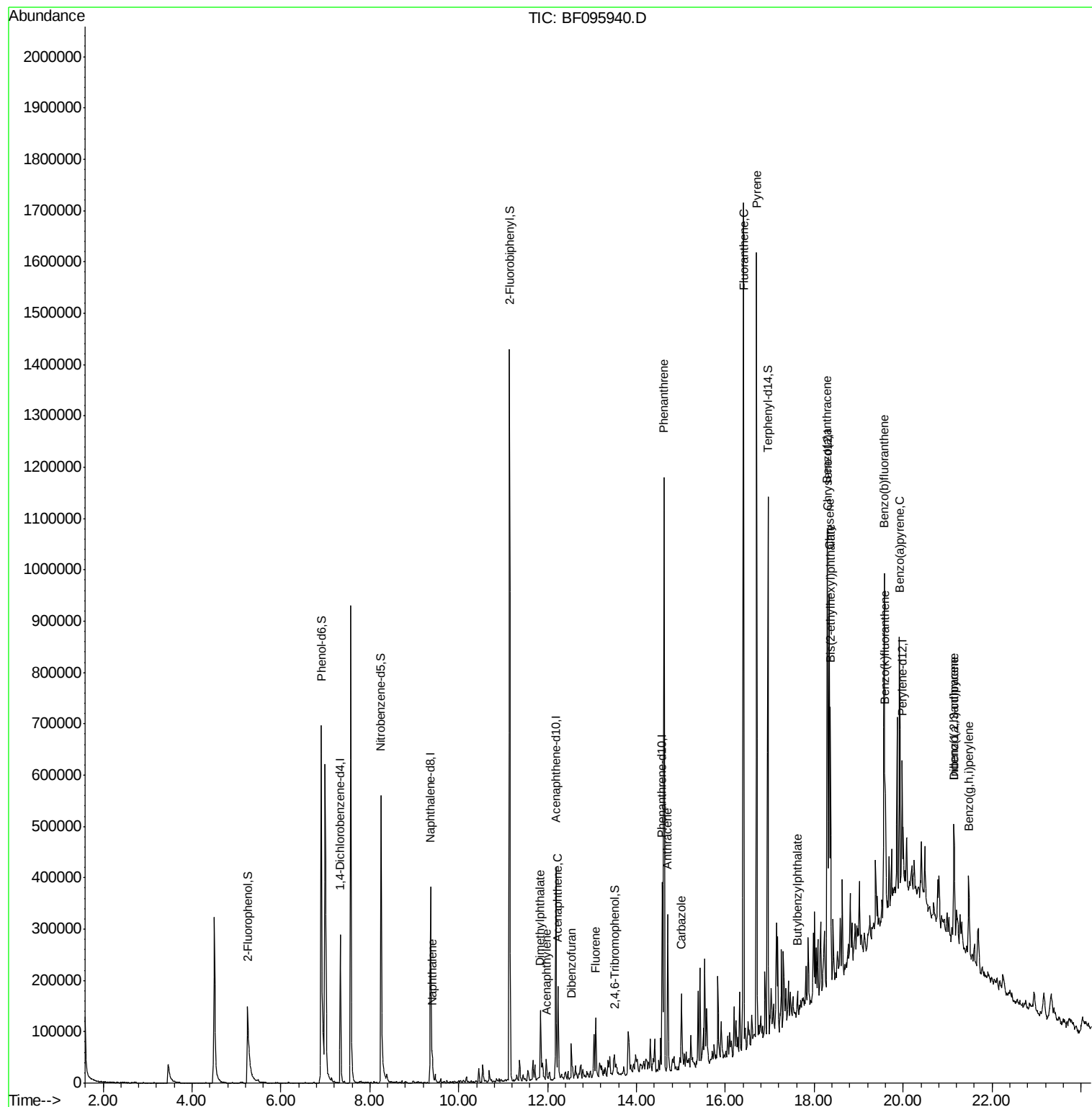
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
Data File : BF095940.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

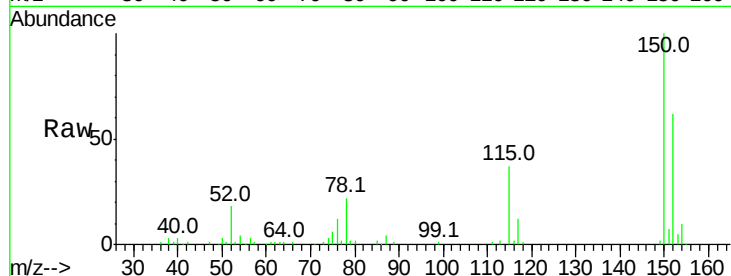
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

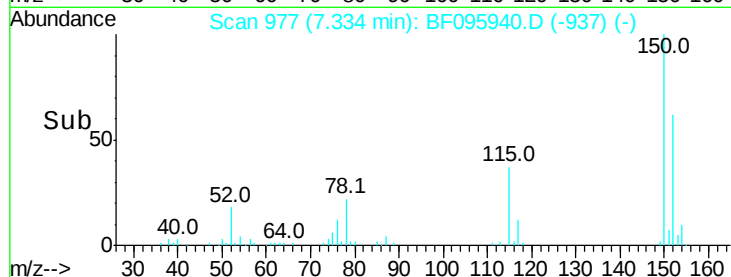
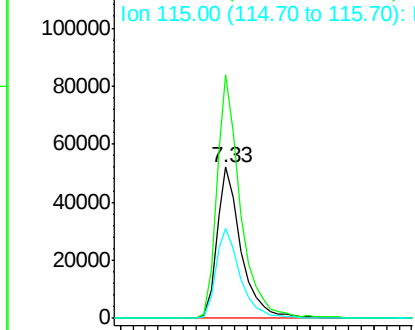
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	126.2	189.2
115	59.3	52.2	78.2

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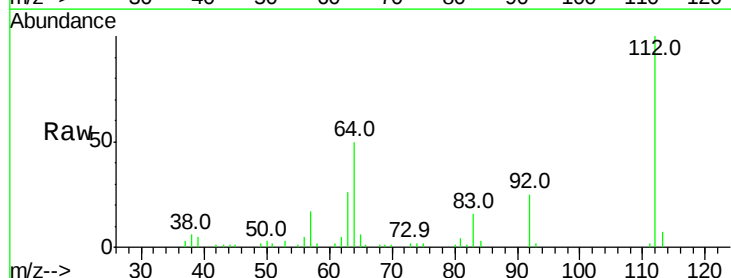
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



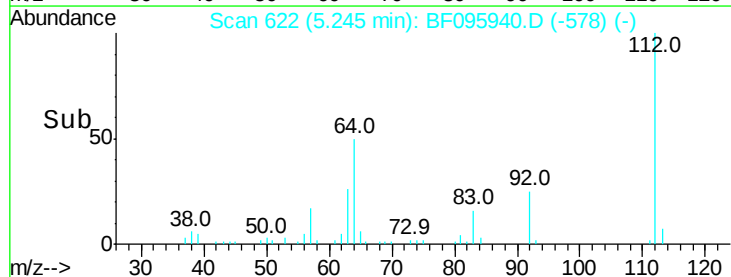
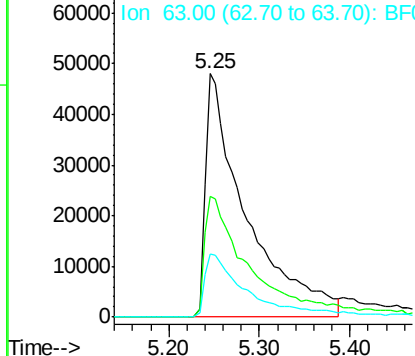
#5

2-Fluorophenol
Concen: 34.66 ng
RT: 5.25 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.5	46.0	69.0
63	26.0	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: 98.54 ng

RT: 6.90 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF095940.D

Acq: 15 Jun 2017 00:37

Instrument :

BNA_F

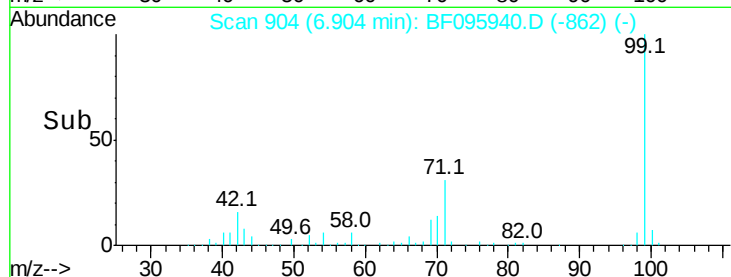
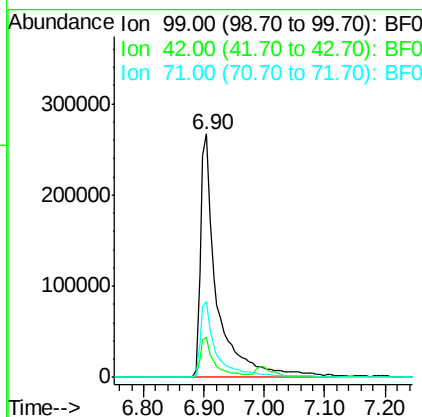
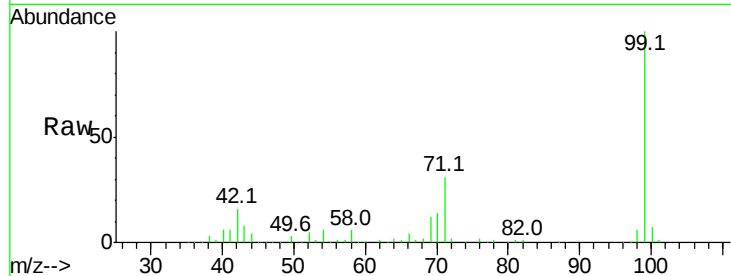
ClientSampleId :

ONSITE-001-A

Tot Ion:	99	Resp:	511865
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	31.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

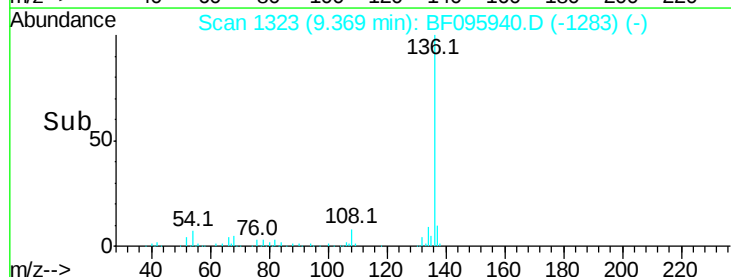
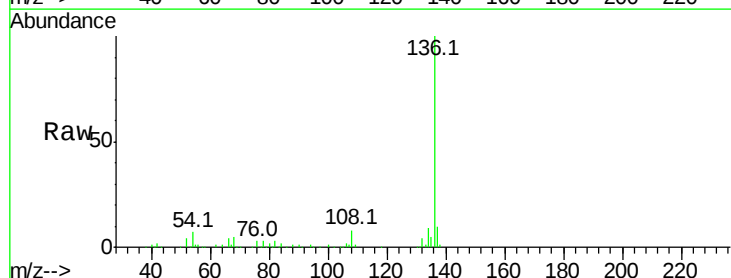
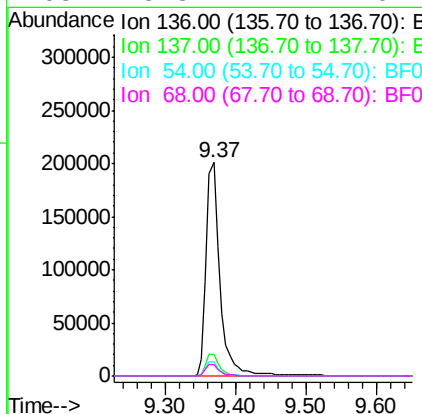
RT: 9.37 min Scan# 1323

