

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095941.D
 Acq On : 15 Jun 2017 1:09
 Operator : SJ/MA
 Sample : I3663-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ONSITE-001-B

Manual Integrations
 APPROVED

mohammad
 6/15/2017 3:55:40 PM

Quant Time: Jun 15 04:07:12 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	69257	20.00	ng	-0.06
21) Naphthalene-d8	9.36	136	271222	20.00	ng	-0.07
38) Acenaphthene-d10	12.19	164	110650	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	165242	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	132955	20.00	ng	-0.05
86) Perylene-d12	19.97	264	96484	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	27187	6.26	ng	0.02
7) Phenol-d6	6.90	99	361606	69.50	ng	-0.05
23) Nitrobenzene-d5	8.25	82	296563	67.91	ng	-0.07
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.15	172	560100	70.44	ng	-0.07
78) Terphenyl-d14	16.96	244	346973	64.77	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	9.40	128	84320	6.19	ng	100
37) 2-Methylnaphthalene	10.53	142	32381	3.52	ng	96
49) Dimethylphthalate	11.84	163	88381	10.52	ng	100
51) Acenaphthene	12.23	154	50663	7.20	ng	96
54) Dibenzofuran	12.53	168	57371	5.79	ng	95
57) Fluorene	13.08	166	56956	6.61	ng	98
70) Phenanthrene	14.62	178	518676	54.40	ng	97
71) Anthracene	14.70	178	141871	14.25	ng	95
72) Carbazole	15.01	167	60503	6.24	ng	97
74) Fluoranthene	16.40	202	538287	57.04	ng	99
77) Pyrene	16.70	202	443830	44.74	ng	# 96
80) Benzo(a)anthracene	18.29	228	197067	25.49	ng	98
82) Chrysene	18.33	228	178490	23.11	ng	99
83) Bis(2-ethylhexyl)phthalate	18.37	149	153547	25.12	ng	# 98
85) Indeno(1,2,3-cd)pyrene	21.15	276	57936m	8.77	ng	
87) Benzo(b)fluoranthene	19.57	252	175664m	29.08	ng	
88) Benzo(k)fluoranthene	19.60	252	46666m	8.08	ng	
89) Benzo(a)pyrene	19.92	252	114334	20.59	ng	# 95
90) Dibenzo(a,h)anthracene	21.14	278	16566	3.52	ng	# 74
91) Benzo(a,h,i)perylene	21.48	276	53181	11.07	ng	96

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

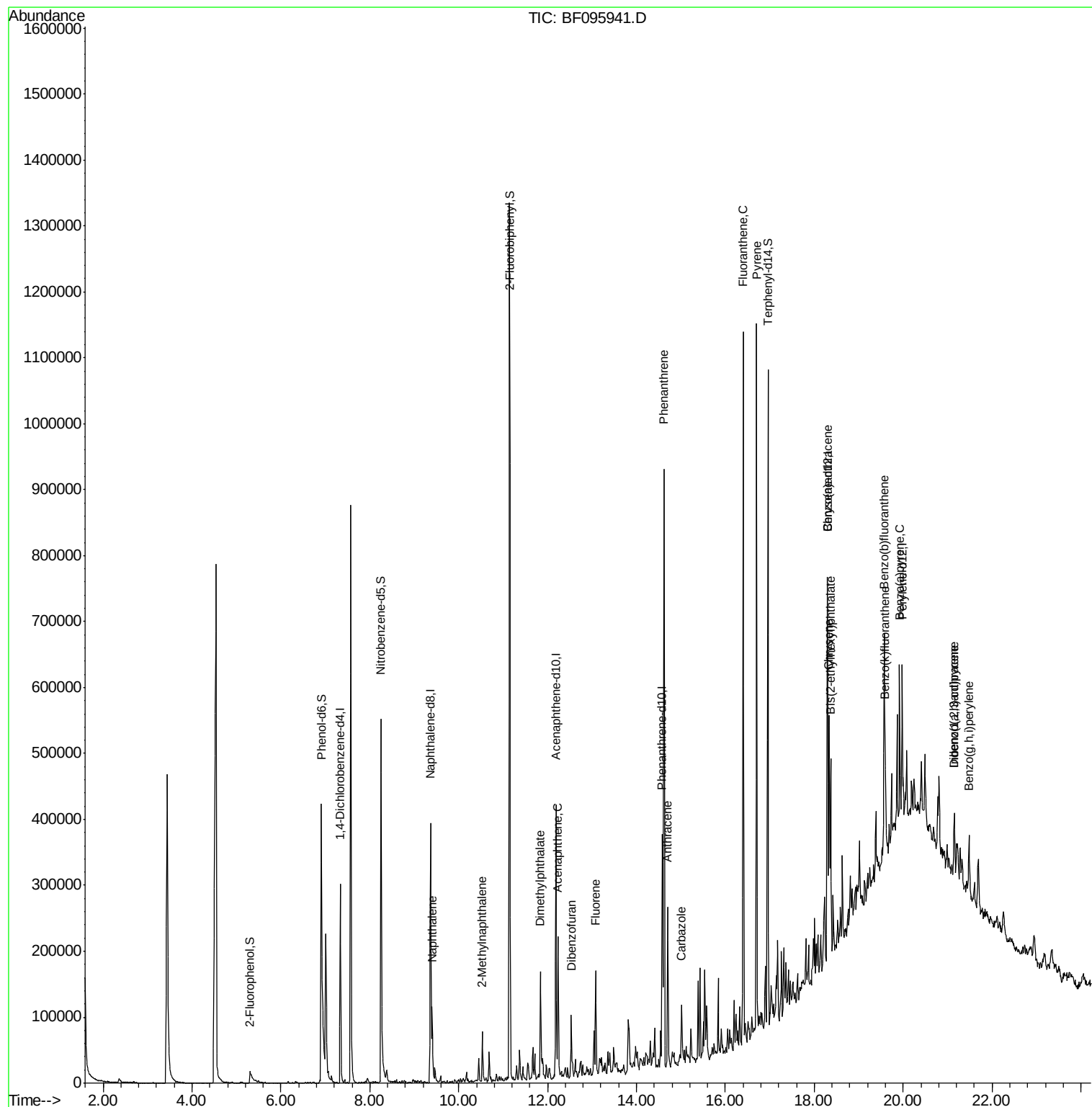
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
Data File : BF095941.D
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ALS Vial : 19 Sample Multiplier: 1

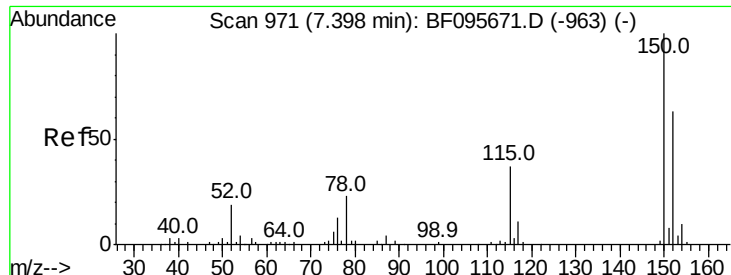
Instrument :
BNA_F
ClientSampleId :
ONSITE-001-B

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Quant Time: Jun 15 04:07:12 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

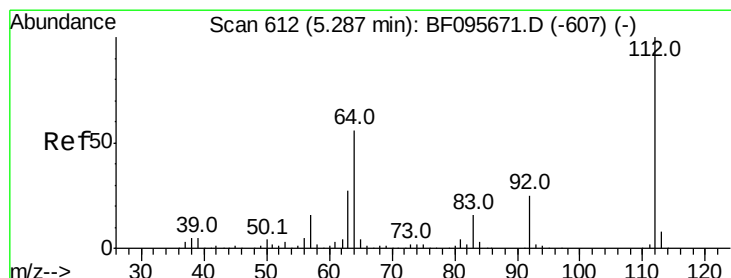
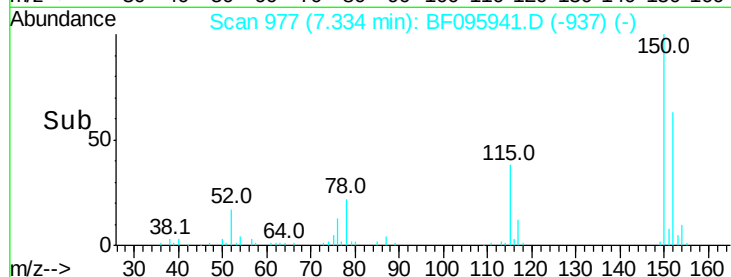
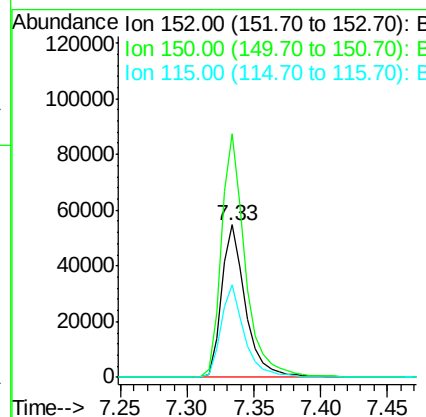
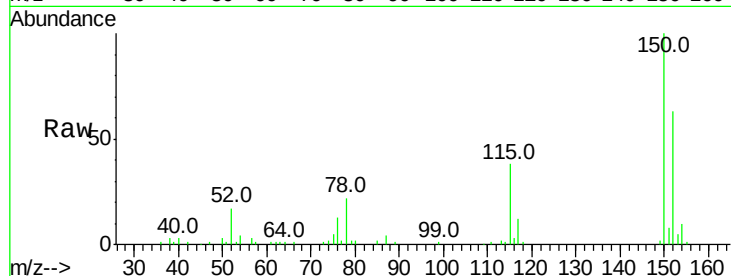
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	60.9	52.2	78.2

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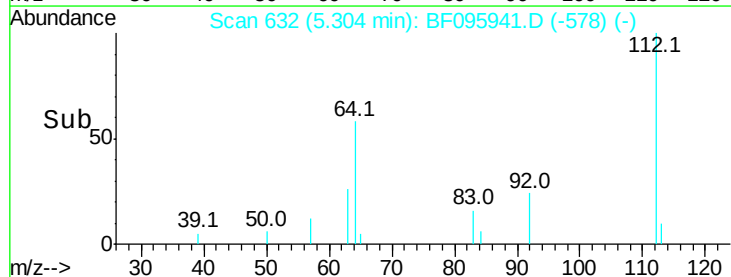
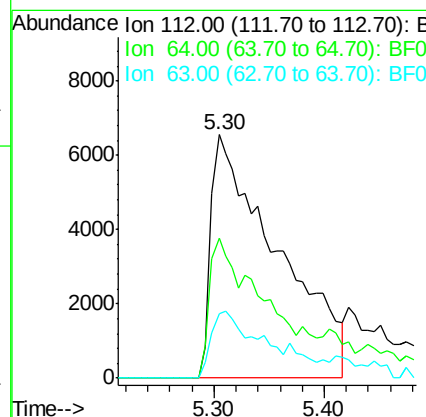
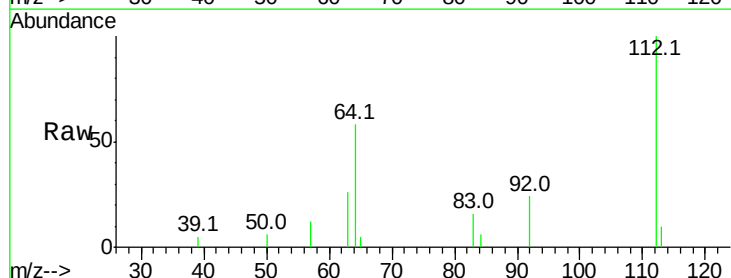
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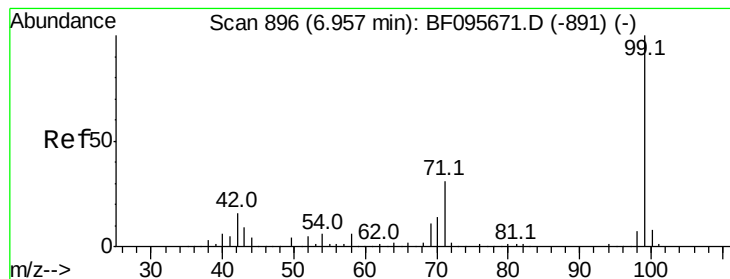


