

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
 Data File : BF095301.D
 Acq On : 20 May 2017 13:06
 Operator : SJ/MA
 Sample : I3203-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-T7-BASE

Manual Integrations
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Quant Time: May 22 04:27:02 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	7.77	152	85837	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	270811	20.00	ng	0.00
38) Acenaphthene-d10	12.63	164	109481	20.00	ng	0.01
63) Phenanthrene-d10	15.04	188	135108	20.00	ng	0.02
75) Chrysene-d12	18.72	240	144198	20.00	ng	0.02
86) Perylene-d12	20.39	264	124219	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	509255	98.91	ng	-0.02
7) Phenol-d6	7.30	99	646672	104.68	ng	-0.01
23) Nitrobenzene-d5	8.67	82	389508	90.70	ng	0.00
41) 2,4,6-Tribromophenol	13.93	330	79780	88.98	ng	0.01
44) 2-Fluorobiphenyl	11.57	172	440370	57.90	ng	0.00
78) Terphenyl-d14	17.36	244	260309	39.76	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	9.82	128	725446	53.30	ng	100
37) 2-Methylnaphthalene	10.96	142	231146	25.88	ng	96
48) Acenaphthylene	12.41	152	112935	9.69	ng	# 87
49) Dimethylphthalate	12.25	163	103476	11.51	ng	# 96
51) Acenaphthene	12.68	154	68601	9.85	ng	98
54) Dibenzofuran	12.98	168	44732	4.64	ng	# 72
57) Fluorene	13.52	166	113197	13.51	ng	# 95
70) Phenanthrene	15.08	178	477502	61.51	ng	98
71) Anthracene	15.16	178	126422m	15.94	ng	
74) Fluoranthene	16.82	202	322811	40.54	ng	99
77) Pyrene	17.13	202	509960	47.29	ng	97
80) Benzo(a)anthracene	18.71	228	149238	17.78	ng	# 87
82) Chrysene	18.75	228	159215m	19.62	ng	
85) Indeno(1,2,3-cd)pyrene	21.72	276	148105	22.47	ng	91
87) Benzo(b)fluoranthene	19.98	252	220542m	28.73	ng	
88) Benzo(k)fluoranthene	20.00	252	65293m	8.82	ng	
89) Benzo(a)pyrene	20.33	252	218158	30.80	ng	# 85
90) Dibenzo(a,h)anthracene	21.72	278	31325	5.36	ng	# 75
91) Benzo(g,h,i)perylene	22.11	276	217959	37.97	ng	97

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

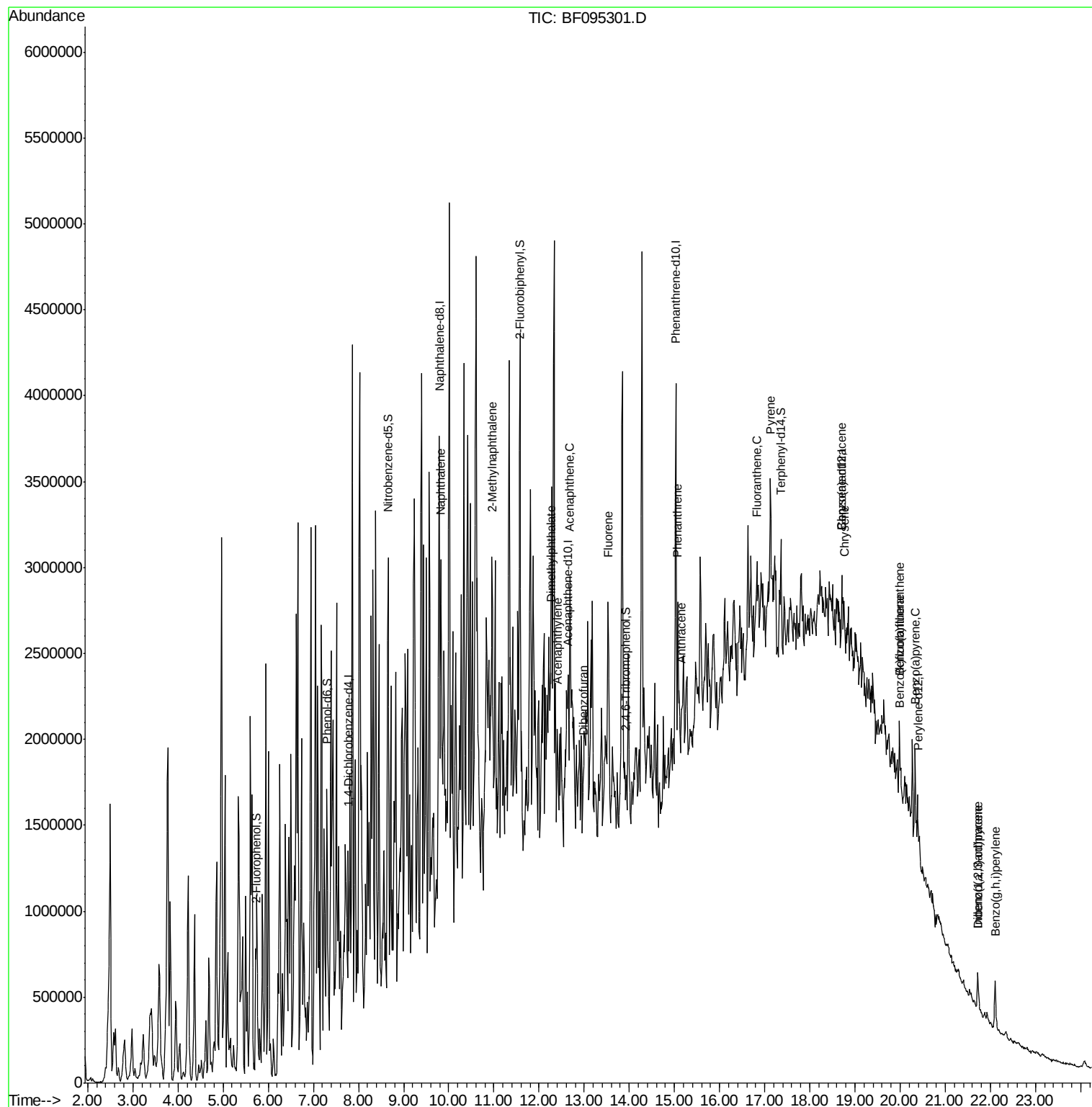
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095301.D
Acq On : 20 May 2017 13:06
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Sample : I3203-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

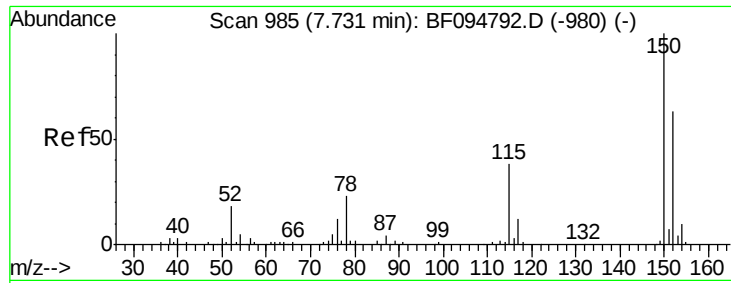
Instrument :
BNA_F
ClientSampleId :
E2-T7-BASE

Quant Time: May 22 04:27:02 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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#1

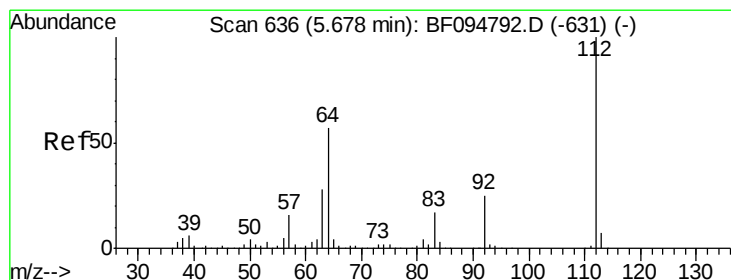
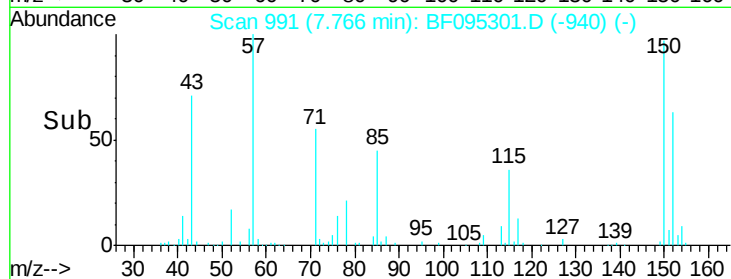
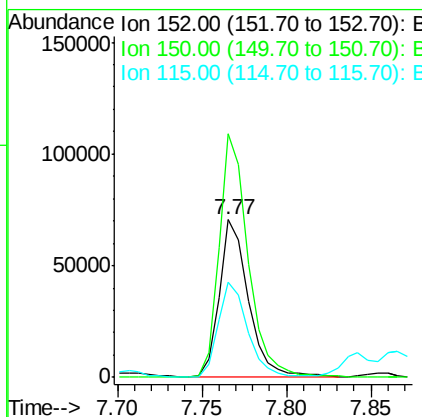
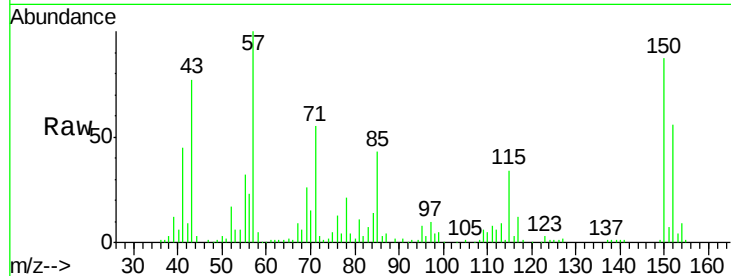
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 991
Delta R.T. -0.00 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Instrument :
BNA_F
ClientSampled :
E2-T7-BASE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.2
115	60.2	52.2	78.2

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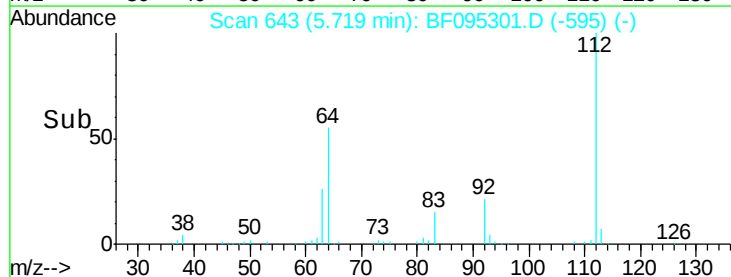
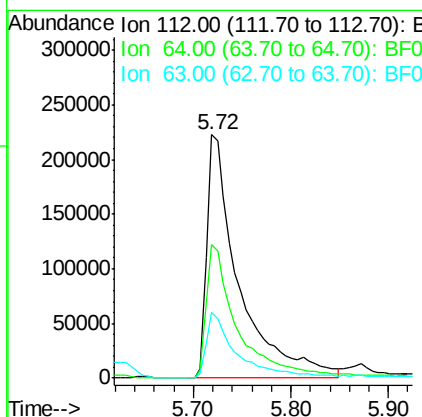
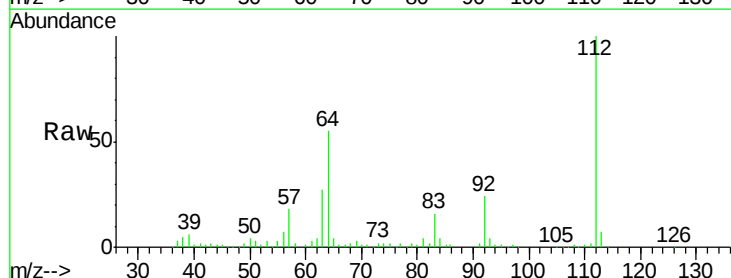
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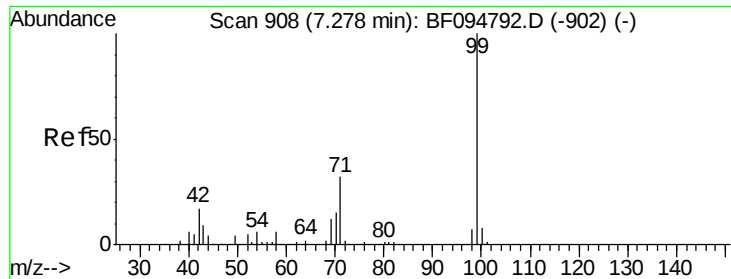