Delta R.T. -0.06 min

Lab File: BF095940.D

Acq: 15 Jun 2017 00:37

Tgt Ion:	136	Resp:	276017
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	6.7	4.9	7.3
68	5.3	4.1	6.1





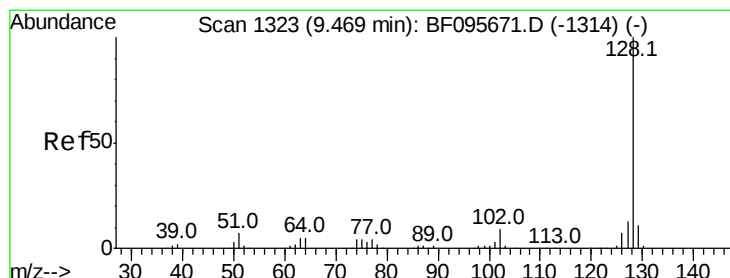
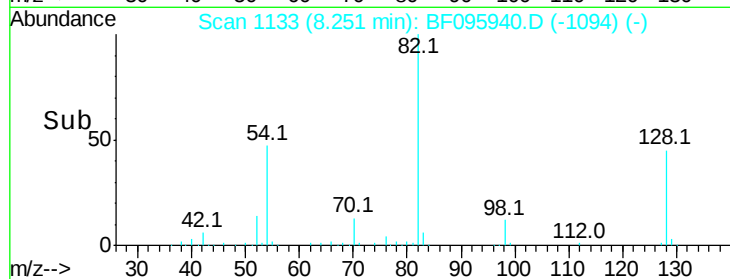
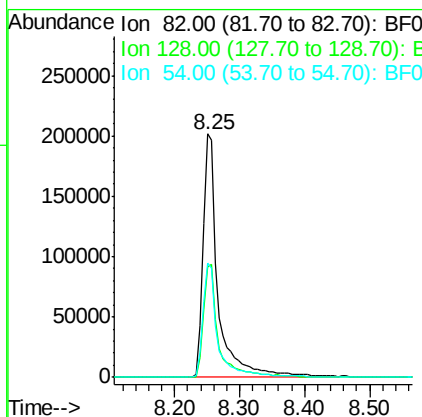
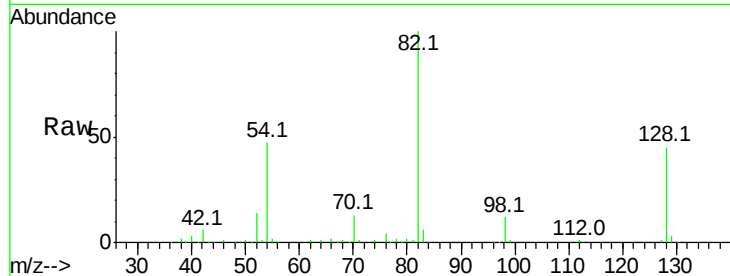
#23
Nitrobenzene-d5
Concen: 73.43 ng
RT: 8.25 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.0	51.0
54	47.0	42.2	63.2

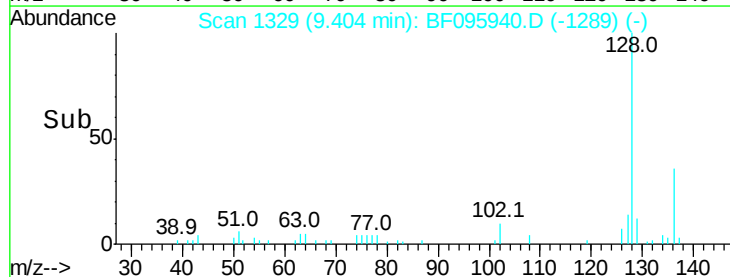
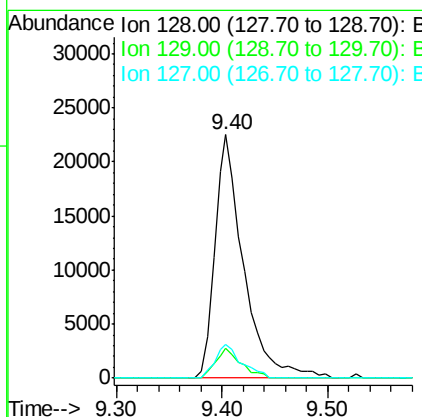
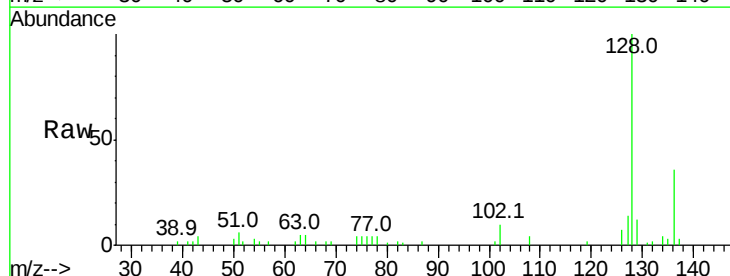
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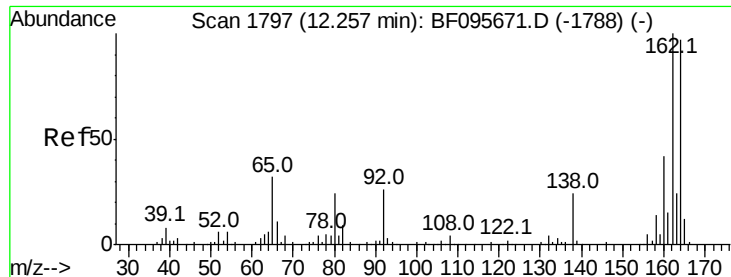
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#31
Naphthalene
Concen: 3.07 ng
RT: 9.40 min Scan# 1329
Delta R.T. -0.06 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.0	13.6
127	13.7	10.8	16.2





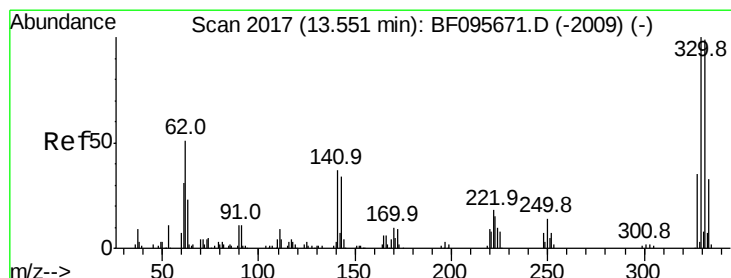
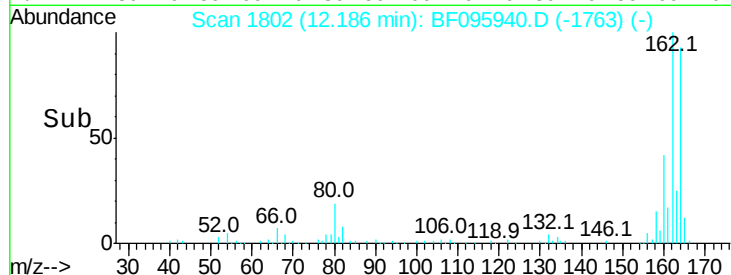
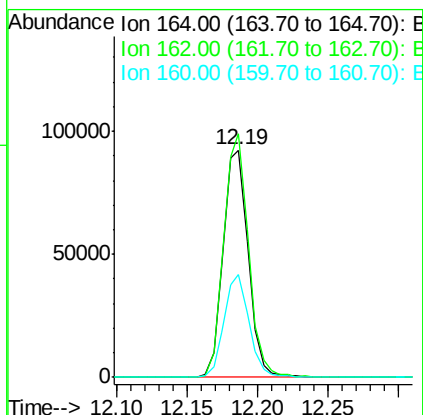
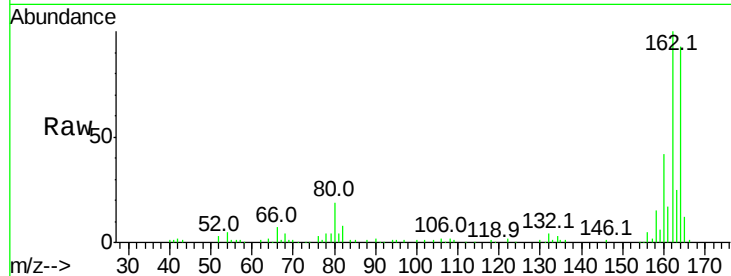
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.19 min Scan# 1802
Delta R.T. -0.07 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.3	82.6	123.8
160	45.4	36.2	54.2

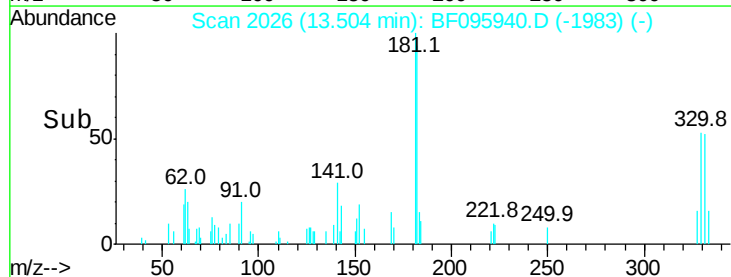
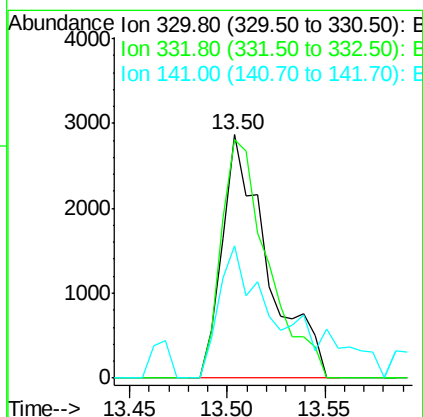
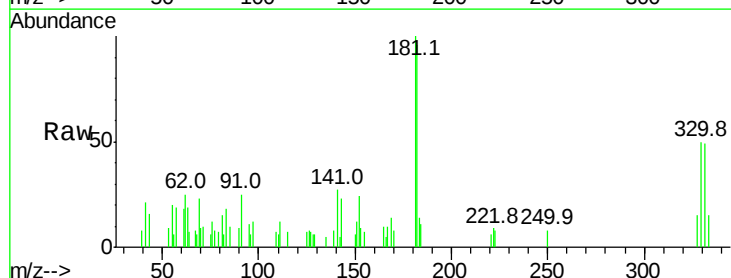
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#41
2,4,6-Tribromophenol
Concen: 4.60 ng
RT: 13.50 min Scan# 2026
Delta R.T. -0.05 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.3	76.6	115.0
141	77.8	31.4	47.2





