

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
 Data File : BF095300.D
 Acq On : 20 May 2017 12:34
 Operator : SJ/MA
 Sample : I3203-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-BASE

Manual Integrations
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Quant Time: May 22 04:18:36 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	91148	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	343231	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	141912	20.00	ng	0.00
63) Phenanthrene-d10	15.03	188	193124	20.00	ng	0.00
75) Chrysene-d12	18.69	240	187858	20.00	ng	0.00
86) Perylene-d12	20.36	264	150003	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	710598	129.98	ng	-0.01
7) Phenol-d6	7.31	99	879653	134.10	ng	0.00
23) Nitrobenzene-d5	8.67	82	476379	87.52	ng	0.00
41) 2,4,6-Tribromophenol	13.93	330	122299	105.23	ng	0.01
44) 2-Fluorobiphenyl	11.56	172	670029	67.96	ng	0.00
78) Terphenyl-d14	17.34	244	392281	45.99	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.33	94	177186	25.63	ng	97
17) 2-Methylphenol	8.26	107	125801	24.70	ng	96
20) 3+4-Methylphenols	8.54	107	202858	29.32	ng	# 58
29) 2,4-Dichlorophenol	9.65	162	35594	7.57	ng	90
31) Naphthalene	9.82	128	1057948	61.33	ng	100
37) 2-Methylnaphthalene	10.95	142	1171288	103.46	ng	99
45) 1,1'-Biphenyl	11.71	154	121613	10.18	ng	99
49) Dimethylphthalate	12.25	163	175999	15.11	ng	# 97
51) Acenaphthene	12.68	154	76669m	8.49	ng	
57) Fluorene	13.52	166	119457	11.00	ng	# 92
70) Phenanthrene	15.07	178	332562	29.97	ng	98
71) Anthracene	15.15	178	38171m	3.37	ng	
72) Carbazole	15.44	167	34450	3.34	ng	# 72
74) Fluoranthene	16.80	202	148305	13.03	ng	99
77) Pyrene	17.11	202	136592	9.72	ng	96
80) Benzo(a)anthracene	18.68	228	46255m	4.23	ng	
82) Chrysene	18.72	228	55309	5.23	ng	# 96
87) Benzo(b)fluoranthene	19.97	252	47601m	5.14	ng	
89) Benzo(a)pyrene	20.31	252	29130	3.41	ng	# 93
91) Benzo(g,h,i)perylene	22.11	276	15183	2.19	ng	# 86

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

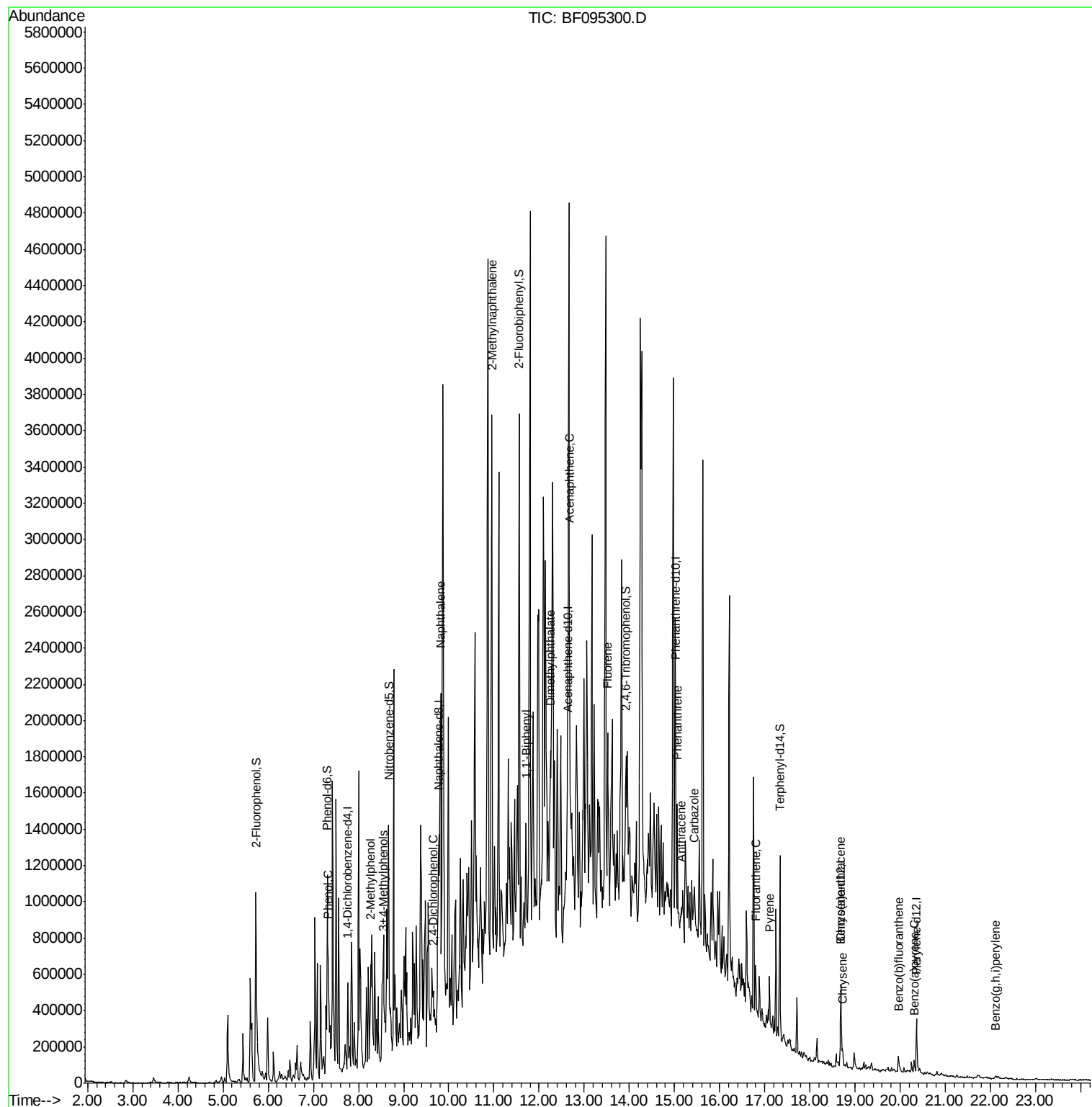
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
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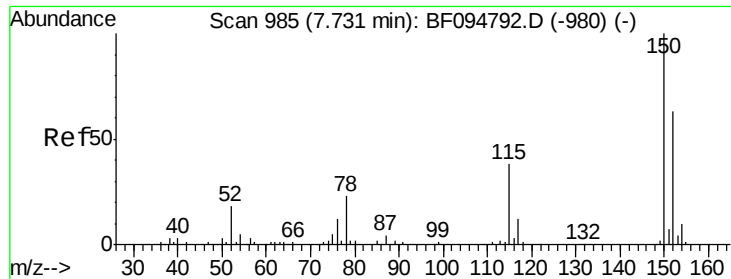
Instrument :
BNA_F
ClientSampleId :
E2-S5-BASE

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QLast Update : Thu May 18 17:07:53 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.76 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

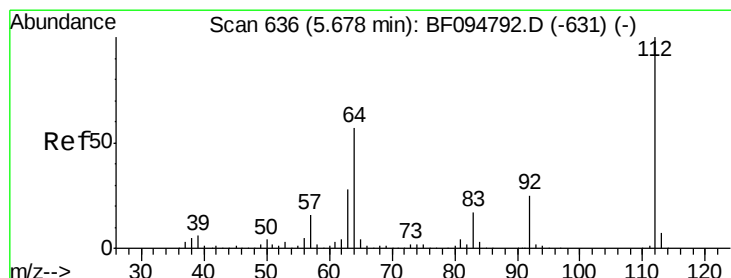
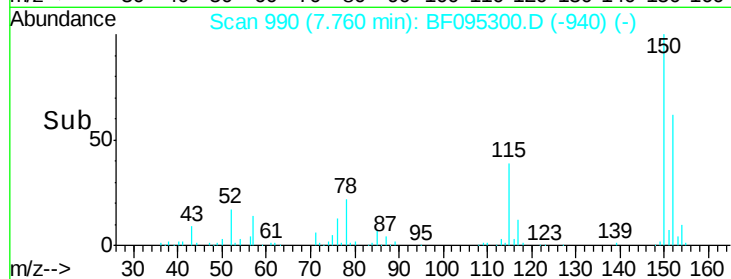
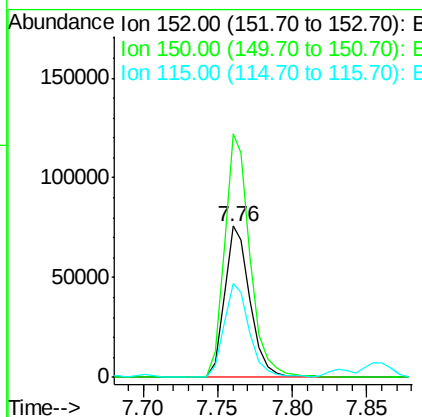
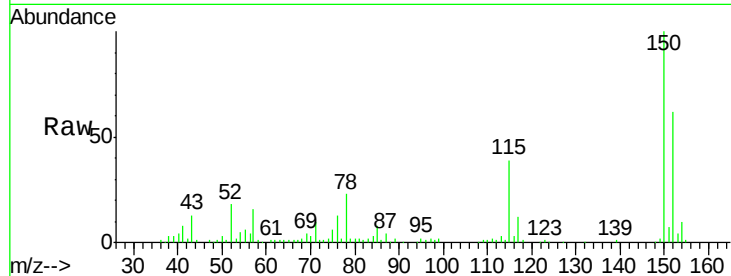
ClientSampleId :

E2-S5-BASE

Tgt Ion:	152	Resp:	91148
Ion Ratio	Lower	Upper	
152	100		
150	161.4	126.2	189.2
115	62.6	52.2	78.2

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#5

2-Fluorophenol

Concen: 129.98 ng

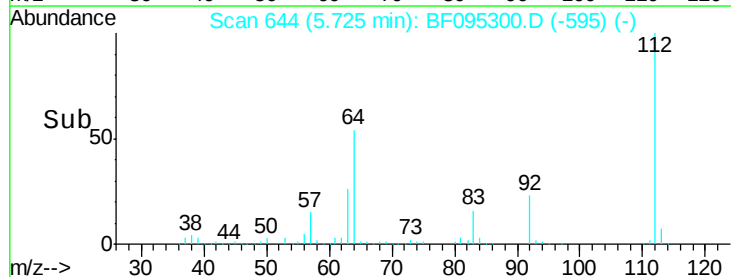
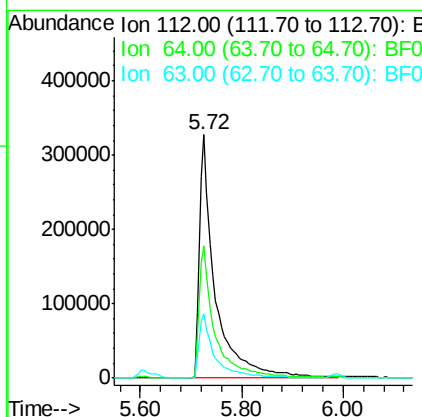
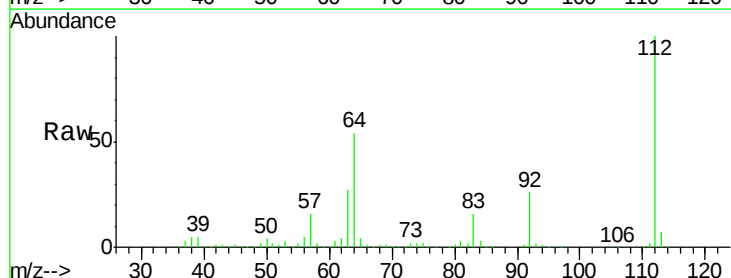
RT: 5.72 min Scan# 644

