

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095541.D
 Acq On : 30 May 2017 18:16
 Operator : SJ/MA
 Sample : I3281-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP14-SS6

Manual Integrations
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 5/31/2017 5:02:38 PM

Quant Time: May 31 13:38:00 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	97327	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	383080	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	155609	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	228932	20.00	ng	0.00
75) Chrysene-d12	18.67	240	209715	20.00	ng	0.00
86) Perylene-d12	20.35	264	157531	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	723600	123.95	ng	0.00
7) Phenol-d6	7.28	99	872705	124.59	ng	-0.01
23) Nitrobenzene-d5	8.64	82	499443	82.21	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	133069	104.42	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	895177	82.80	ng	0.00
78) Terphenyl-d14	17.31	244	522461	54.87	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	9.80	128	42191	2.19	ng	100
37) 2-Methylnaphthalene	10.94	142	29732	2.35	ng	95
49) Dimethylphthalate	12.23	163	198361	15.53	ng	99
51) Acenaphthene	12.64	154	29566	2.99	ng	99
54) Dibenzofuran	12.95	168	30400	2.22	ng	95
57) Fluorene	13.49	166	32723	2.75	ng	95
70) Phenanthrene	15.03	178	466538	35.47	ng	97
71) Anthracene	15.12	178	118579	8.83	ng	96
72) Carbazole	15.42	167	34598	2.83	ng	97
74) Fluoranthene	16.78	202	647990	48.02	ng	98
77) Pyrene	17.08	202	570879	36.40	ng	99
80) Benzo(a)anthracene	18.66	228	284920	23.34	ng	96
82) Chrysene	18.71	228	280136m	23.74	ng	
85) Indeno(1,2,3-cd)pyrene	21.69	276	95236m	9.94	ng	
87) Benzo(b)fluoranthene	19.95	252	297276m	30.54	ng	
88) Benzo(k)fluoranthene	19.97	252	70273m	7.48	ng	
89) Benzo(a)pyrene	20.30	252	195469	21.76	ng	95
90) Dibenzo(a,h)anthracene	21.69	278	22903	3.09	ng	# 79
91) Benzo(g,h,i)perylene	22.08	276	91282	12.54	ng	95

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

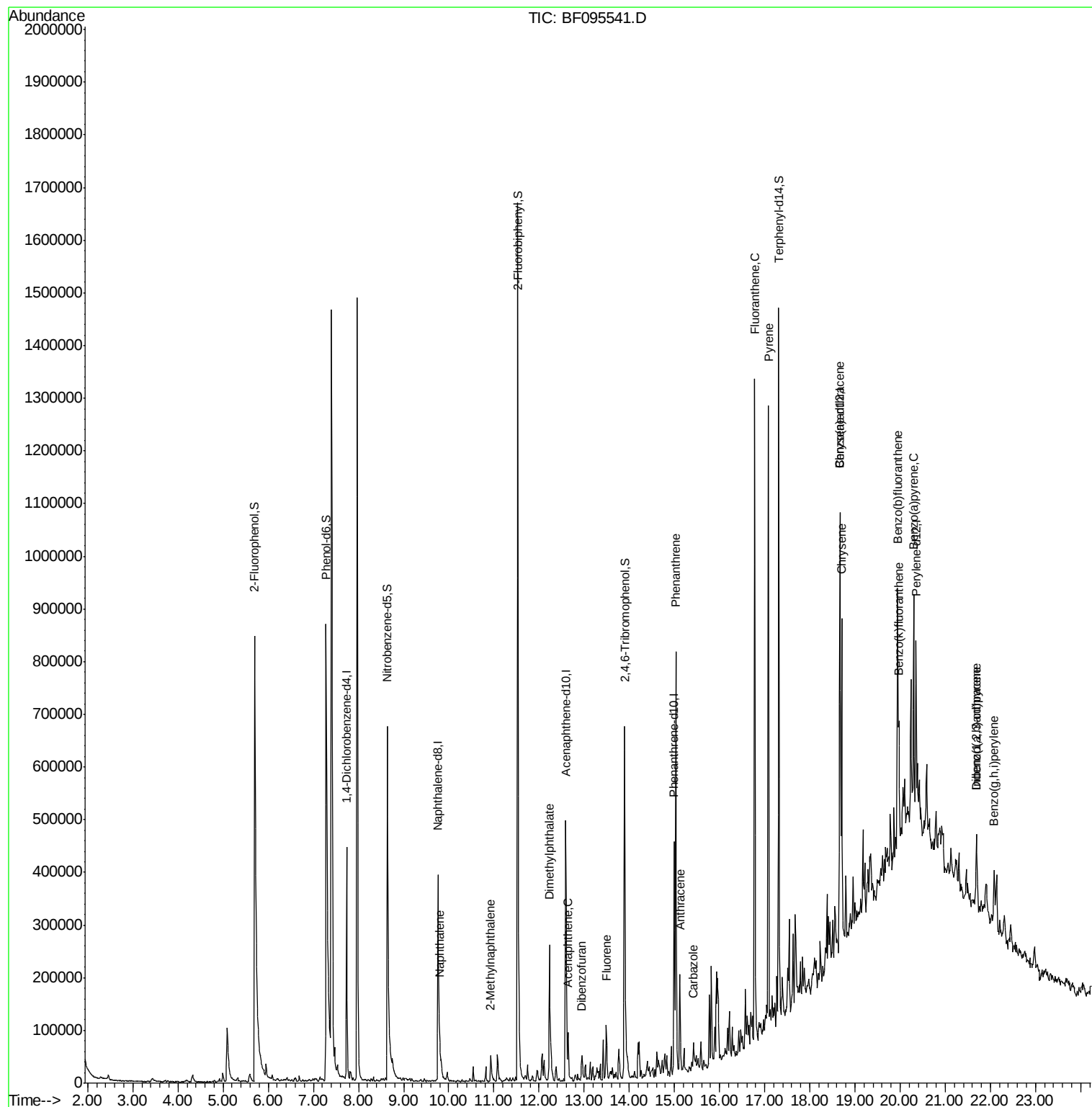
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
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ALS Vial : 12 Sample Multiplier: 1

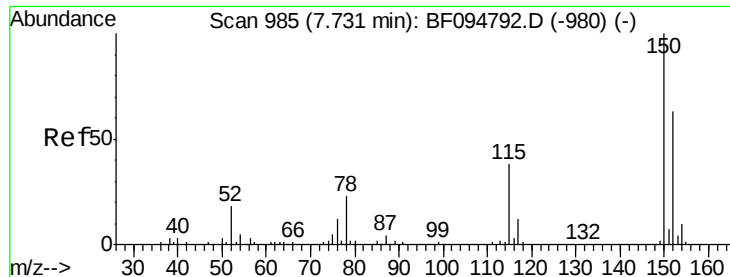
Instrument :
BNA_F
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R1-TP14-SS6

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Quant Time: May 31 13:38:00 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

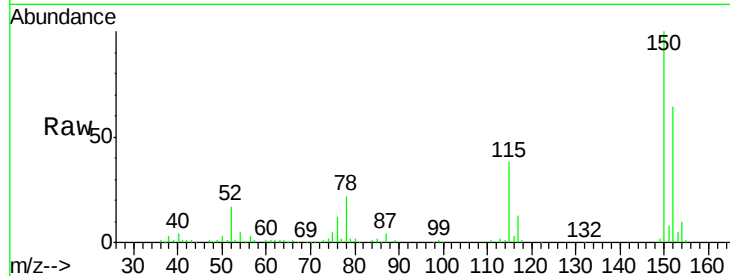
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Instrument :
BNA_F
ClientSampleId :
R1-TP14-SS6

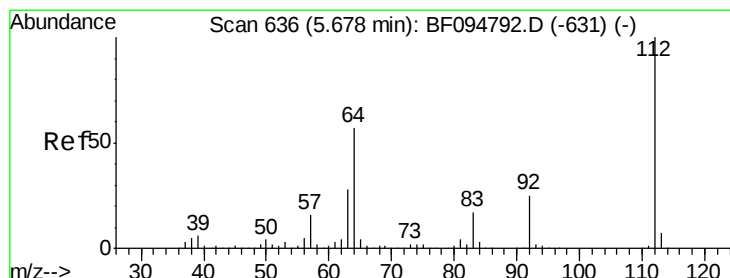
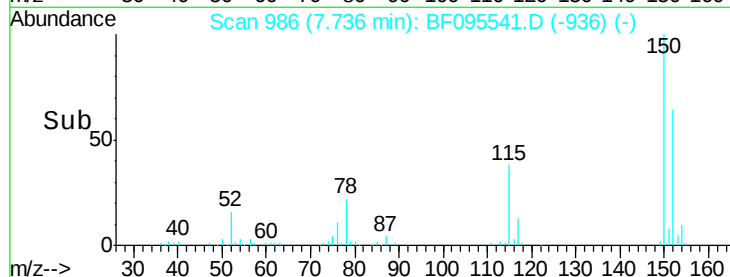
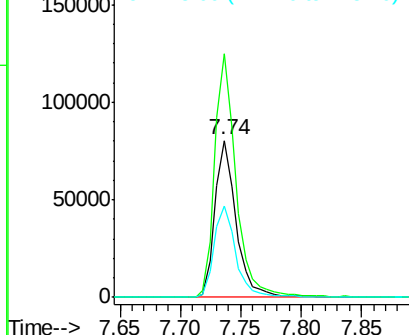
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.2
115	58.2	52.2	78.2

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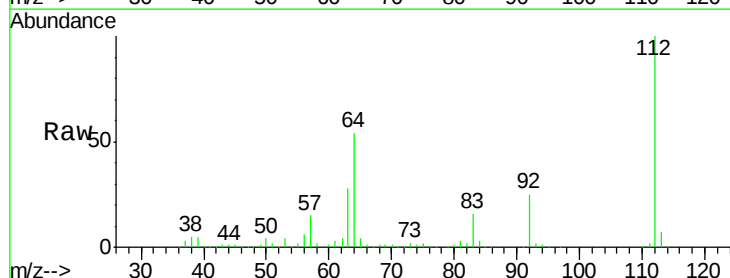
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