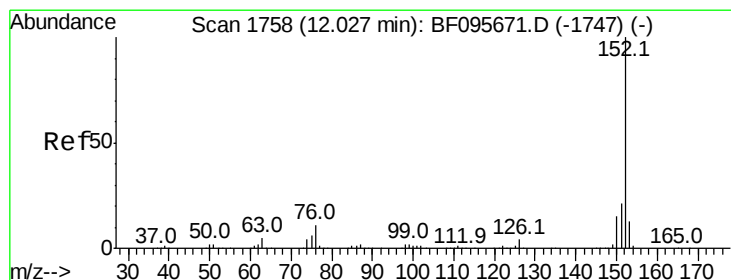
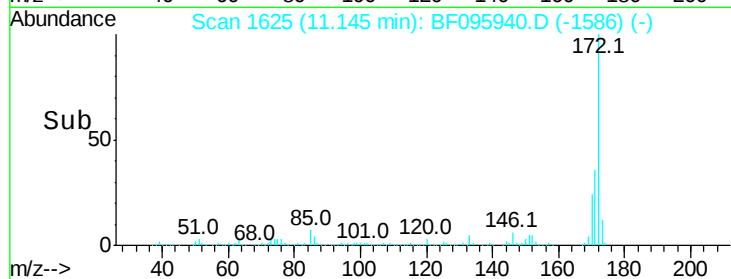
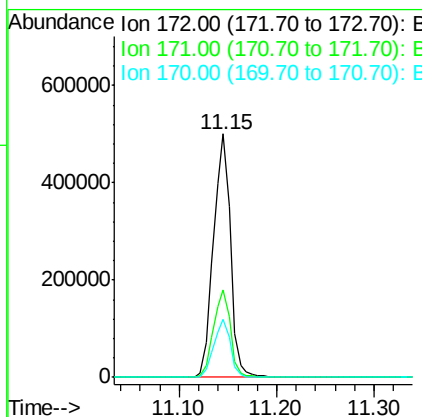
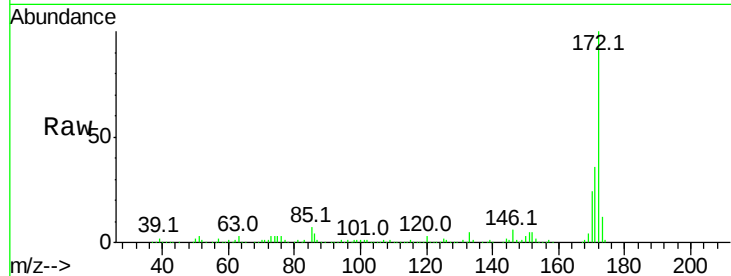
#44
2-Fluorobiphenyl
Concen: 73.93 ng
RT: 11.15 min Scan# 1625
Delta R.T. -0.07 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.9	19.8	29.8

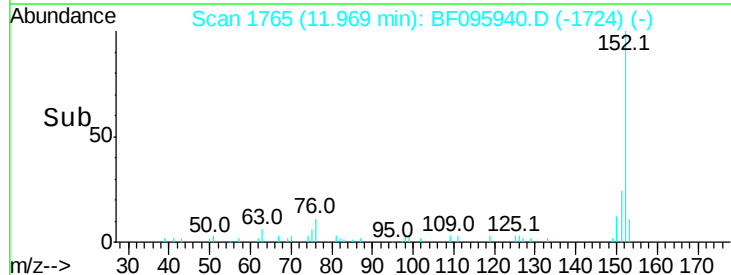
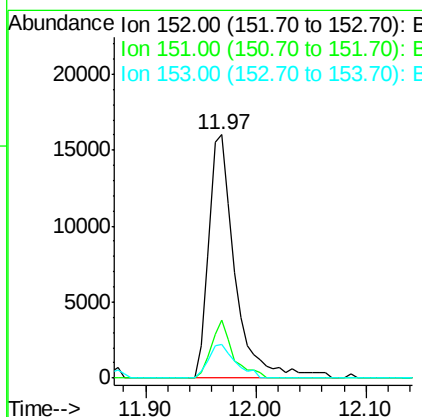
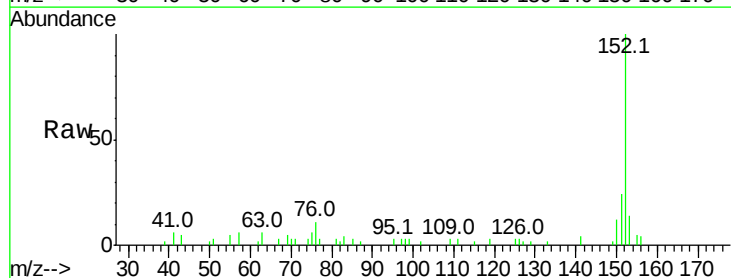
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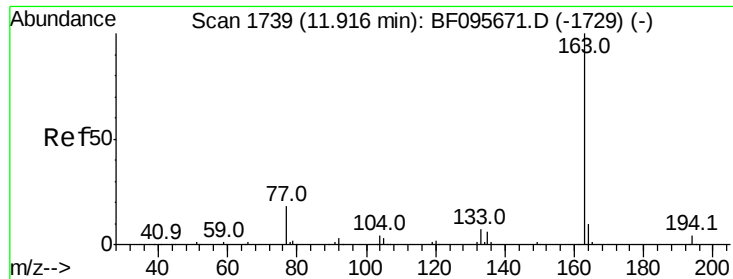
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#48
Acenaphthylene
Concen: 2.08 ng
RT: 11.97 min Scan# 1765
Delta R.T. -0.06 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.8	16.8	25.2
153	13.7	10.8	16.2





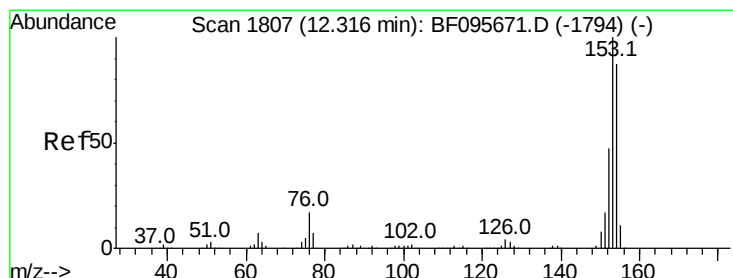
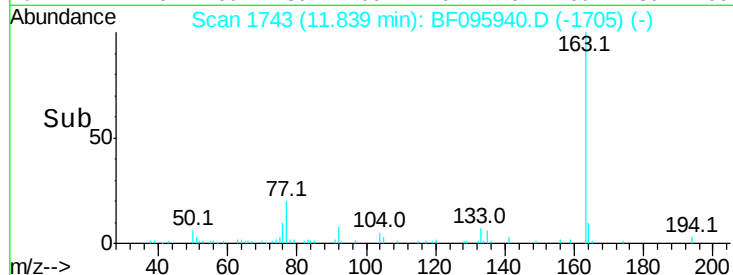
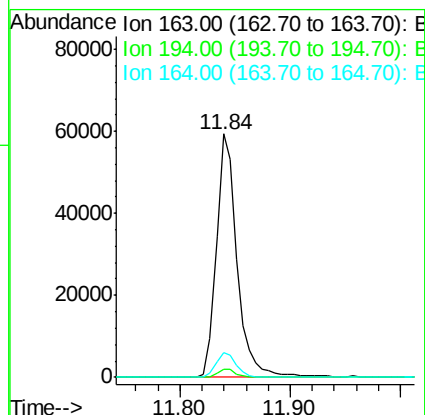
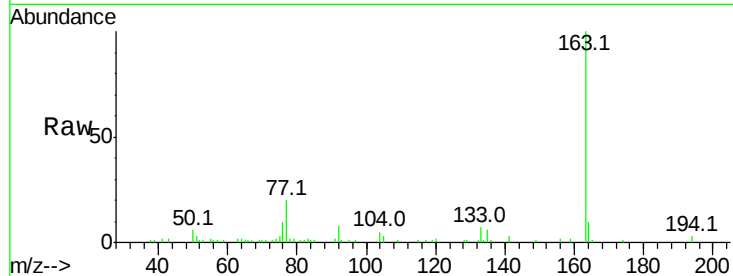
#49
Dimethylphthalate
Concen: 8.87 ng
RT: 11.84 min Scan# 1743
Delta R.T. -0.08 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

Tot Ion:	163	Resp:	76794
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.6	4.0
164	10.1	8.4	12.6

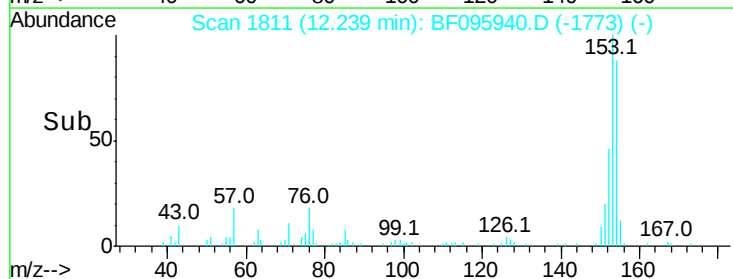
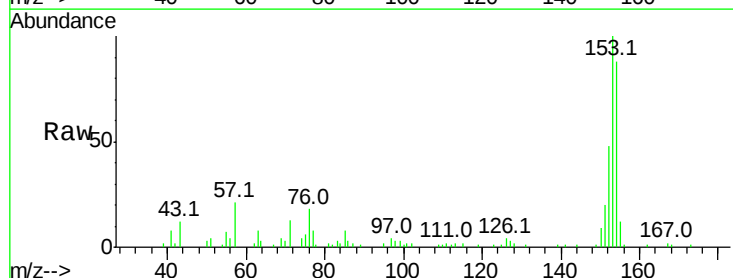
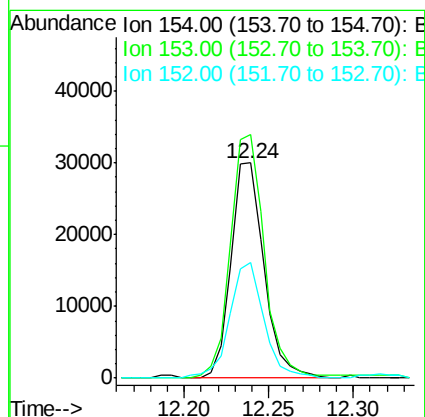
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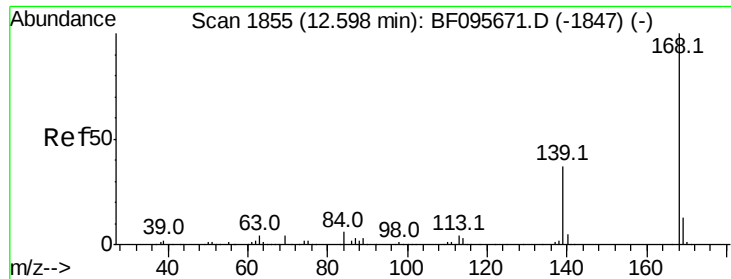
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#51
Acenaphthene
Concen: 5.61 ng
RT: 12.24 min Scan# 1811
Delta R.T. -0.08 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Tgt Ion:	154	Resp:	40685
Ion Ratio	Lower	Upper	
154	100		
153	113.2	90.5	135.7
152	53.8	43.6	65.4