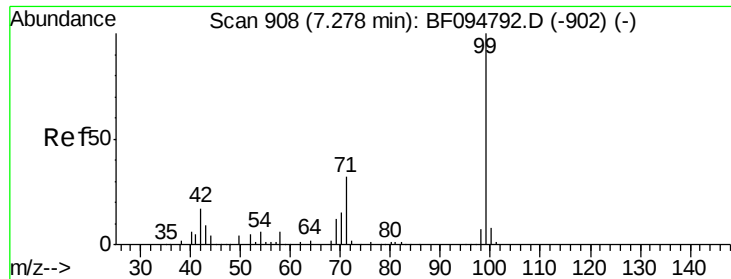
Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Tgt Ion:	112	Resp:	710598
Ion Ratio	Lower	Upper	
112	100		
64	54.3	46.0	69.0
63	26.6	23.4	35.0





#7

Phenol-d6

Concen: 134.10 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

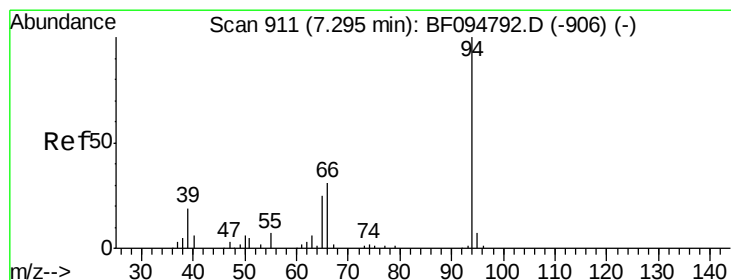
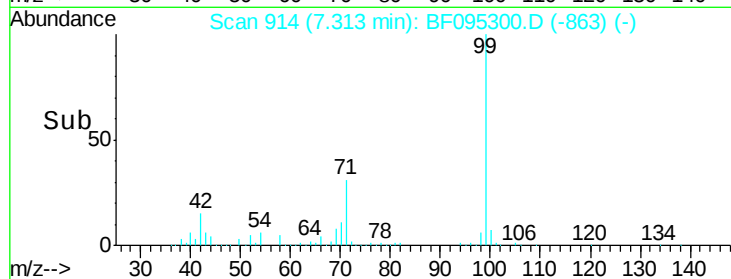
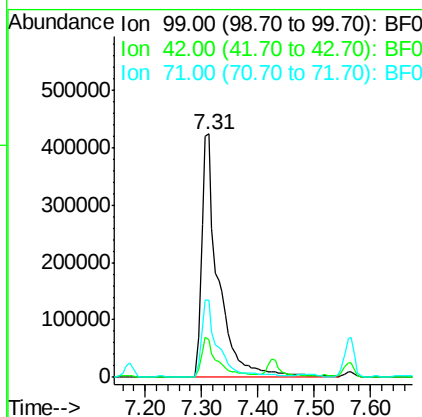
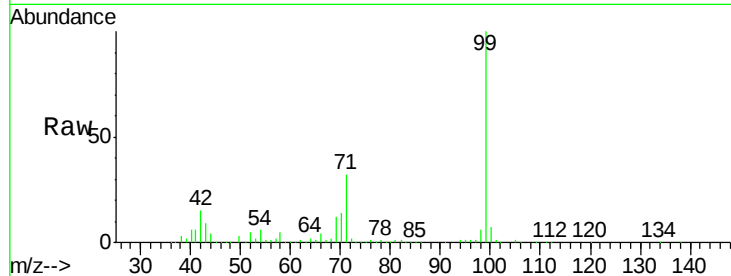
ClientSampled :

E2-S5-BASE

Tgt Ion:	99	Resp:	879653
Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.5	20.3
71	31.6	24.5	36.7

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#10

Phenol

Concen: 25.63 ng

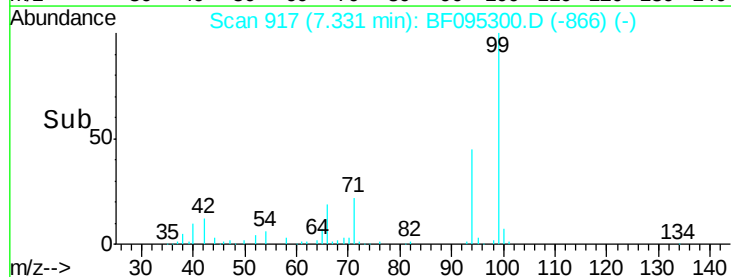
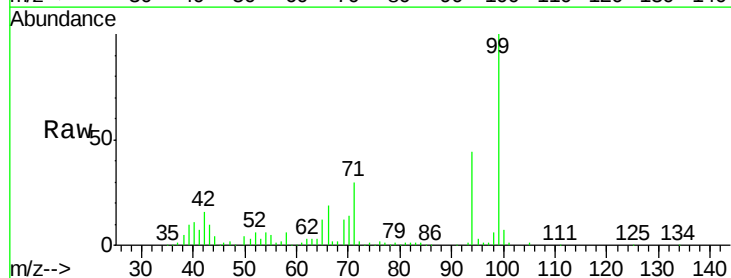
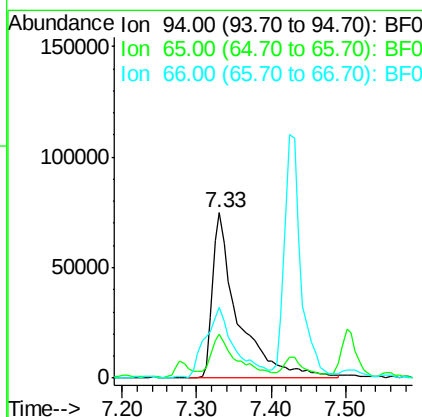
RT: 7.33 min Scan# 917

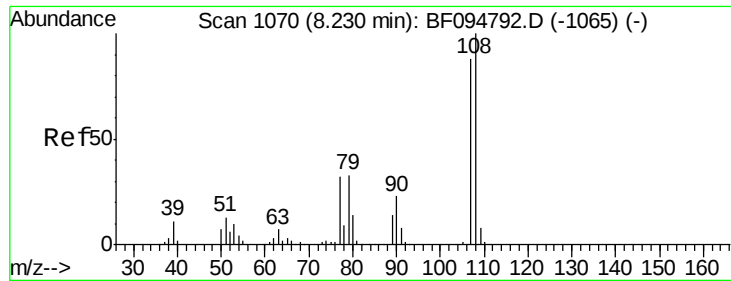
Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Tgt Ion:	94	Resp:	177186
Ion	Ratio	Lower	Upper
94	100		
65	26.4	9.9	49.9
66	42.7	23.1	63.1





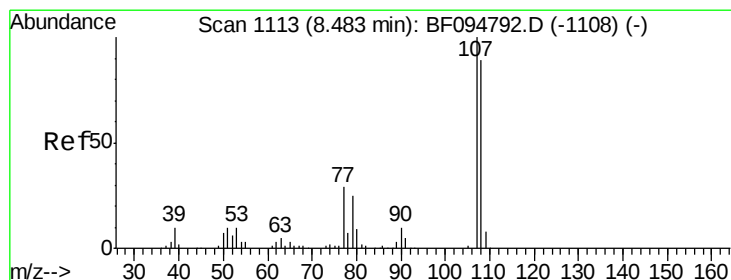
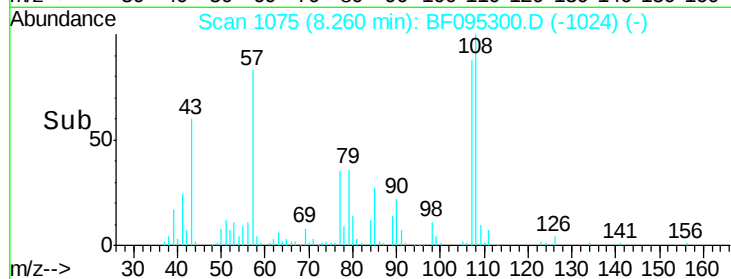
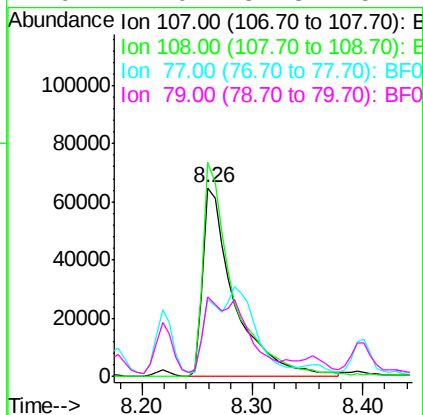
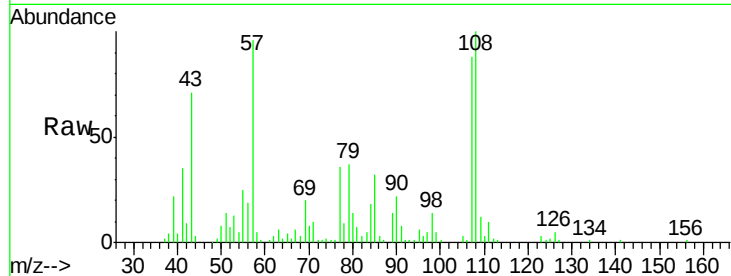
#17
2-Methylphenol
Concen: 24.70 ng
RT: 8.26 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Instrument :
BNA_F
ClientSampled :
E2-S5-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	125801		
108	113.1	93.4	140.0	
77	40.5	35.8	53.6	
79	42.0	34.8	52.2	

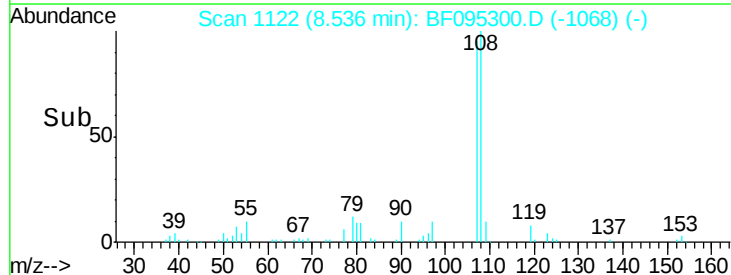
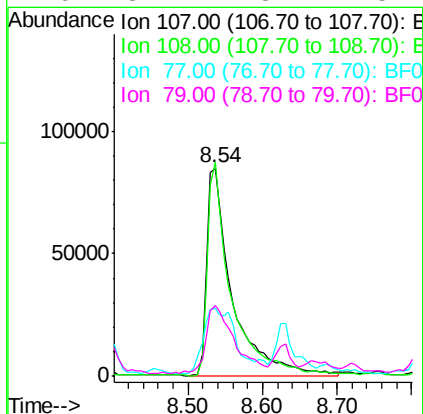
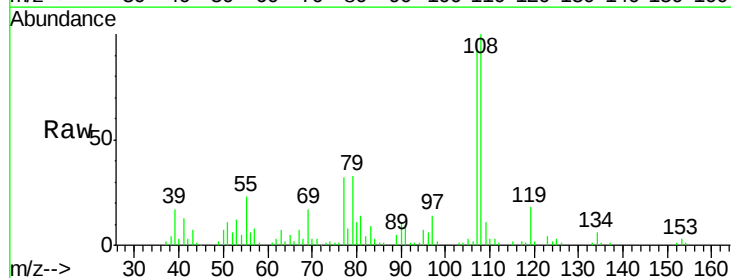
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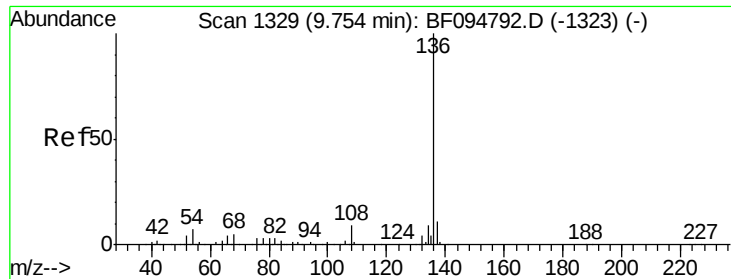
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#20
3+4-Methylphenols
Concen: 29.32 ng
RT: 8.54 min Scan# 1122
Delta R.T. 0.02 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	202858		
108	102.9	71.0	111.0	
77	32.9	90.5	130.5#	
79	34.1	8.4	48.4	