#5

2-Fluorophenol
Concen: 6.26 ng
RT: 5.30 min Scan# 632
Delta R.T. 0.02 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.0	69.0
63	26.4	23.4	35.0





#7

Phenol-d6

Concen: 69.50 ng

RT: 6.90 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF095941.D

Acq: 15 Jun 2017 1:09

Instrument :

BNA_F

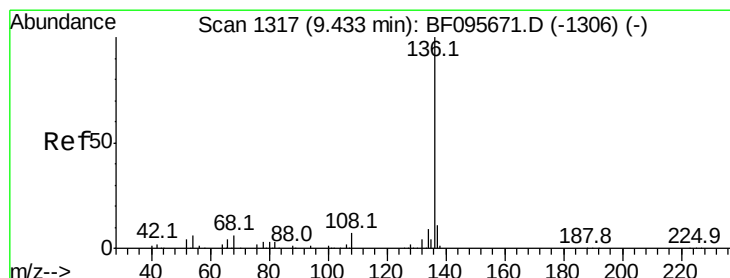
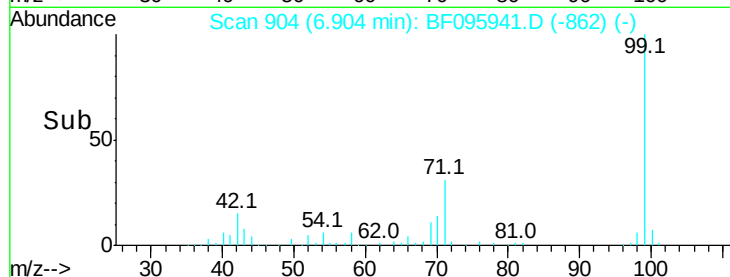
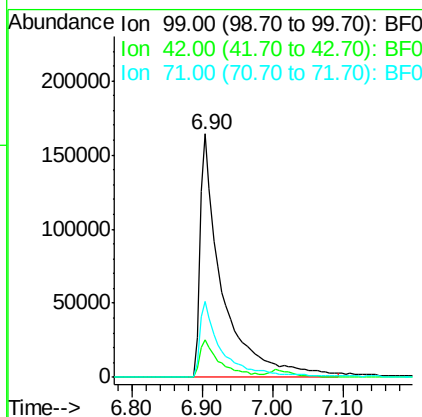
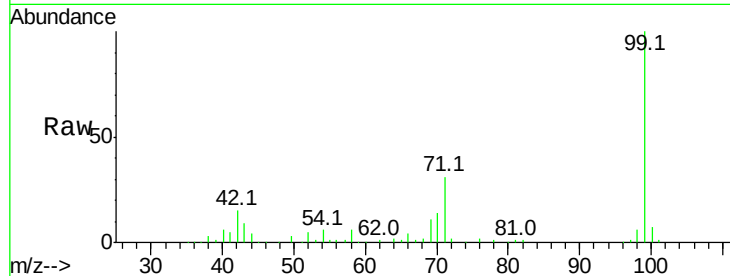
ClientSampleId :

ONSITE-001-B

Tot Ion:	99	Resp:	361606
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.5	20.3
71	31.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

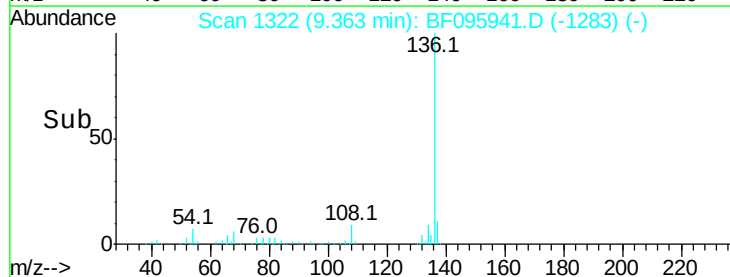
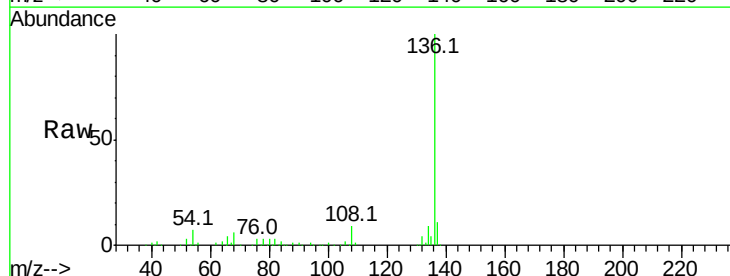
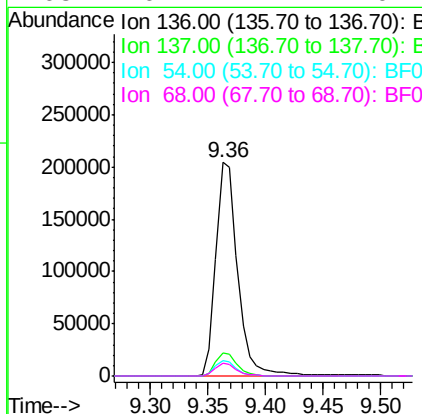
RT: 9.36 min Scan# 1322

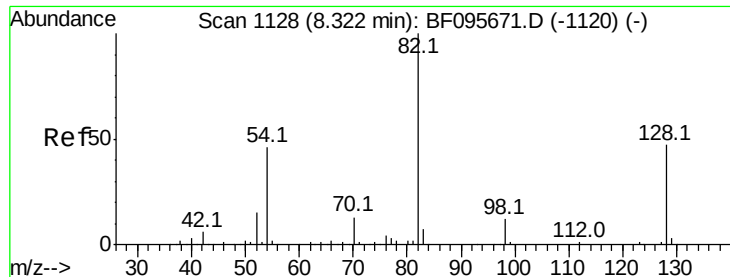
Delta R.T. -0.07 min

Lab File: BF095941.D

Acq: 15 Jun 2017 1:09

Tgt Ion:	136	Resp:	271222
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	7.2	4.9	7.3
68	6.1	4.1	6.1#





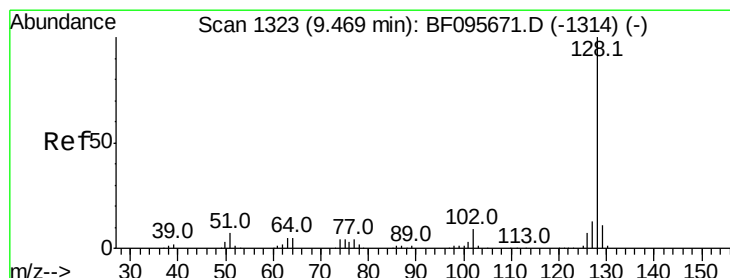
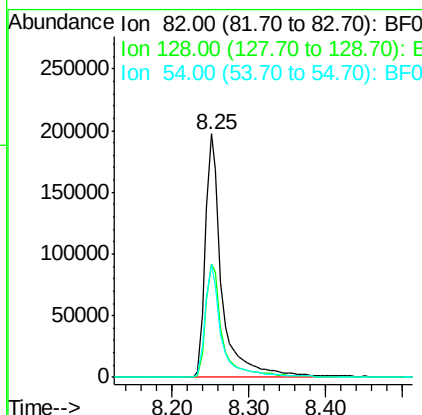
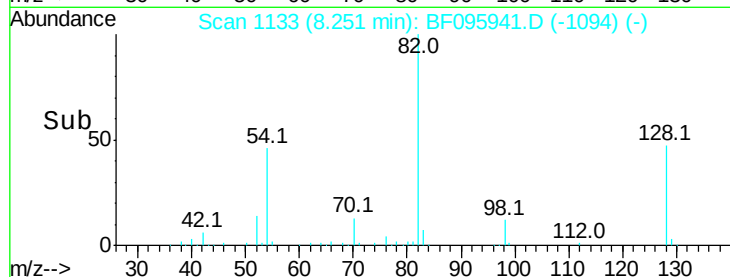
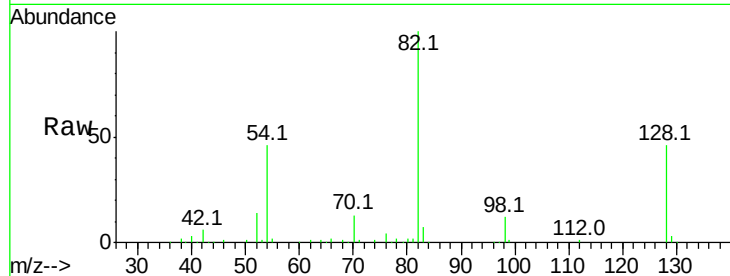
#23
 Nitrobenzene-d5
 Concen: 67.91 ng
 RT: 8.25 min Scan# 1133
 Delta R.T. -0.07 min
 Lab File: BF095941.D
 Acq: 15 Jun 2017 1:09

Instrument :
 BNA_F
 ClientSampleId :
 ONSITE-001-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.0	51.0
54	46.4	42.2	63.2

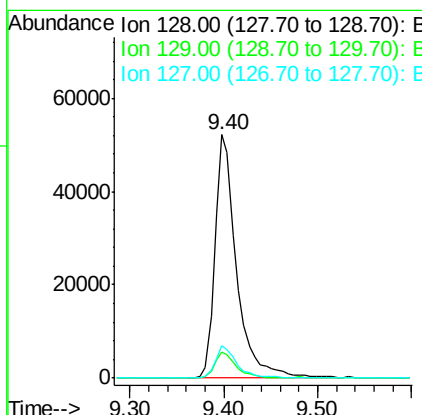
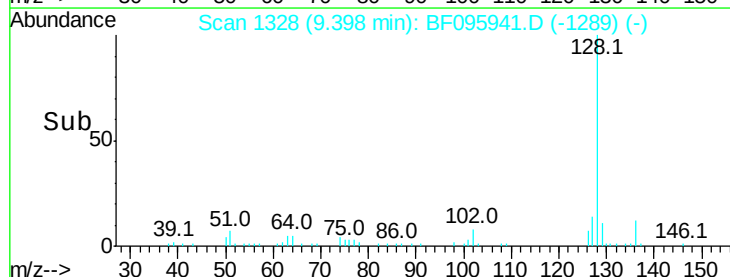
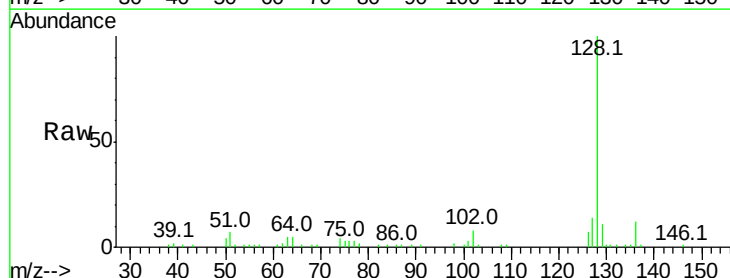
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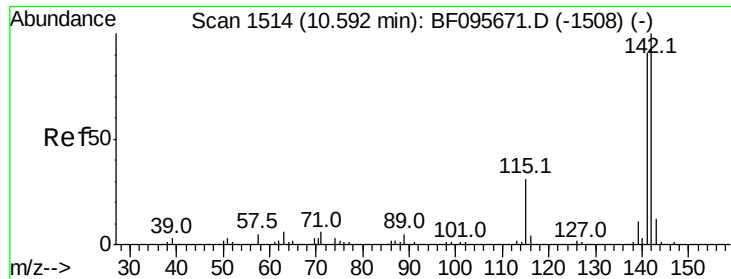
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#31
 Naphthalene
 Concen: 6.19 ng
 RT: 9.40 min Scan# 1328
 Delta R.T. -0.07 min
 Lab File: BF095941.D
 Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.5	10.8	16.2