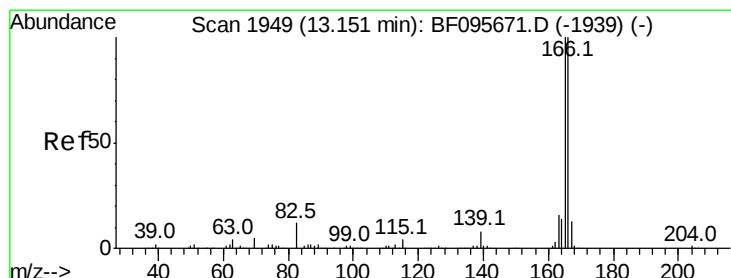
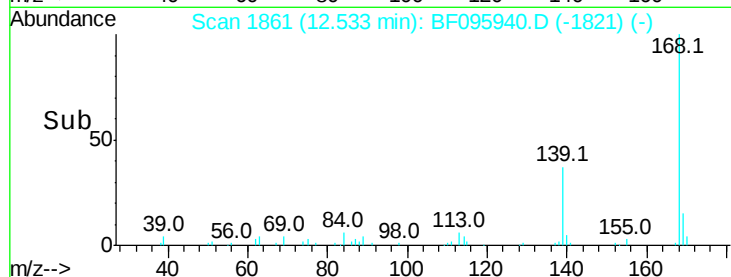
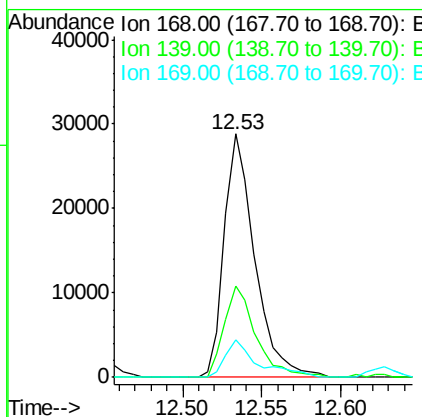
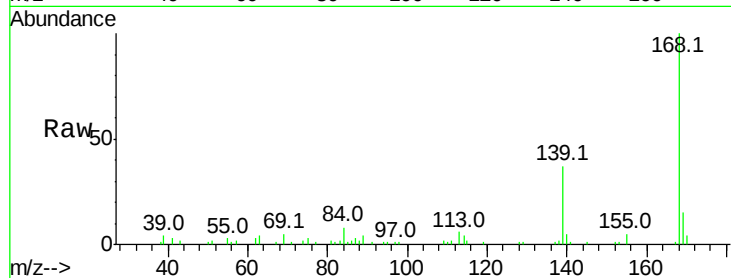
#54
Dibenzenofuran
Concen: 3.79 ng
RT: 12.53 min Scan# 1861
Delta R.T. -0.06 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.6	45.8
169	15.2	10.8	16.2

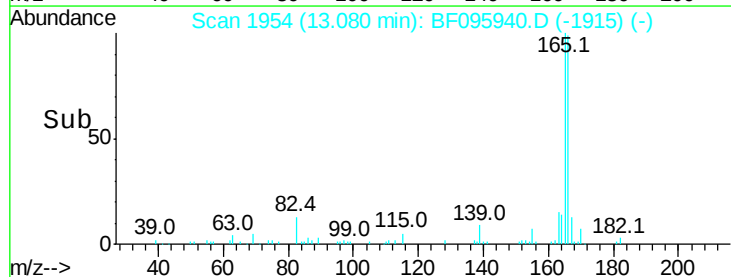
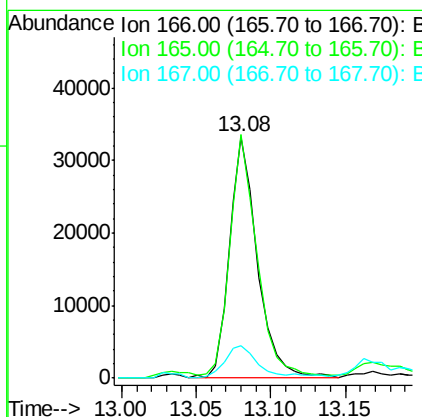
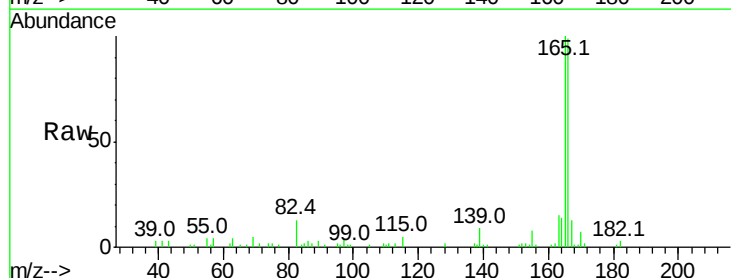
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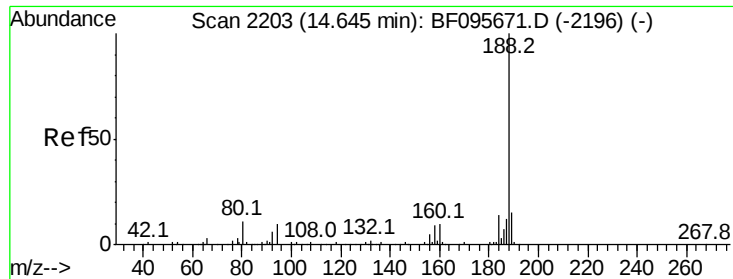
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#57
Fluorene
Concen: 4.91 ng
RT: 13.08 min Scan# 1954
Delta R.T. -0.07 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.8	118.2
167	13.5	10.6	16.0





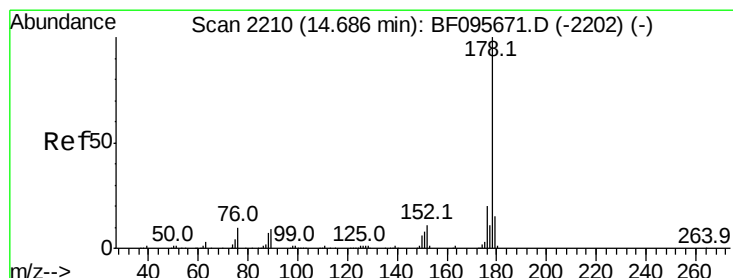
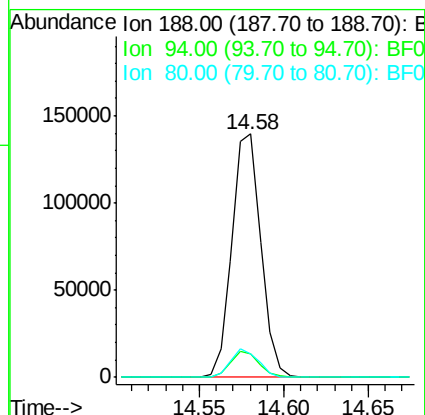
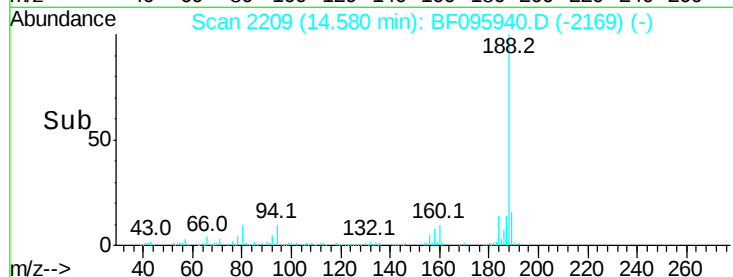
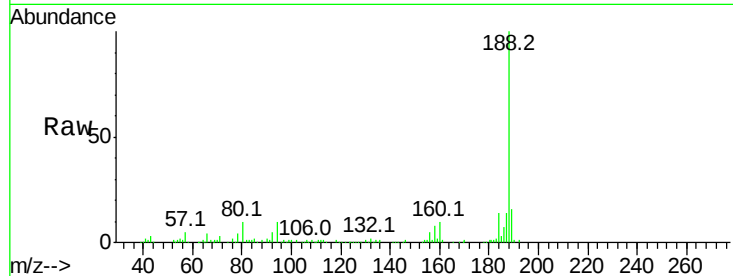
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	9.4	14.2
80	9.7	10.2	15.2#

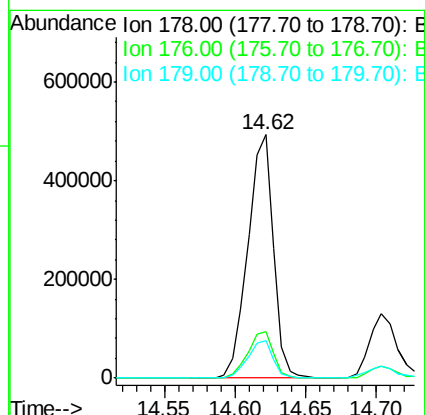
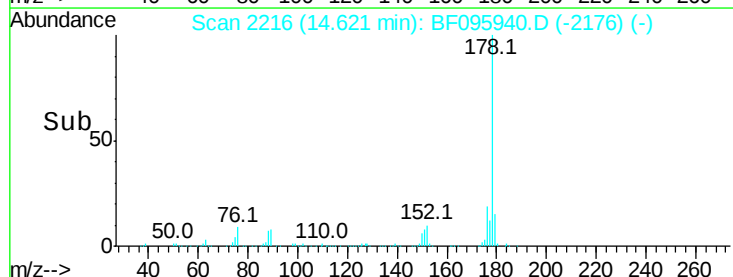
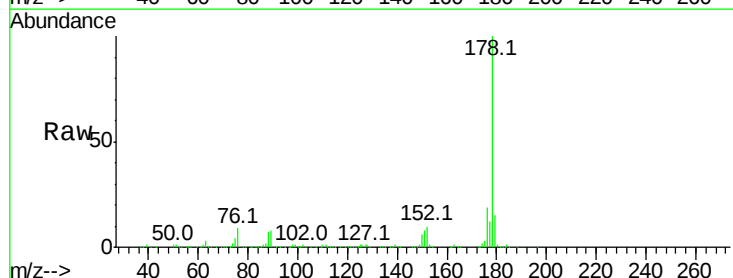
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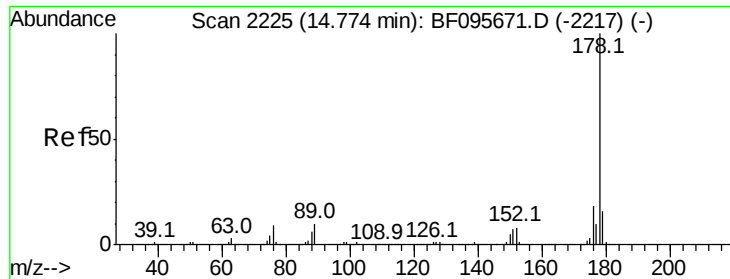
mohammad
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#70
Phenanthrene
Concen: 65.24 ng
RT: 14.62 min Scan# 2216
Delta R.T. -0.06 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