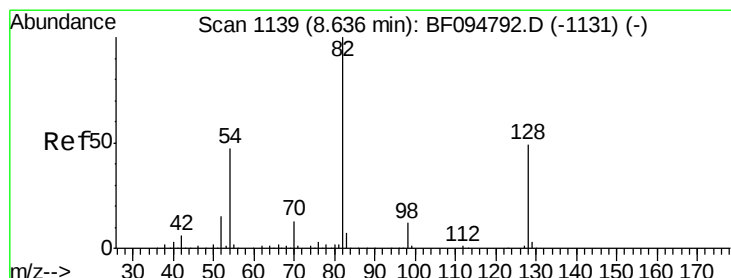
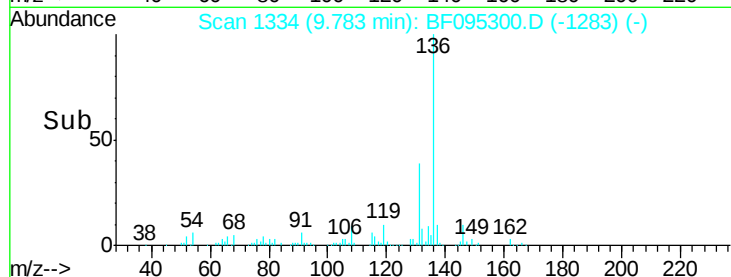
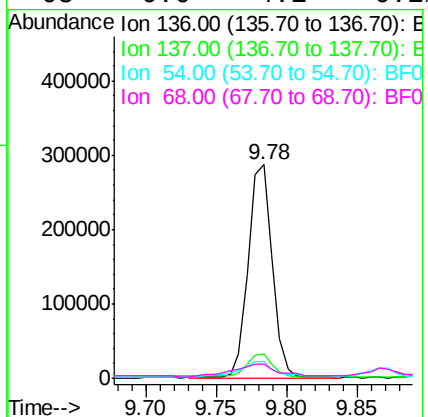
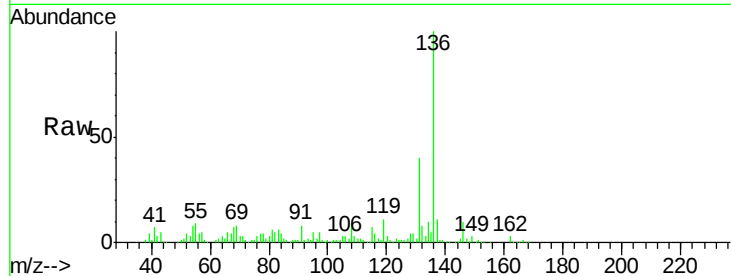
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.78 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-S5-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	343231		
137	11.2	8.5	12.7	
54	7.5	4.9	7.3	
68	6.6	4.1	6.1	

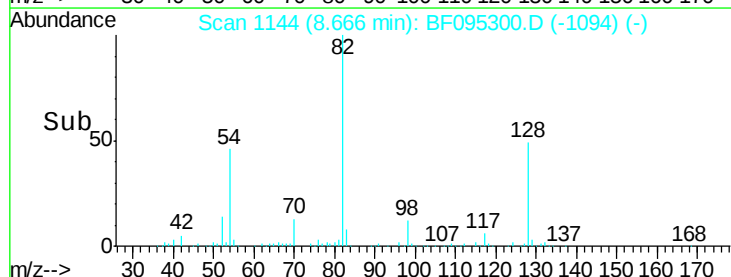
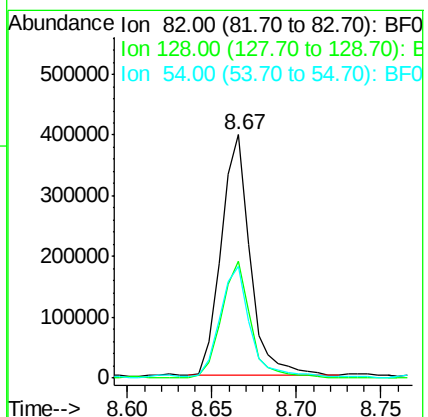
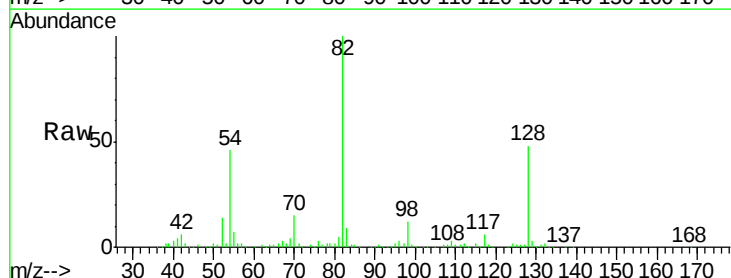
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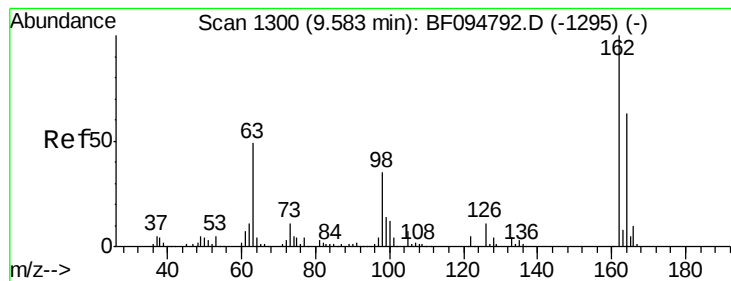
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#23
Nitrobenzene-d5
Concen: 87.52 ng
RT: 8.67 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	476379		
128	47.8	34.0	51.0	
54	46.0	42.2	63.2	





#29

2,4-Dichlorophenol

Concen: 7.57 ng

RT: 9.65 min Scan# 1312

Delta R.T. 0.02 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

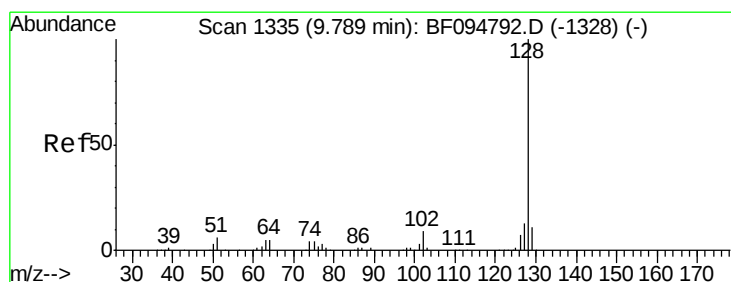
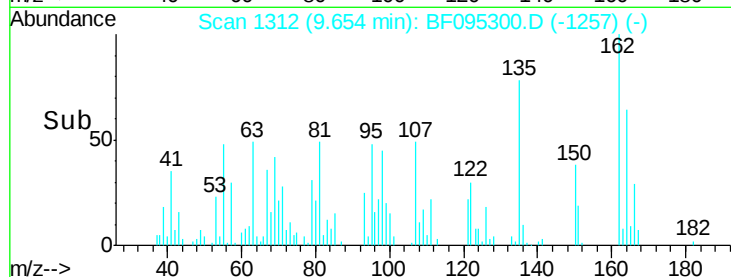
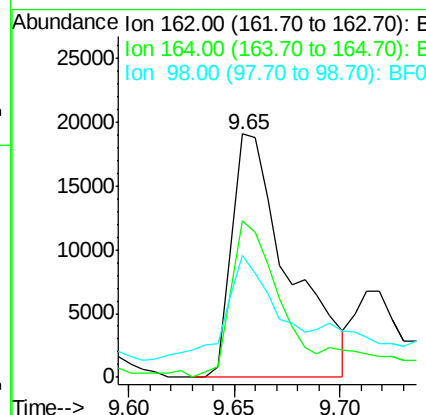
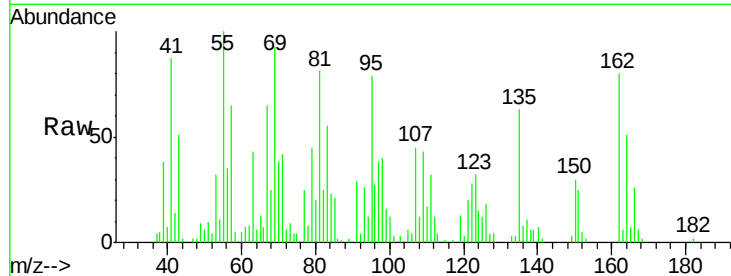
ClientSampleId :

E2-S5-BASE

Tgt Ion:	162	Resp:	35594
Ion Ratio	Lower	Upper	
162	100		
164	64.2	44.6	84.6
98	50.2	14.8	54.8

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#31

Naphthalene

Concen: 61.33 ng

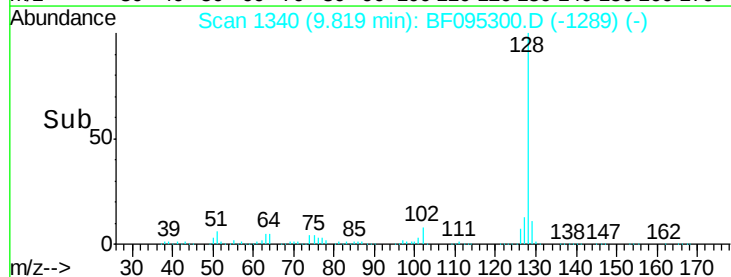
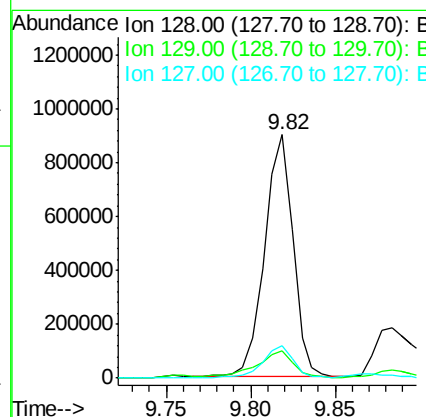
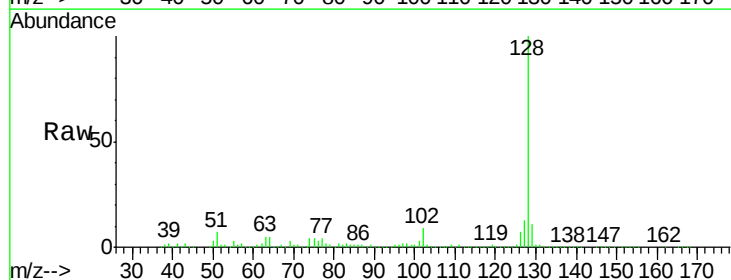
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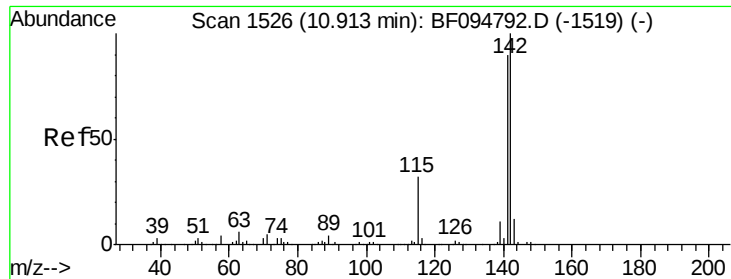
Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Tgt Ion:	128	Resp:	1057948
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.6
127	13.2	10.8	16.2