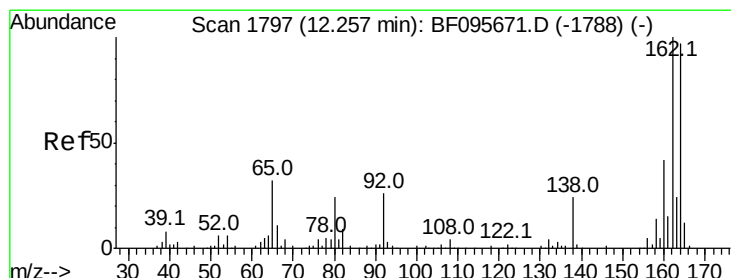
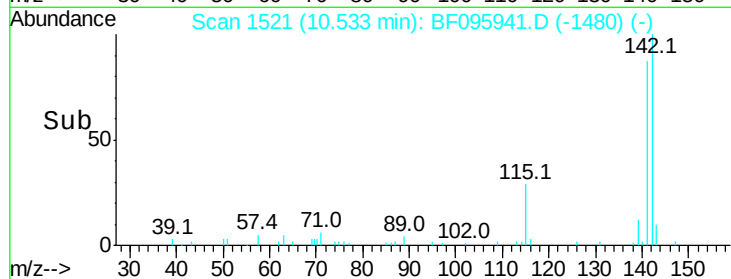
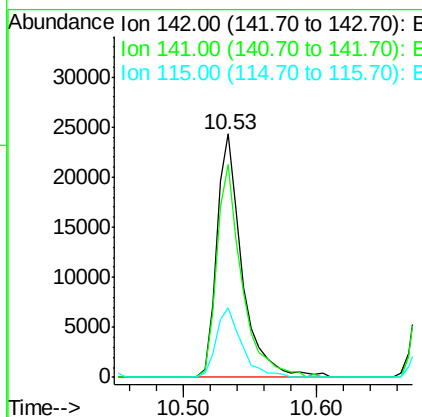
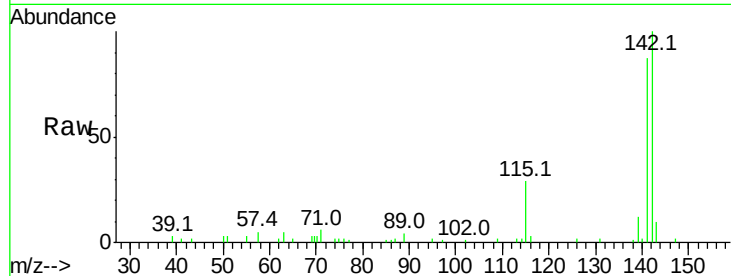
#37
2-Methylnaphthalene
Concen: 3.52 ng
RT: 10.53 min Scan# 1521
Delta R.T. -0.06 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.3	106.9
115	28.5	27.1	40.7

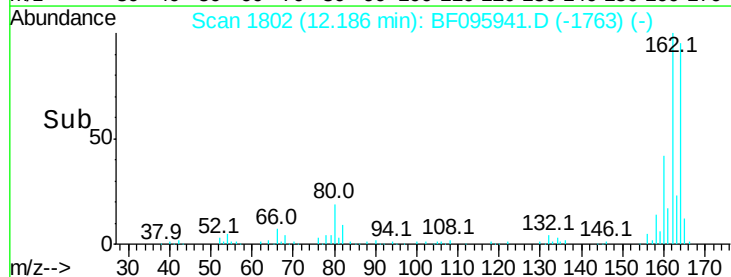
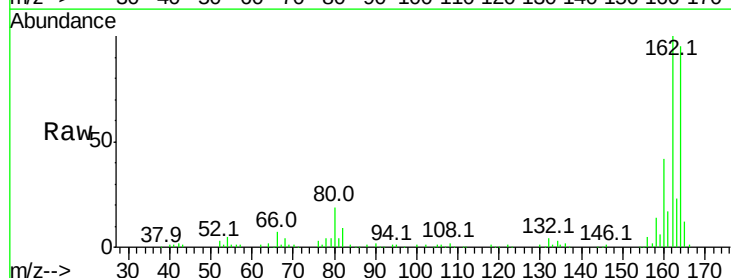
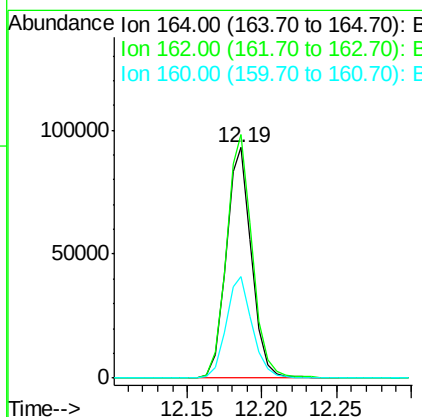
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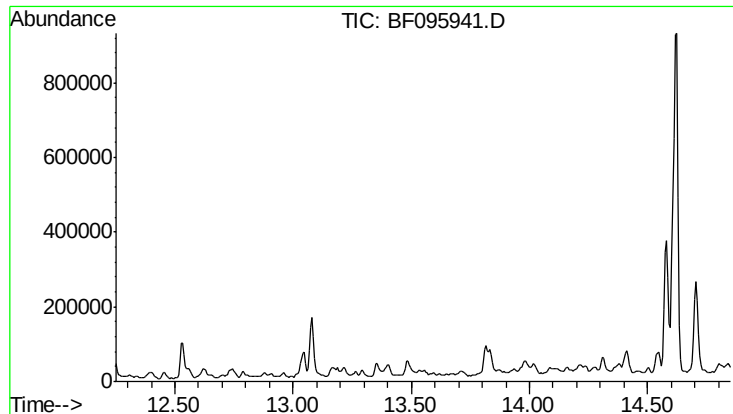
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.19 min Scan# 1802
Delta R.T. -0.07 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.6	123.8
160	43.9	36.2	54.2





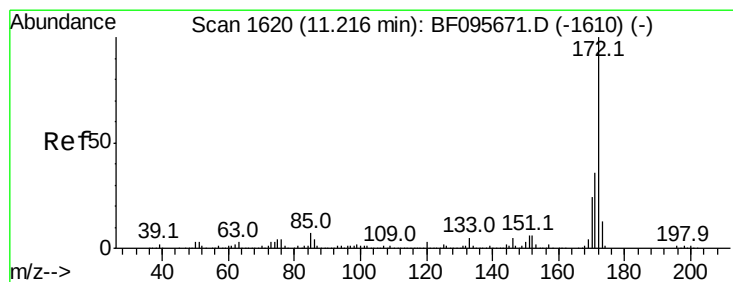
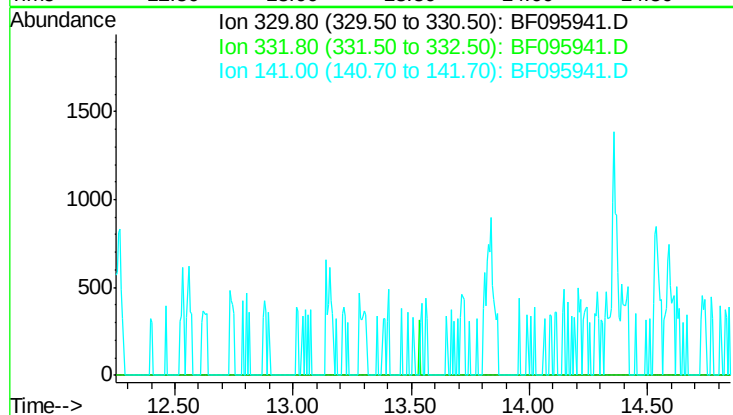
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 13.55 min
 Lab File: BF095941.D
 Acq: 15 Jun 2017 1:09

Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 39.3

Instrument :
 BNA_F
 ClientSampleId :
 ONSITE-001-B

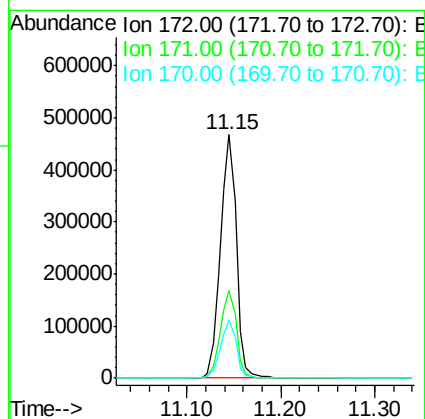
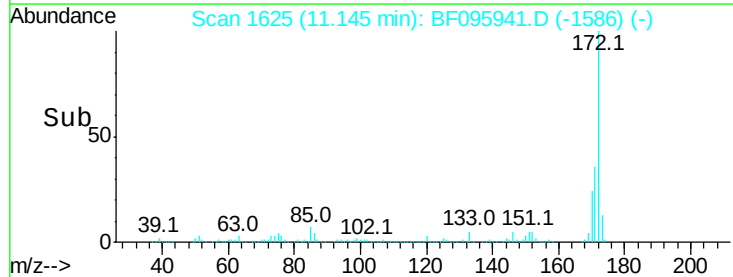
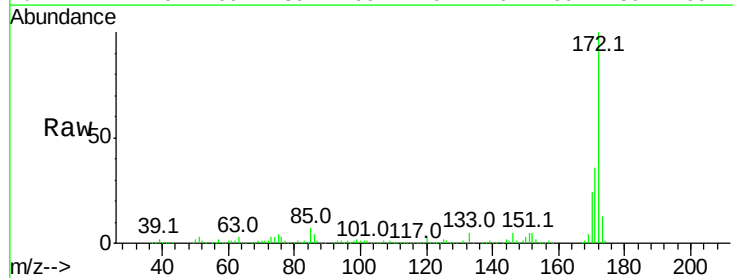
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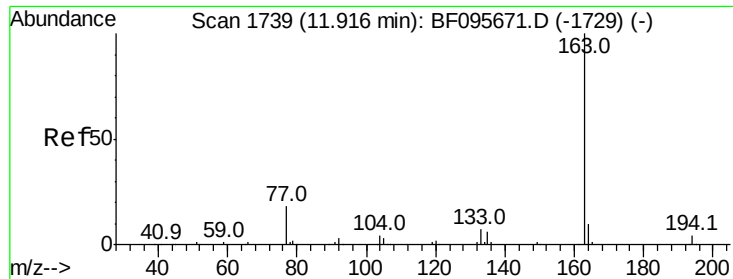
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#44
 2-Fluorobiphenyl
 Concen: 70.44 ng
 RT: 11.15 min Scan# 1625
 Delta R.T. -0.07 min
 Lab File: BF095941.D
 Acq: 15 Jun 2017 1:09

Tgt Ion: 172 Resp: 560100
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.6 19.8 29.8