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





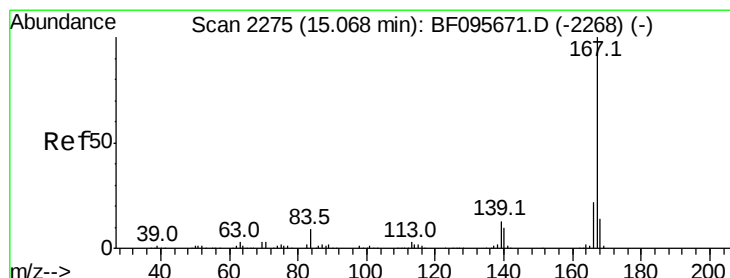
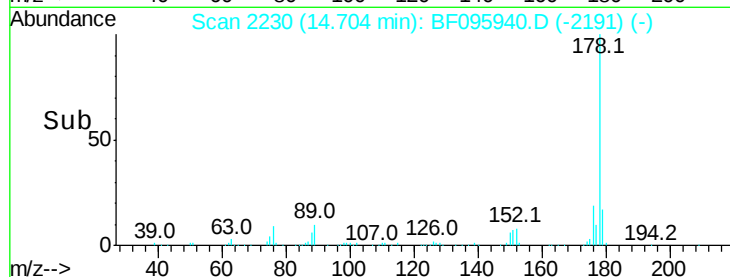
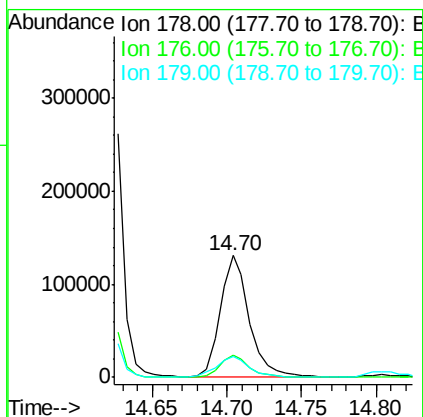
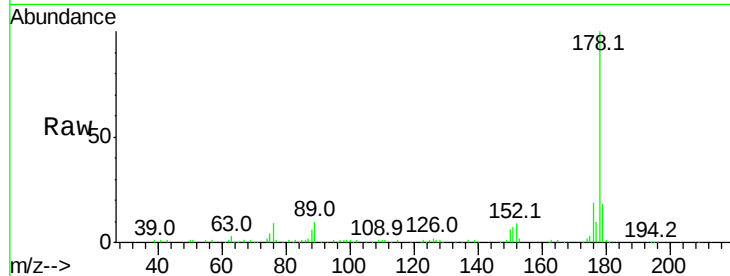
#71
 Anthracene
 Concen: 17.58 ng
 RT: 14.70 min Scan# 2230
 Delta R.T. -0.07 min
 Lab File: BF095940.D
 Acq: 15 Jun 2017 00:37

Instrument :
 BNA_F
 ClientSampleId :
 ONSITE-001-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	17.7	12.7	19.1

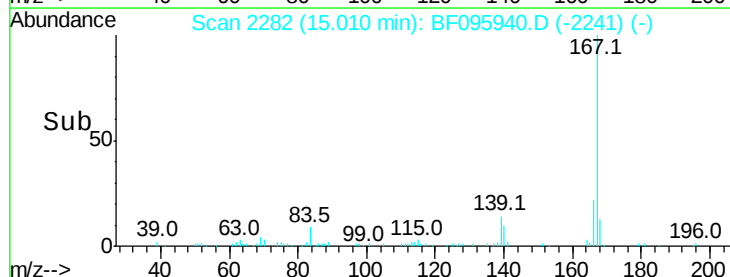
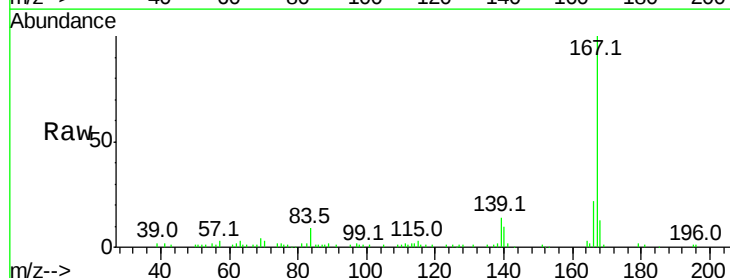
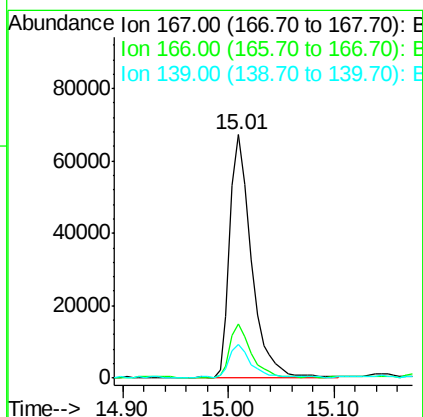
Manual Integrations
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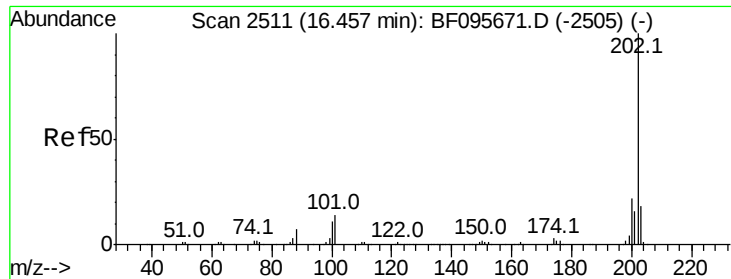
mohammad
 6/15/2017 3:55:37 PM



#72
 Carbazole
 Concen: 9.81 ng
 RT: 15.01 min Scan# 2282
 Delta R.T. -0.06 min
 Lab File: BF095940.D
 Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	13.7	11.7	17.5





#74

Fluoranthene

Concen: 99.15 ng

RT: 16.41 min Scan# 2520

Delta R.T. -0.05 min

Lab File: BF095940.D

Acq: 15 Jun 2017 00:37

Instrument :

BNA_F

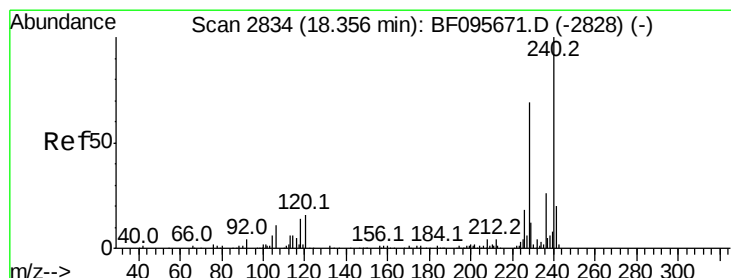
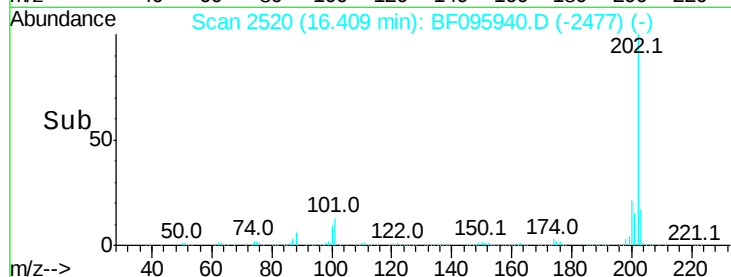
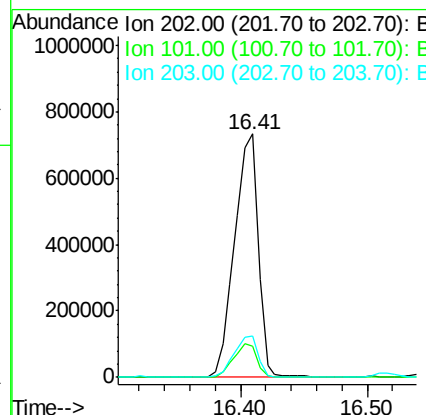
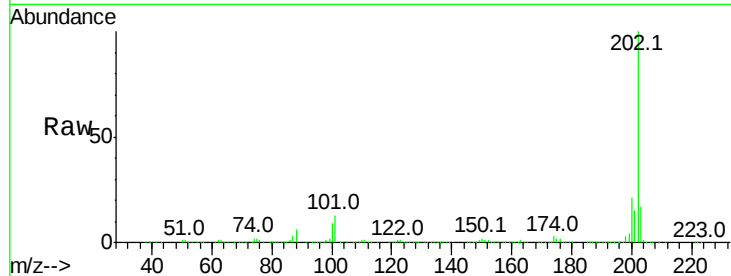
ClientSampleId :

ONSITE-001-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100	941914		
101	12.8	0.0	33.2	
203	17.2	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

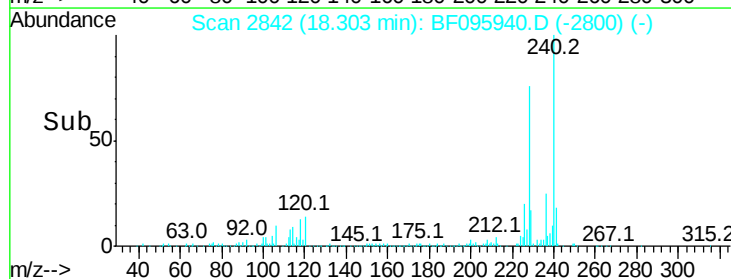
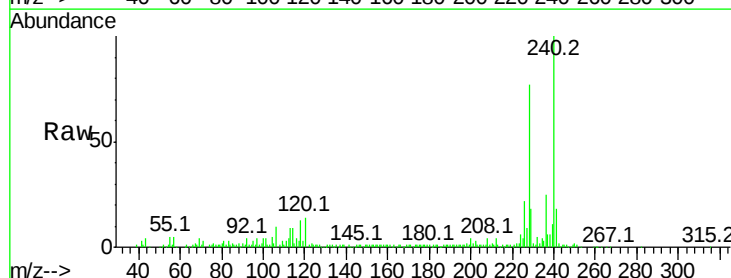
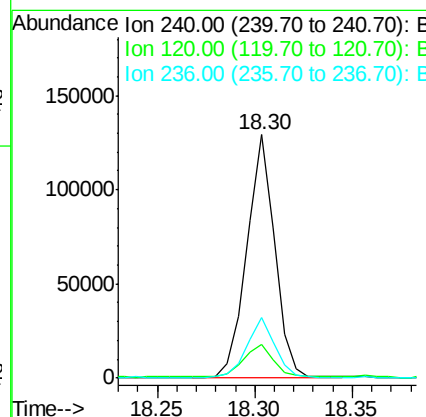
RT: 18.30 min Scan# 2842

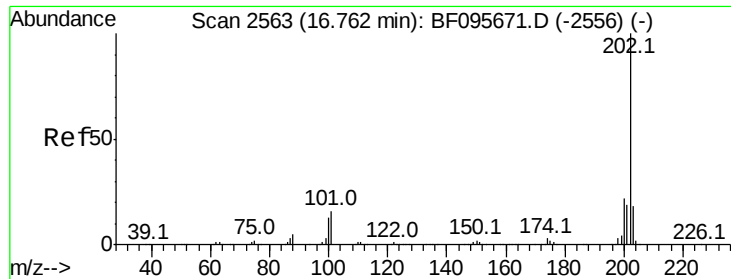
Delta R.T. -0.05 min

Lab File: BF095940.D

Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	127653		
120	14.1	5.8	8.8#	
236	25.0	20.5	30.7	





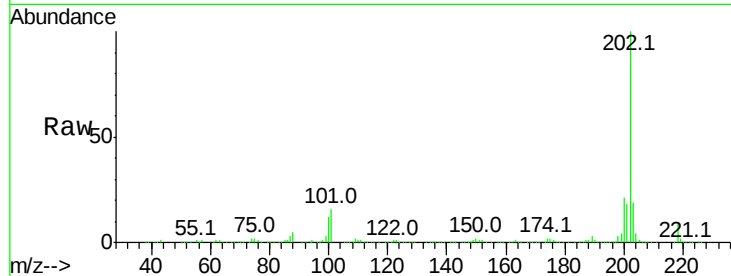
#77
Pvrene
Concen: 77.24 ng
RT: 16.71 min Scan# 2571
Delta R.T. -0.05 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