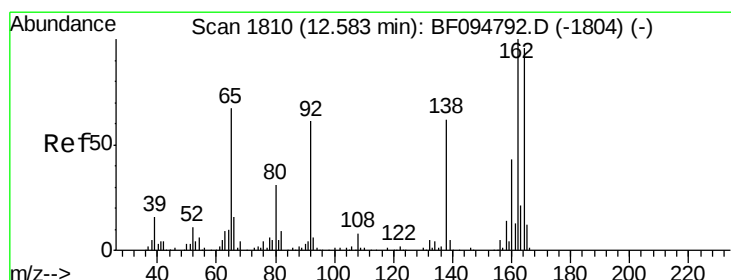
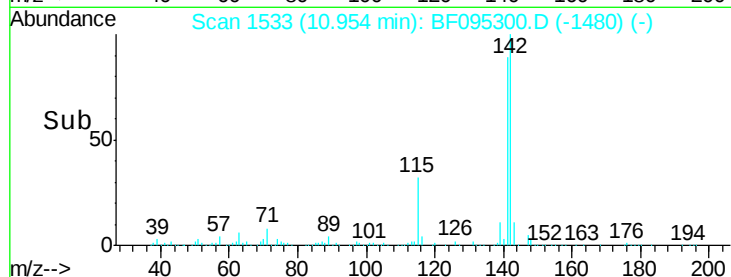
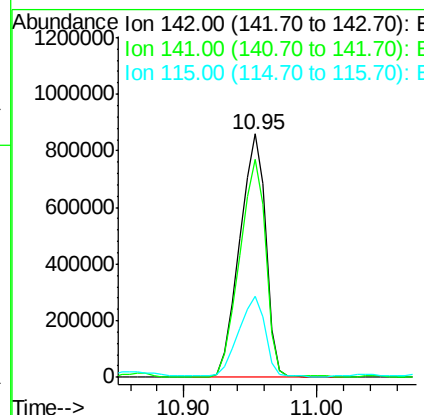
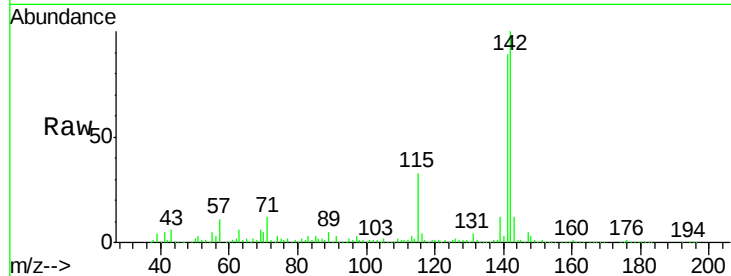
#37
2-Methylnaphthalene
Concen: 103.46 ng
RT: 10.95 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-S5-BASE

Tgt Ion:142 Resp: 1171288
Ion Ratio Lower Upper
142 100
141 89.5 71.3 106.9
115 33.1 27.1 40.7

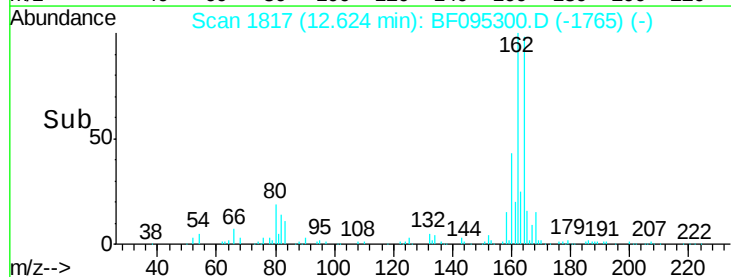
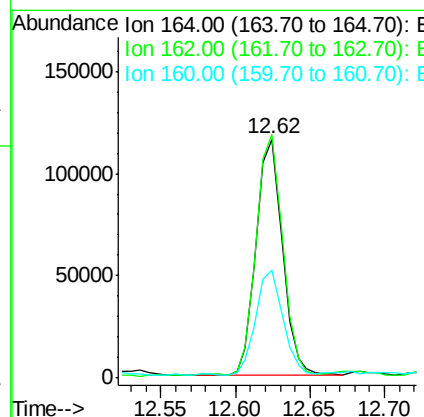
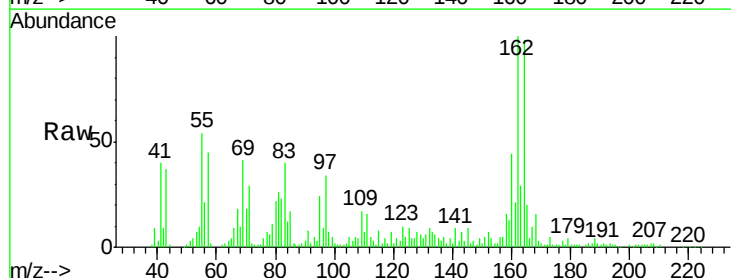
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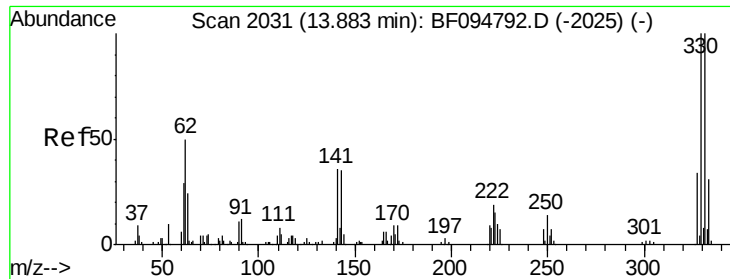
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion:164 Resp: 141912
Ion Ratio Lower Upper
164 100
162 101.9 82.6 123.8
160 45.0 36.2 54.2





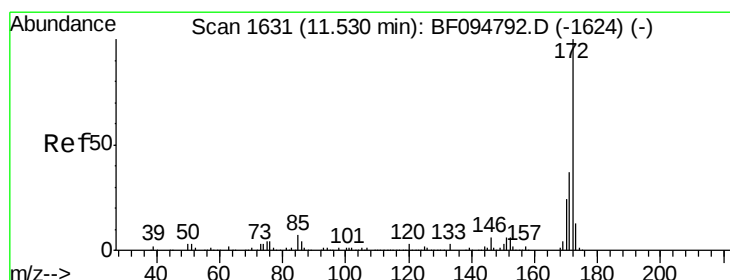
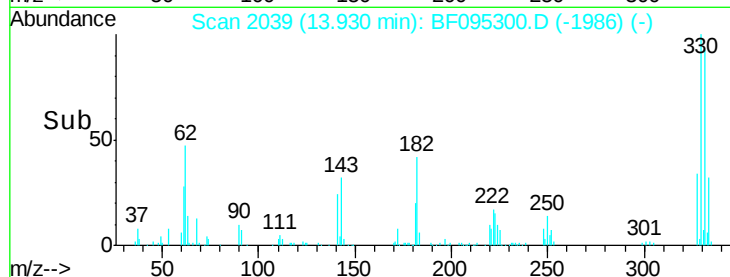
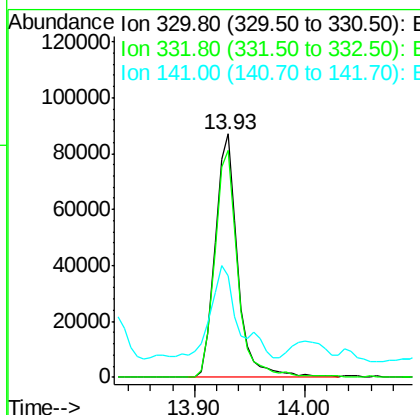
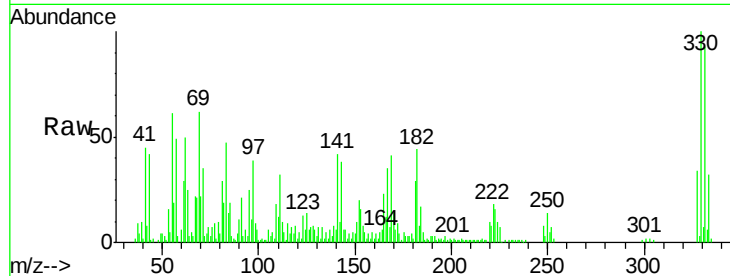
#41
 2,4,6-Tribromophenol
 Concen: 105.23 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	122299		
332	95.6	76.6	115.0	
141	51.4	31.4	47.2	

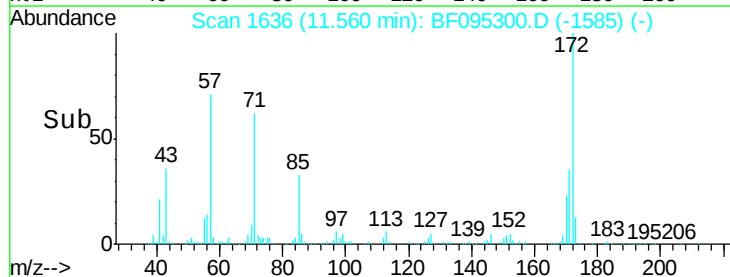
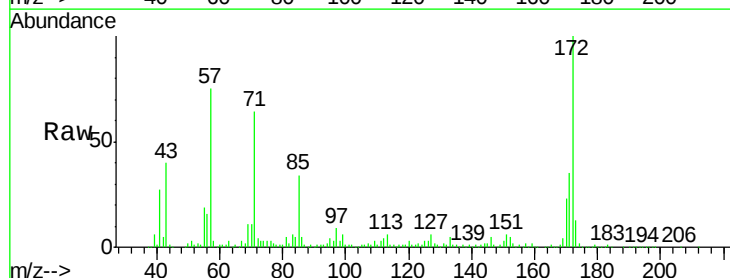
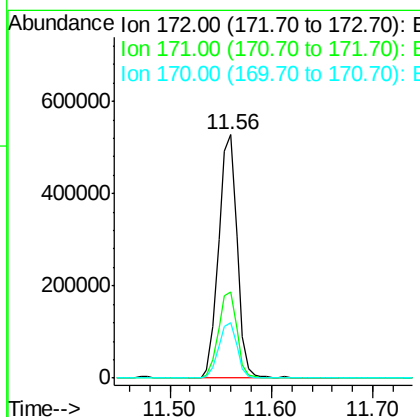
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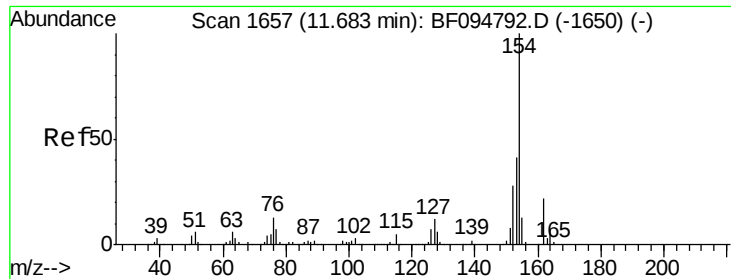
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 67.96 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	670029		
171	35.4	29.6	44.4	
170	22.7	19.8	29.8	