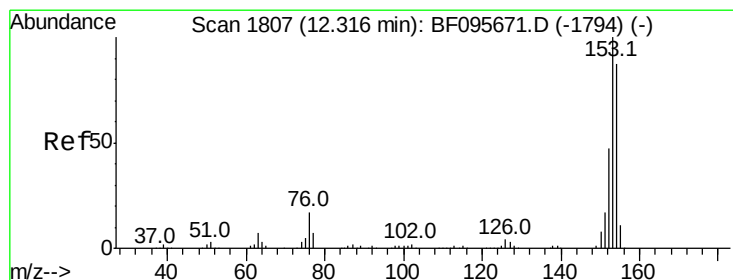
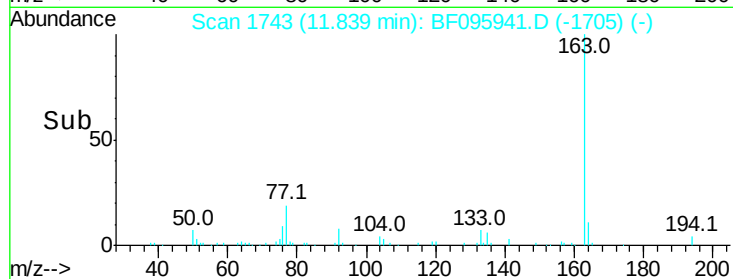
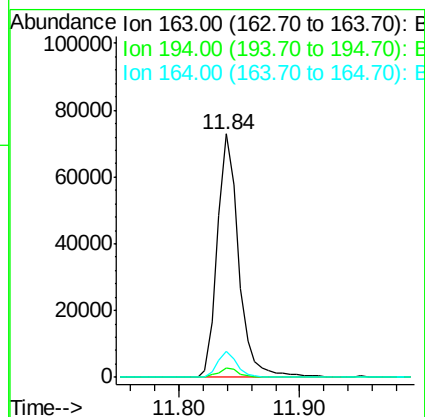
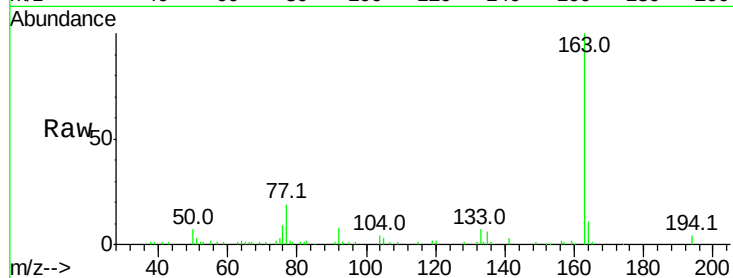
#49
Dimethylphthalate
Concen: 10.52 ng
RT: 11.84 min Scan# 1743
Delta R.T. -0.08 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.6	8.4	12.6

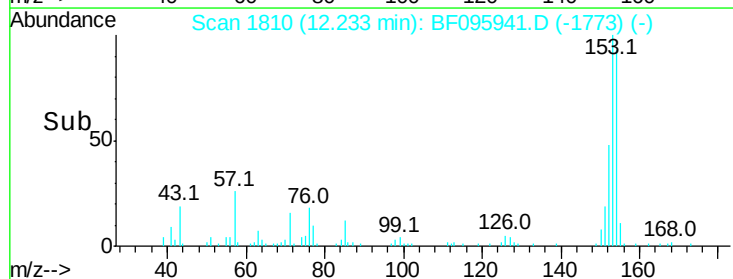
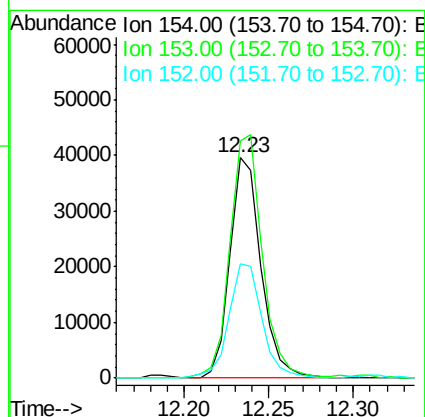
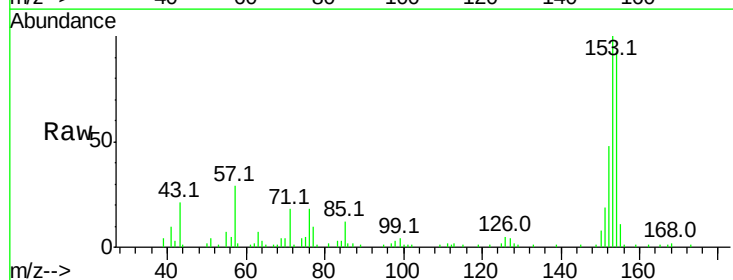
Manual Integrations
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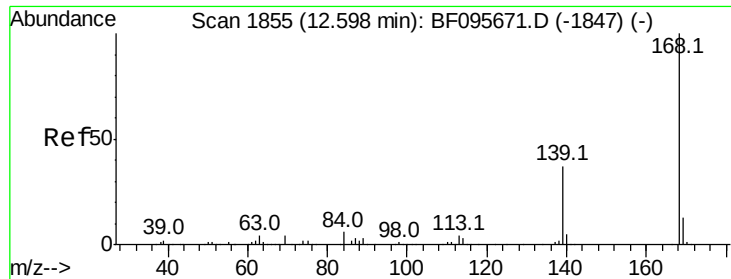
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#51
Acenaphthene
Concen: 7.20 ng
RT: 12.23 min Scan# 1810
Delta R.T. -0.08 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.0	90.5	135.7
152	51.9	43.6	65.4





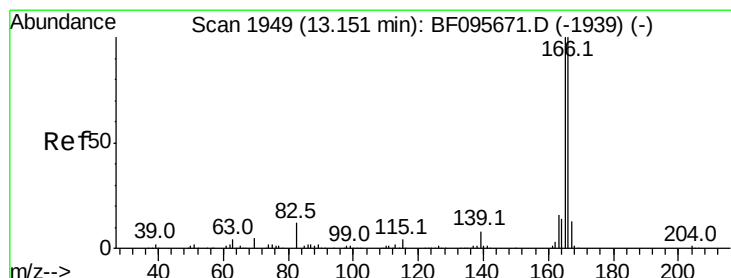
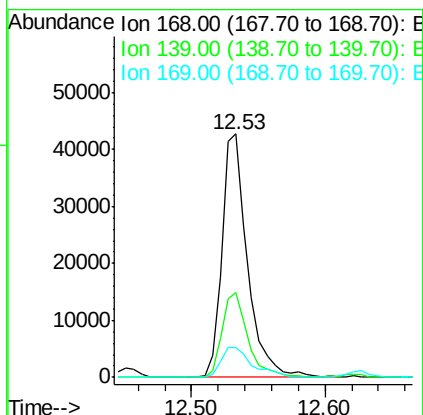
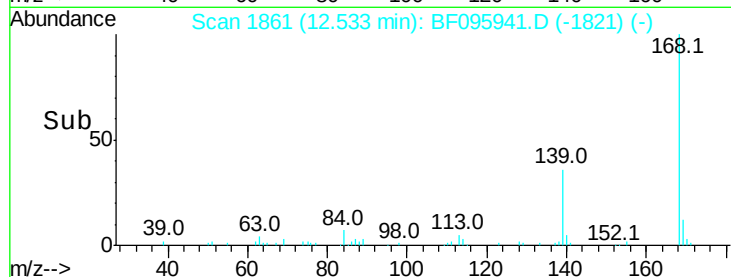
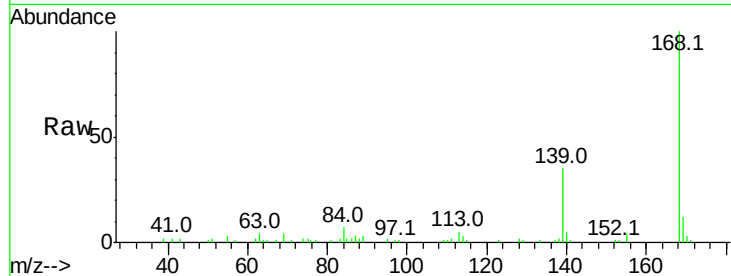
#54
Dibenzenofuran
Concen: 5.79 ng
RT: 12.53 min Scan# 1861
Delta R.T. -0.06 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-B

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.1	30.6	45.8
169	12.2	10.8	16.2

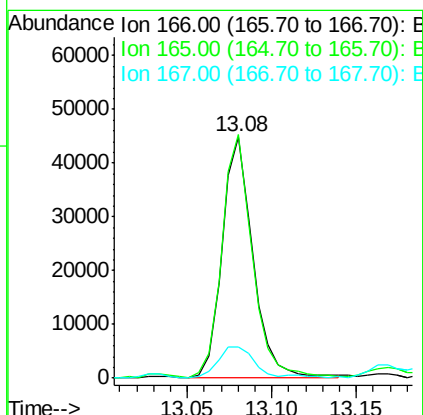
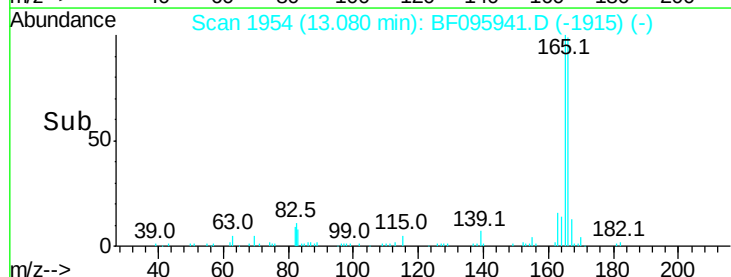
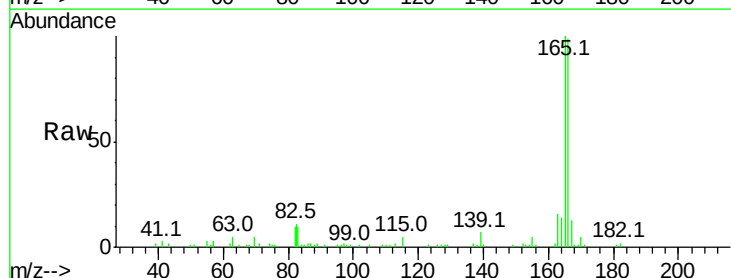
Manual Integrations
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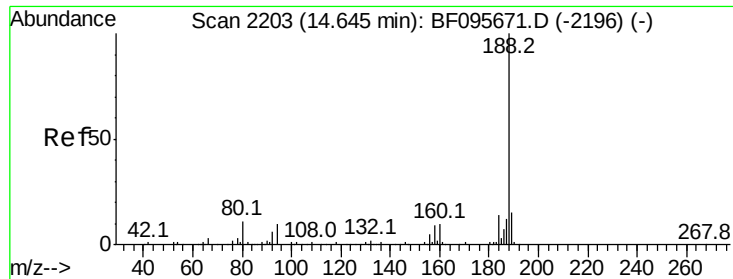
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6/15/2017 3:55:40 PM



#57
Fluorene
Concen: 6.61 ng
RT: 13.08 min Scan# 1954
Delta R.T. -0.07 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.8	118.2
167	12.9	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: BF095941.D

Acq: 15 Jun 2017 1:09

Instrument :