#5

2-Fluorophenol
Concen: 98.91 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.0	69.0
63	27.0	23.4	35.0





#7

Phenol-d6

Concen: 104.68 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Instrument :

BNA_F

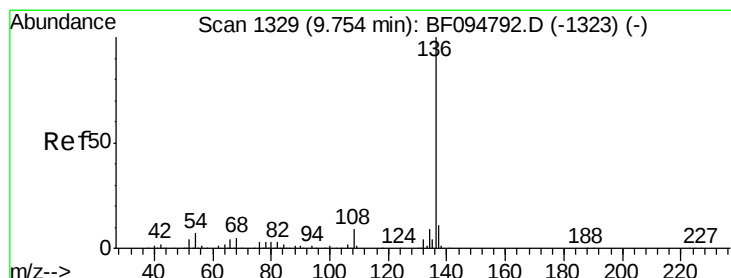
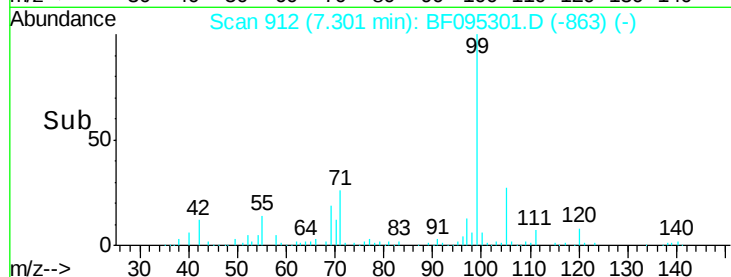
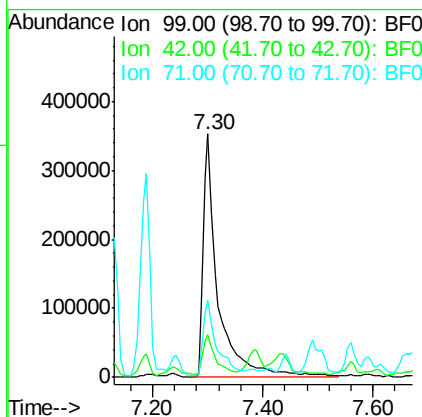
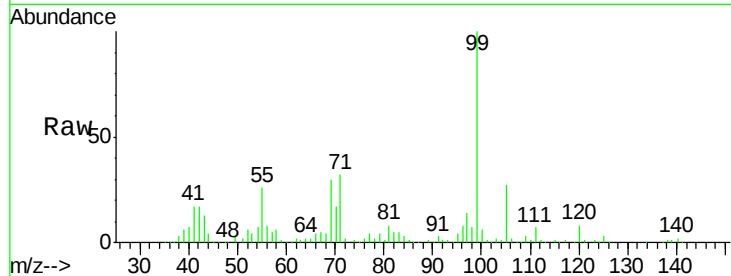
ClientSampleId :

E2-T7-BASE

Tgt Ion:	99	Resp:	646672
Ion Ratio	Lower	Upper	
99	100		
42	17.4	13.5	20.3
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

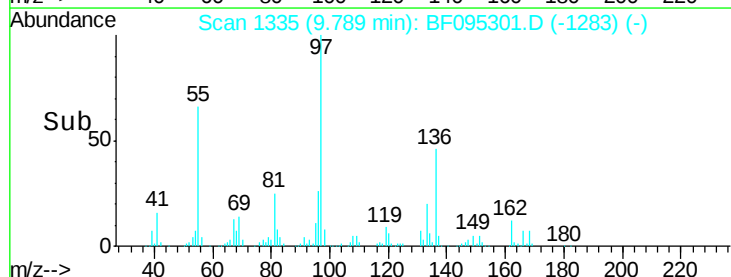
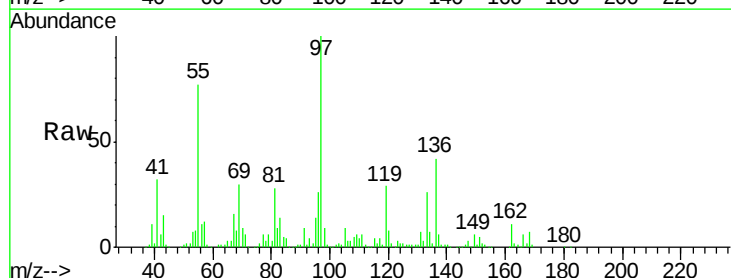
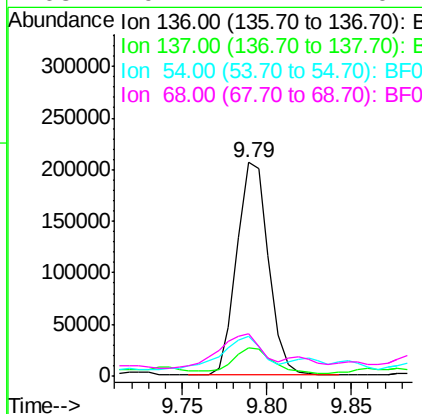
RT: 9.79 min Scan# 1335

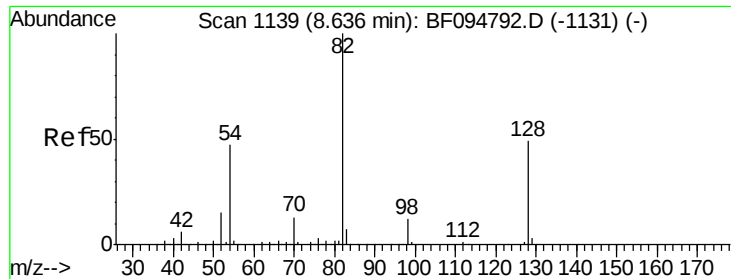
Delta R.T. 0.01 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Tgt Ion:	136	Resp:	270811
Ion Ratio	Lower	Upper	
136	100		
137	13.2	8.5	12.7#
54	18.4	4.9	7.3#
68	19.7	4.1	6.1#





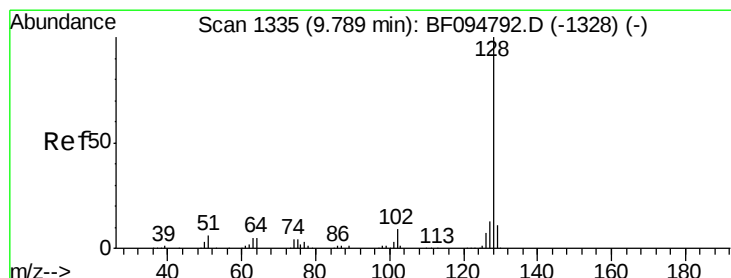
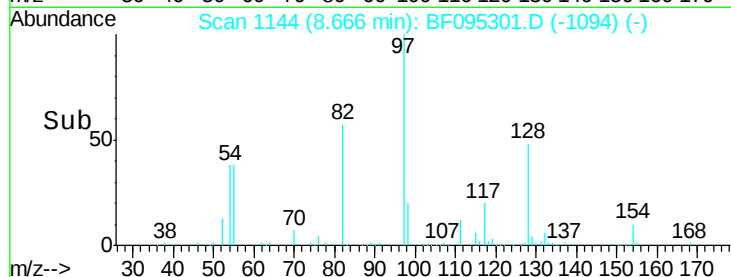
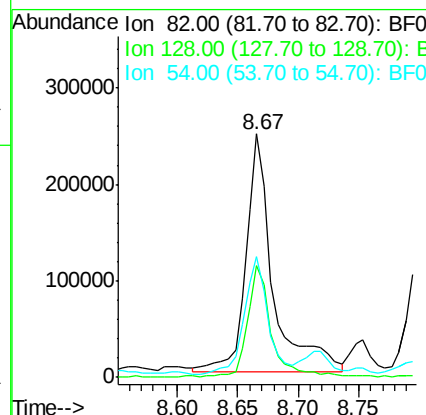
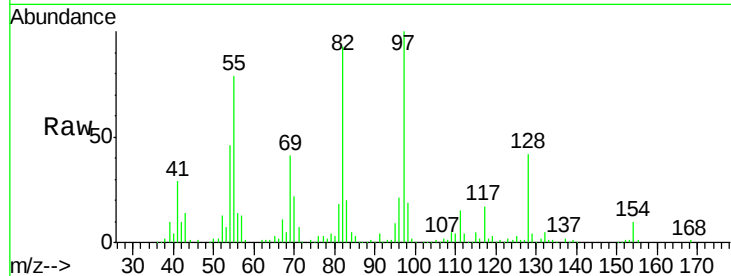
#23
 Nitrobenzene-d5
 Concen: 90.70 ng
 RT: 8.67 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF095301.D
 Acq: 20 May 2017 13:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-T7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	389508		
128	45.8	34.0	51.0	
54	49.5	42.2	63.2	

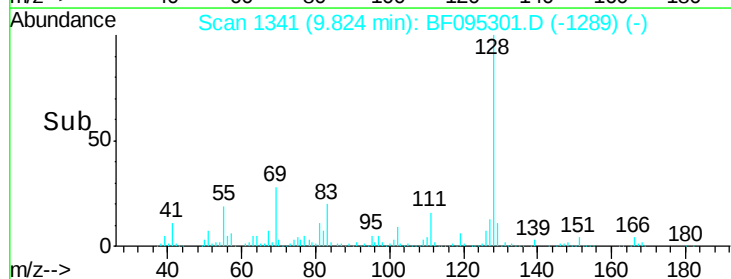
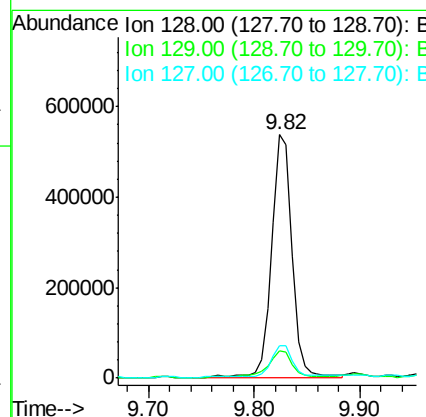
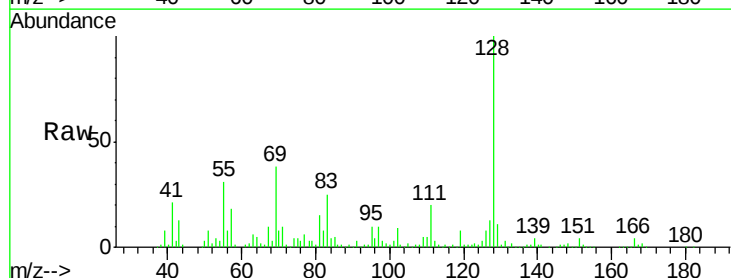
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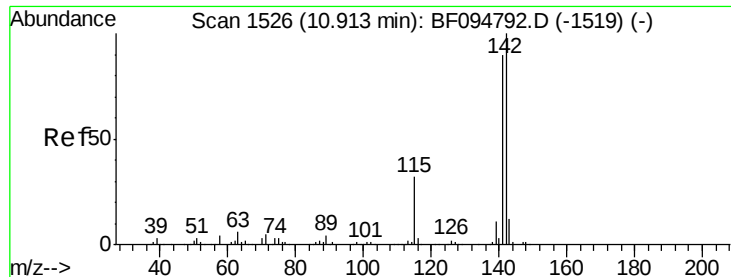
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#31
 Naphthalene
 Concen: 53.30 ng
 RT: 9.82 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: BF095301.D
 Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	725446		
129	11.3	9.0	13.6	
127	13.3	10.8	16.2	