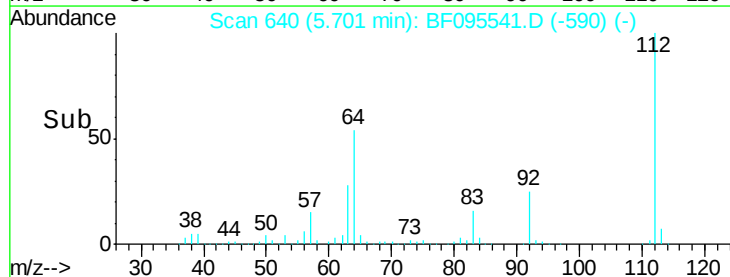
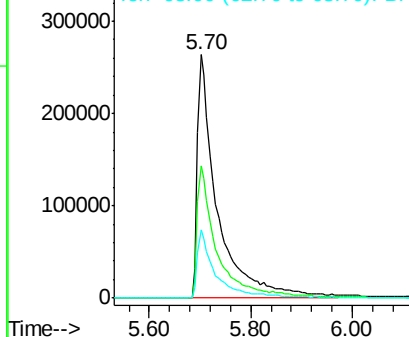
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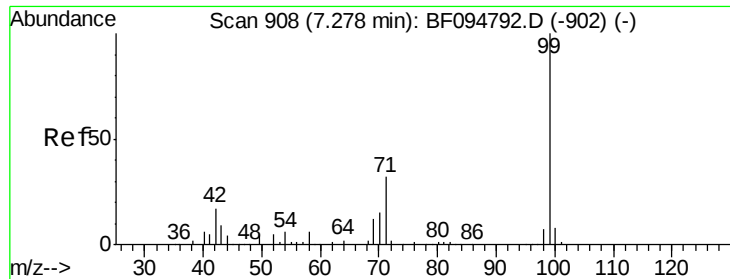
2-Fluorophenol
Concen: 123.95 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	28.1	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.59 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095541.D

Acq: 30 May 2017 18:16

Instrument :

BNA_F

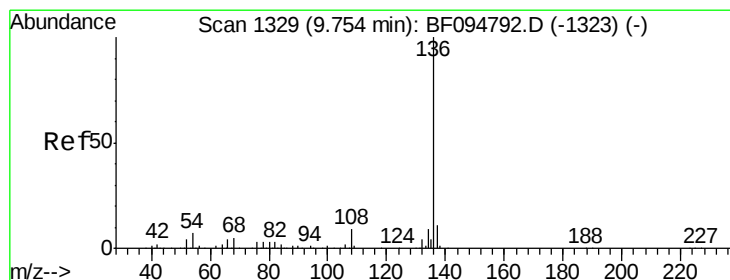
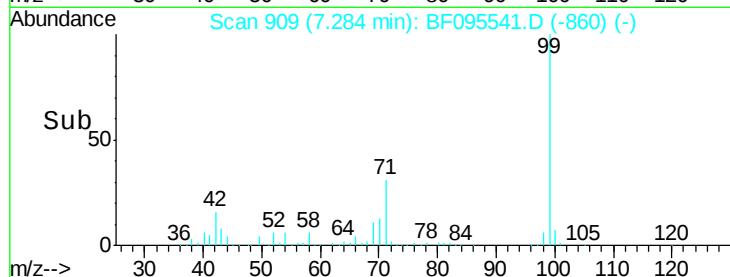
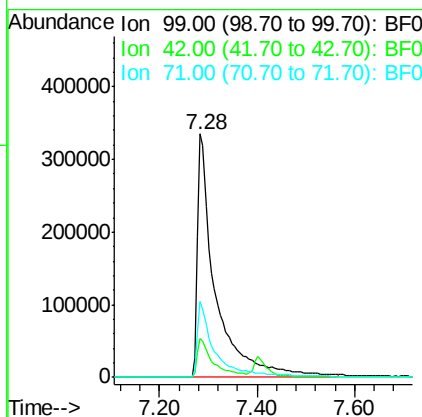
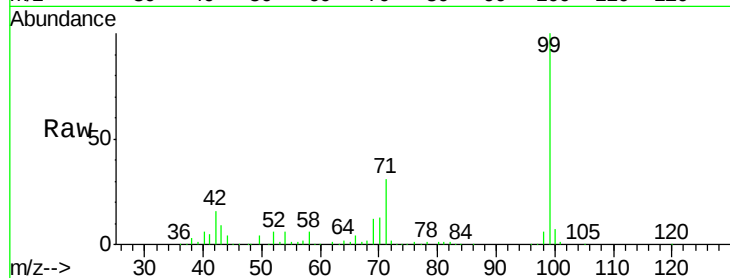
ClientSampleId :

R1-TP14-SS6

Tgt Ion:	99	Resp:	872705
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.5	20.3
71	31.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

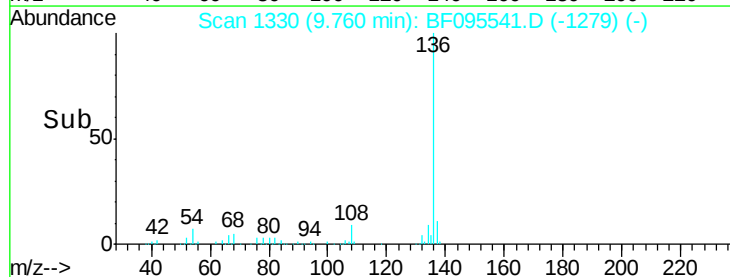
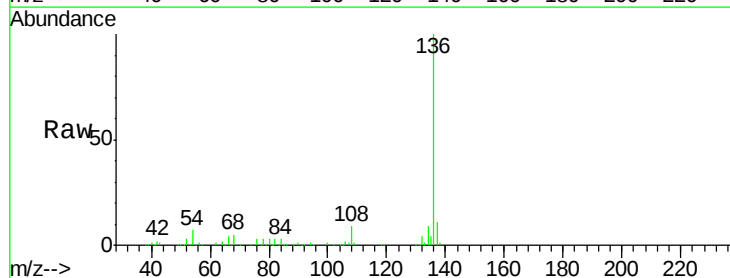
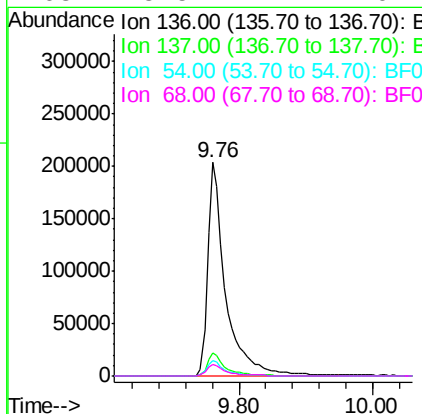
RT: 9.76 min Scan# 1330

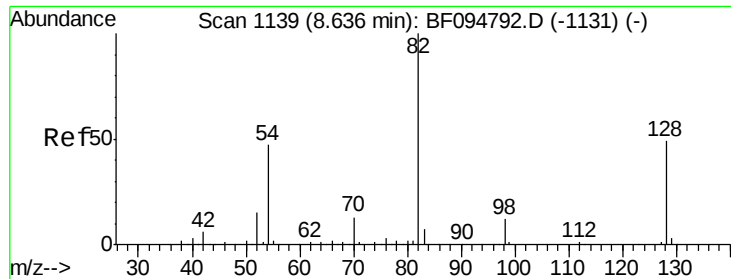
Delta R.T. -0.00 min

Lab File: BF095541.D

Acq: 30 May 2017 18:16

Tgt Ion:	136	Resp:	383080
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	7.0	4.9	7.3
68	5.5	4.1	6.1





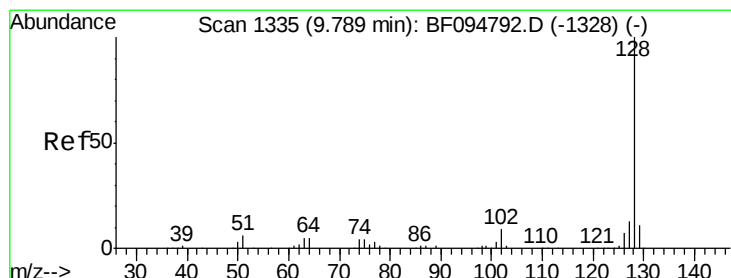
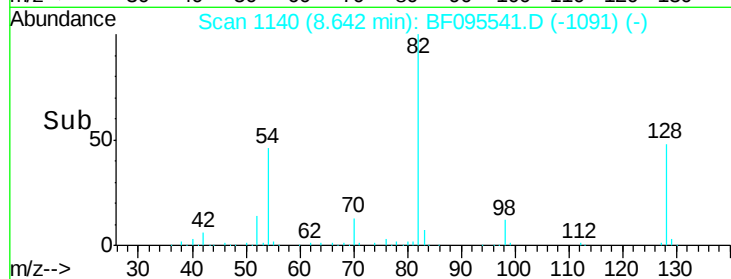
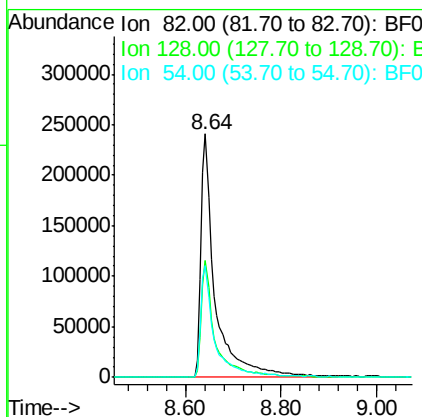
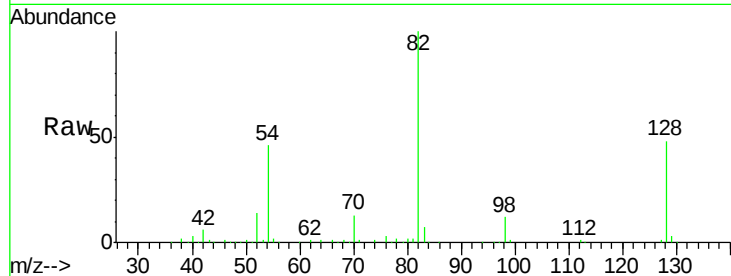
#23
 Nitrobenzene-d5
 Concen: 82.21 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP14-SS6