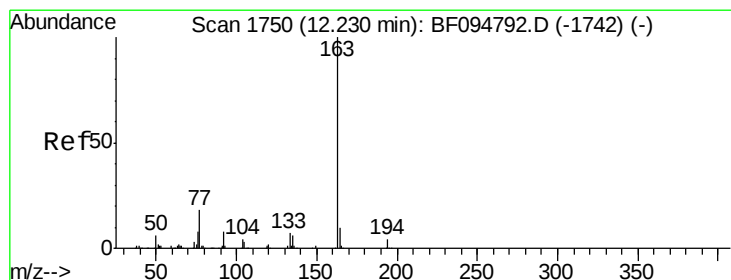
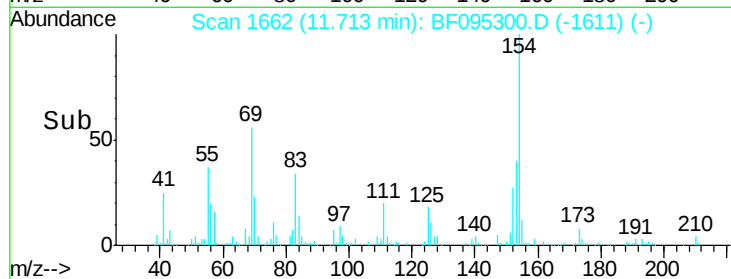
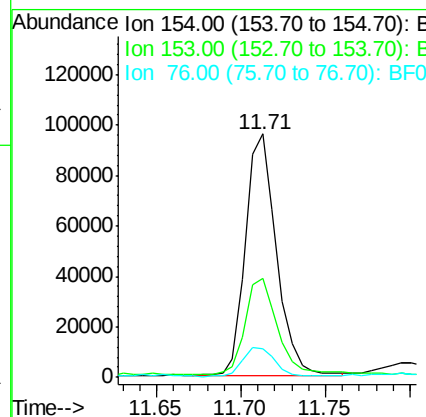
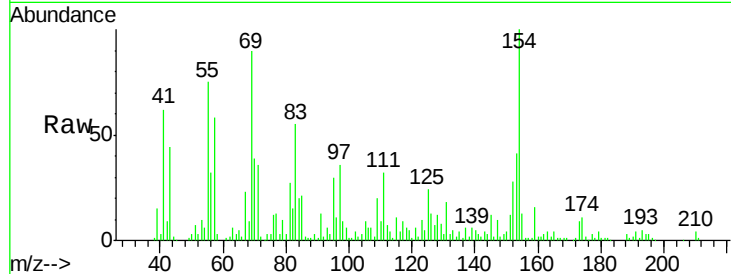
#45
 1,1'-Biphenyl
 Concen: 10.18 ng
 RT: 11.71 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	121613		
153	40.8	21.2	61.2	
76	11.5	0.0	29.9	

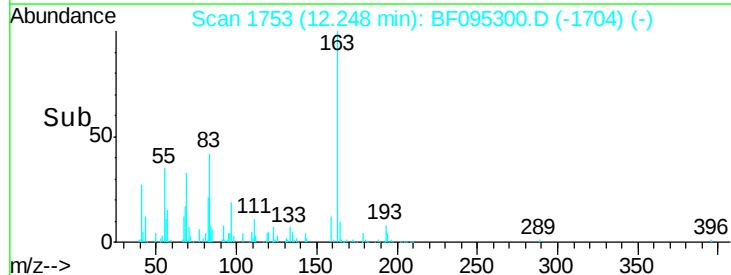
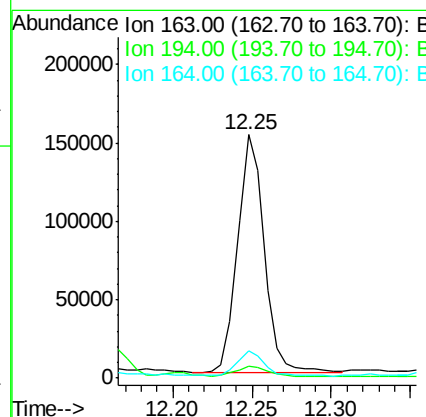
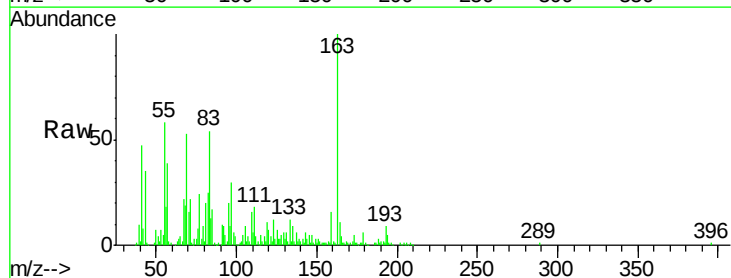
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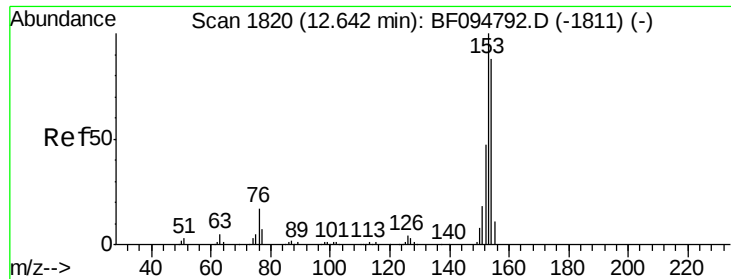
mohammad
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#49
 Dimethylphthalate
 Concen: 15.11 ng
 RT: 12.25 min Scan# 1753
 Delta R.T. -0.01 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	175999		
194	4.9	2.6	4.0#	
164	11.3	8.4	12.6	





#51

Acenaphthene

Concen: 8.49 ng m

RT: 12.68 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

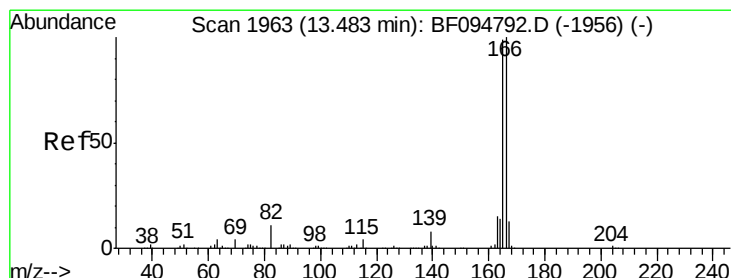
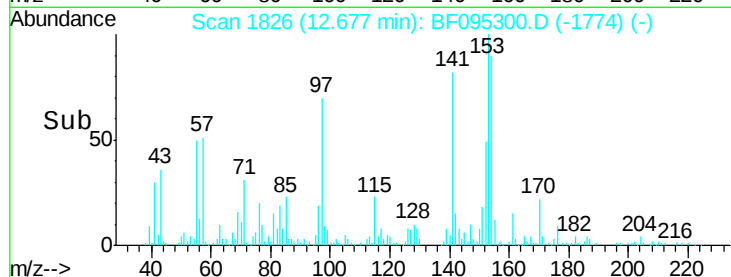
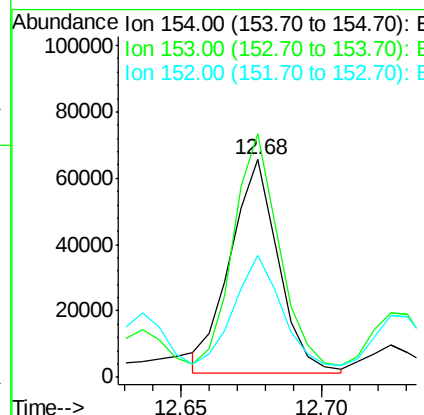
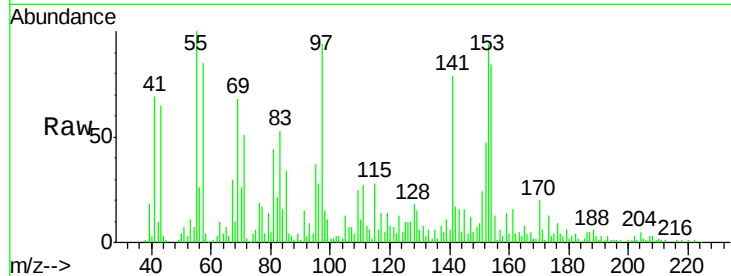
ClientSampleId :

E2-S5-BASE

Tgt Ion:	154	Resp:	76669
Ion Ratio	Lower	Upper	
154	100		
153	111.8	90.5	135.7
152	56.1	43.6	65.4

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#57

Fluorene

Concen: 11.00 ng

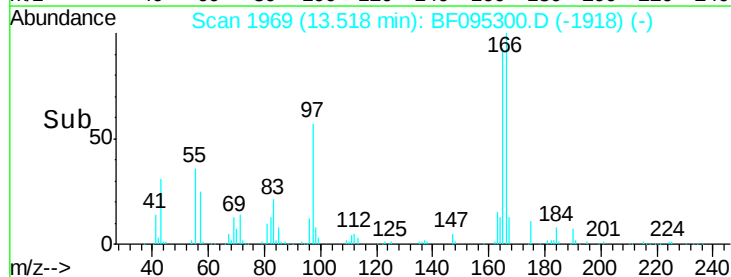
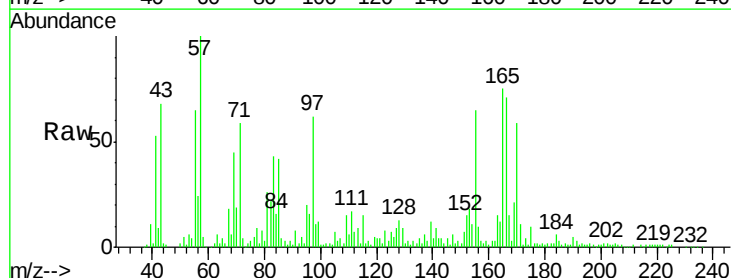
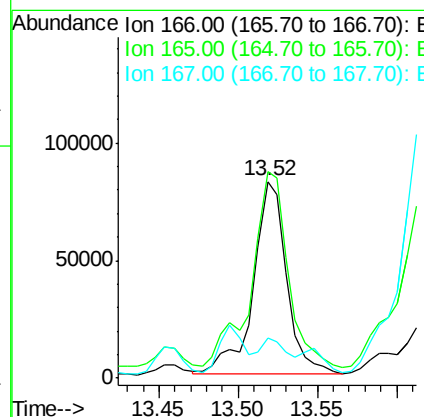
RT: 13.52 min Scan# 1969

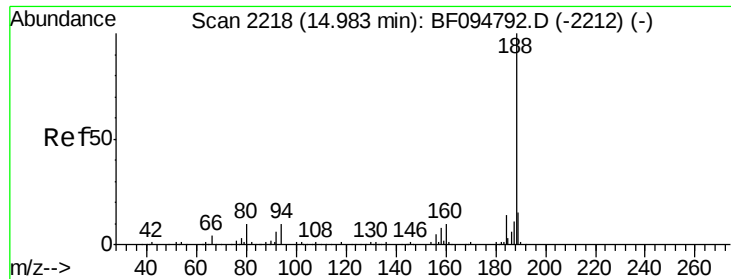
Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Tgt Ion:	166	Resp:	119457
Ion Ratio	Lower	Upper	
166	100		
165	105.2	78.8	118.2
167	20.7	10.6	16.0