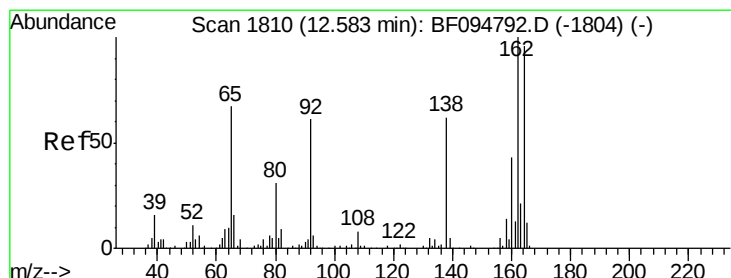
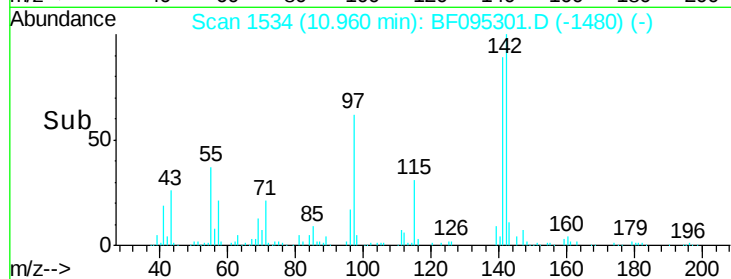
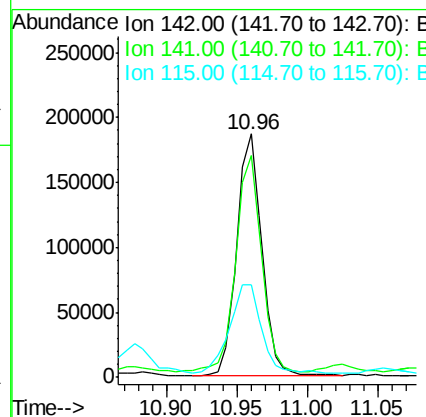
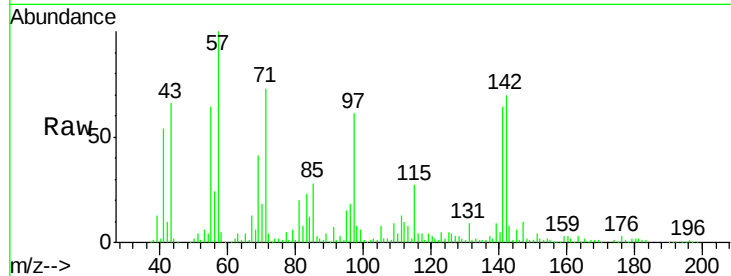
#37
2-Methylnaphthalene
Concen: 25.88 ng
RT: 10.96 min Scan# 1534
Delta R.T. 0.02 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Instrument :
BNA_F
ClientSampled :
E2-T7-BASE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.3	106.9
115	38.2	27.1	40.7

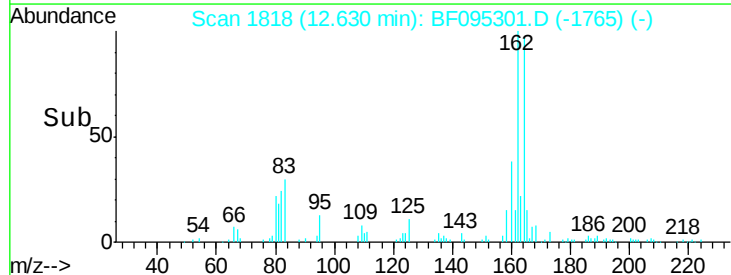
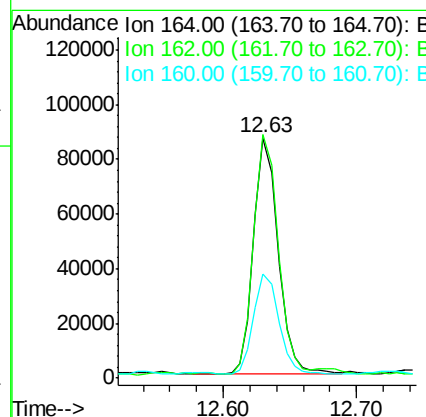
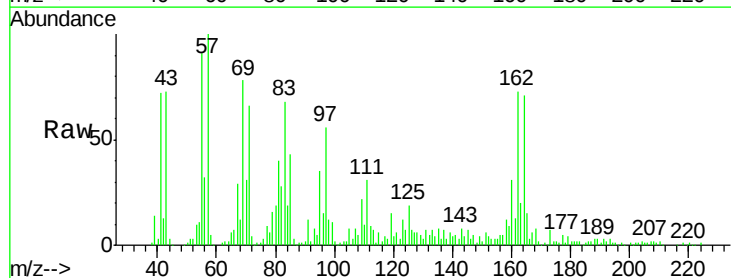
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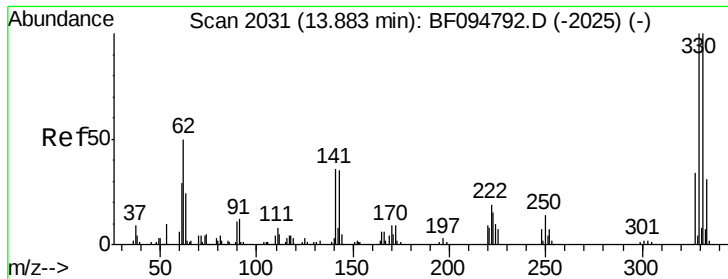
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	43.6	36.2	54.2





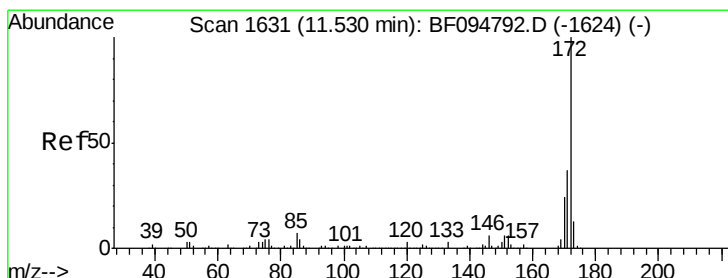
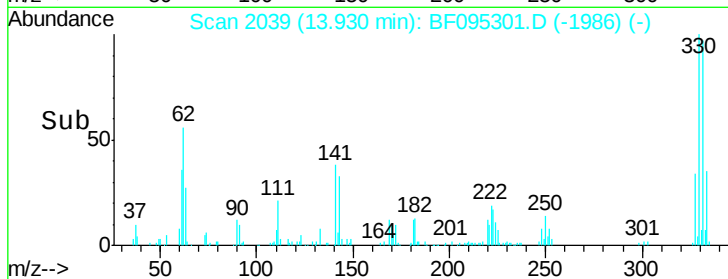
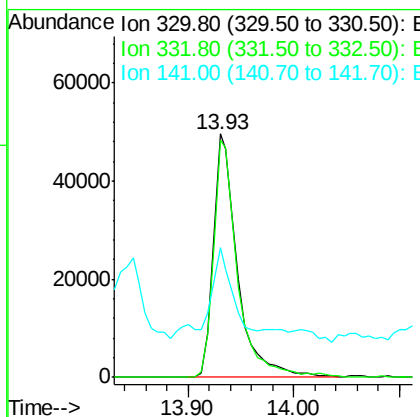
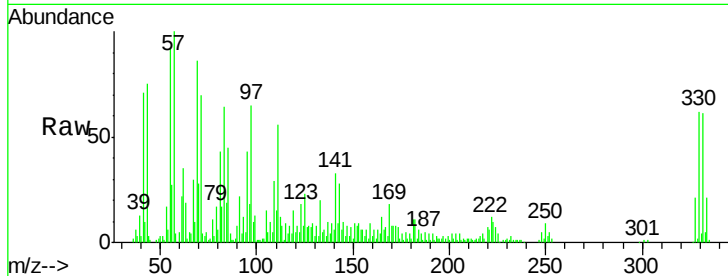
#41
 2,4,6-Tribromophenol
 Concen: 88.98 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF095301.D
 Acq: 20 May 2017 13:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-T7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	79780		
332	97.5	76.6	115.0	
141	35.2	31.4	47.2	

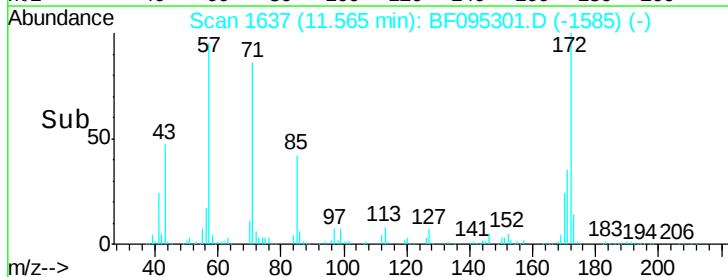
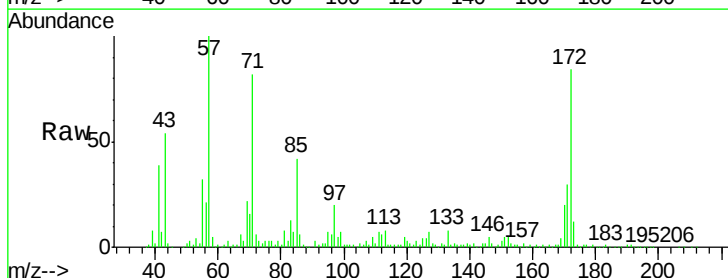
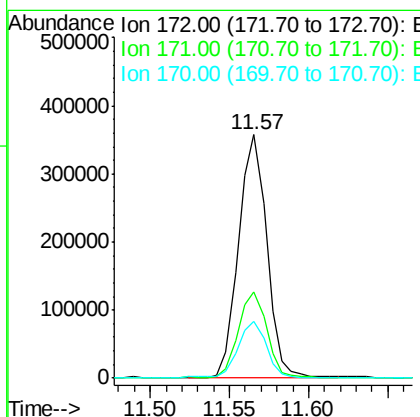
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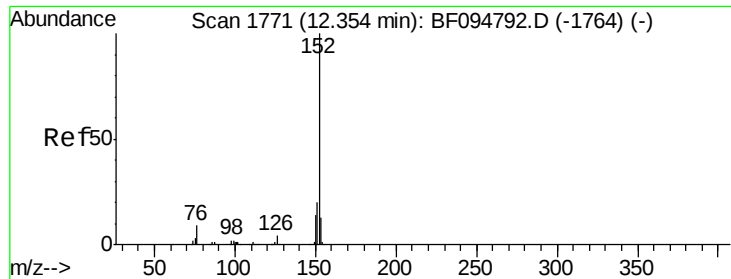
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#44
 2-Fluorobiphenyl
 Concen: 57.90 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: BF095301.D
 Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	440370		
171	35.5	29.6	44.4	
170	23.6	19.8	29.8	