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	499443		
128	47.8	34.0	51.0	
54	46.1	42.2	63.2	

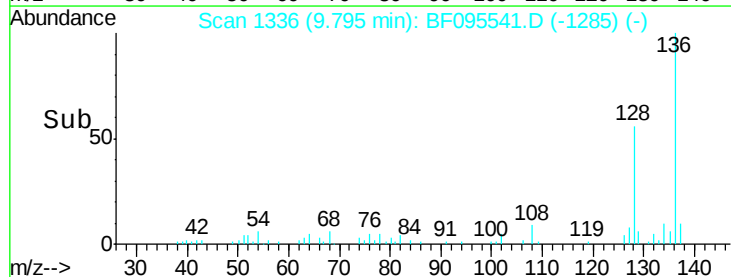
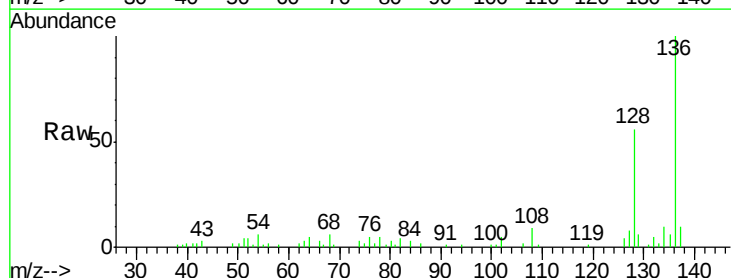
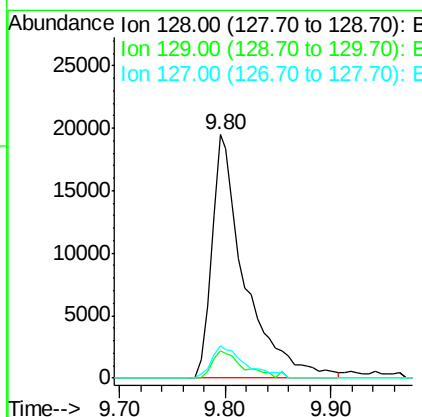
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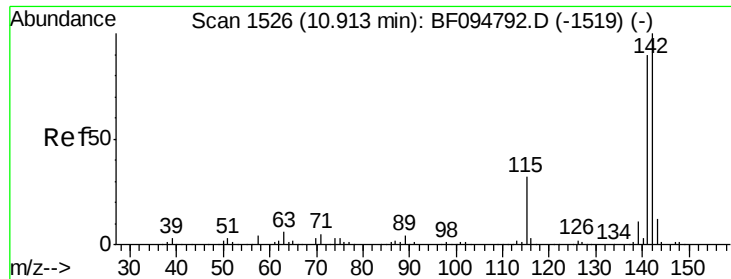
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#31
 Naphthalene
 Concen: 2.19 ng
 RT: 9.80 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	42191		
129	11.0	9.0	13.6	
127	13.4	10.8	16.2	





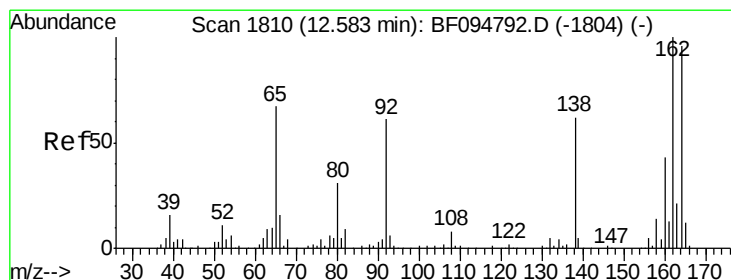
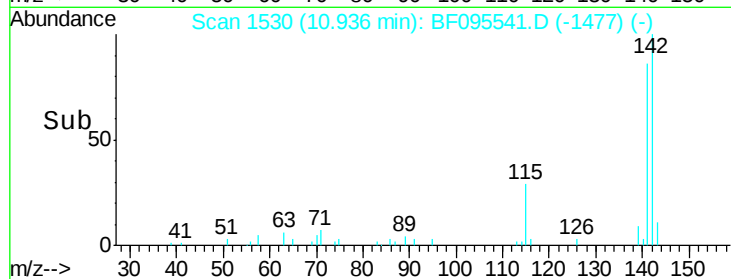
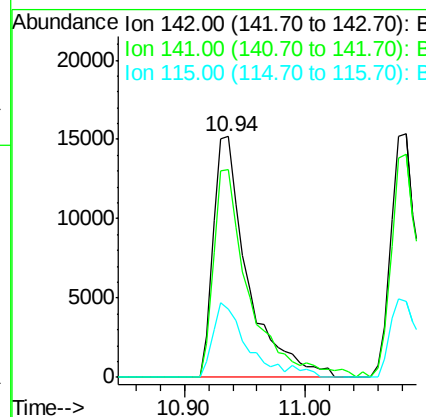
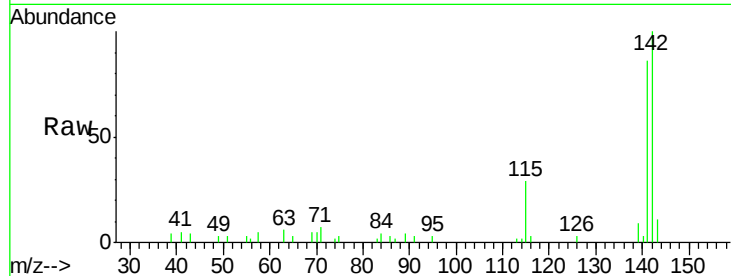
#37
2-Methylnaphthalene
Concen: 2.35 ng
RT: 10.94 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Instrument :
BNA_F
ClientSampleId :
R1-TP14-SS6

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	71.3	106.9
115	28.6	27.1	40.7

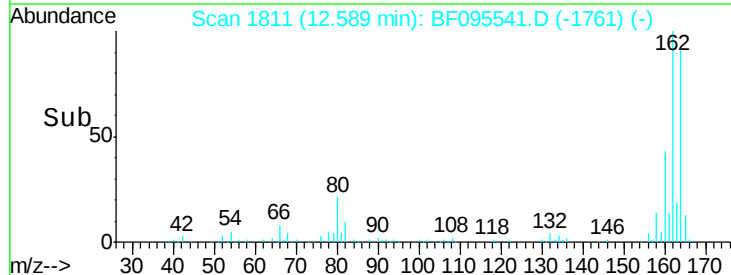
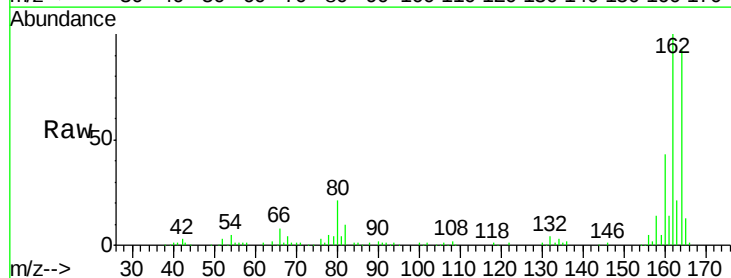
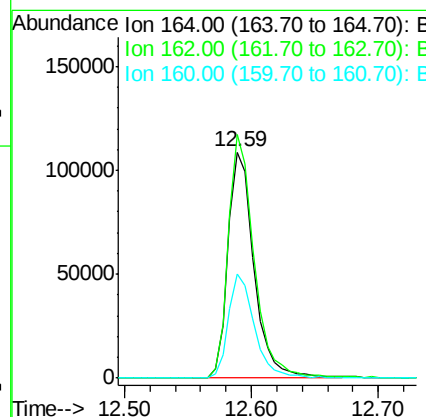
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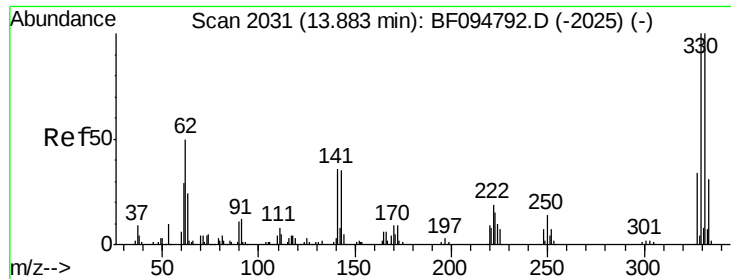
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	82.6	123.8
160	46.0	36.2	54.2