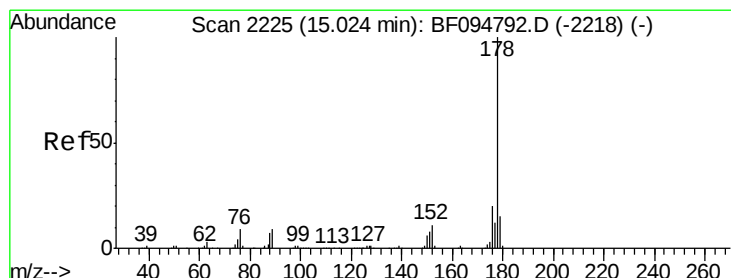
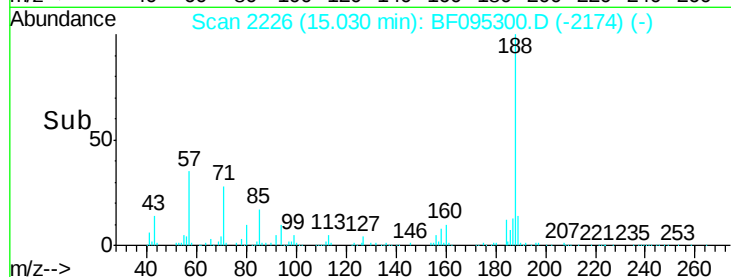
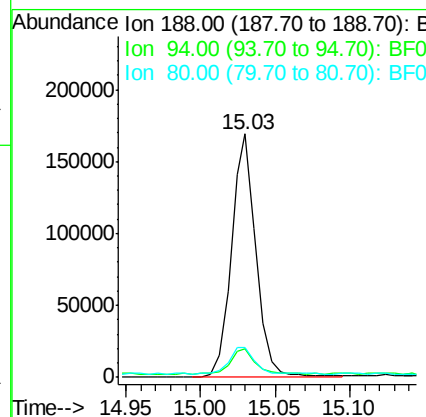
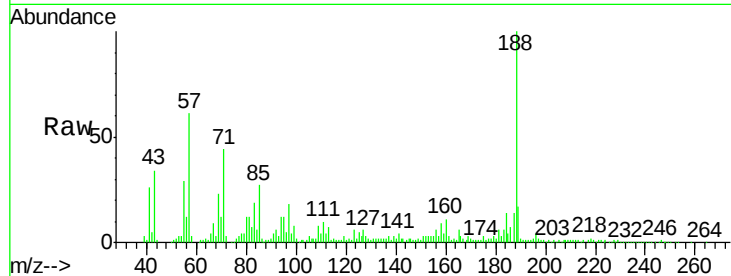
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.03 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-S5-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.7	9.4	14.2
80	12.0	10.2	15.2

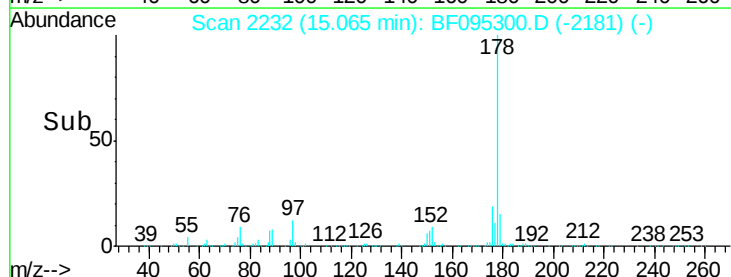
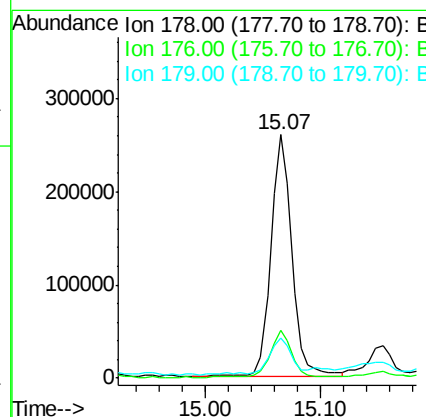
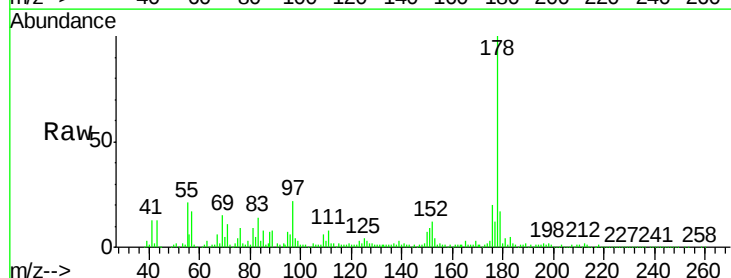
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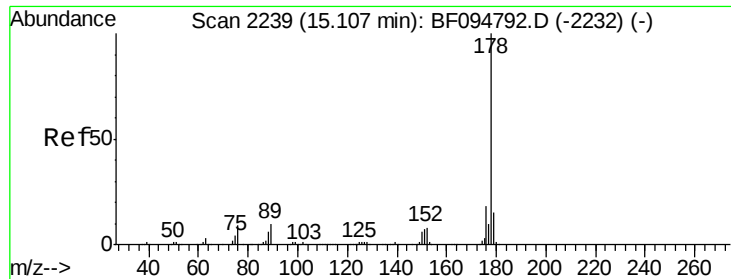
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#70
Phenanthrene
Concen: 29.97 ng
RT: 15.07 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.2	24.4
179	16.7	12.6	19.0





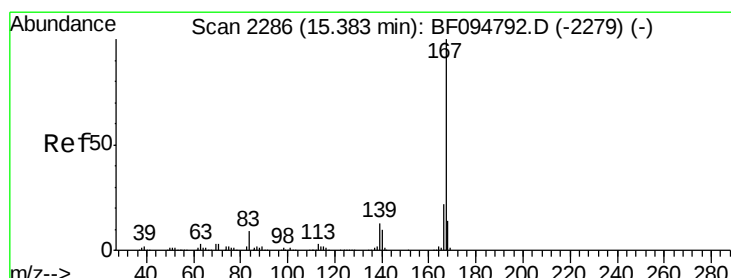
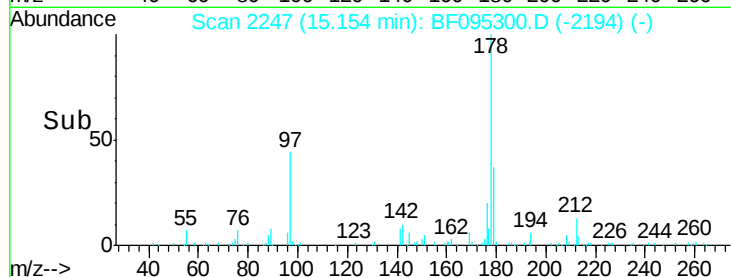
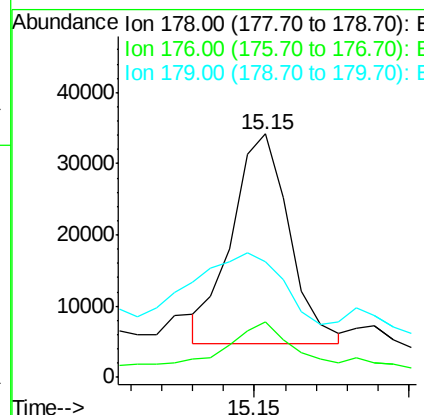
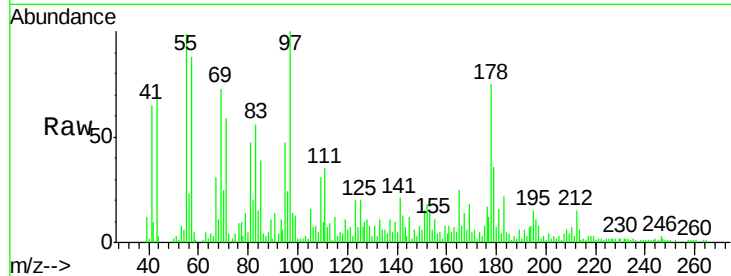
#71
 Anthracene
 Concen: 3.37 ng m
 RT: 15.15 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-BASE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.5	15.8	23.8
179	47.7	12.7	19.1

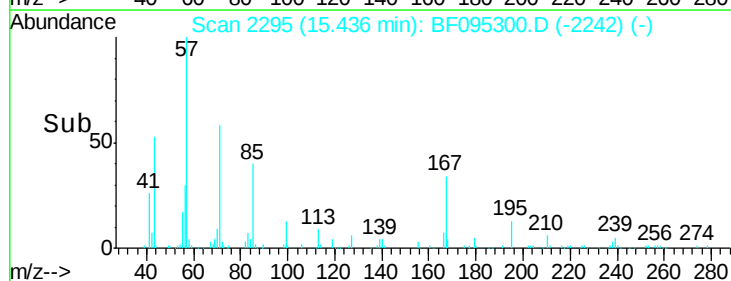
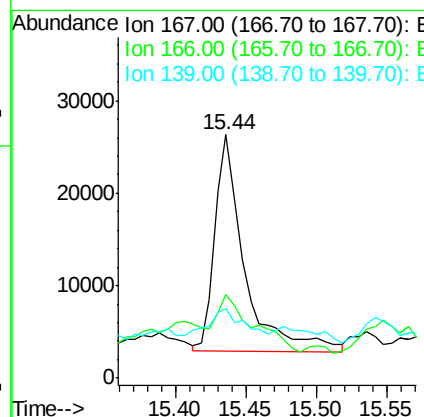
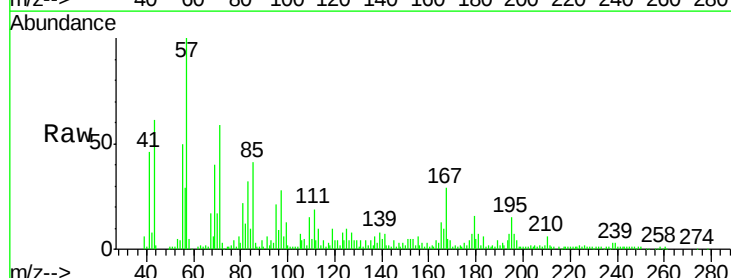
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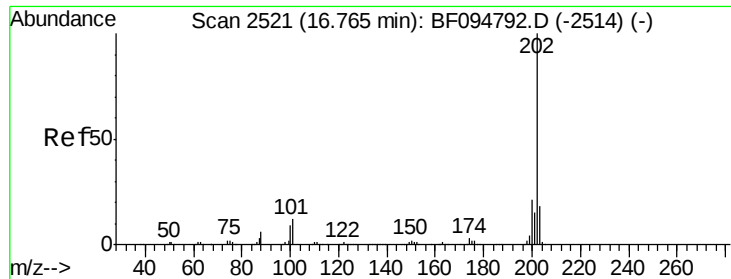
mohammad
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#72
 Carbazole
 Concen: 3.34 ng
 RT: 15.44 min Scan# 2295
 Delta R.T. 0.01 min
 Lab File: BF095300.D
 Acq: 20 May 2017 12:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	34.4	18.1	27.1
139	28.7	11.7	17.5





#74

Fluoranthene

Concen: 13.03 ng

RT: 16.80 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

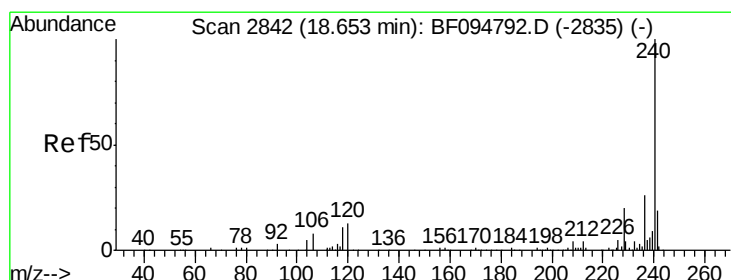
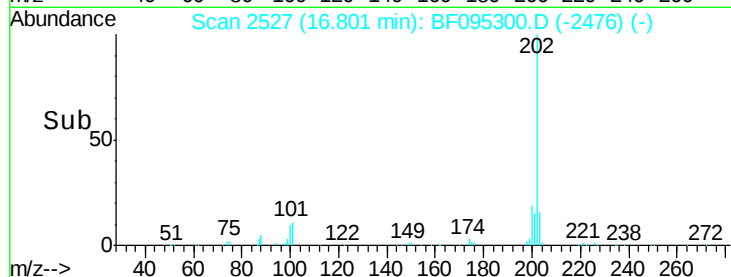
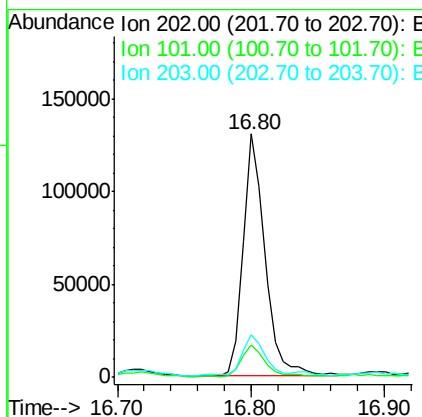
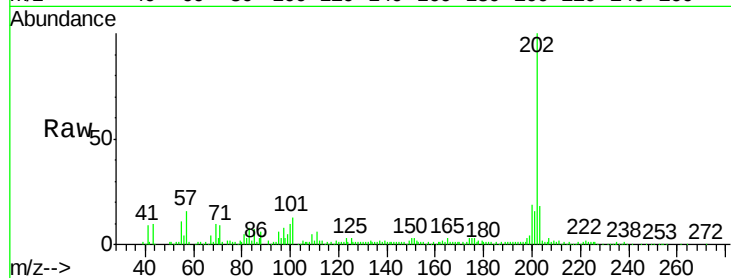
ClientSampleId :