#48

Acenaphthylene

Concen: 9.69 ng

RT: 12.41 min Scan# 1780

Delta R.T. 0.02 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Instrument :

BNA_F

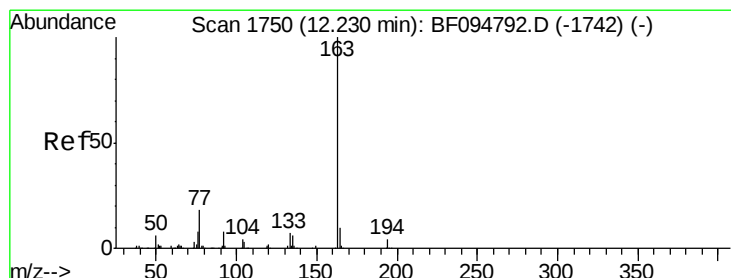
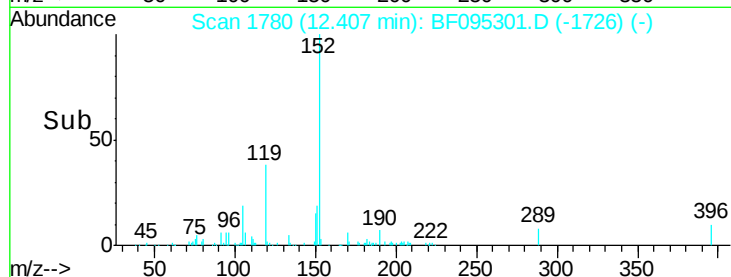
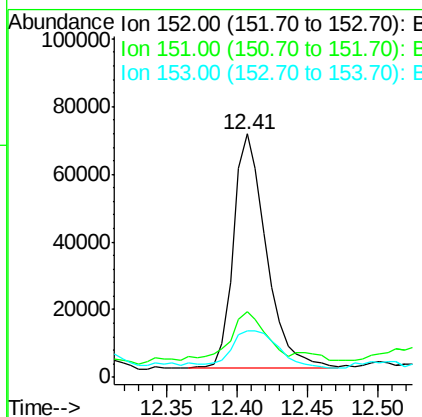
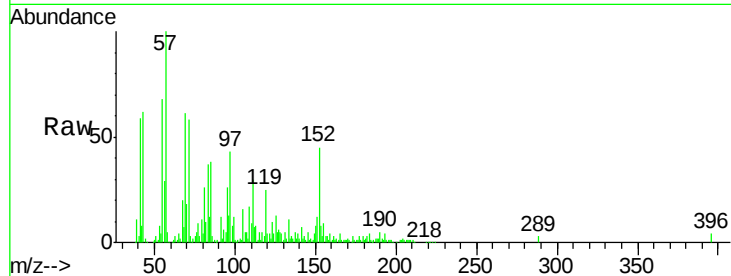
ClientSampleId :

E2-T7-BASE

Tgt Ion:	152	Resp:	112935
Ion Ratio	Lower	Upper	
152	100		
151	26.9	16.8	25.2#
153	19.0	10.8	16.2#

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#49

Dimethylphthalate

Concen: 11.51 ng

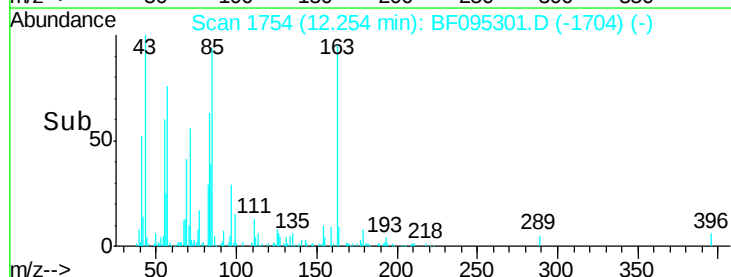
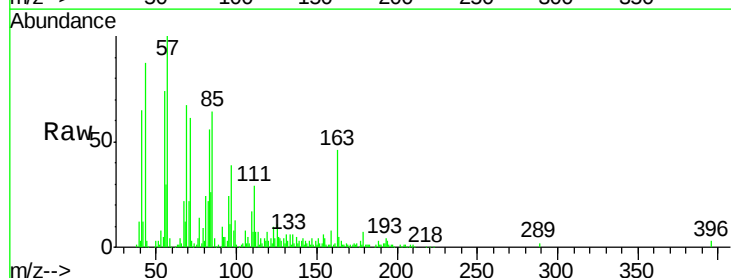
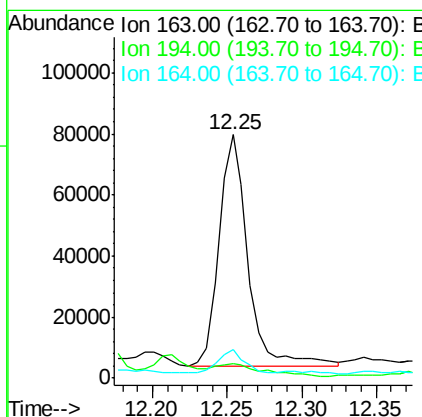
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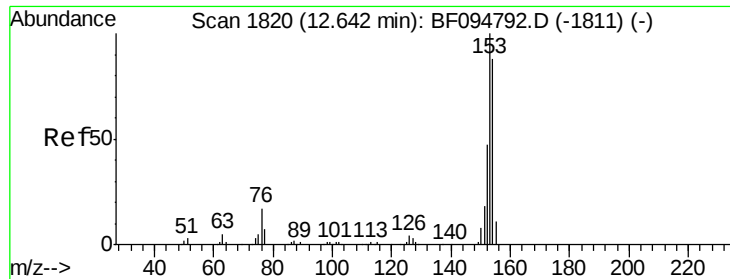
Delta R.T. -0.01 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Tgt Ion:	163	Resp:	103476
Ion Ratio	Lower	Upper	
163	100		
194	6.1	2.6	4.0#
164	11.6	8.4	12.6





#51

Acenaphthene

Concen: 9.85 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Instrument :

BNA_F

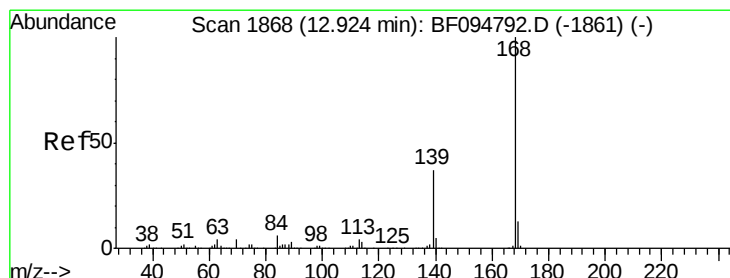
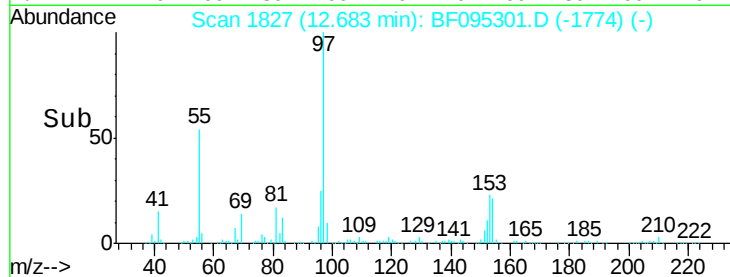
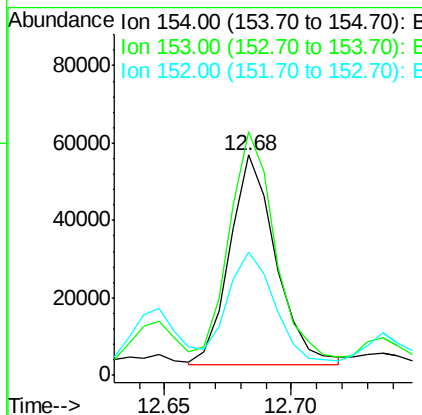
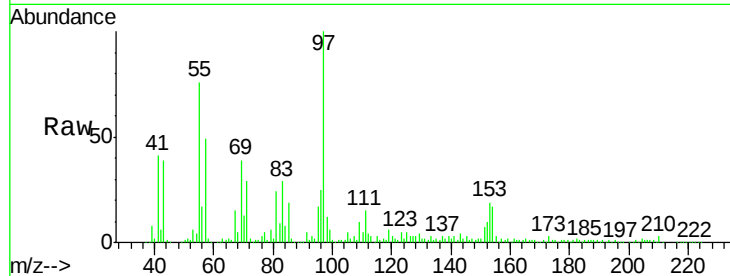
ClientSampleId :

E2-T7-BASE

Tgt Ion:	154	Resp:	68601
Ion Ratio	Lower	Upper	
154	100		
153	110.6	90.5	135.7
152	56.0	43.6	65.4

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#54

Dibenzofuran

Concen: 4.64 ng

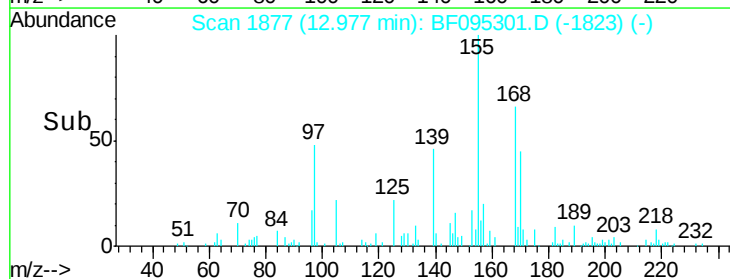
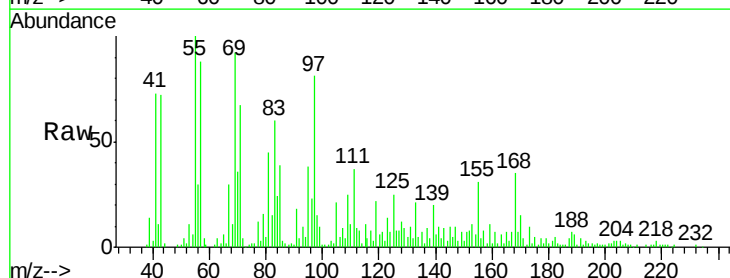
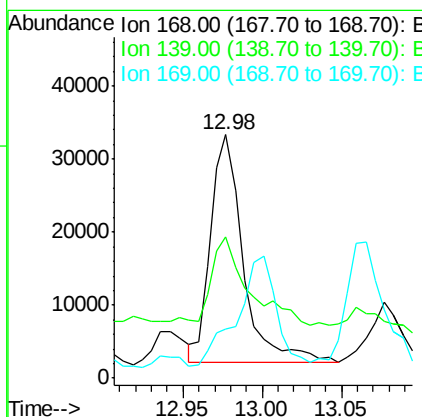
RT: 12.98 min Scan# 1877

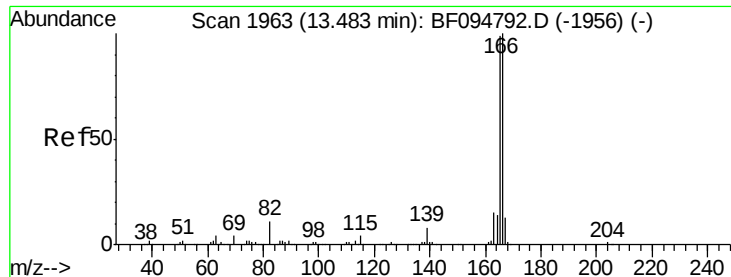
Delta R.T. 0.02 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Tgt Ion:	168	Resp:	44732
Ion Ratio	Lower	Upper	
168	100		
139	57.9	30.6	45.8#
169	20.0	10.8	16.2#