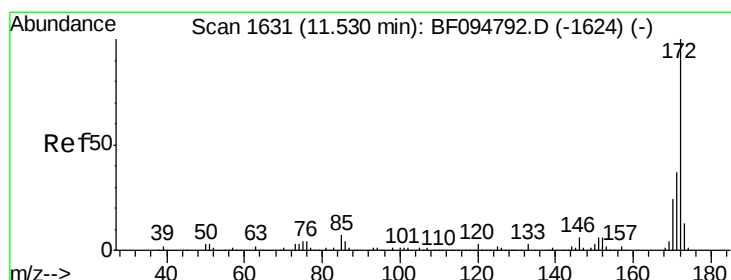
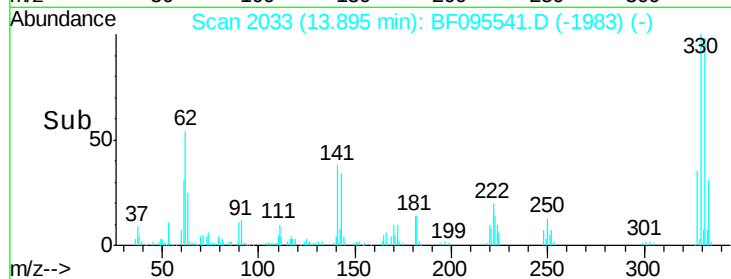
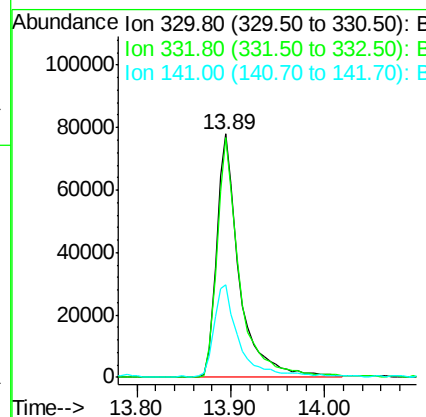
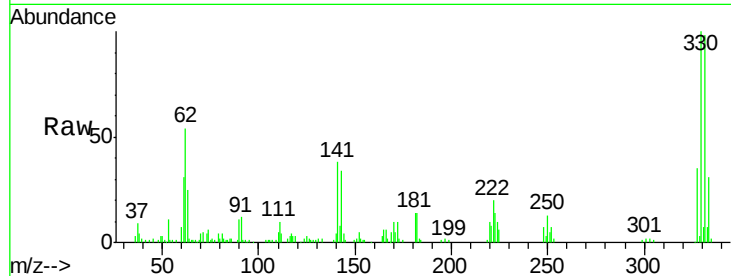
#41
 2,4,6-Tribromophenol
 Concen: 104.42 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP14-SS6

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	133069		
332	97.5	76.6	115.0	
141	42.6	31.4	47.2	

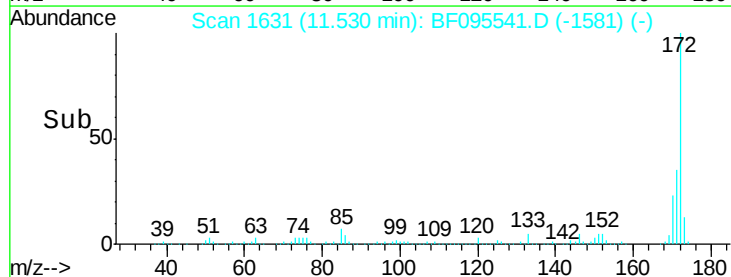
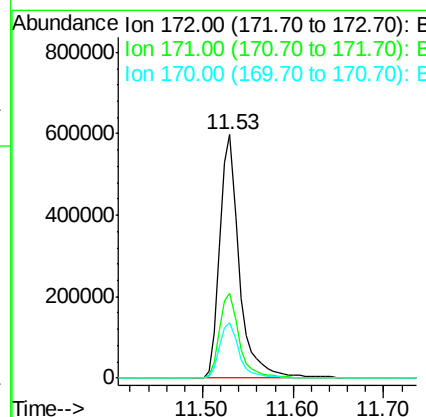
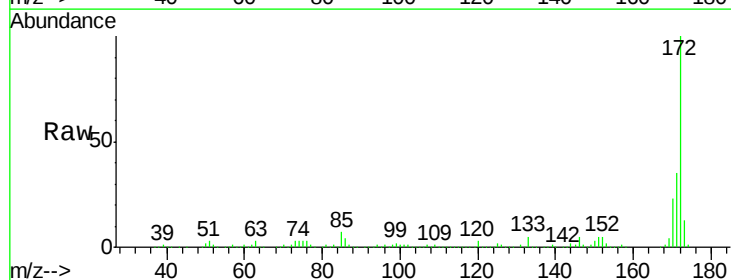
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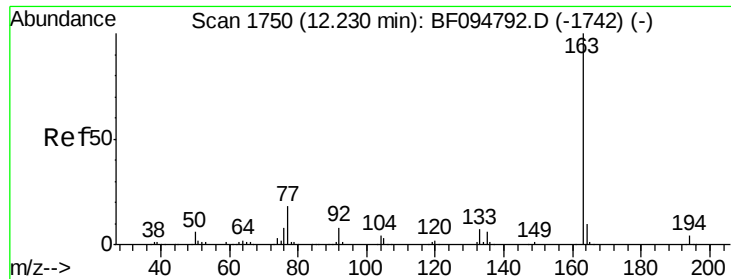
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#44
 2-Fluorobiphenyl
 Concen: 82.80 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	895177		
171	34.9	29.6	44.4	
170	22.8	19.8	29.8	





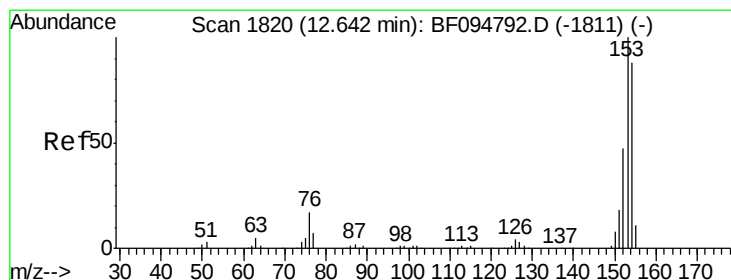
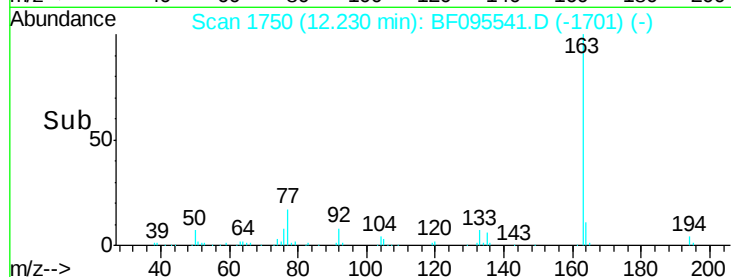
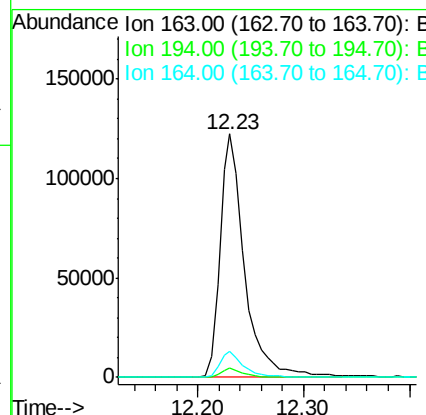
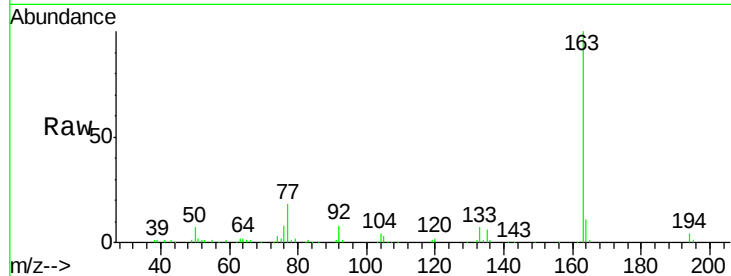
#49
Dimethylphthalate
Concen: 15.53 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Instrument :
BNA_F
ClientSampleId :
R1-TP14-SS6

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	198361		
194	3.9	2.6	4.0	
164	10.7	8.4	12.6	

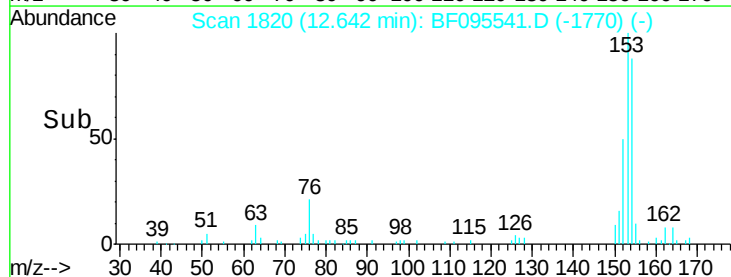
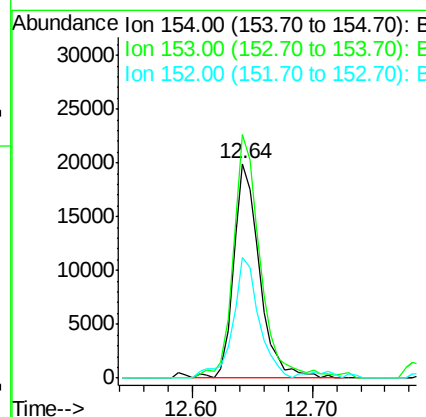
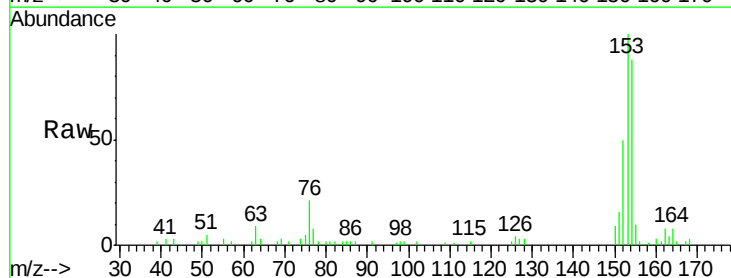
Manual Integrations
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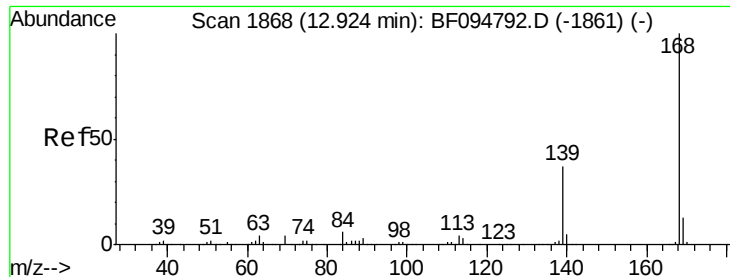
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#51
Acenaphthene
Concen: 2.99 ng
RT: 12.64 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	29566		
153	113.6	90.5	135.7	
152	56.4	43.6	65.4	