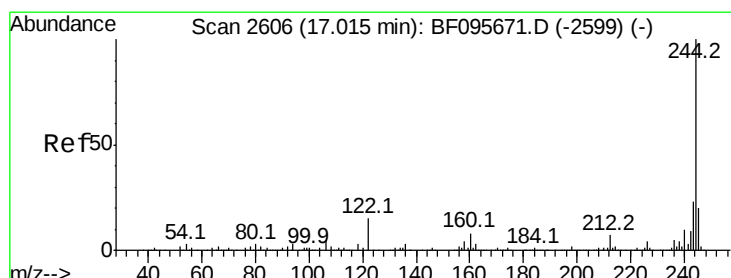
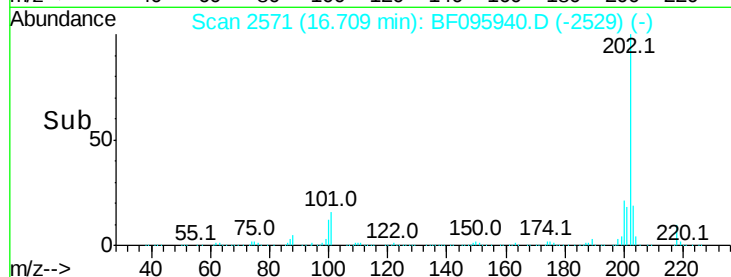
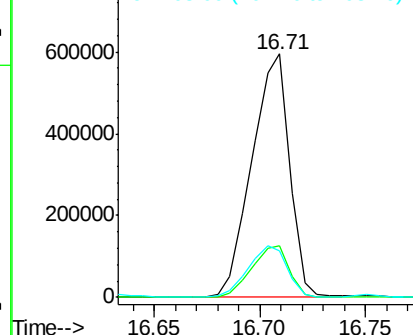
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.0	14.4	21.6

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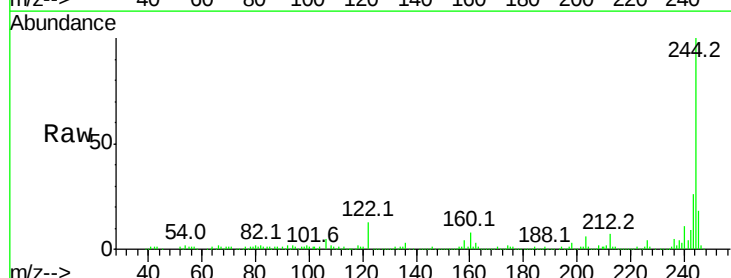


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

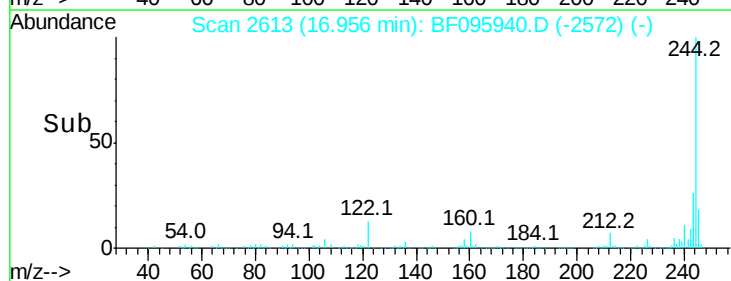
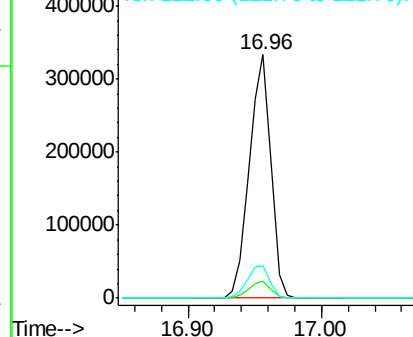


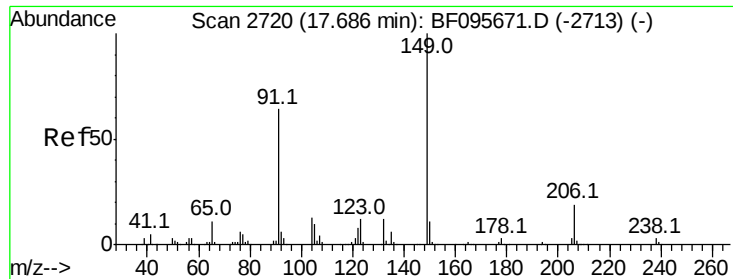
#78
Terphenyl-d14
Concen: 71.15 ng
RT: 16.96 min Scan# 2613
Delta R.T. -0.06 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.4	10.3	15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





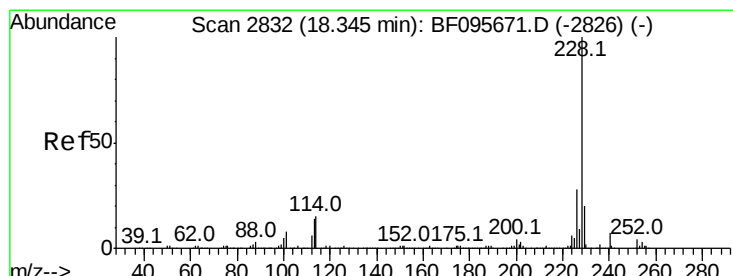
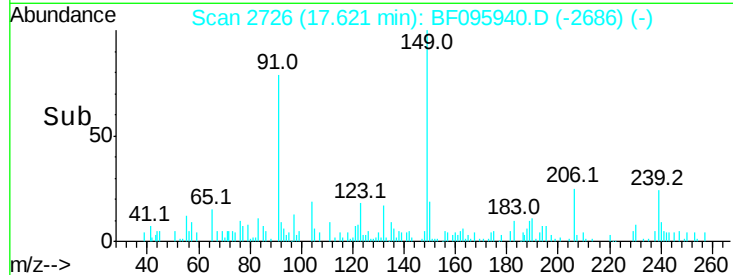
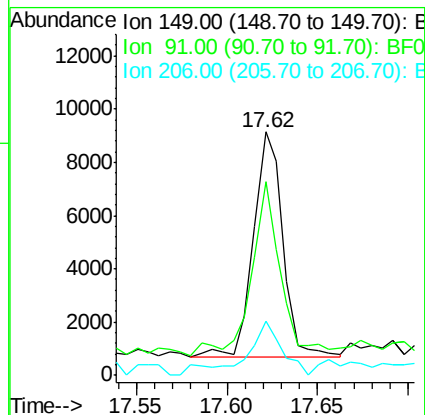
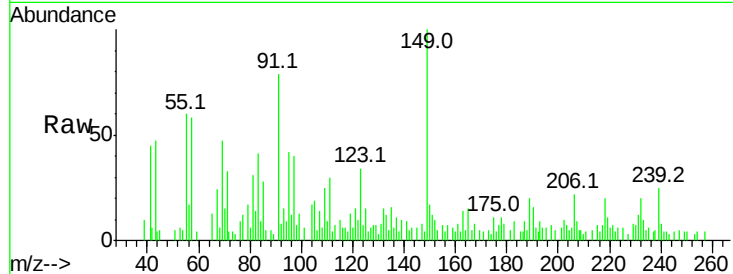
#79
Butylbenzylphthalate
Concen: 2.29 ng
RT: 17.62 min Scan# 2726
Delta R.T. -0.06 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

Tot Ion	Ratio	Lower	Upper
149	100		
91	79.3	45.0	67.4#
206	22.1	17.0	25.6

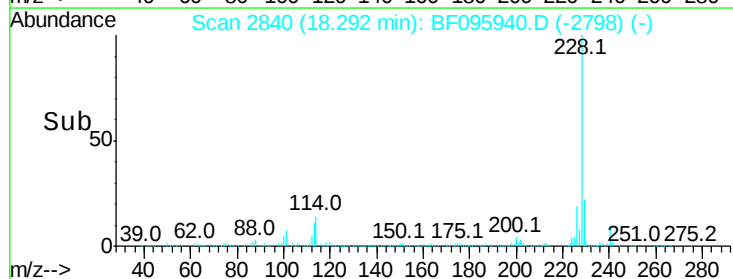
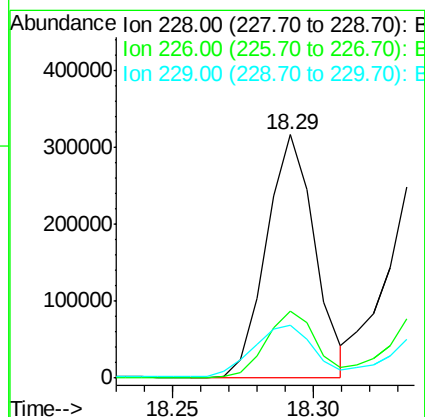
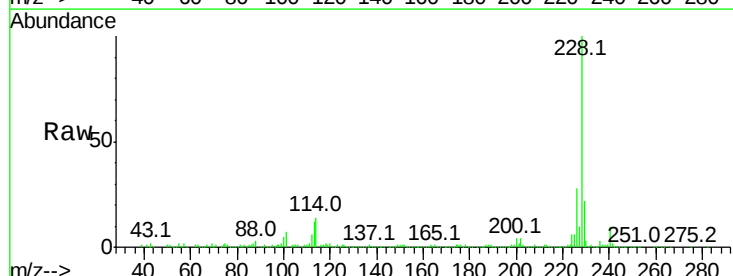
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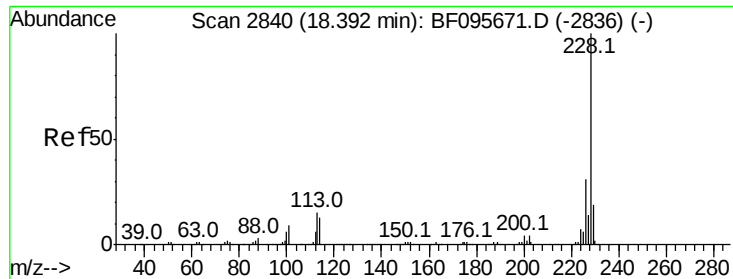
mohammad
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#80
Benzo(a)anthracene
Concen: 50.60 ng
RT: 18.29 min Scan# 2840
Delta R.T. -0.05 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	21.9	16.3	24.5





#82

Chrysene

Concen: 46.77 ng

RT: 18.34 min Scan# 2848

Delta R.T. -0.05 min

Lab File: BF095940.D

Acq: 15 Jun 2017 00:37

Instrument :