#57

Fluorene

Concen: 13.51 ng

RT: 13.52 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Instrument :

BNA_F

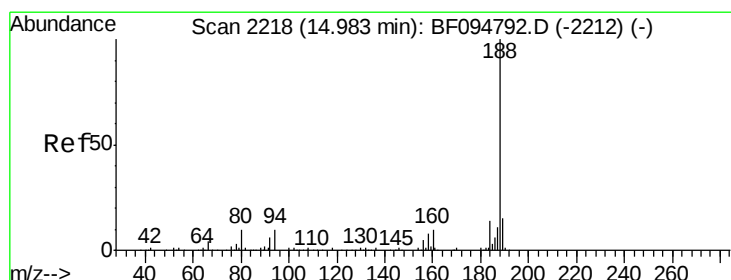
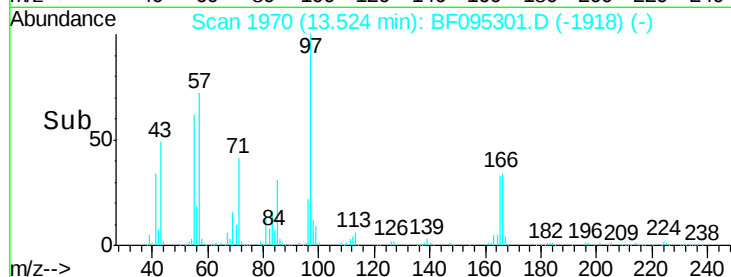
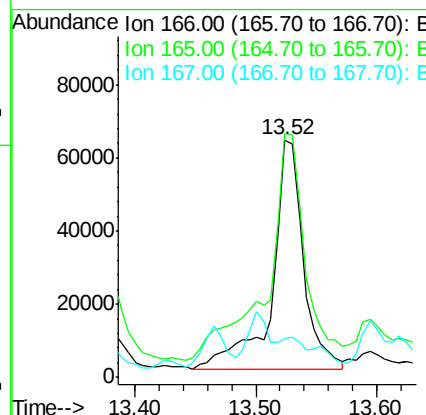
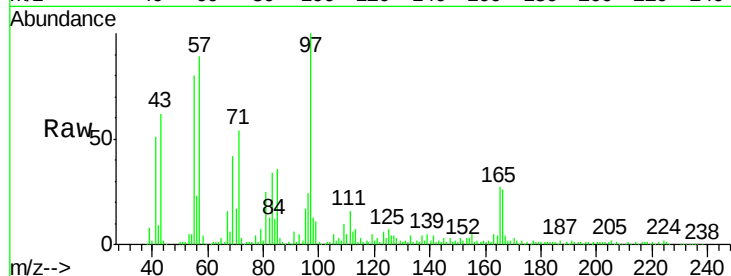
ClientSampleId :

E2-T7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	113197		
165	102.6	78.8	118.2	
167	16.5	10.6	16.0#	

Manual Integrations
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mohammad
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#63

Phenanthrene-d10

Concen: 20.00 ng

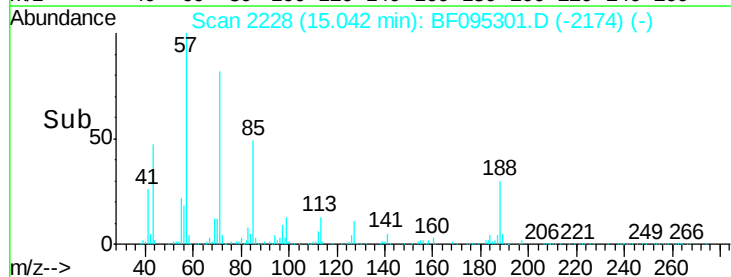
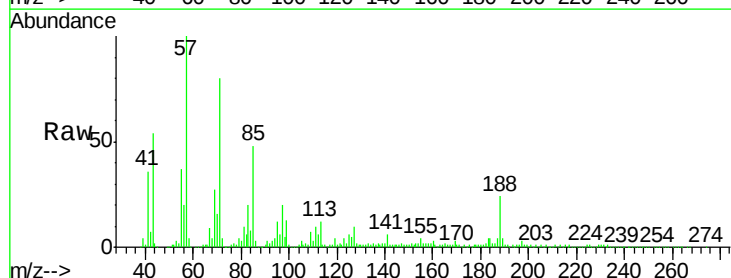
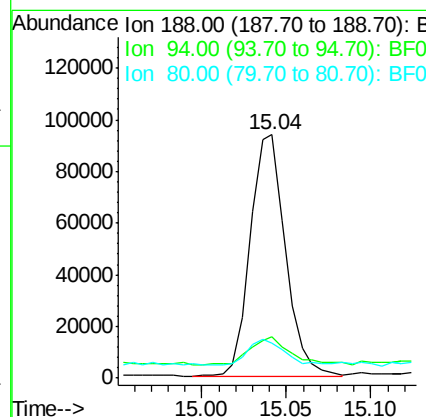
RT: 15.04 min Scan# 2228

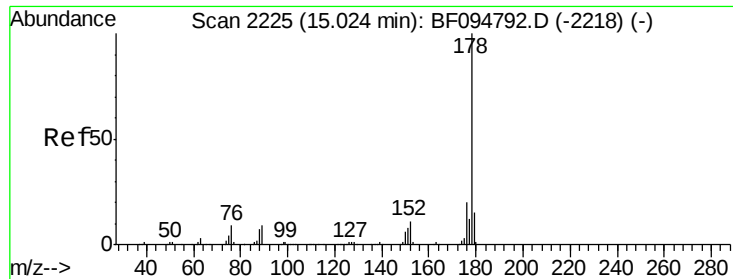
Delta R.T. 0.02 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	135108		
94	16.9	9.4	14.2#	
80	14.2	10.2	15.2	





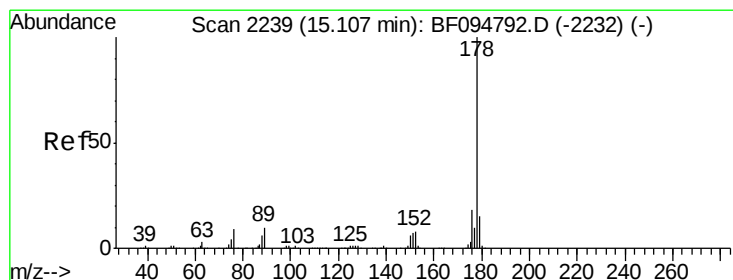
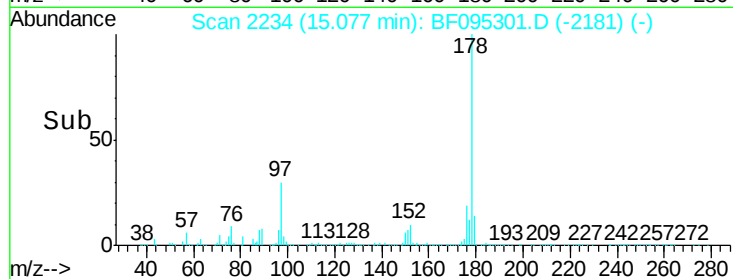
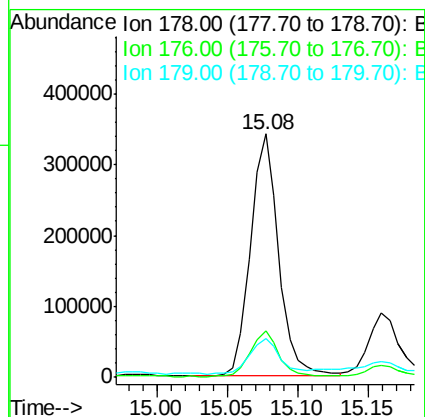
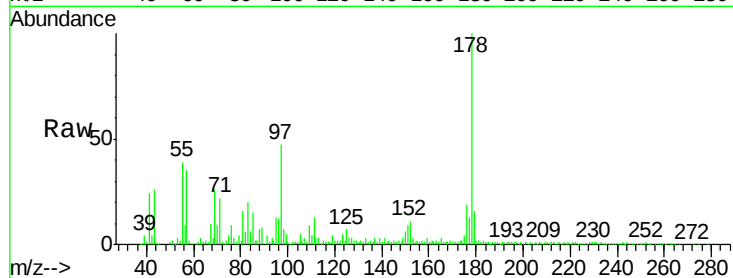
#70
Phenanthrene
Concen: 61.51 ng
RT: 15.08 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Instrument :
BNA_F
ClientSampleId :
E2-T7-BASE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.9	12.6	19.0

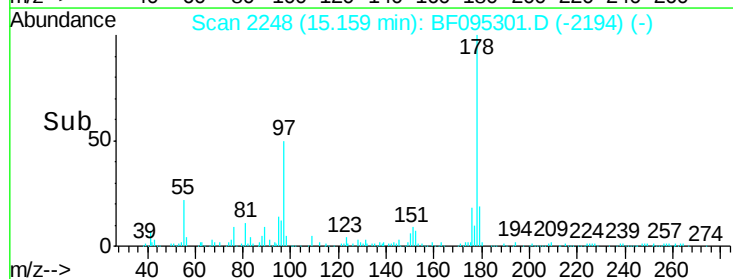
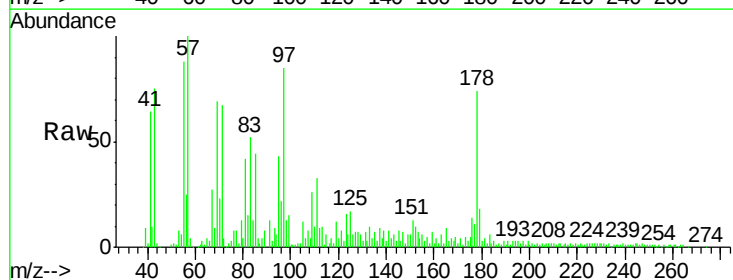
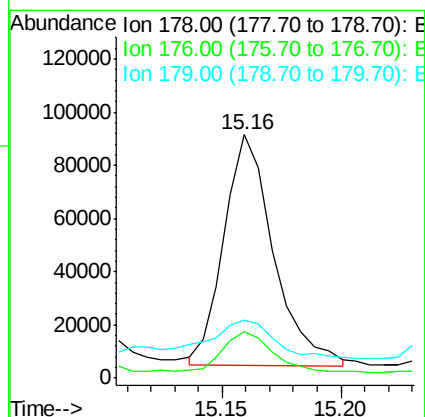
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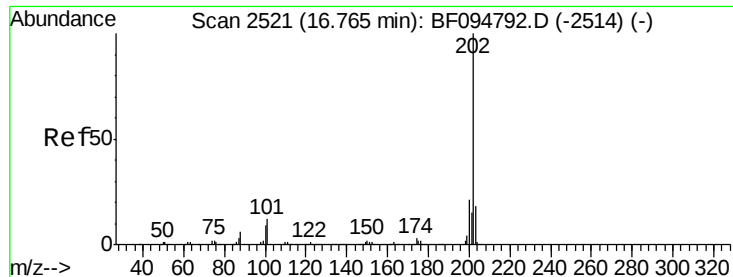
mohammad
5/22/2017 1:30:33 PM