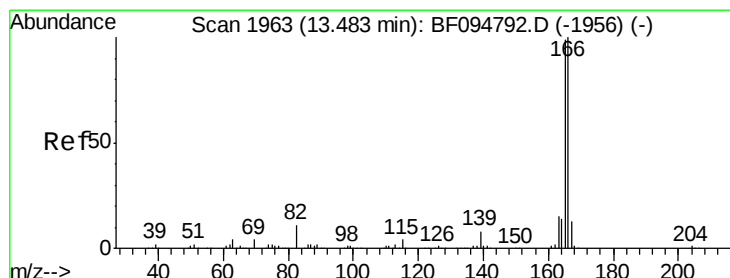
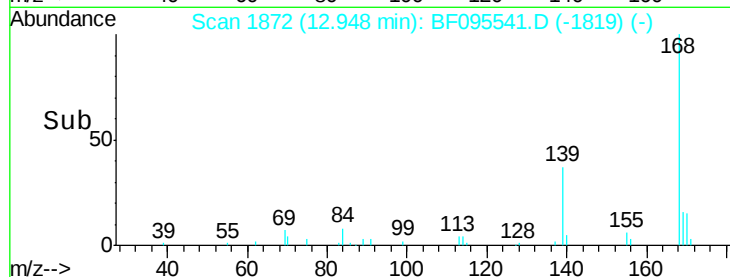
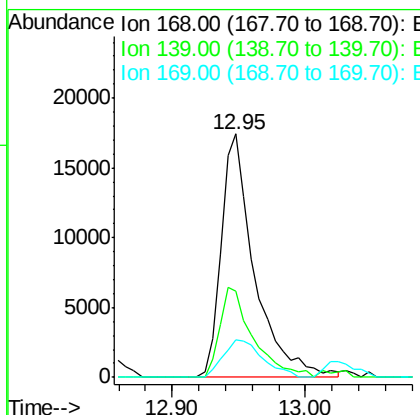
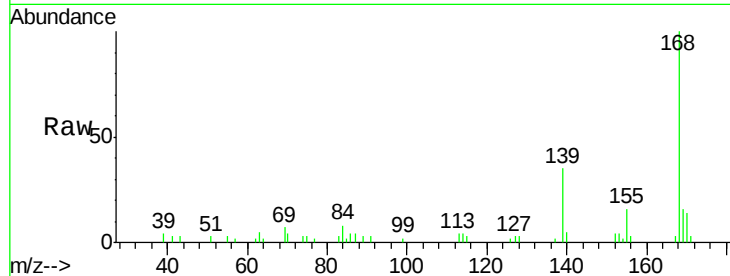
#54
Dibenzenofuran
Concen: 2.22 ng
RT: 12.95 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Instrument :
BNA_F
ClientSampleId :
R1-TP14-SS6

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.2	30.6	45.8
169	15.6	10.8	16.2

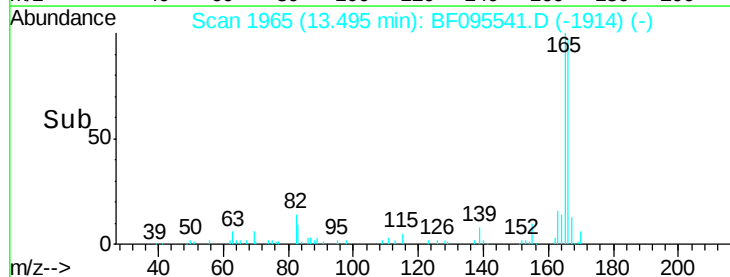
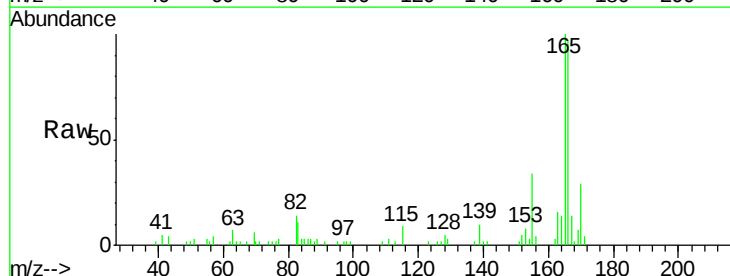
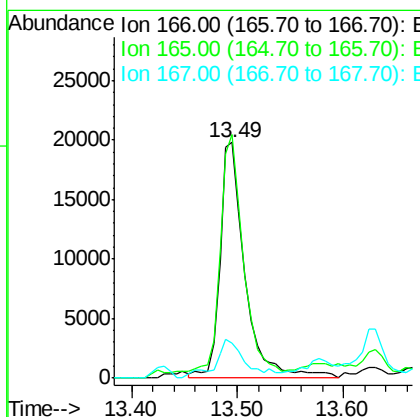
Manual Integrations
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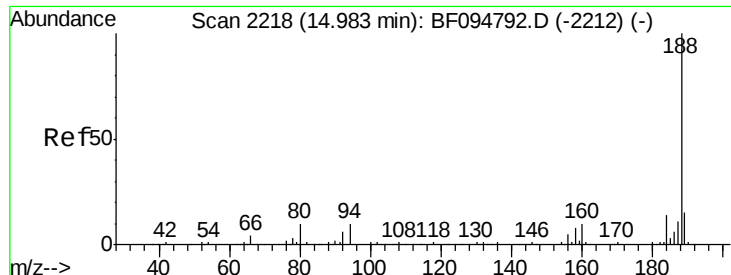
mohammad
5/31/2017 5:02:38 PM



#57
Fluorene
Concen: 2.75 ng
RT: 13.49 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.4	78.8	118.2
167	14.8	10.6	16.0





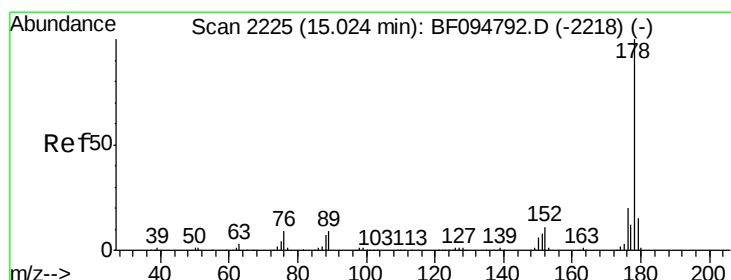
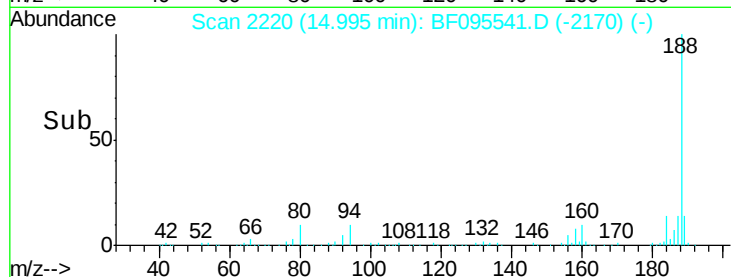
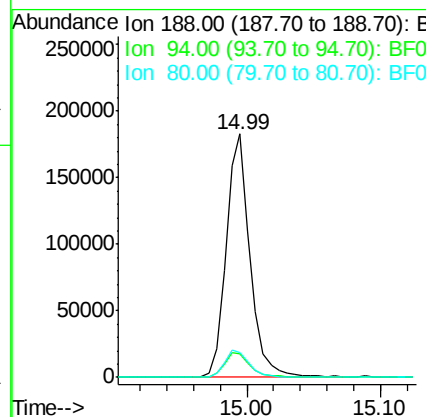
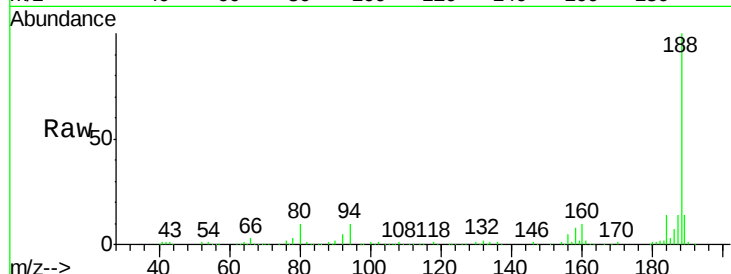
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Instrument :
BNA_F
ClientSampleId :
R1-TP14-SS6