BNA_F

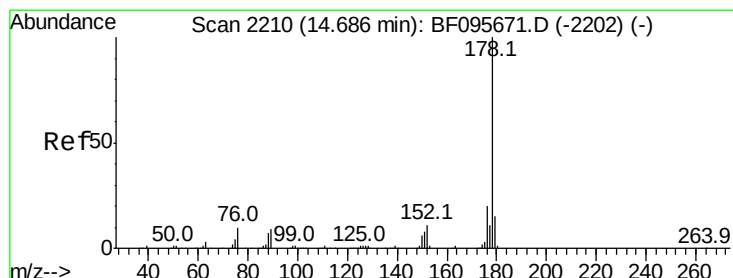
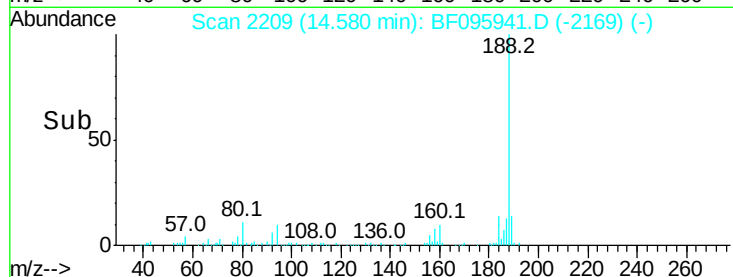
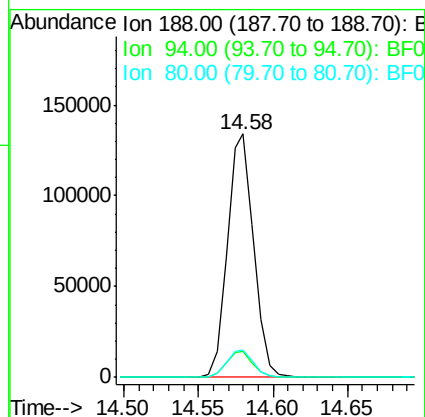
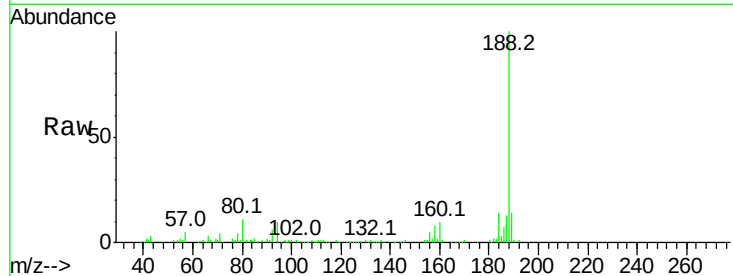
ClientSampleId :

ONSITE-001-B

Tot Ion:	188	Resp:	165242
Ion Ratio	Lower	Upper	
188	100		
94	10.5	9.4	14.2
80	11.3	10.2	15.2

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#70

Phenanthrene

Concen: 54.40 ng

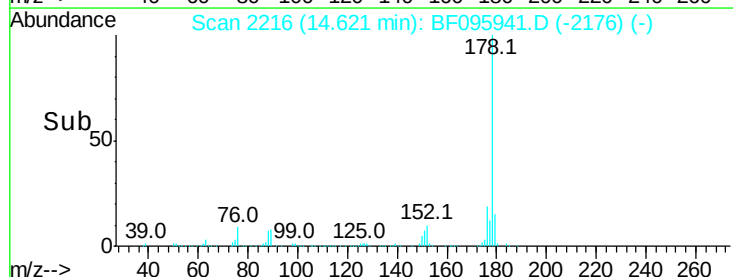
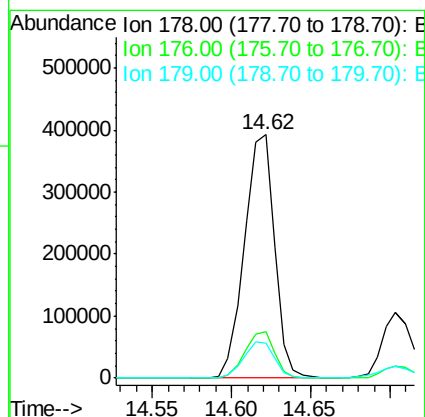
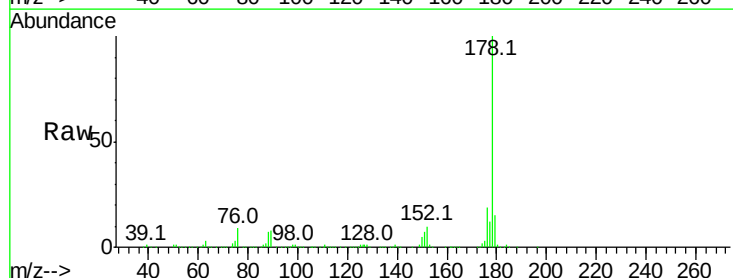
RT: 14.62 min Scan# 2216

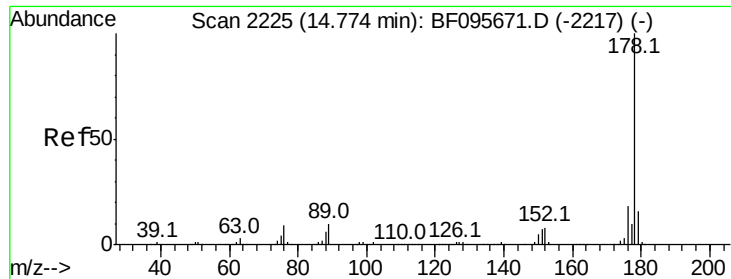
Delta R.T. -0.06 min

Lab File: BF095941.D

Acq: 15 Jun 2017 1:09

Tgt Ion:	178	Resp:	518676
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	14.6	12.6	19.0





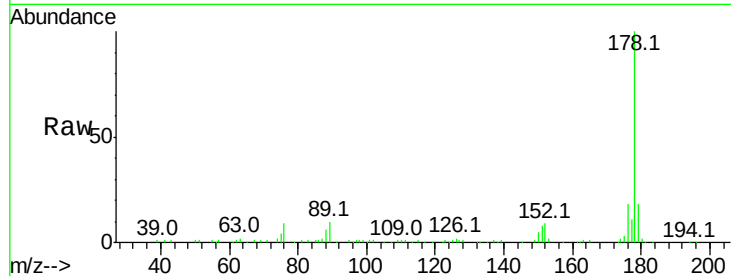
#71
 Anthracene
 Concen: 14.25 ng
 RT: 14.70 min Scan# 2230
 Delta R.T. -0.07 min
 Lab File: BF095941.D
 Acq: 15 Jun 2017 1:09

Instrument :
 BNA_F
 ClientSampleId :
 ONSITE-001-B

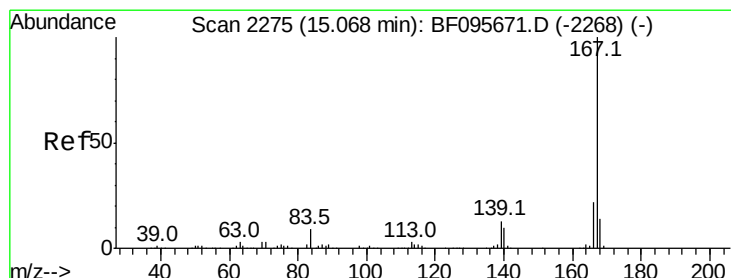
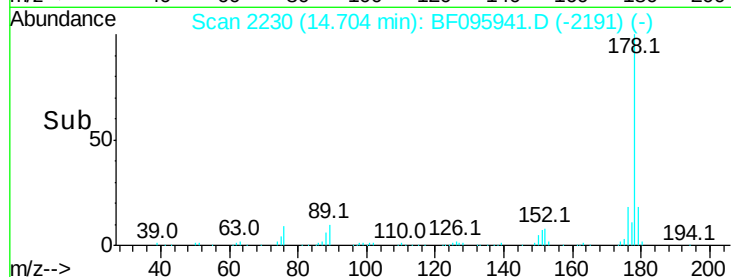
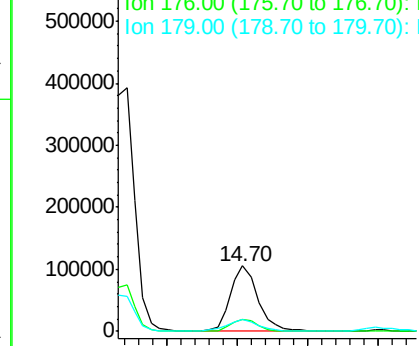
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	18.2	12.7	19.1

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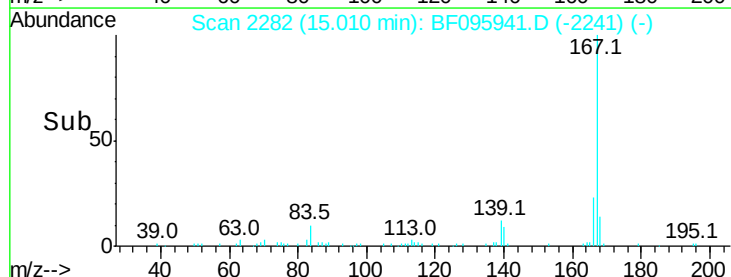
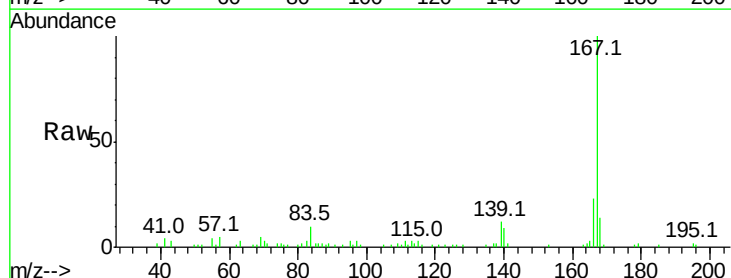
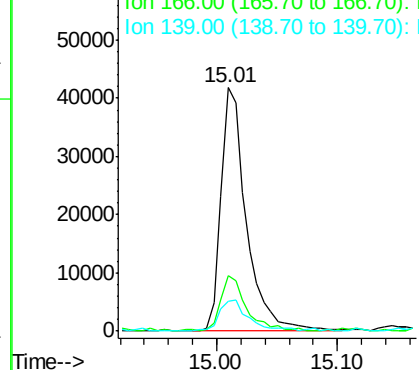
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

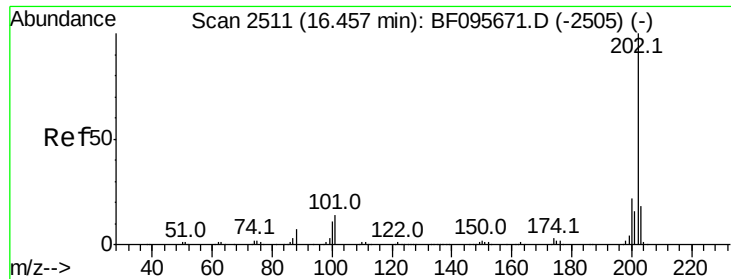


#72
 Carbazole
 Concen: 6.24 ng
 RT: 15.01 min Scan# 2282
 Delta R.T. -0.06 min
 Lab File: BF095941.D
 Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.1	27.1
139	12.4	11.7	17.5

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 57.04 ng

RT: 16.40 min Scan# 2519

Delta R.T. -0.05 min

Lab File: BF095941.D

Acq: 15 Jun 2017 1:09

Instrument :

BNA_F

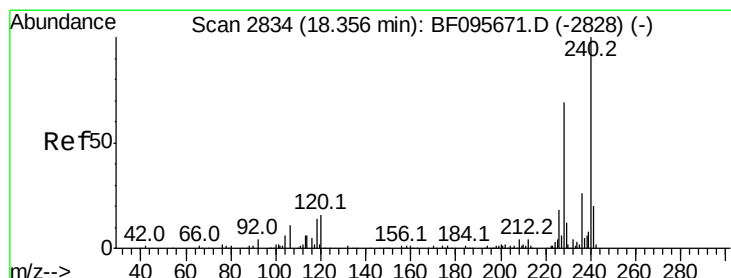
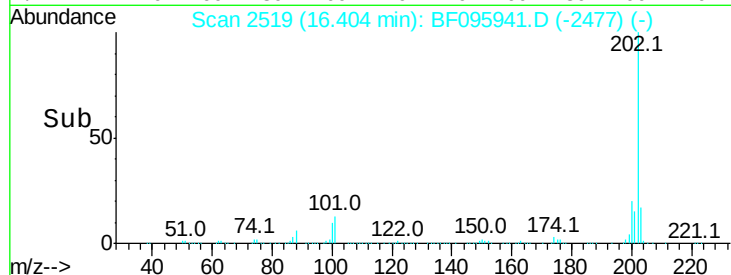
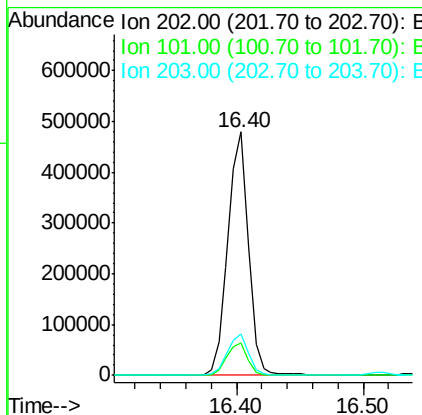
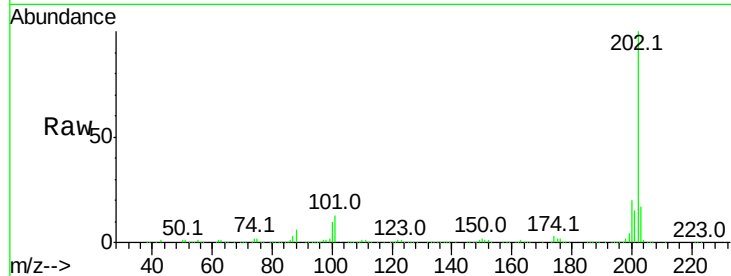
ClientSampleId :