BNA_F

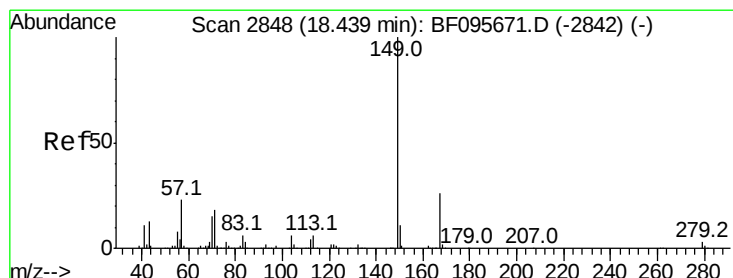
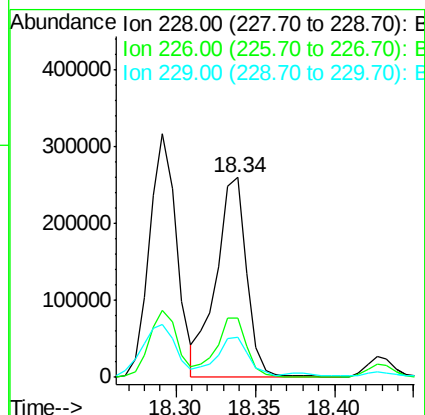
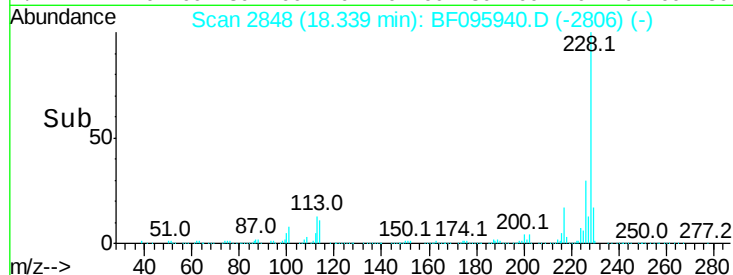
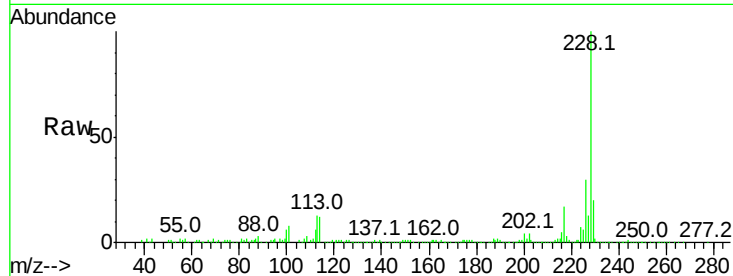
ClientSampleId :

ONSITE-001-A

Tot Ion:	228	Resp:	346905
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.9	37.3
229	19.9	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 43.84 ng

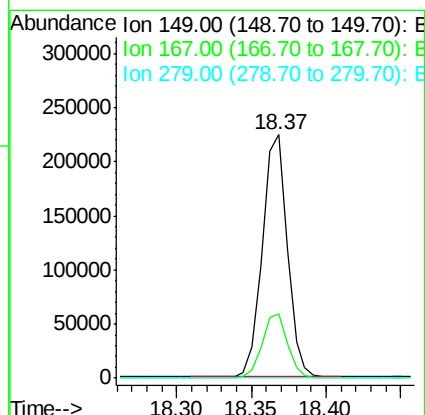
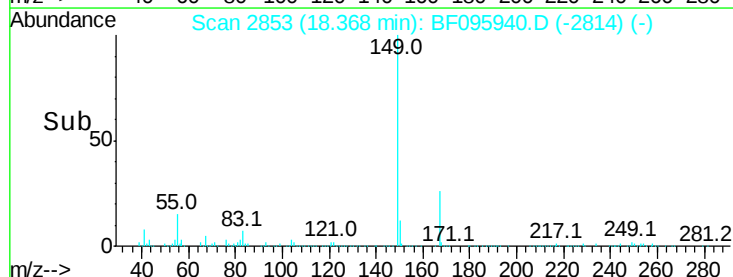
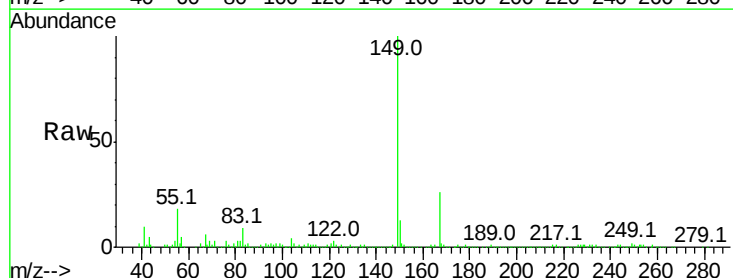
RT: 18.37 min Scan# 2853

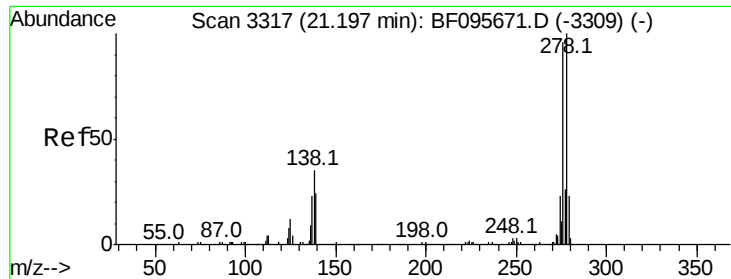
Delta R.T. -0.07 min

Lab File: BF095940.D

Acq: 15 Jun 2017 00:37

Tgt Ion:	149	Resp:	257236
Ion Ratio	Lower	Upper	
149	100		
167	26.3	21.0	31.4
279	0.2	1.9	2.9#





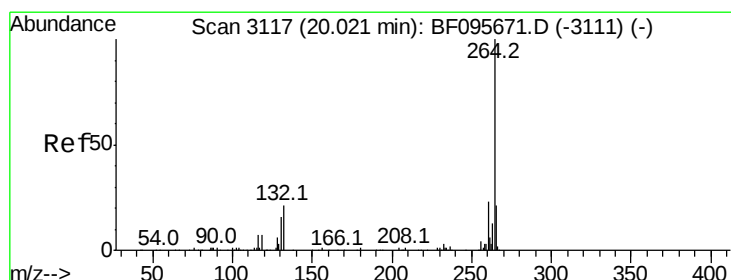
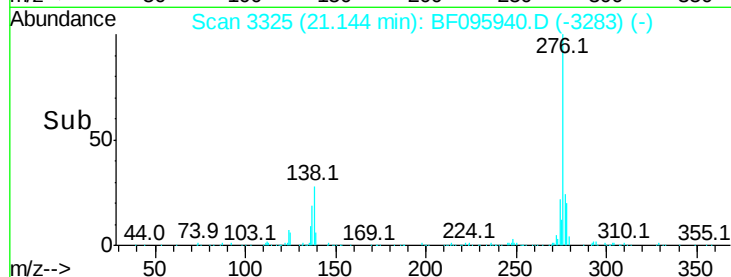
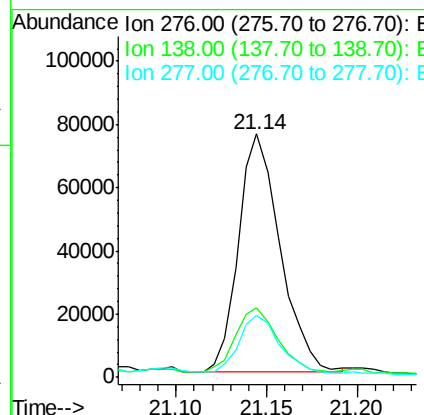
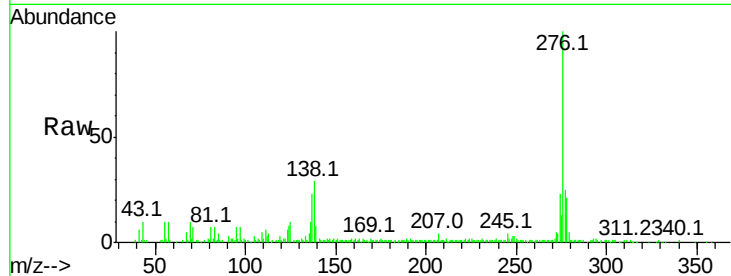
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.01 ng
 RT: 21.14 min Scan# 3325
 Delta R.T. -0.05 min
 Lab File: BF095940.D
 Acq: 15 Jun 2017 00:37

Instrument :
 BNA_F
 ClientSampleId :
 ONSITE-001-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	27.8	41.6
277	24.0	20.2	30.4

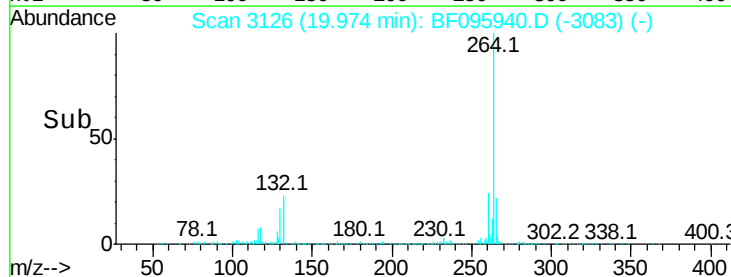
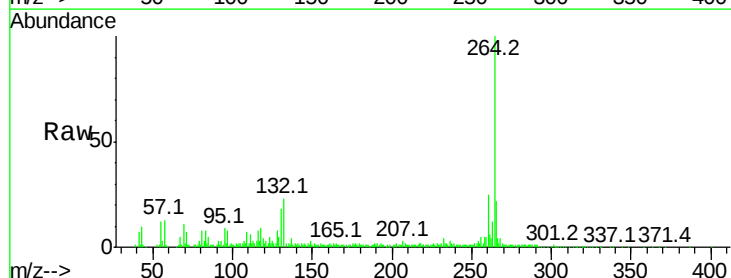
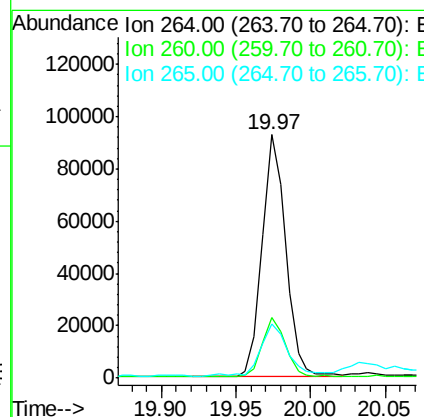
Manual Integrations
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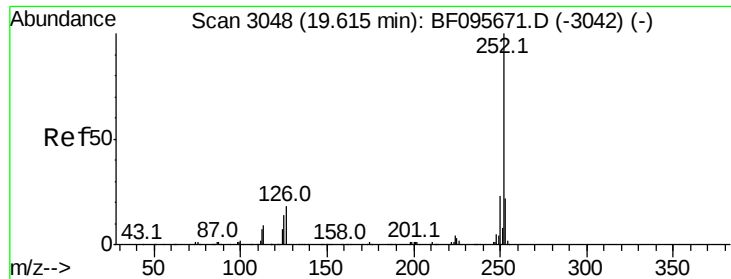
mohammad
 6/15/2017 3:55:37 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.97 min Scan# 3126
 Delta R.T. -0.05 min
 Lab File: BF095940.D
 Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 54.12 ng m