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	9.4	14.2
80	10.3	10.2	15.2

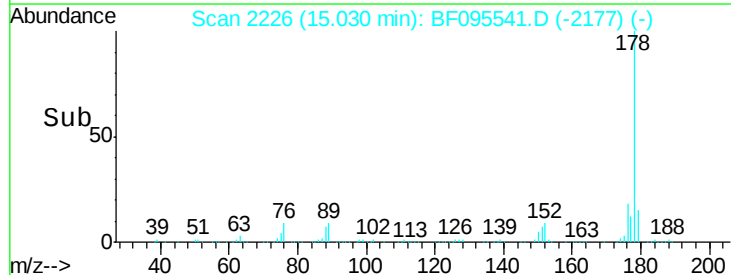
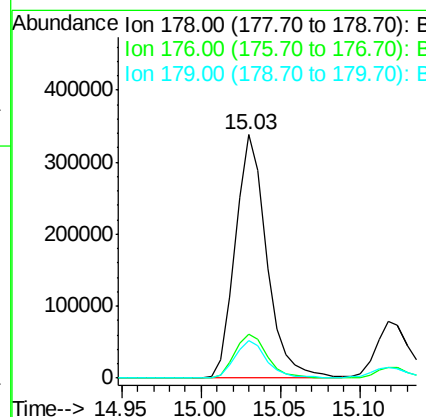
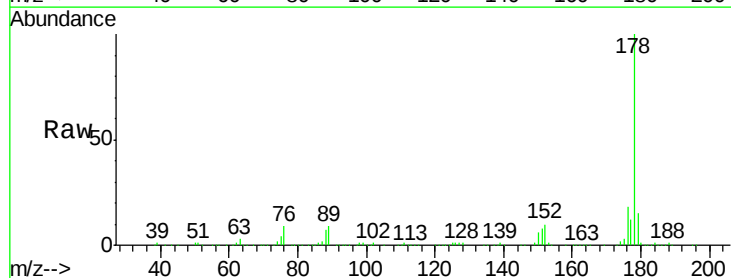
Manual Integrations
APPROVED

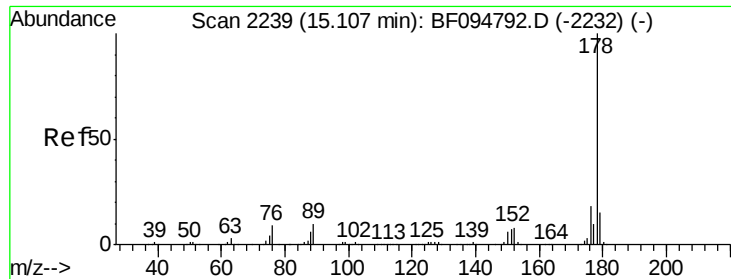
mohammad
5/31/2017 5:02:38 PM



#70
Phenanthrene
Concen: 35.47 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.3	16.2	24.4
179	15.2	12.6	19.0





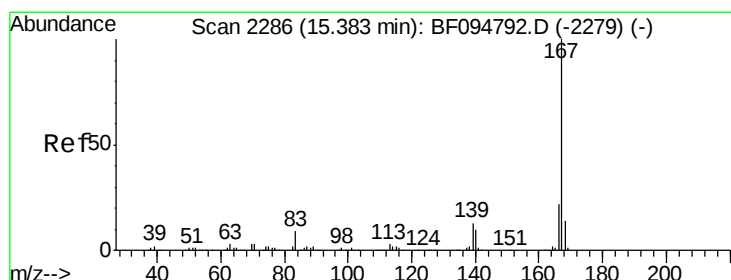
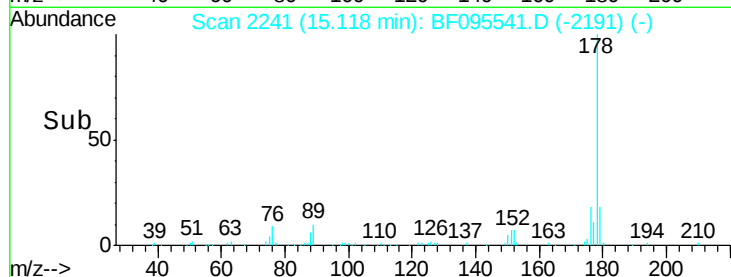
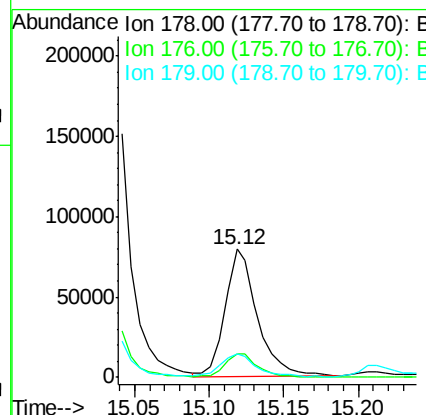
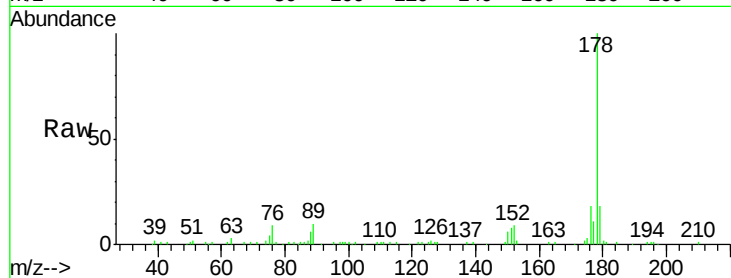
#71
 Anthracene
 Concen: 8.83 ng
 RT: 15.12 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP14-SS6

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	17.9	12.7	19.1

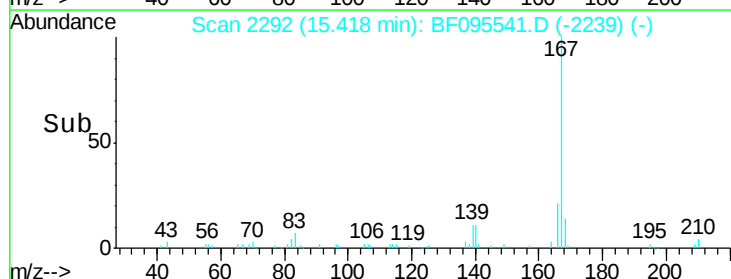
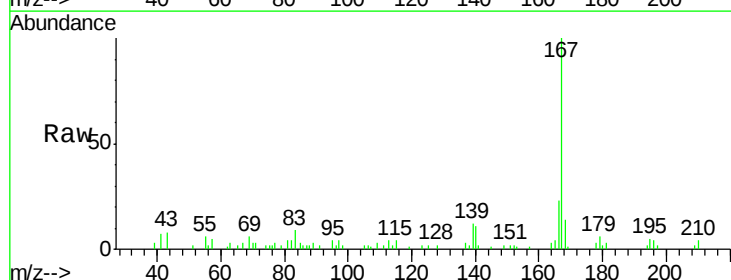
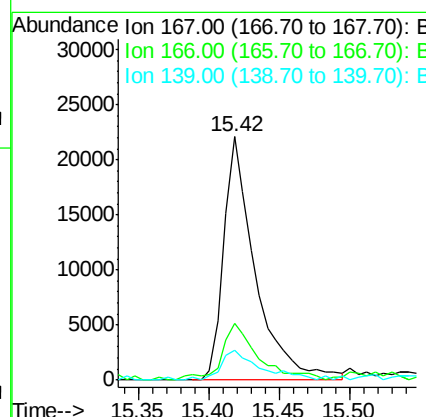
Manual Integrations
 APPROVED

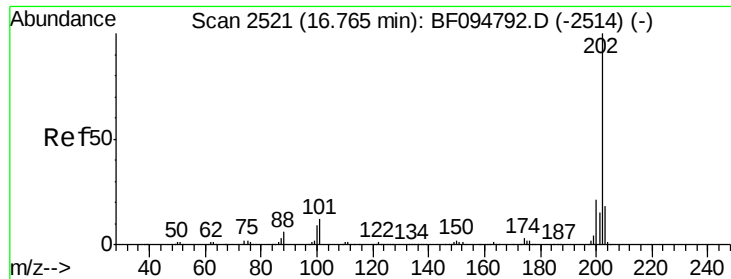
mohammad
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#72
 Carbazole
 Concen: 2.83 ng
 RT: 15.42 min Scan# 2292
 Delta R.T. 0.01 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.3	18.1	27.1
139	12.3	11.7	17.5





#74

Fluoranthene

Concen: 48.02 ng

RT: 16.78 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BF095541.D

Acq: 30 May 2017 18:16

Instrument :

BNA_F

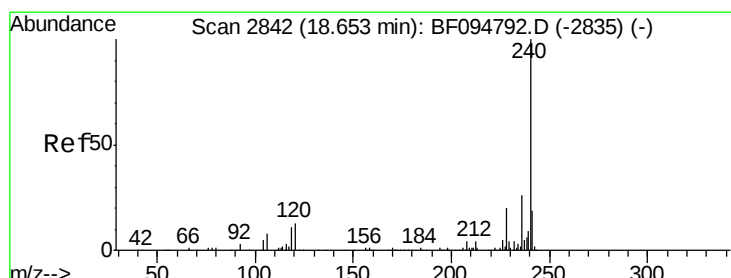
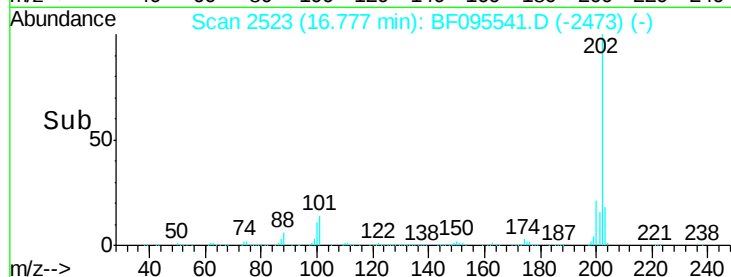
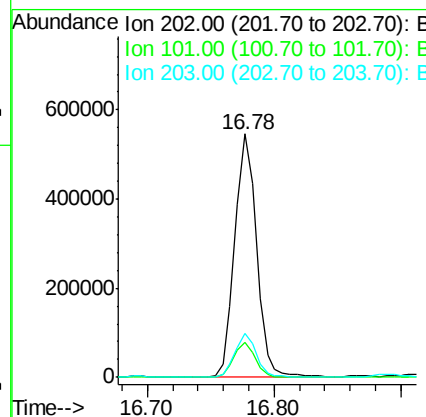
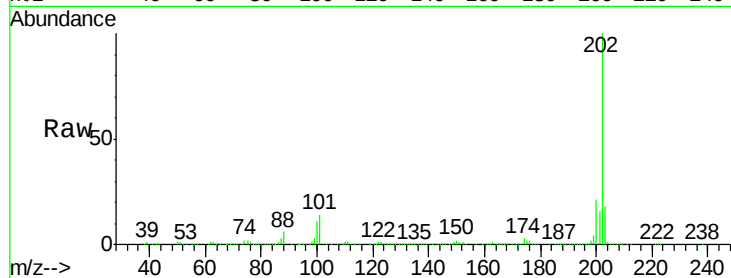
ClientSampleId :