ONSITE-001-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	538287		
101	13.1	0.0	33.2	
203	17.3	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

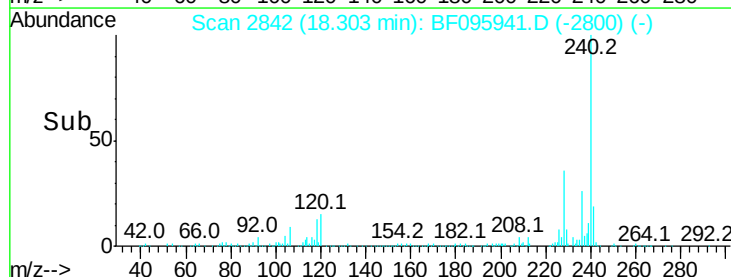
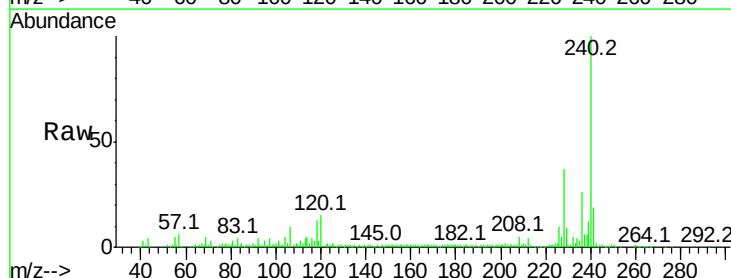
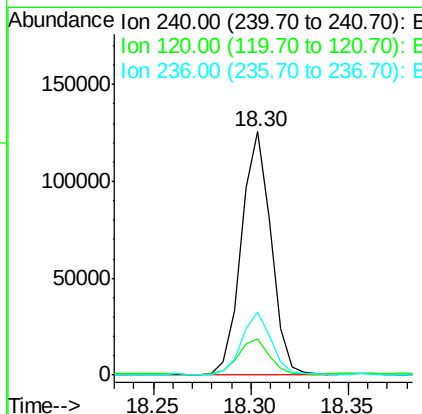
RT: 18.30 min Scan# 2842

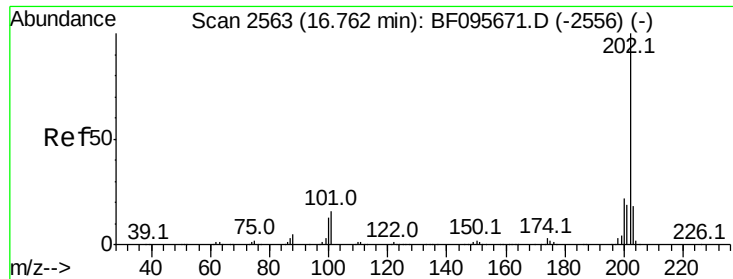
Delta R.T. -0.05 min

Lab File: BF095941.D

Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	132955		
120	15.1	5.8	8.8#	
236	26.0	20.5	30.7	





#77

Pvrene

Concen: 44.74 ng

RT: 16.70 min Scan# 2570

Delta R.T. -0.06 min

Lab File: BF095941.D

Acq: 15 Jun 2017 1:09

Instrument :

BNA_F

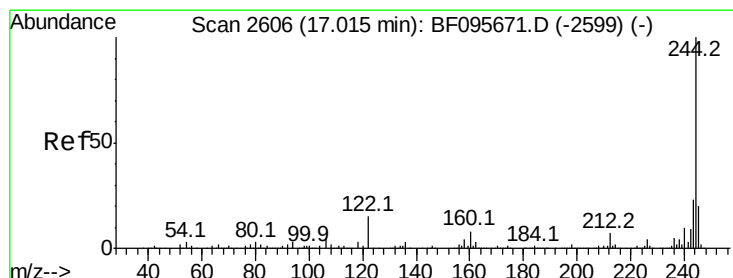
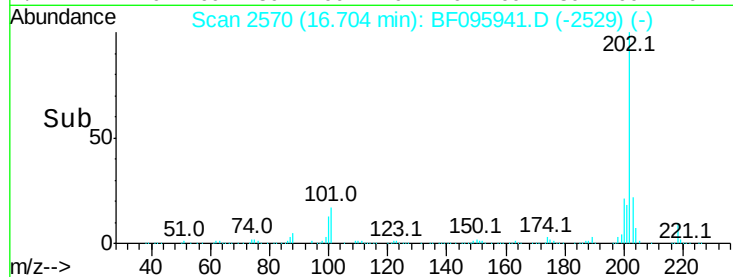
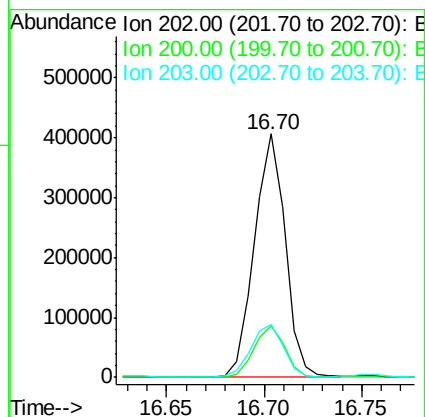
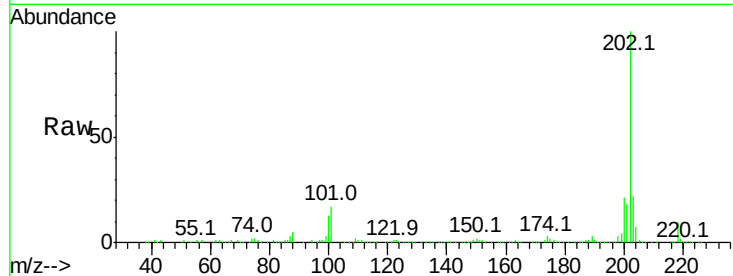
ClientSampled :

ONSITE-001-B

Tot Ion:	202	Resp:	443830
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	21.7	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 64.77 ng

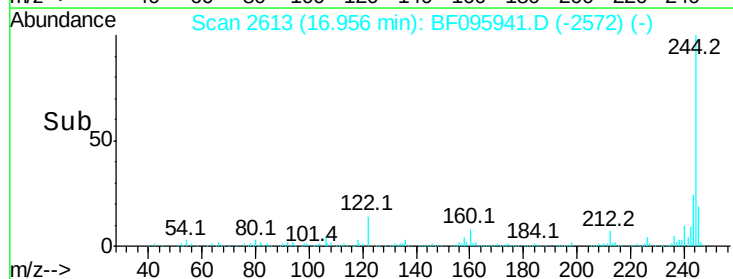
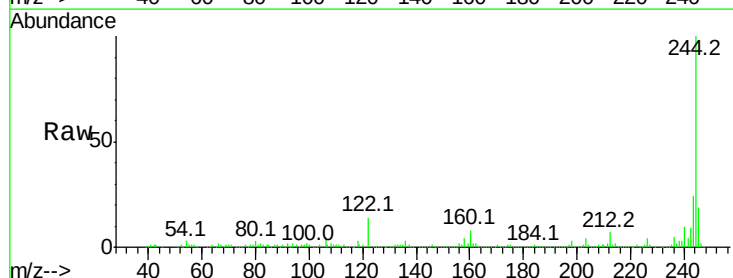
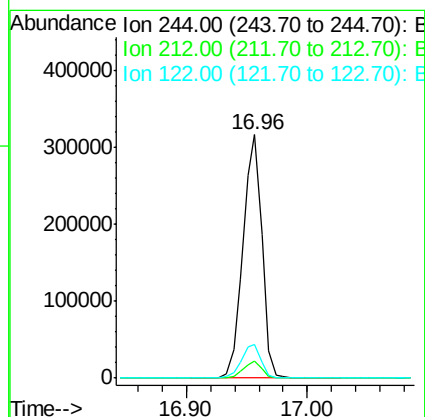
RT: 16.96 min Scan# 2613

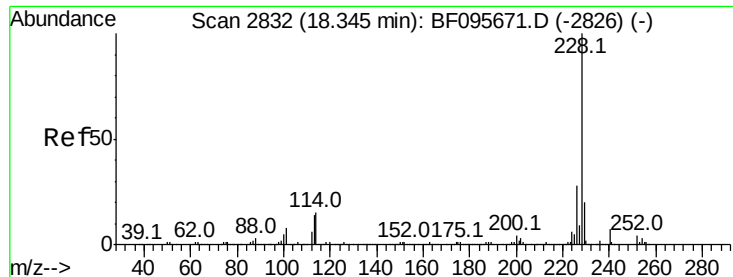
Delta R.T. -0.06 min

Lab File: BF095941.D

Acq: 15 Jun 2017 1:09

Tgt Ion:	244	Resp:	346973
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	14.0	10.3	15.5





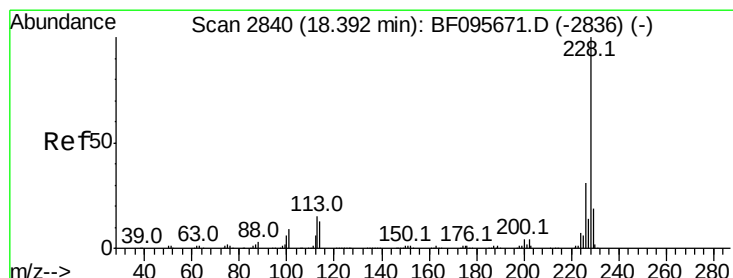
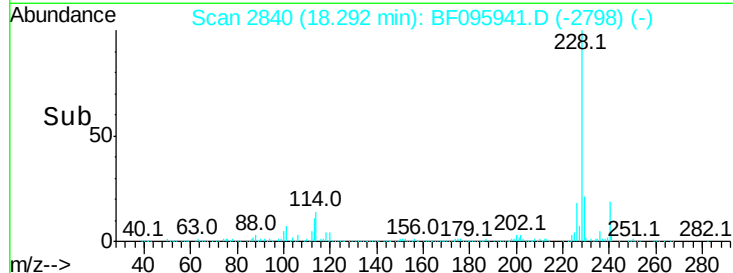
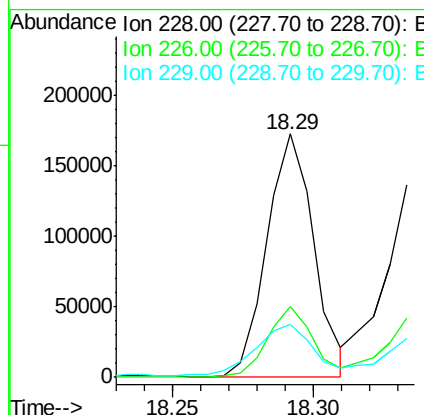
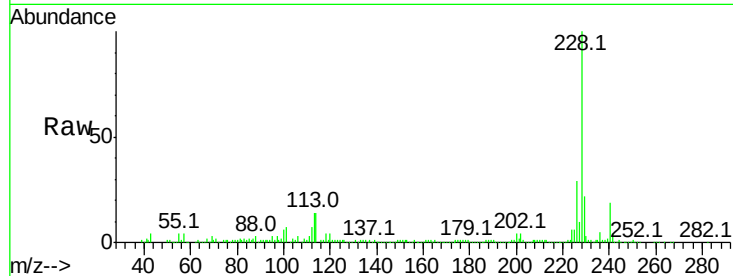
#80
Benzo(a)anthracene
Concen: 25.49 ng
RT: 18.29 min Scan# 2840
Delta R.T. -0.05 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.8	16.3	24.5