#71
Anthracene
Concen: 15.94 ng m
RT: 15.16 min Scan# 2248
Delta R.T. 0.02 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	23.9	12.7	19.1





#74

Fluoranthene

Concen: 40.54 ng

RT: 16.82 min Scan# 2531

Delta R.T. 0.02 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Instrument :

BNA_F

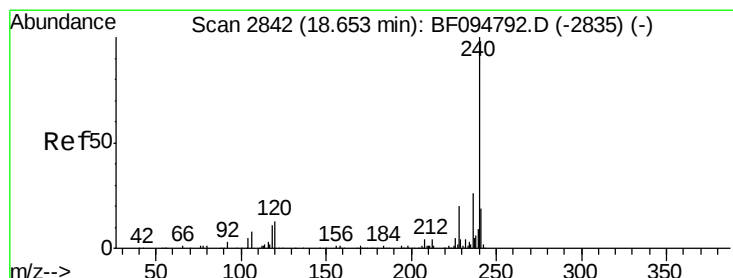
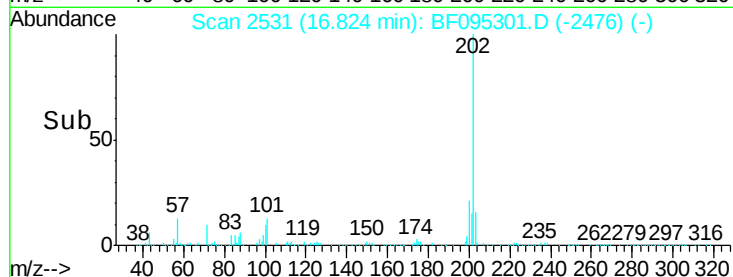
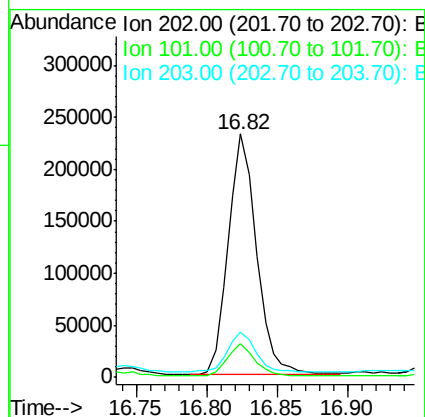
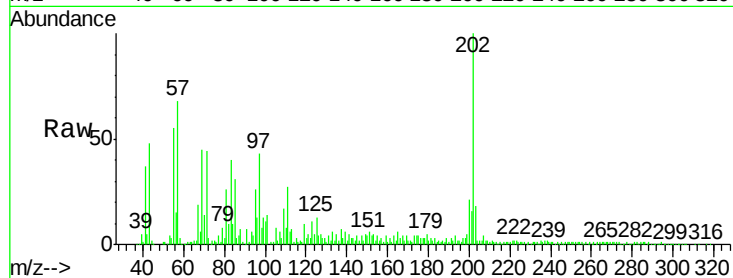
ClientSampleId :

E2-T7-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.8	0.0	33.2
203	18.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

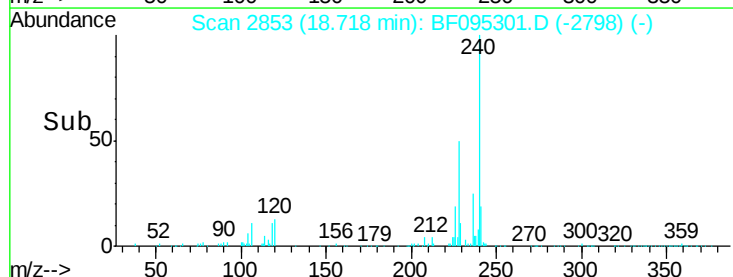
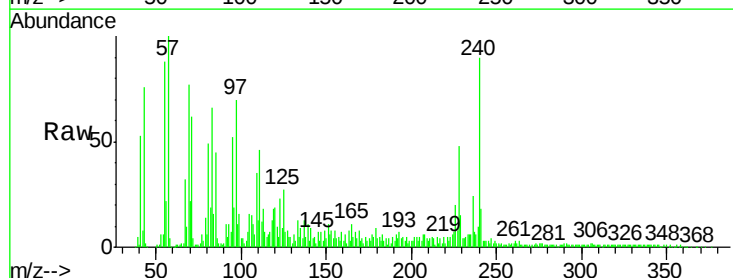
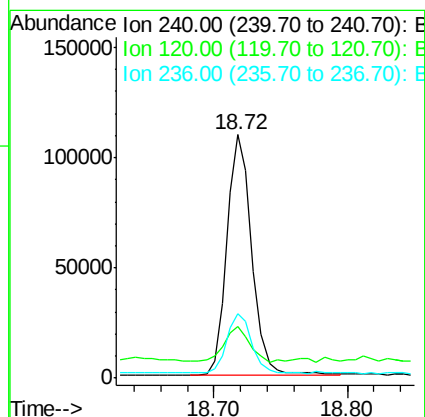
RT: 18.72 min Scan# 2853

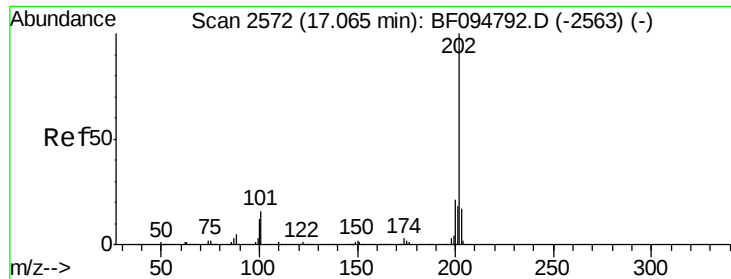
Delta R.T. 0.02 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	21.1	5.8	8.8#
236	26.7	20.5	30.7





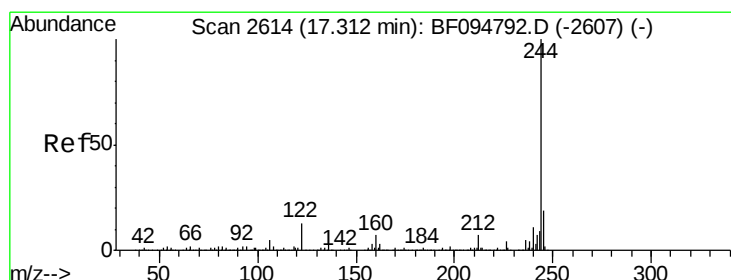
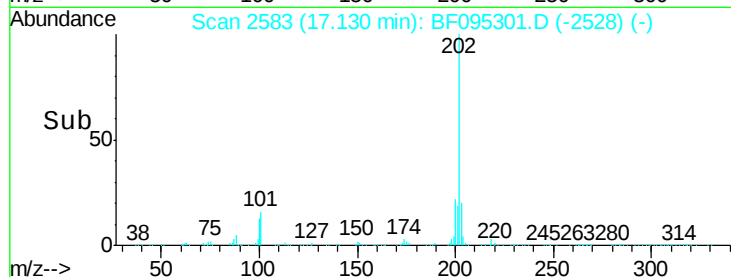
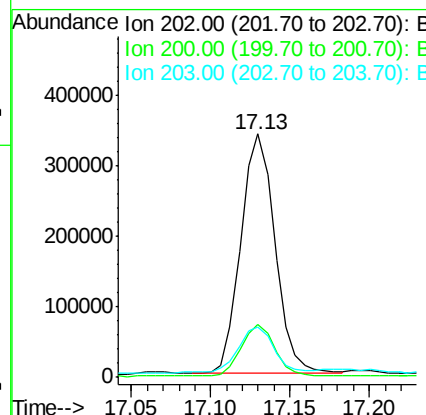
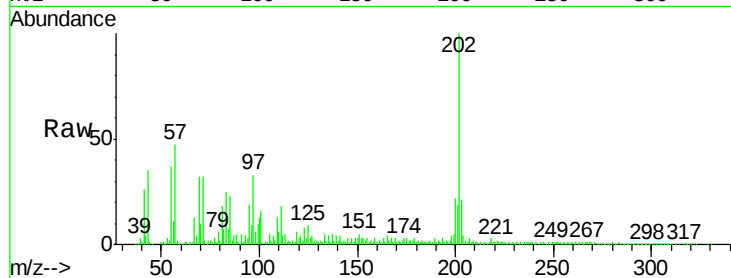
#77
 Pyrene
 Concen: 47.29 ng
 RT: 17.13 min Scan# 2583
 Delta R.T. 0.02 min
 Lab File: BF095301.D
 Acq: 20 May 2017 13:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-T7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	509960		
200	21.6		17.6	26.4
203	20.8		14.4	21.6

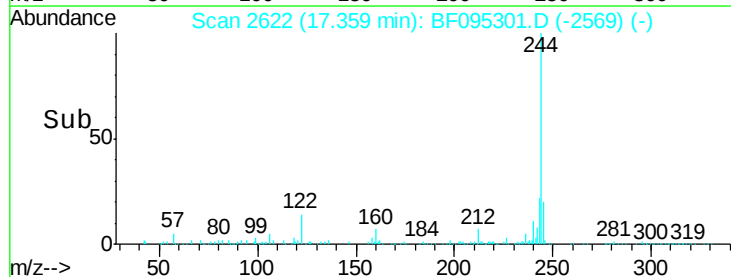
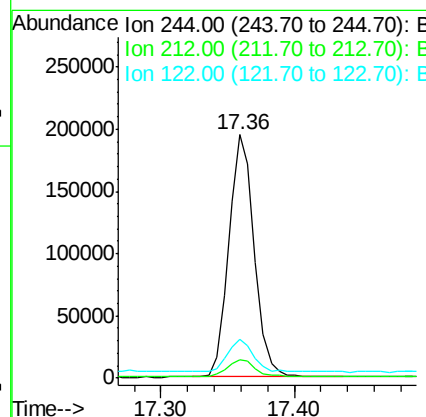
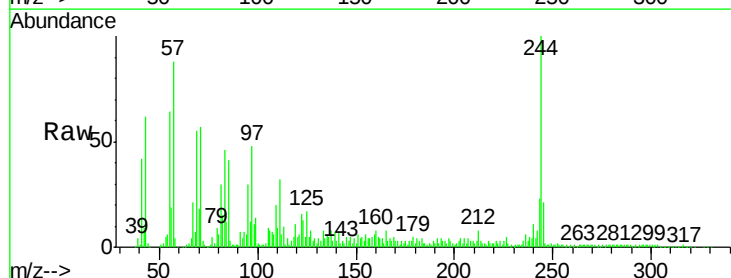
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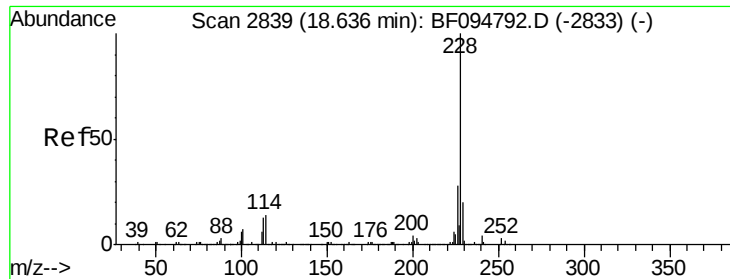
mohammad
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#78
 Terphenyl-d14
 Concen: 39.76 ng
 RT: 17.36 min Scan# 2622
 Delta R.T. 0.01 min
 Lab File: BF095301.D
 Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	260309		
212	7.8		6.0	9.0
122	16.0		10.3	15.5