R1-TP14-SS6

Tgt	Ion	202	Resp:	647990
Ion	Ratio	Lower	Upper	
202	100			
101	14.4	0.0	33.2	
203	17.8	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

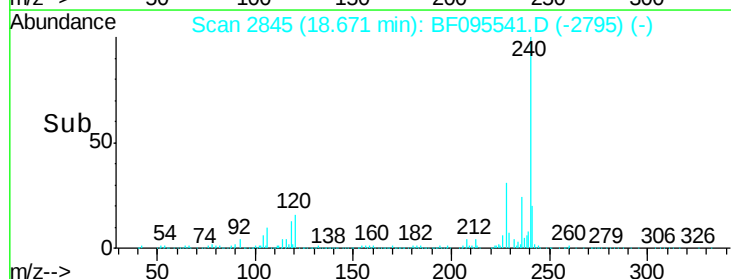
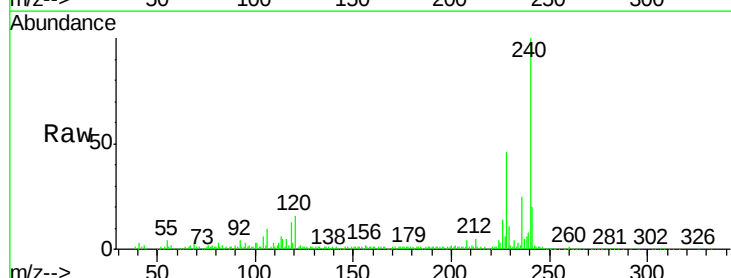
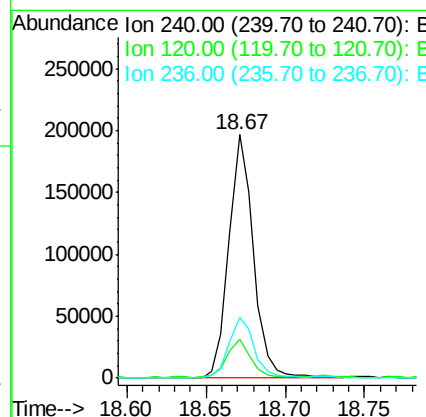
RT: 18.67 min Scan# 2845

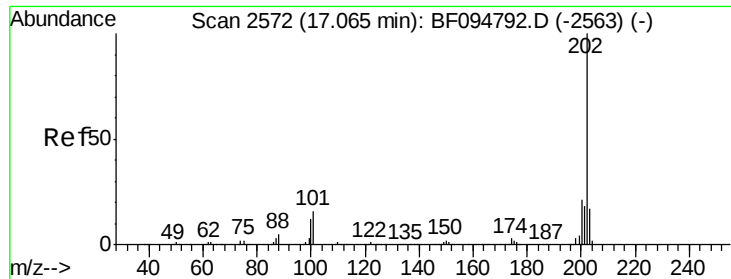
Delta R.T. -0.01 min

Lab File: BF095541.D

Acq: 30 May 2017 18:16

Tgt	Ion	240	Resp:	209715
Ion	Ratio	Lower	Upper	
240	100			
120	16.0	5.8	8.8#	
236	24.7	20.5	30.7	





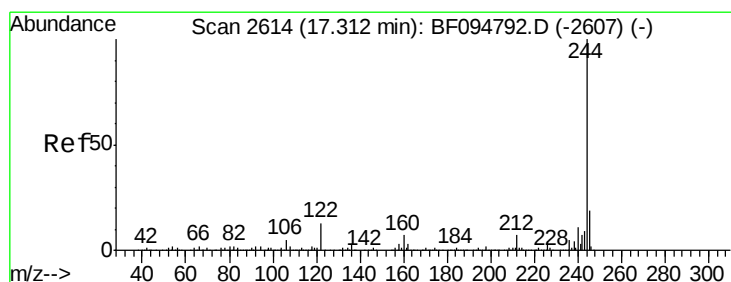
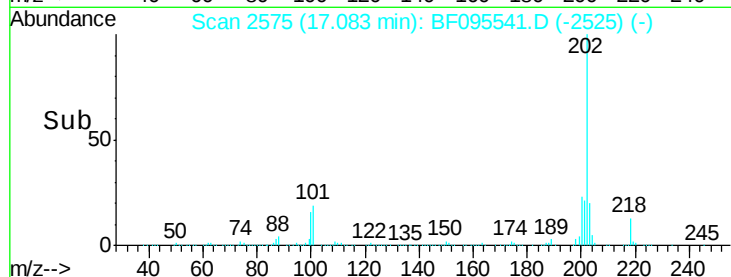
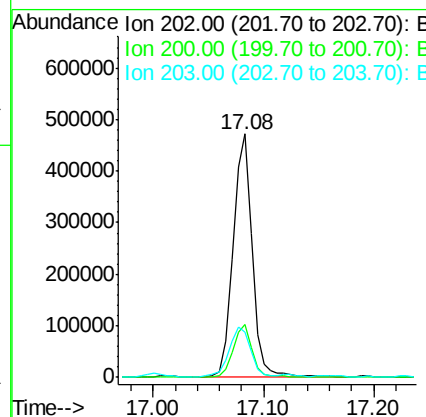
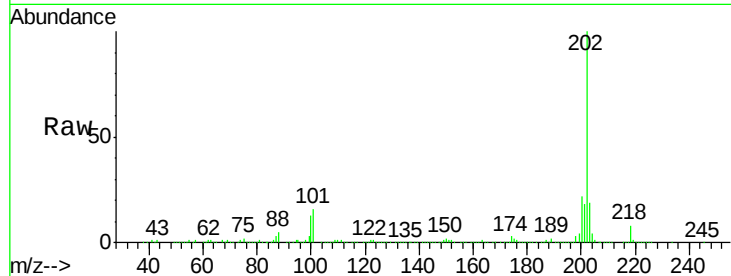
#77
 Pyrene
 Concen: 36.40 ng
 RT: 17.08 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP14-SS6

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	570879		
200	21.7		17.6	26.4
203	18.8		14.4	21.6

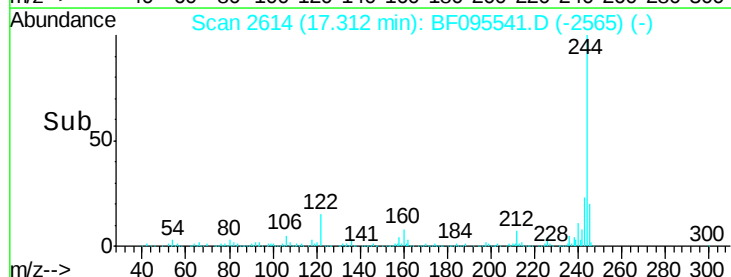
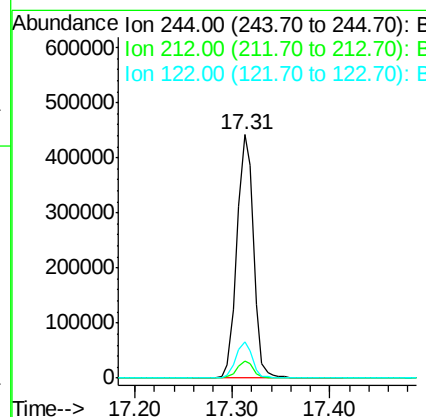
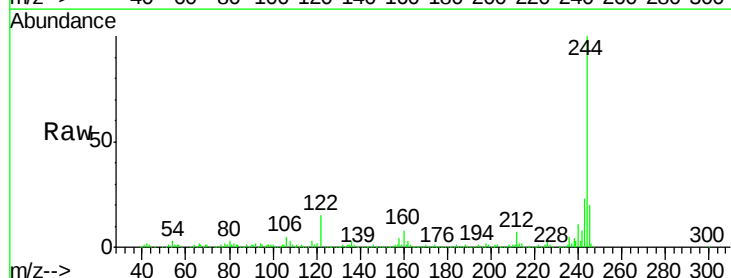
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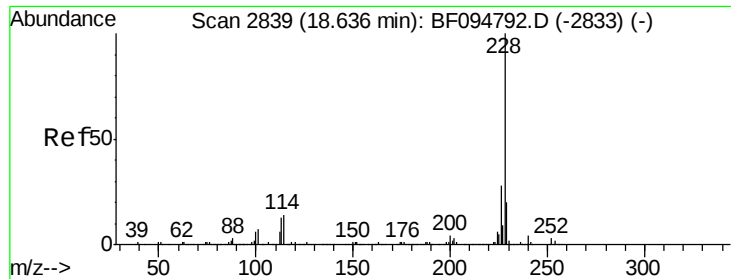
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#78
 Terphenyl-d14
 Concen: 54.87 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	522461		
212	7.0		6.0	9.0
122	14.9		10.3	15.5