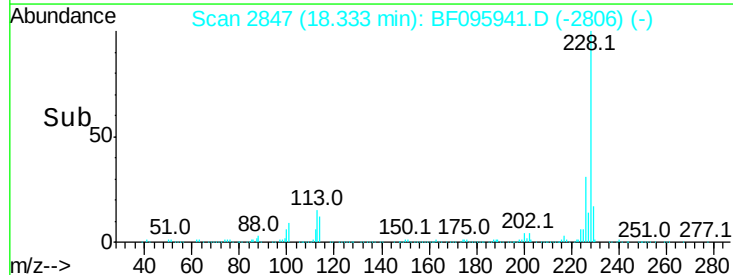
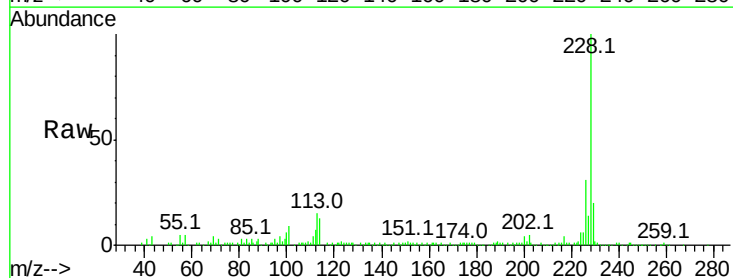
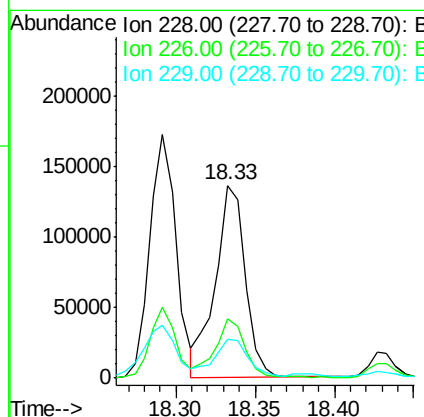
Manual Integrations
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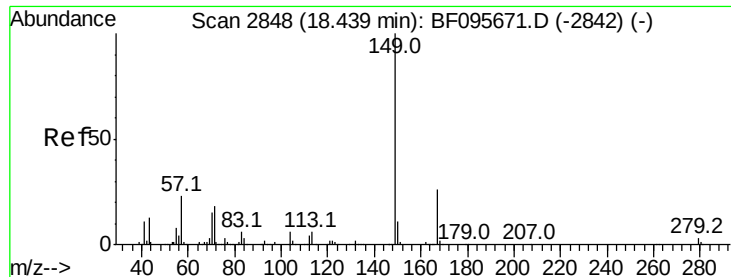
mohammad
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#82
Chrysene
Concen: 23.11 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.06 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	20.3	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 25.12 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.07 min

Lab File: BF095941.D

Acq: 15 Jun 2017 1:09

Instrument :

BNA_F

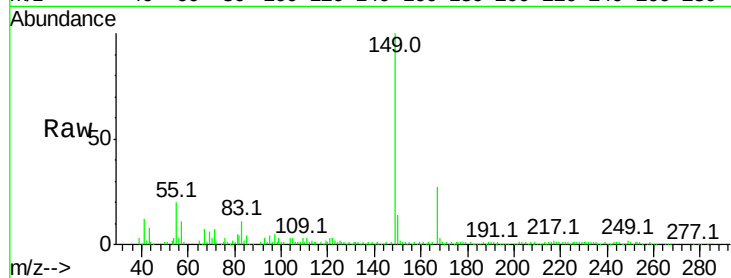
ClientSampleId :

ONSITE-001-B

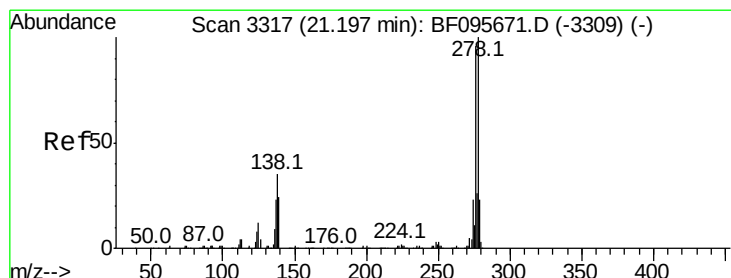
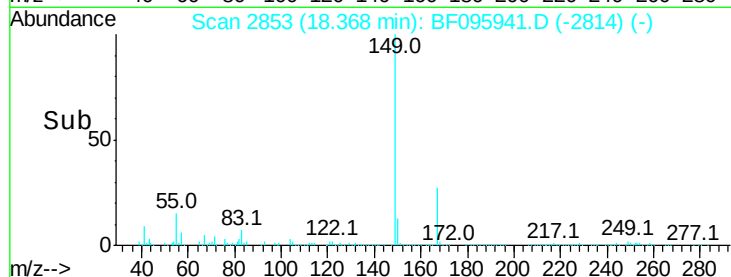
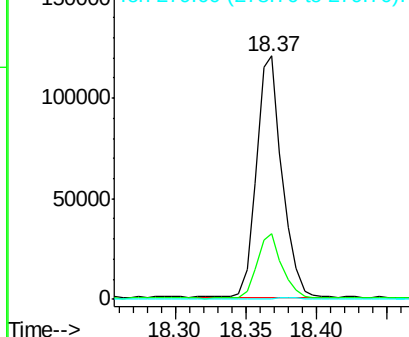
Tot Ion:	149	Resp:	153547
Ion Ratio	Lower	Upper	
149	100		
167	26.9	21.0	31.4
279	0.4	1.9	2.9#

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.77 ng m

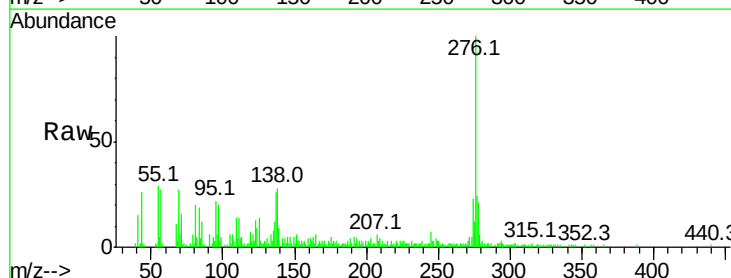
RT: 21.15 min Scan# 3326

Delta R.T. -0.05 min

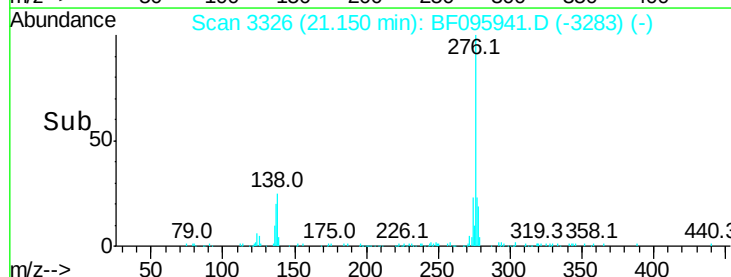
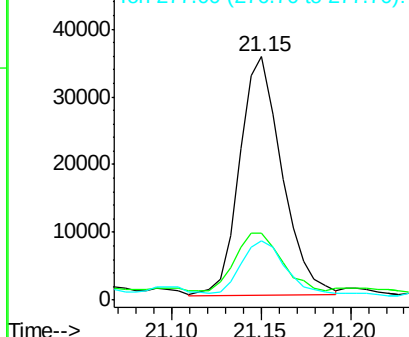
Lab File: BF095941.D

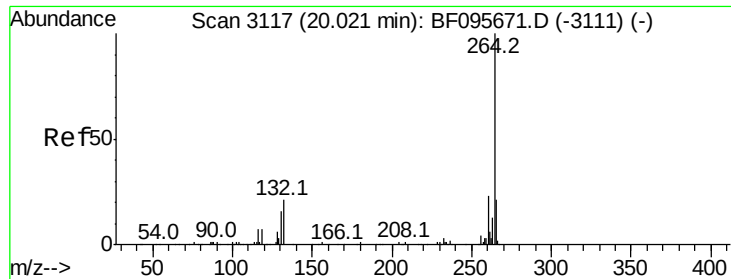
Acq: 15 Jun 2017 1:09

Tgt Ion:	276	Resp:	57936
Ion Ratio	Lower	Upper	
276	100		
138	3.0	27.8	41.6#
277	3.1	20.2	30.4#



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





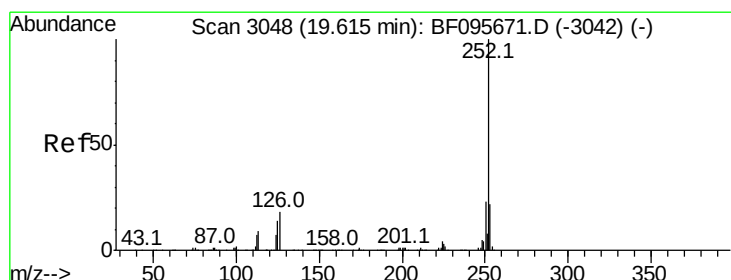
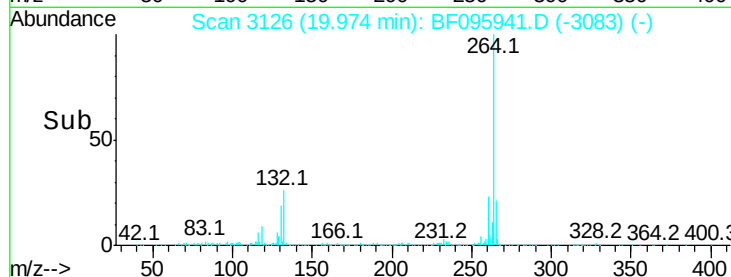
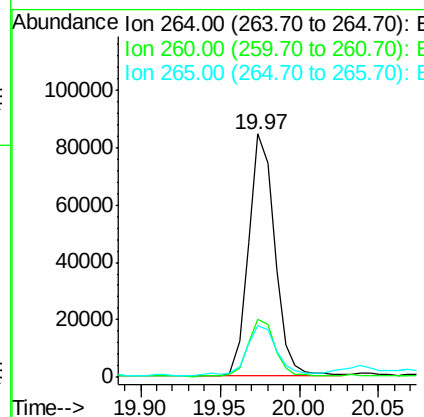
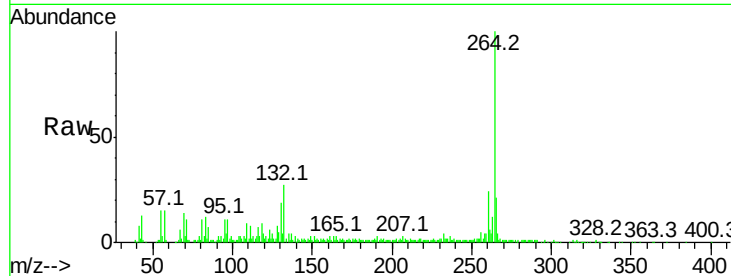
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3126
Delta R.T. -0.05 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.4	17.2	25.8