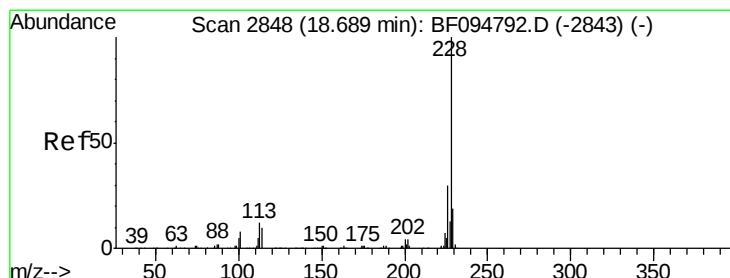
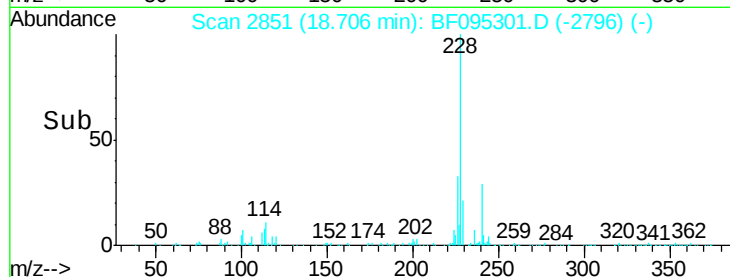
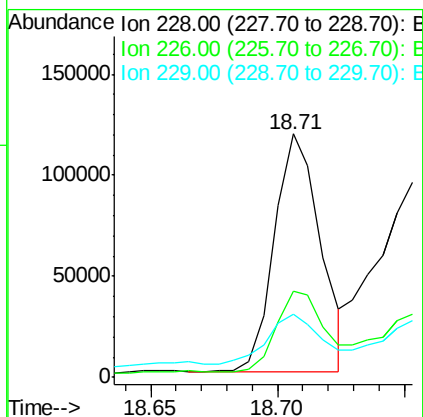
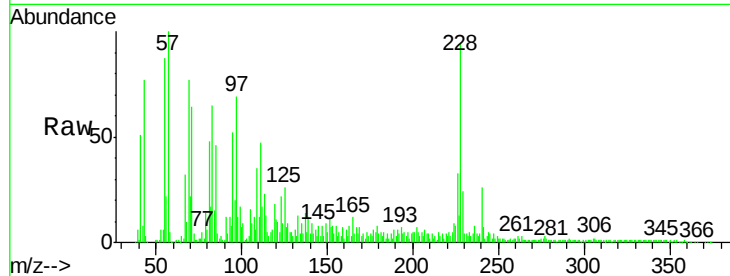
#80
Benzo(a)anthracene
Concen: 17.78 ng
RT: 18.71 min Scan# 2851
Delta R.T. 0.02 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Instrument :
BNA_F
ClientSampleId :
E2-T7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	149238		
226	35.4	22.6	33.8#	
229	25.8	16.3	24.5#	

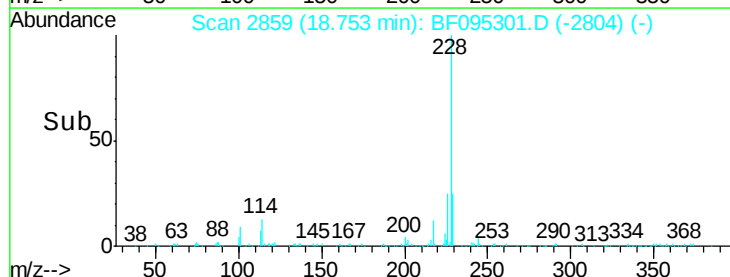
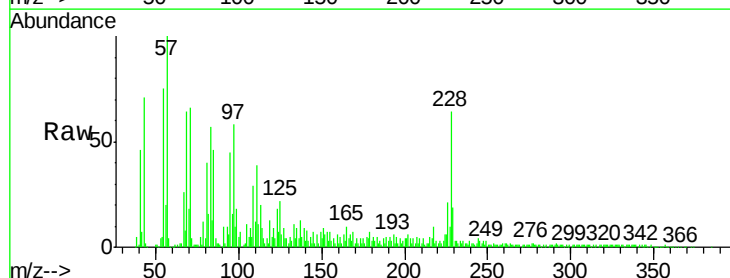
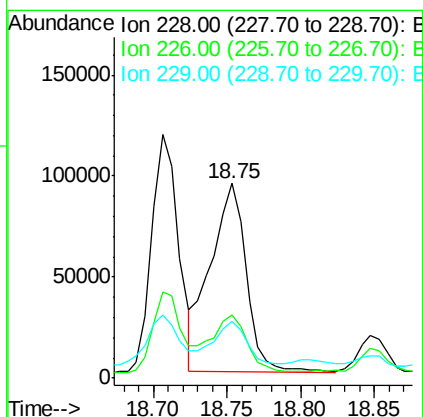
Manual Integrations
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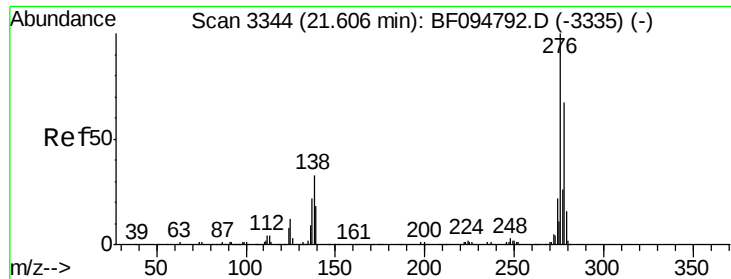
mohammad
5/22/2017 1:30:33 PM



#82
Chrysene
Concen: 19.62 ng m
RT: 18.75 min Scan# 2859
Delta R.T. 0.02 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	159215		
226	32.2	24.9	37.3	
229	29.0	15.8	23.6#	





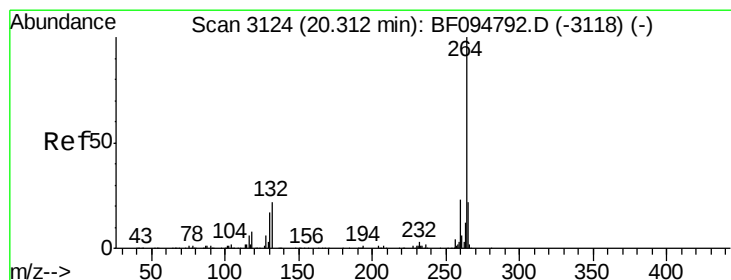
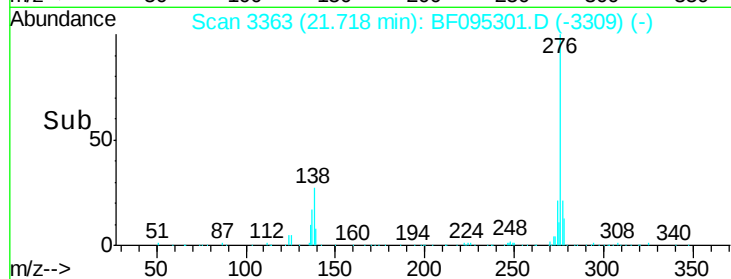
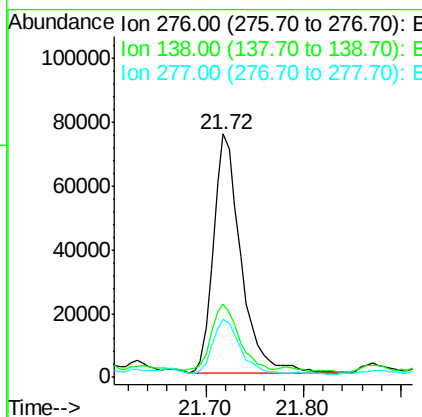
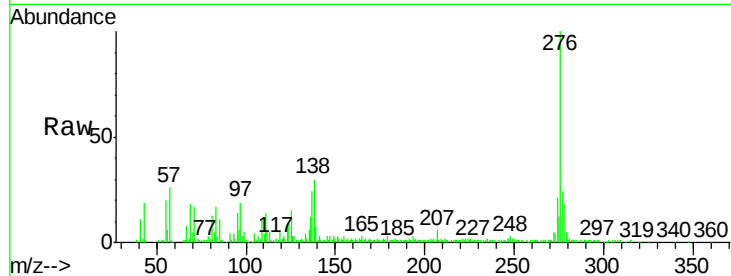
#85
Indeno(1,2,3-cd)pyrene
Concen: 22.47 ng
RT: 21.72 min Scan# 3363
Delta R.T. 0.02 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Instrument :
BNA_F
ClientSampleId :
E2-T7-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	148105		
138	28.4	27.8	41.6	
277	21.5	20.2	30.4	

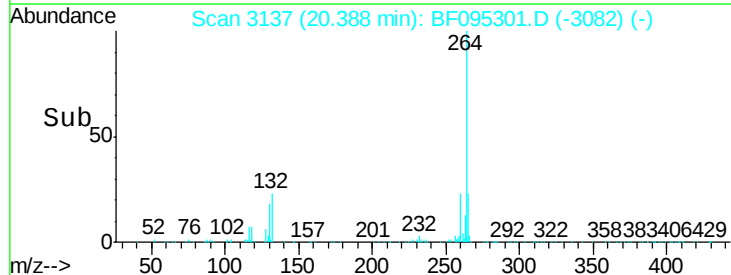
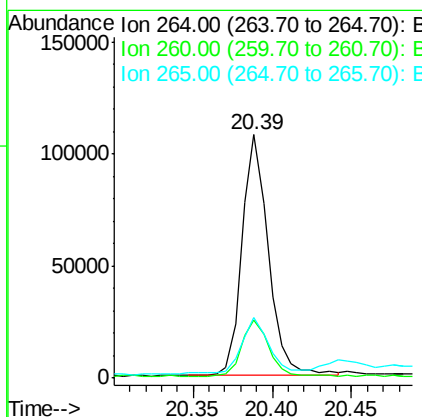
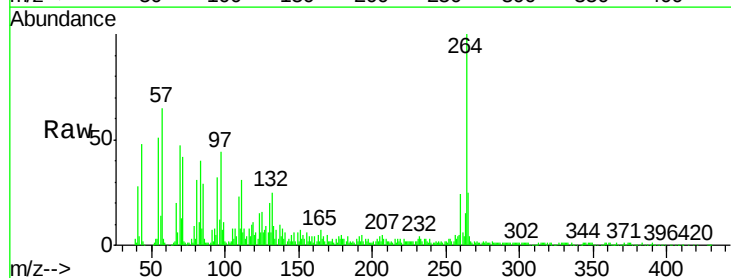
Manual Integrations
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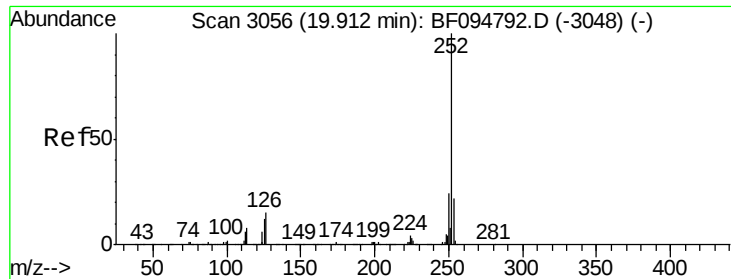
mohammad
5/22/2017 1:30:33 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.39 min Scan# 3137
Delta R.T. 0.02 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	124219		
260	24.1	19.5	29.3	
265	24.9	17.2	25.8	