E2-S5-BASE

Tgt Ion:	202	Resp:	148305
Ion Ratio		Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

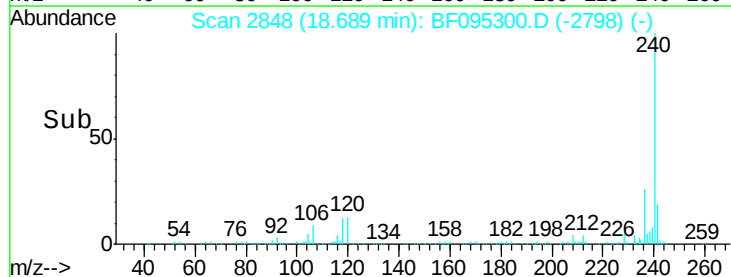
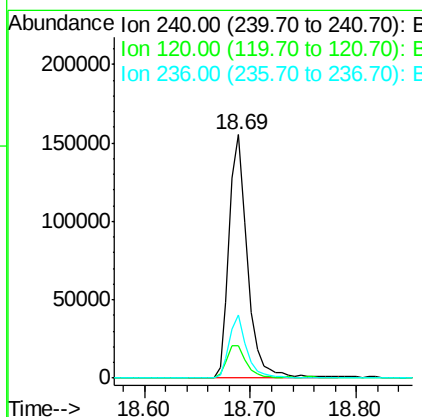
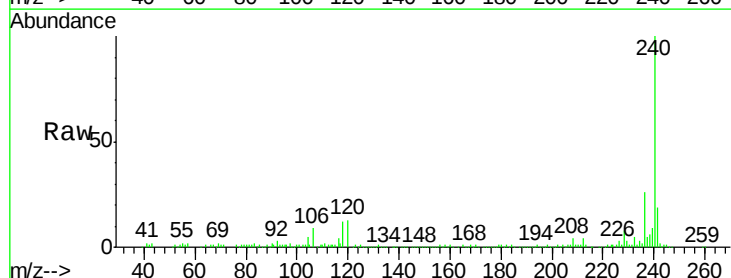
RT: 18.69 min Scan# 2848

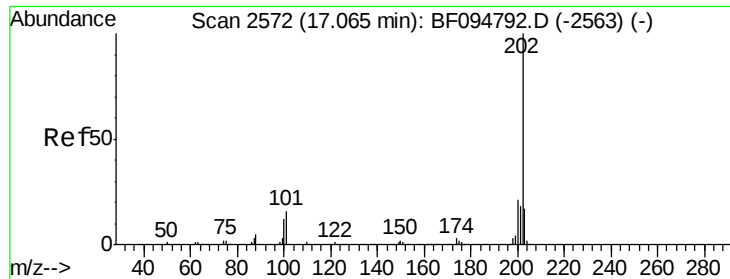
Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Tgt Ion:	240	Resp:	187858
Ion Ratio		Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	25.9	20.5	30.7





#77

Pyrene

Concen: 9.72 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

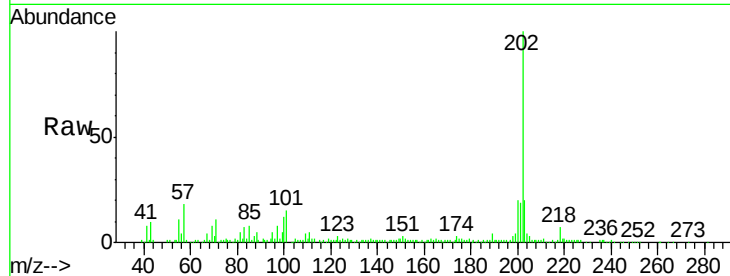
ClientSampleId :

E2-S5-BASE

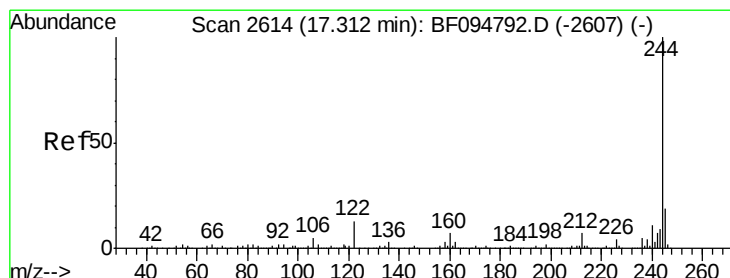
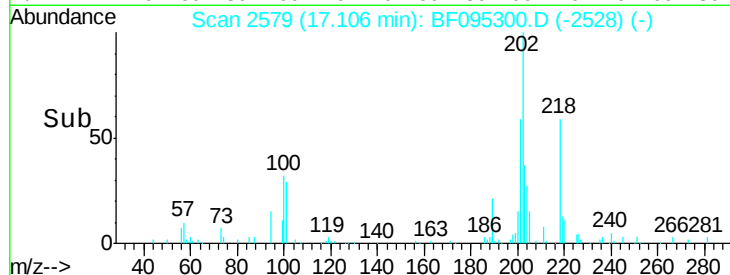
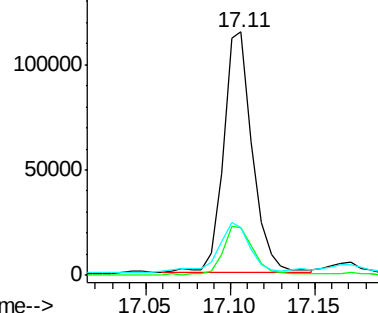
Tgt Ion:	202	Resp:	136592
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.6	26.4
203	19.8	14.4	21.6

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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: 45.99 ng

RT: 17.34 min Scan# 2618

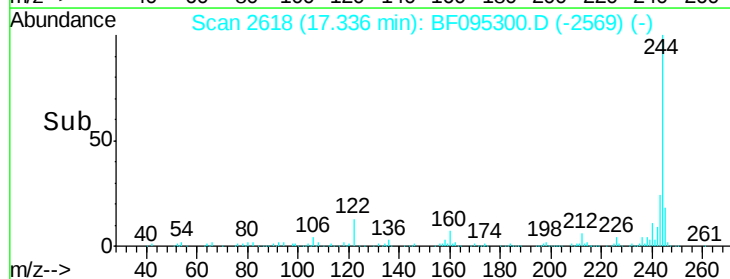
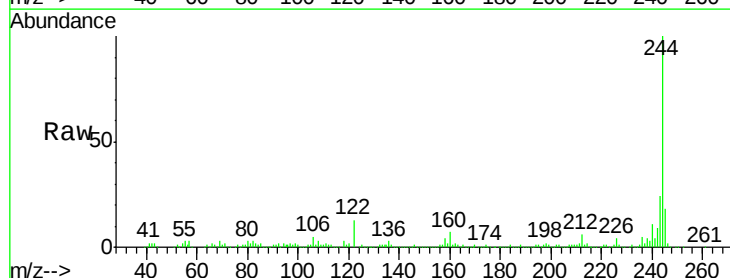
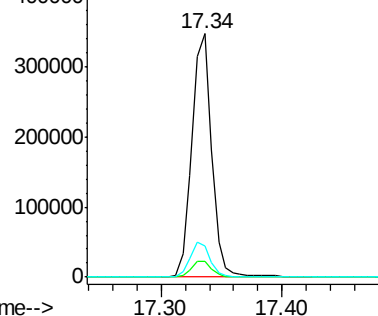
Delta R.T. -0.01 min

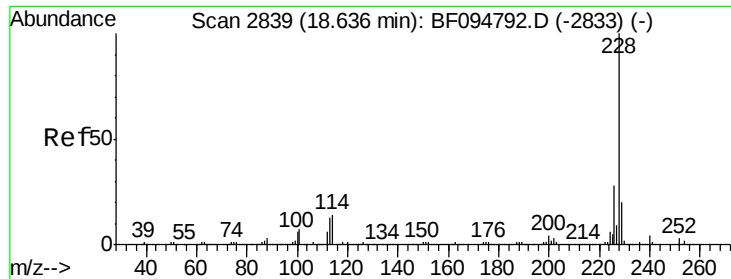
Lab File: BF095300.D

Acq: 20 May 2017 12:34

Tgt Ion:	244	Resp:	392281
Ion Ratio	Lower	Upper	
244	100		
212	6.3	6.0	9.0
122	12.8	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





#80

Benzo(a)anthracene

Concen: 4.23 ng m

RT: 18.68 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Instrument :

BNA_F

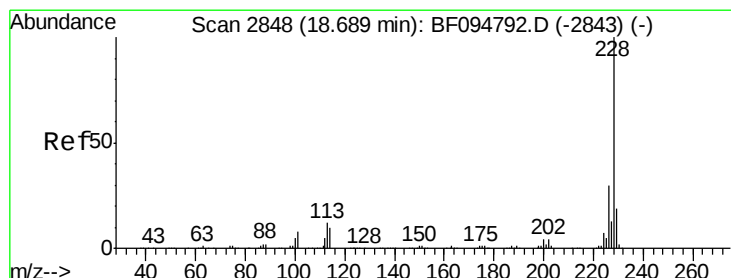
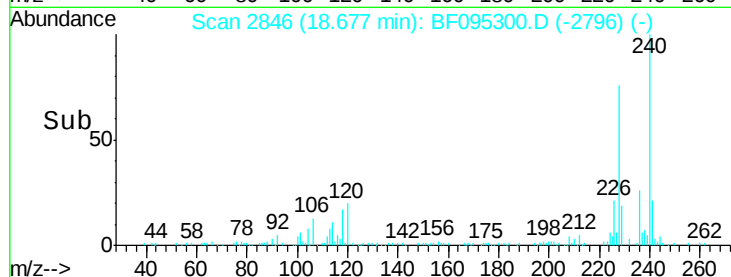
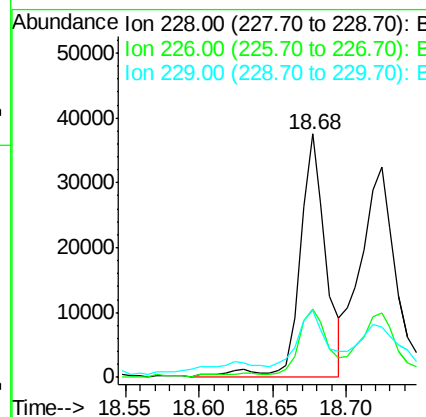
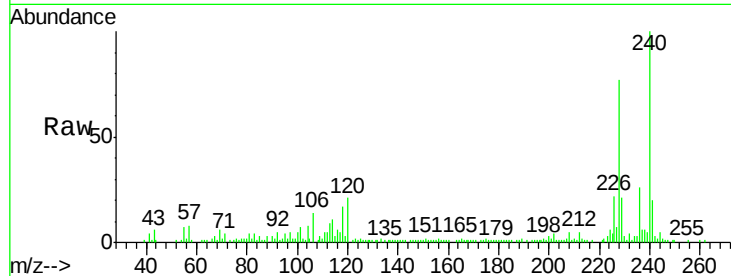
ClientSampleId :