RT: 19.57 min Scan# 3058

Delta R.T. -0.04 min

Lab File: BF095940.D

Acq: 15 Jun 2017 00:37

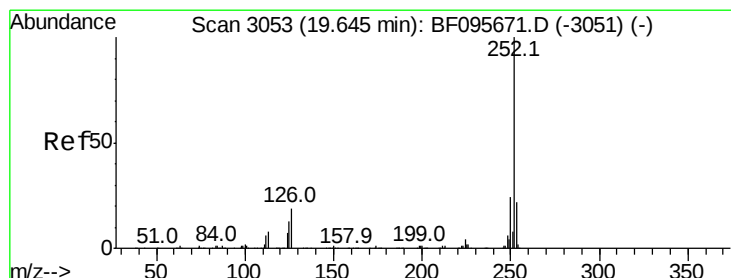
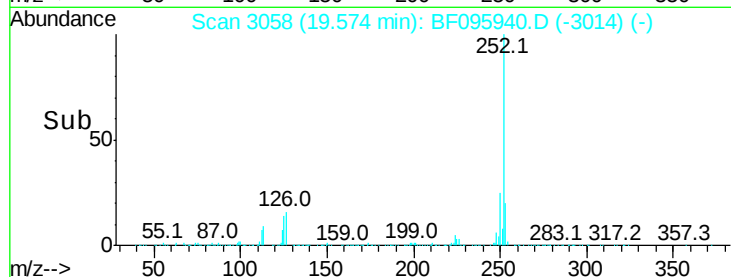
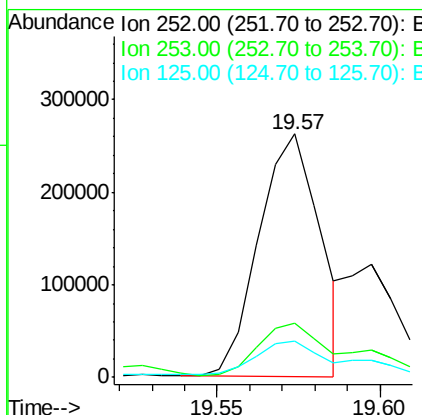
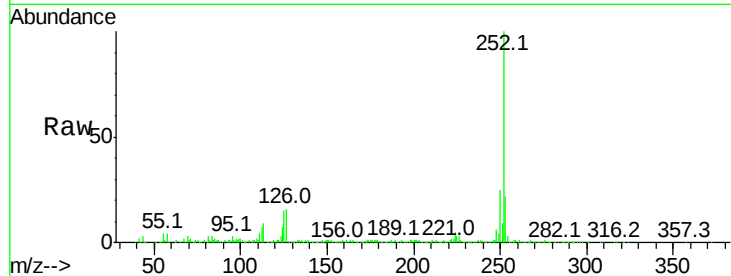
Instrument :
BNA_F

ClientSampleId :
ONSITE-001-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	14.8	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 21.77 ng m

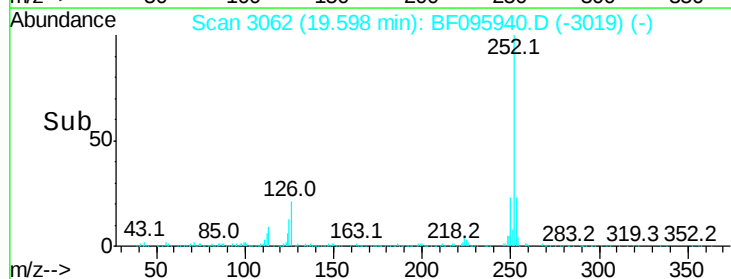
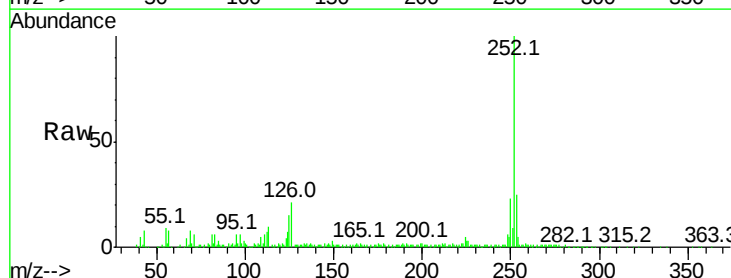
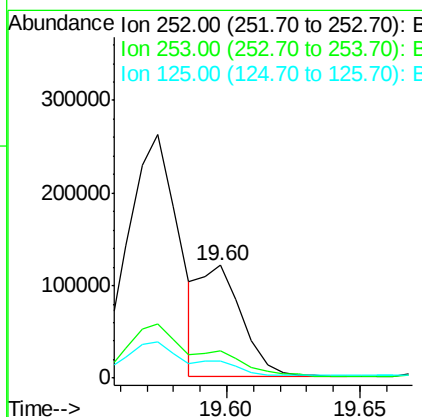
RT: 19.60 min Scan# 3062

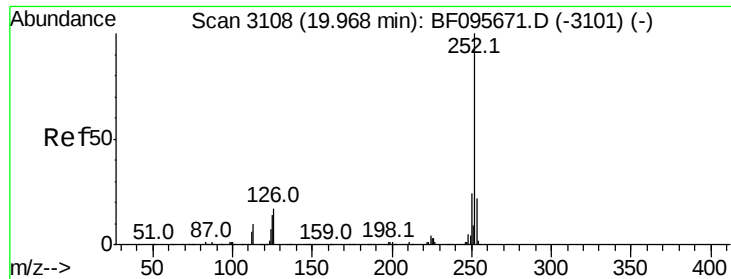
Delta R.T. -0.05 min

Lab File: BF095940.D

Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	15.0	13.1	19.7





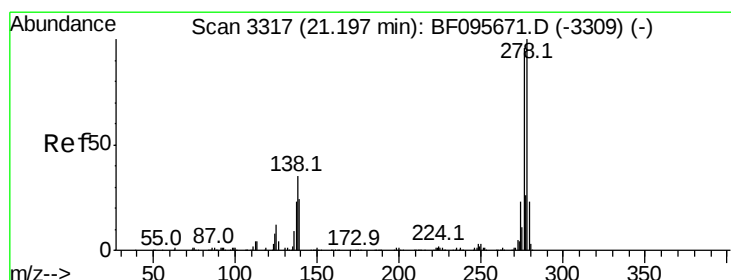
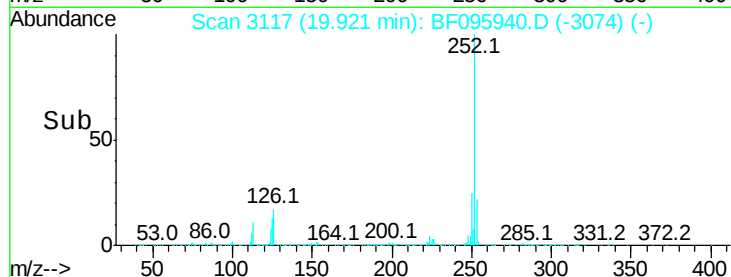
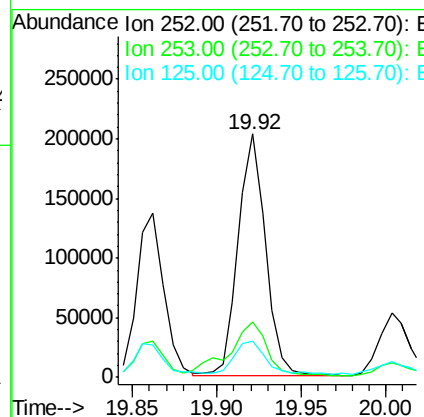
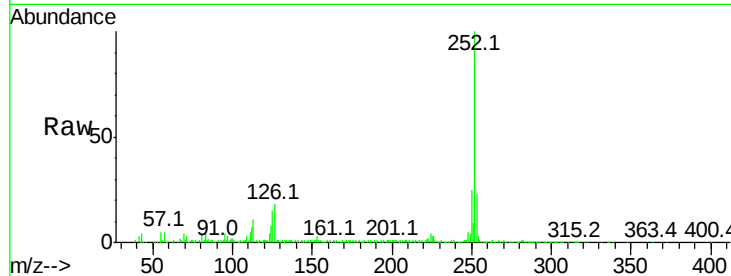
#89
Benzo(a)pyrene
Concen: 39.44 ng
RT: 19.92 min Scan# 3117
Delta R.T. -0.05 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	14.8	11.0	16.4

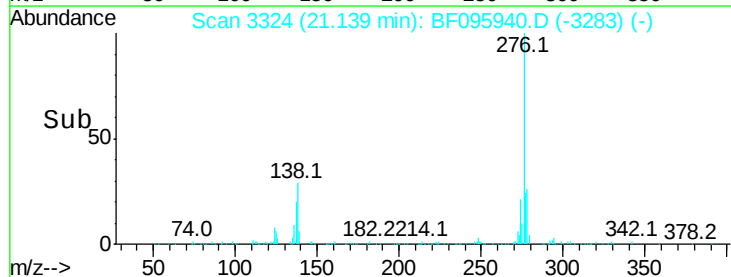
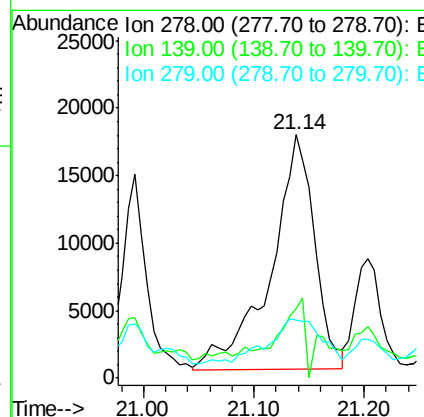
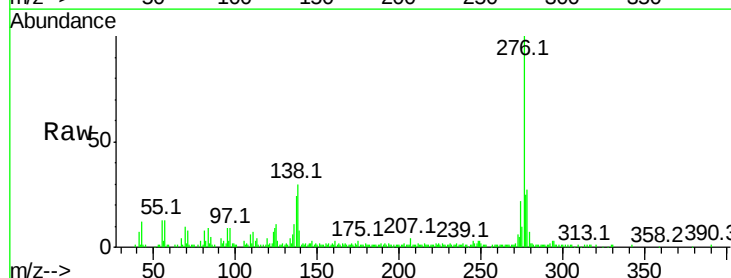
Manual Integrations
APPROVED

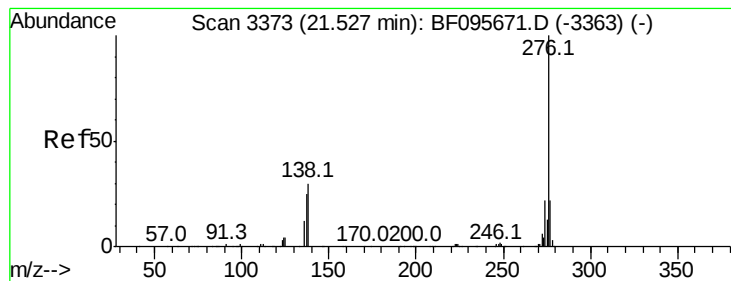
mohammad
6/15/2017 3:55:37 PM



#90
Dibenzo(a,h)anthracene
Concen: 9.68 ng
RT: 21.14 min Scan# 3324
Delta R.T. -0.06 min
Lab File: BF095940.D
Acq: 15 Jun 2017 00:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.5	16.6	24.8#
279	24.0	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 21.57 ng

RT: 21.48 min Scan# 3382

Delta R.T. -0.05 min

Lab File: BF095940.D

Acq: 15 Jun 2017 00:37

Instrument :

BNA_F

ClientSampleId :

ONSITE-001-A

Tot Ion:	276	Resp:	108936
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.6	28.0
138	29.1	25.4	38.0

Manual Integrations
APPROVED

mohammad
6/15/2017 3:55:37 PM