#87

Benzo(b)fluoranthene

Concen: 28.73 ng m

RT: 19.98 min Scan# 3068

Delta R.T. 0.02 min

Lab File: BF095301.D

Acq: 20 May 2017 13:06

Instrument :

BNA_F

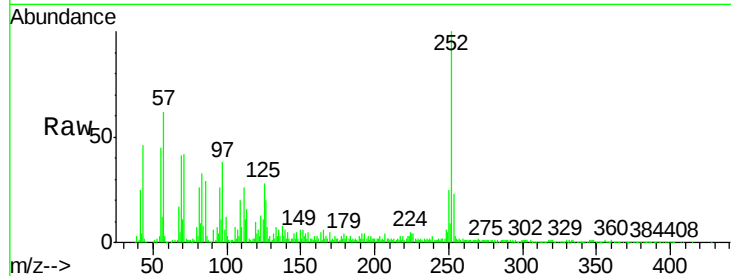
ClientSampleId :

E2-T7-BASE

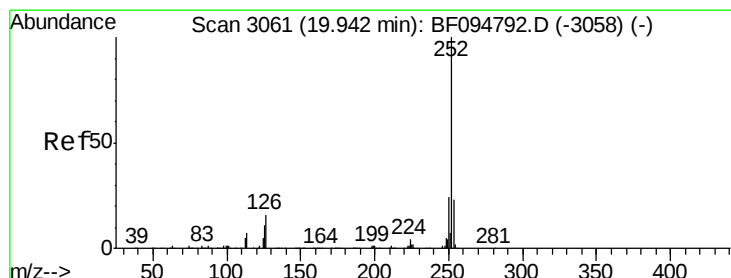
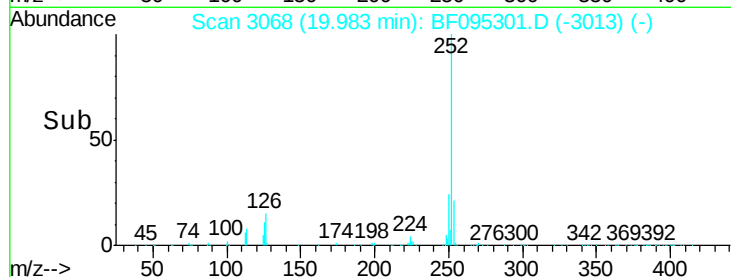
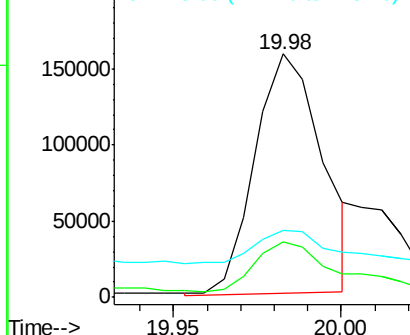
Tgt Ion:	252	Resp:	220542
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	27.6	9.8	14.8#

Manual Integrations
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5/22/2017 1:30:33 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 8.82 ng m

RT: 20.00 min Scan# 3071

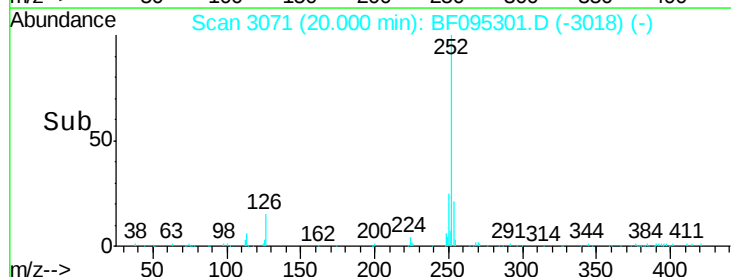
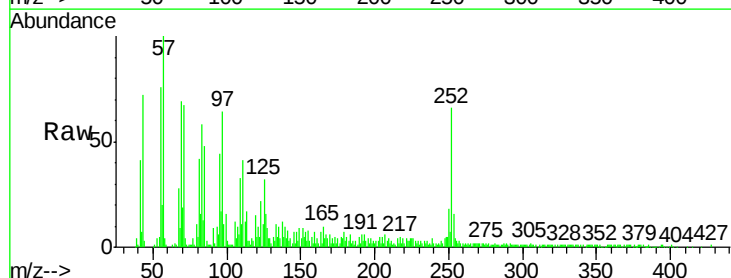
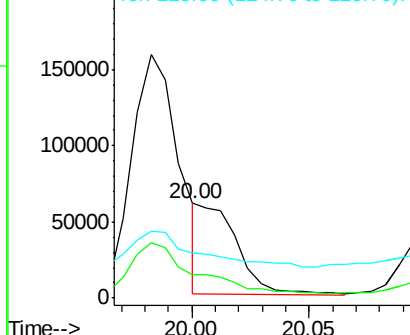
Delta R.T. 0.01 min

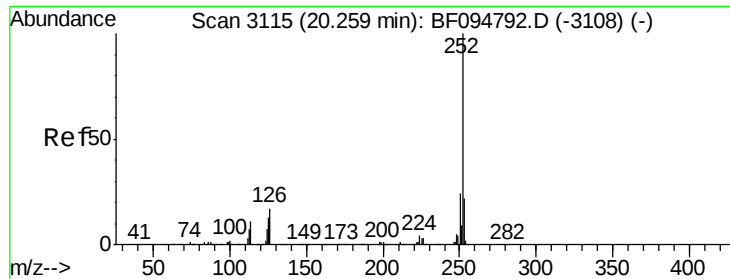
Lab File: BF095301.D

Acq: 20 May 2017 13:06

Tgt Ion:	252	Resp:	65293
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.4	27.6
125	47.9	13.1	19.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





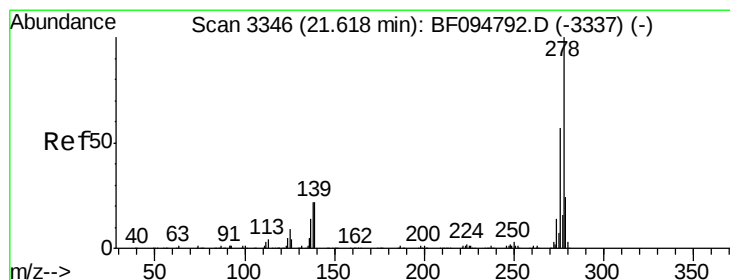
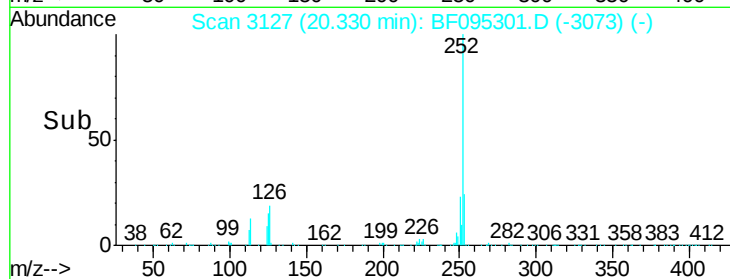
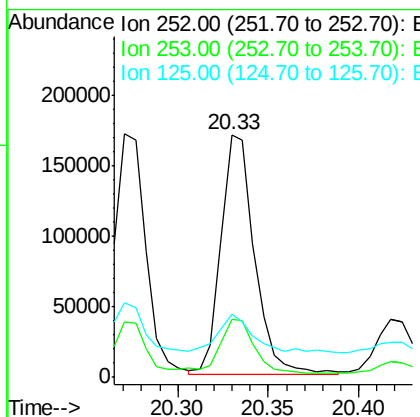
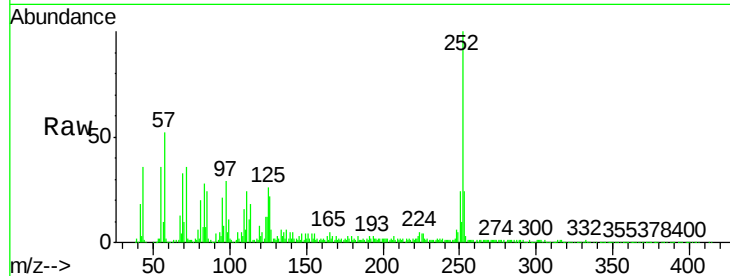
#89
Benzo(a)pyrene
Concen: 30.80 ng
RT: 20.33 min Scan# 3127
Delta R.T. 0.02 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Instrument :
BNA_F
ClientSampleId :
E2-T7-BASE

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.2	17.5	26.3
125	26.0	11.0	16.4

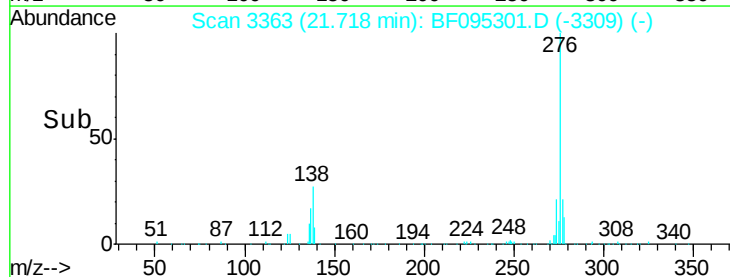
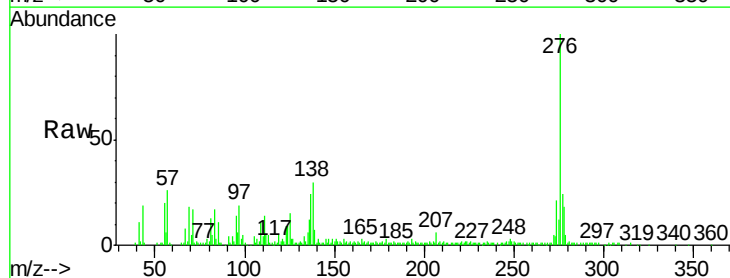
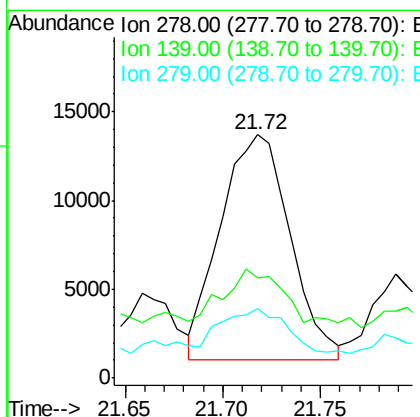
Manual Integrations
APPROVED

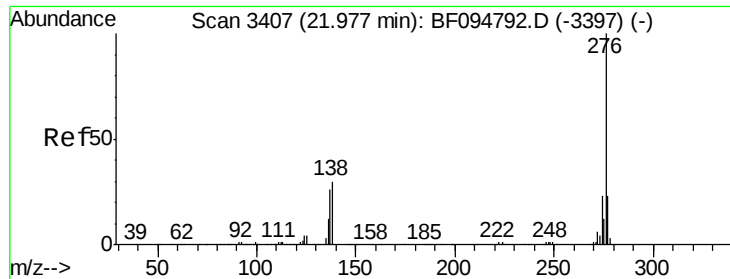
mohammad
5/22/2017 1:30:33 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.36 ng
RT: 21.72 min Scan# 3363
Delta R.T. 0.02 min
Lab File: BF095301.D
Acq: 20 May 2017 13:06

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	41.1	16.6	24.8
279	28.7	19.3	28.9





#91
 Benzo(g,h,i)perylene
 Concen: 37.97 ng
 RT: 22.11 min Scan# 3429
 Delta R.T. 0.02 min
 Lab File: BF095301.D
 Acq: 20 May 2017 13:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-T7-BASE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	30.4	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 5/22/2017 1:30:33 PM