E2-S5-BASE

Tgt Ion:	228	Resp:	46255
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.6	33.8
229	27.8	16.3	24.5#

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#82

Chrysene

Concen: 5.23 ng

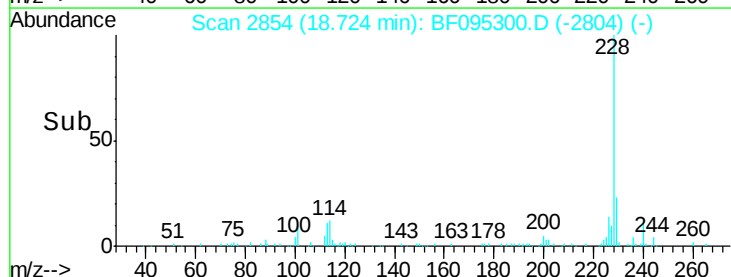
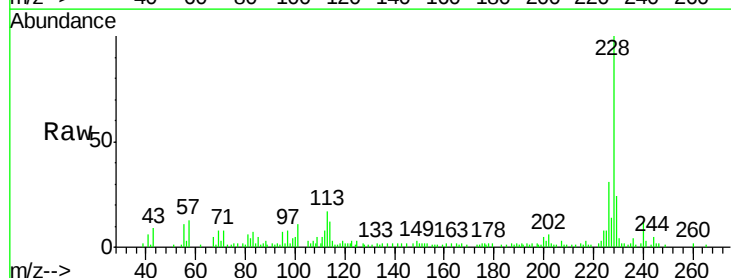
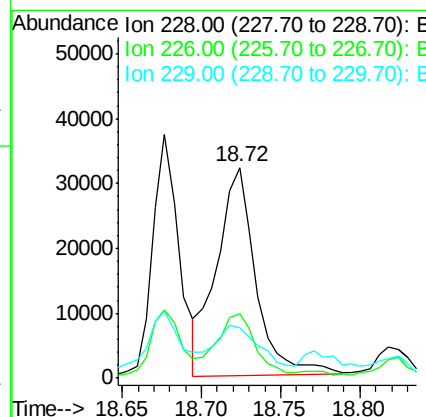
RT: 18.72 min Scan# 2854

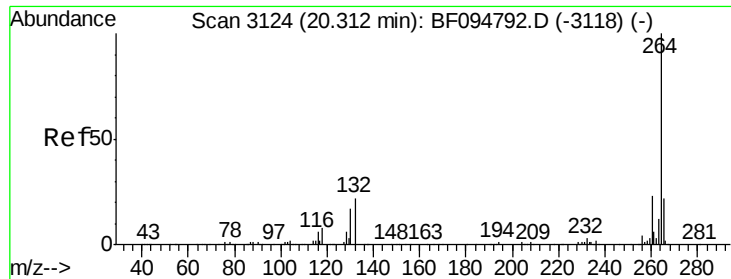
Delta R.T. -0.01 min

Lab File: BF095300.D

Acq: 20 May 2017 12:34

Tgt Ion:	228	Resp:	55309
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	23.9	15.8	23.6#





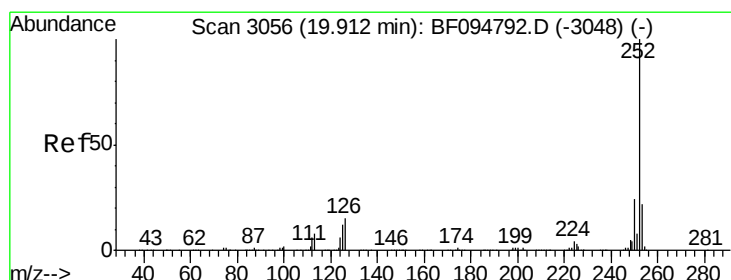
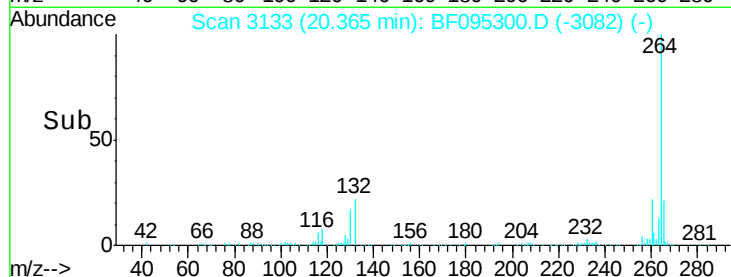
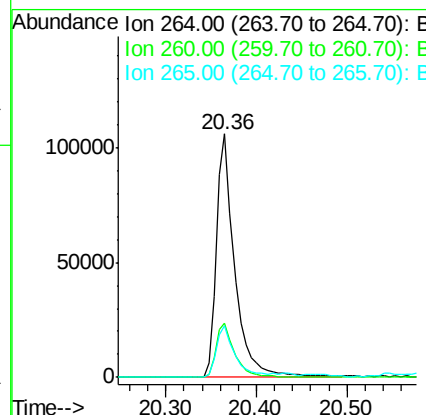
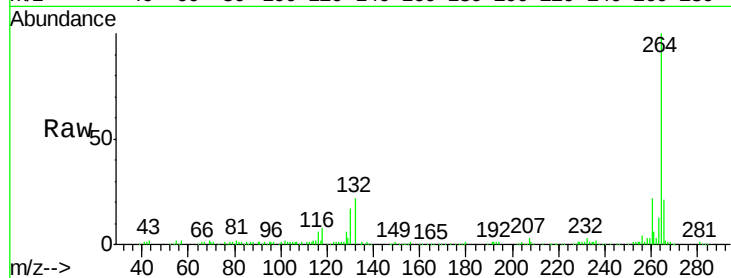
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Instrument :
BNA_F
ClientSampled :
E2-S5-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	150003		
260	22.4		19.5	29.3
265	21.0		17.2	25.8

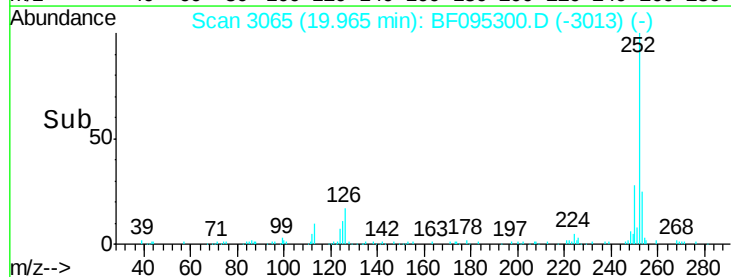
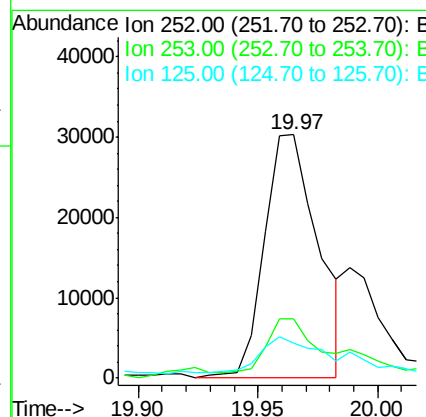
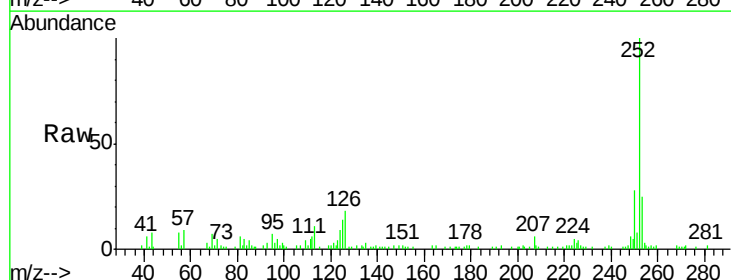
Manual Integrations
APPROVED

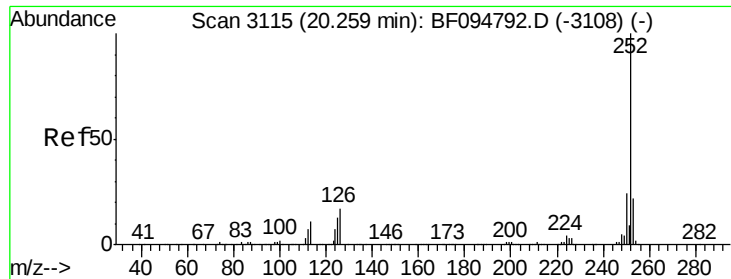
mohammad
5/22/2017 1:30:31 PM



#87
Benzo(b)fluoranthene
Concen: 5.14 ng m
RT: 19.97 min Scan# 3065
Delta R.T. 0.01 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	47601		
253	24.5		18.1	27.1
125	14.2		9.8	14.8





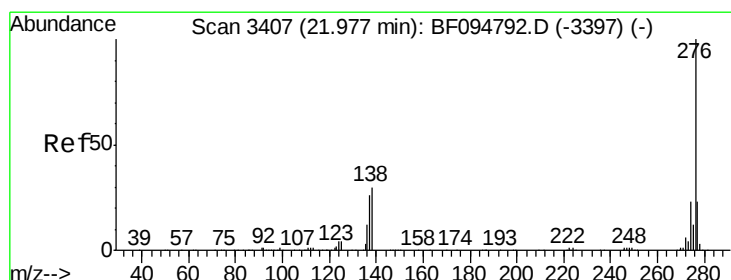
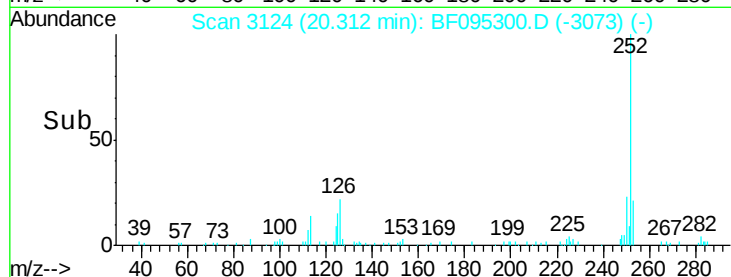
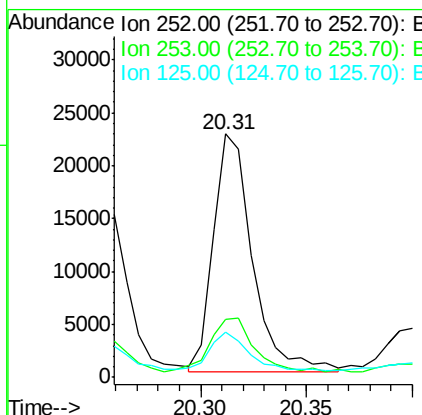
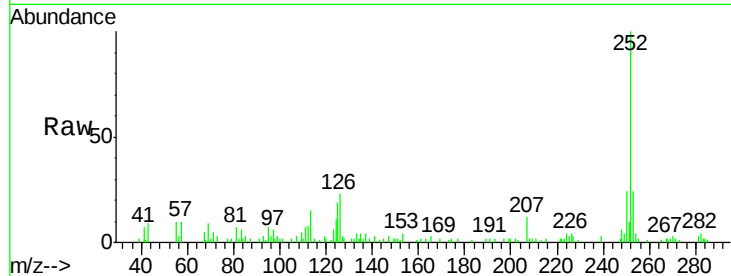
#89
Benzo(a)pyrene
Concen: 3.41 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Instrument :
BNA_F
ClientSampleId :
E2-S5-BASE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	18.8	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/22/2017 1:30:31 PM



#91
Benzo(g,h,i)perylene
Concen: 2.19 ng
RT: 22.11 min Scan# 3430
Delta R.T. 0.03 min
Lab File: BF095300.D
Acq: 20 May 2017 12:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.9	18.6	28.0
138	37.6	25.4	38.0