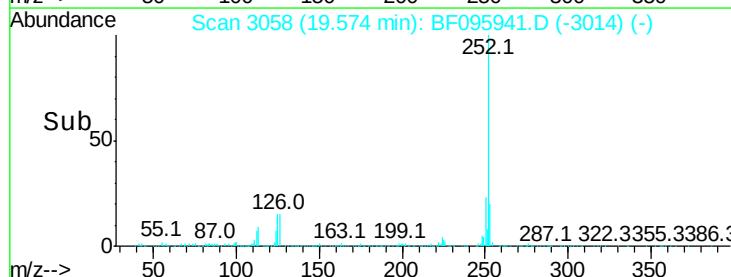
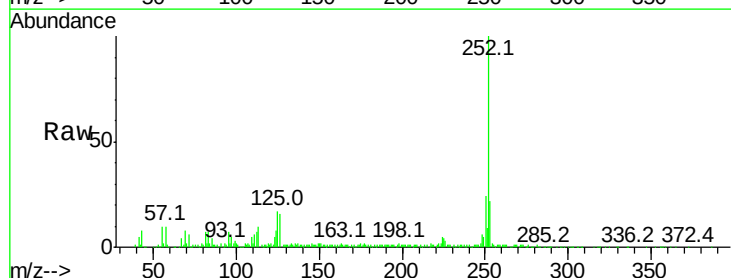
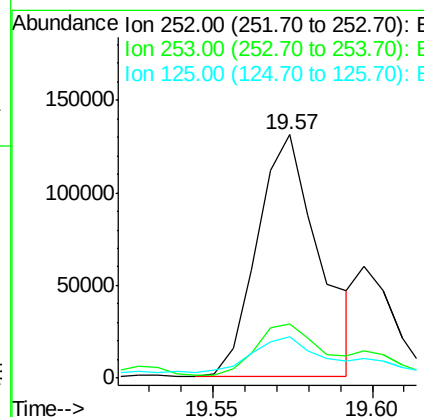
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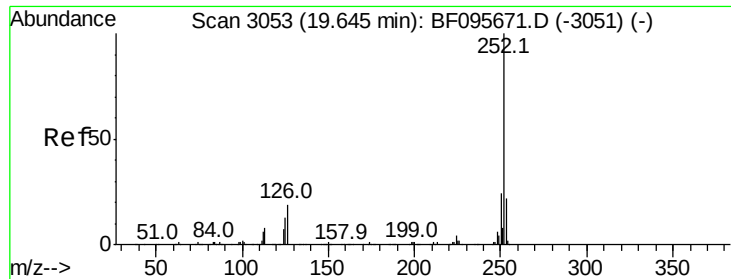
mohammad
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#87
Benzo(b)fluoranthene
Concen: 29.08 ng m
RT: 19.57 min Scan# 3058
Delta R.T. -0.04 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	16.7	9.8	14.8#





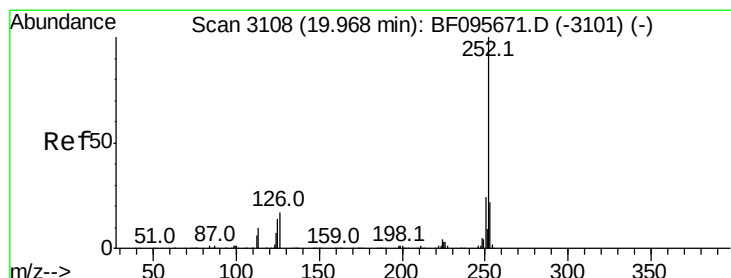
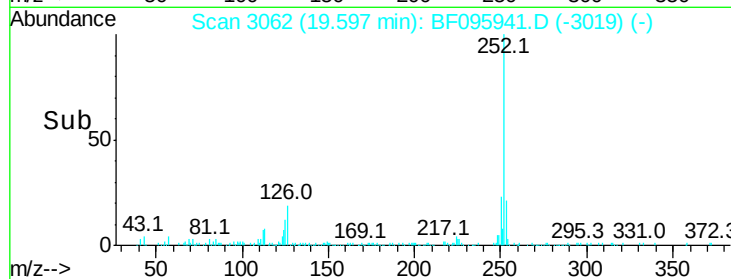
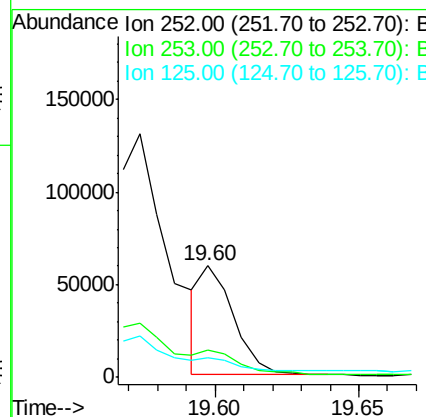
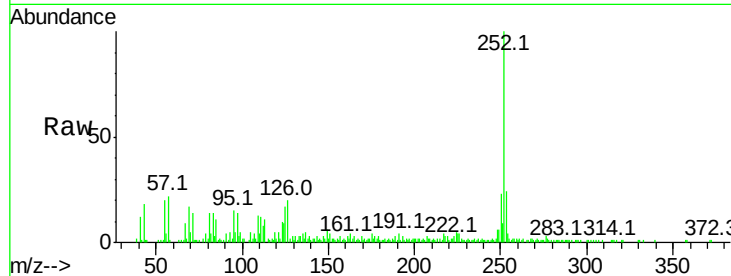
#88
Benzo(k)fluoranthene
Concen: 8.08 ng m
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	17.3	13.1	19.7

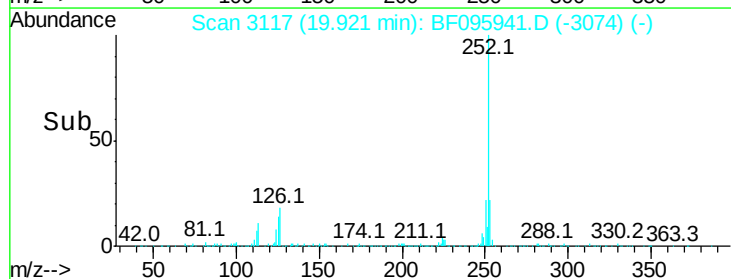
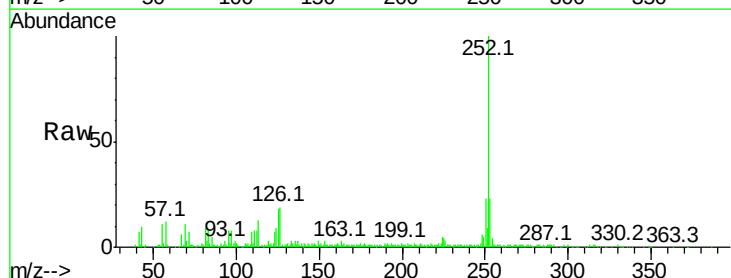
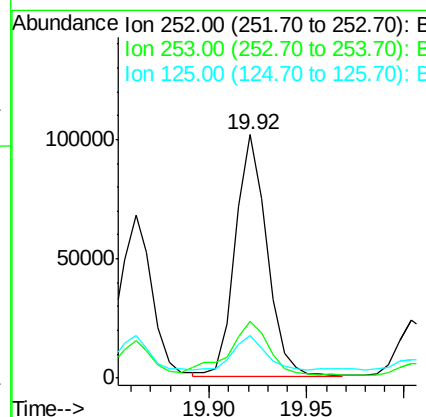
Manual Integrations
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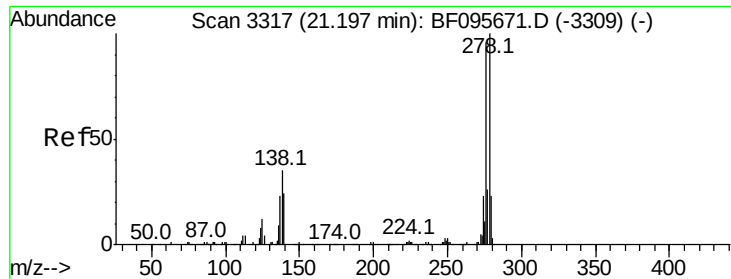
mohammad
6/15/2017 3:55:40 PM



#89
Benzo(a)pyrene
Concen: 20.59 ng
RT: 19.92 min Scan# 3117
Delta R.T. -0.05 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	17.6	11.0	16.4





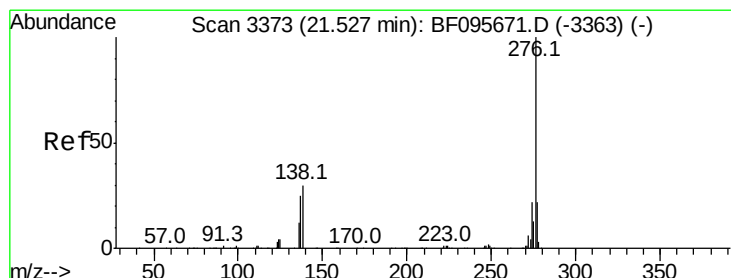
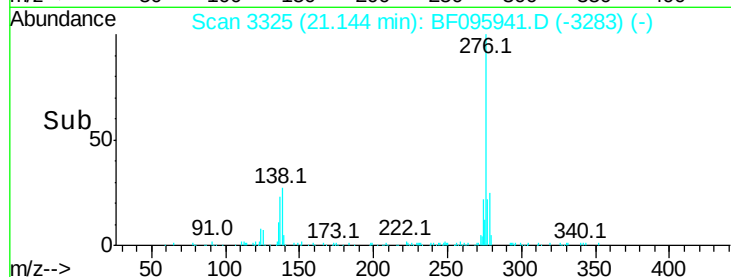
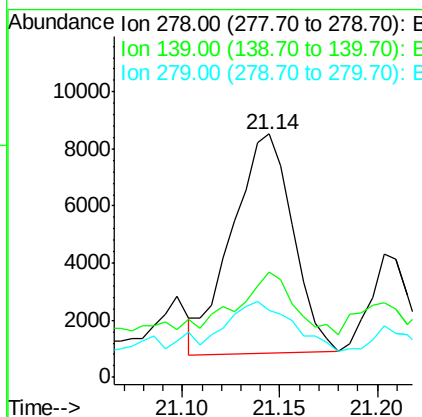
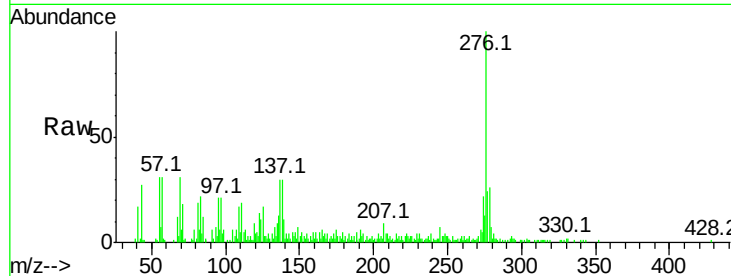
#90
Dibenzo(a,h)anthracene
Concen: 3.52 ng
RT: 21.14 min Scan# 3325
Delta R.T. -0.05 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Instrument :
BNA_F
ClientSampleId :
ONSITE-001-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	43.2	16.6	24.8#
279	27.5	19.3	28.9

Manual Integrations
APPROVED

mohammad
6/15/2017 3:55:40 PM



#91
Benzo(g,h,i)perylene
Concen: 11.07 ng
RT: 21.48 min Scan# 3382
Delta R.T. -0.05 min
Lab File: BF095941.D
Acq: 15 Jun 2017 1:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.6	28.0
138	32.3	25.4	38.0