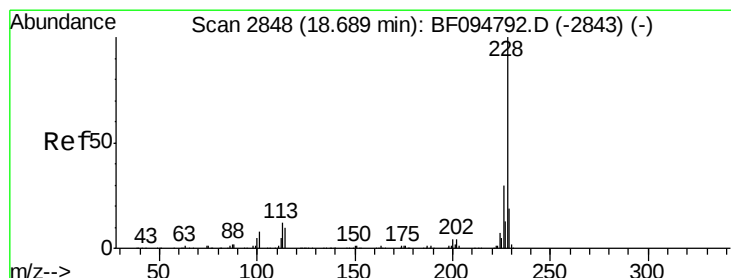
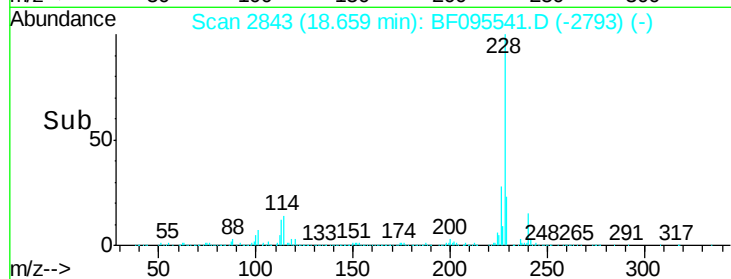
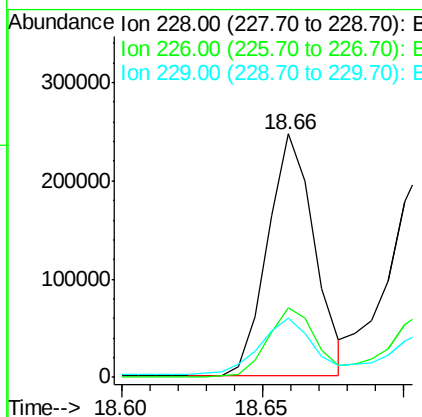
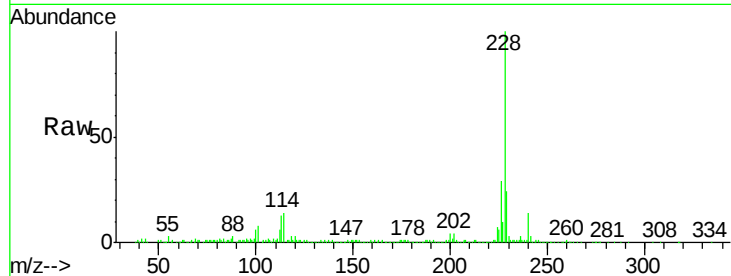
#80
Benzo(a)anthracene
Concen: 23.34 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Instrument :
BNA_F
ClientSampleId :
R1-TP14-SS6

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	284920		
226	28.8	22.6	33.8	
229	24.4	16.3	24.5	

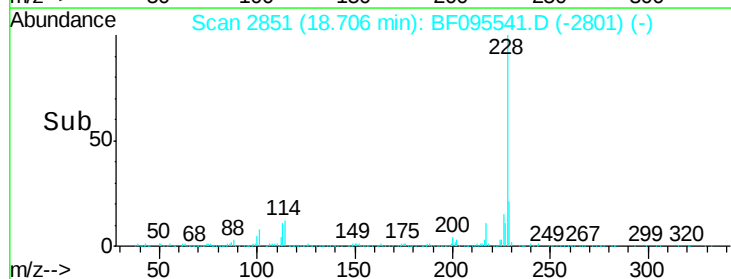
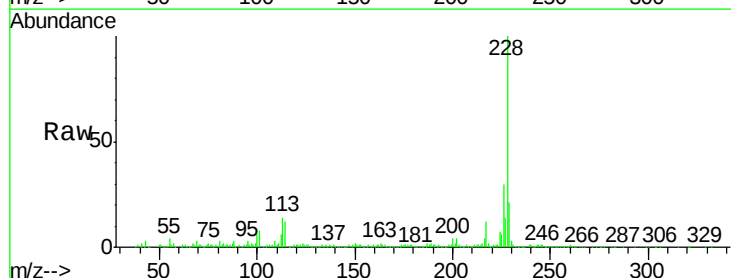
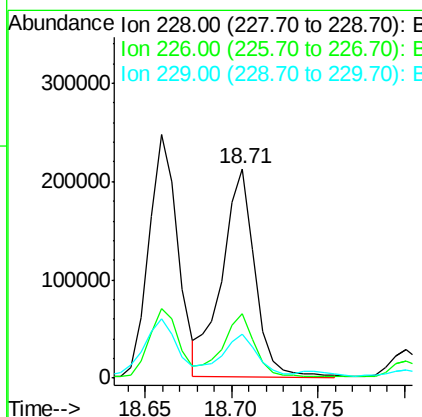
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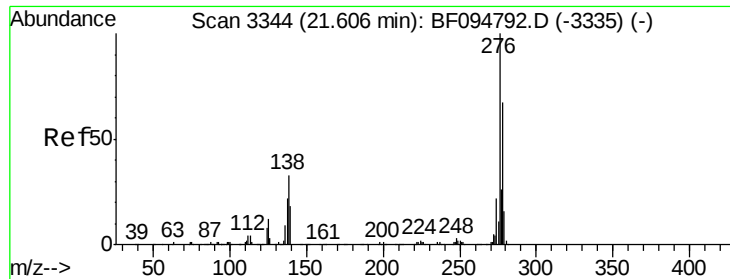
mohammad
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#82
Chrysene
Concen: 23.74 ng m
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	280136		
226	30.5	24.9	37.3	
229	21.2	15.8	23.6	





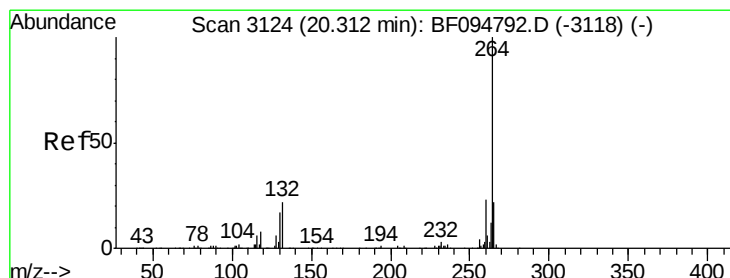
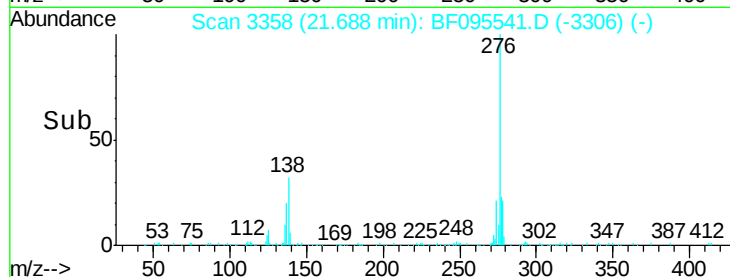
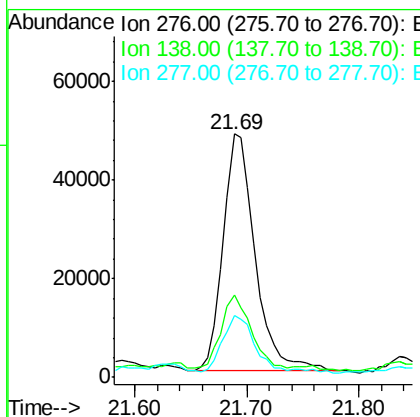
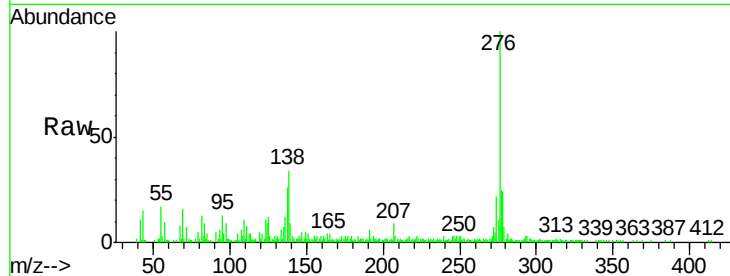
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.94 ng m
 RT: 21.69 min Scan# 3358
 Delta R.T. 0.01 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP14-SS6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	3.5	27.8	41.6#
277	3.4	20.2	30.4#

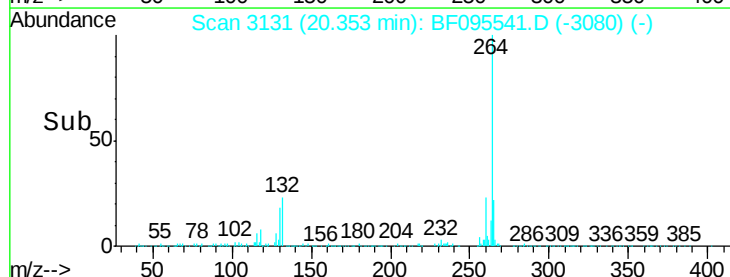
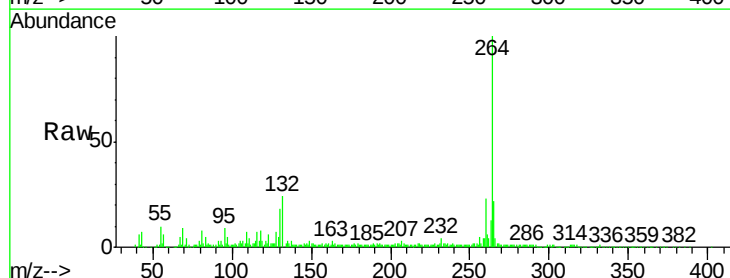
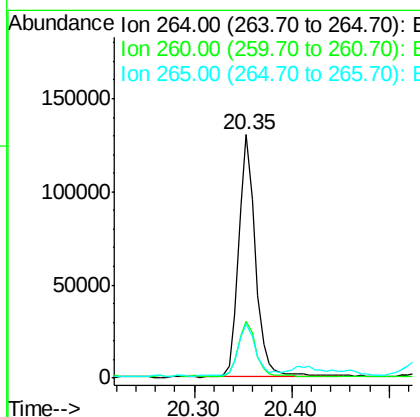
Manual Integrations
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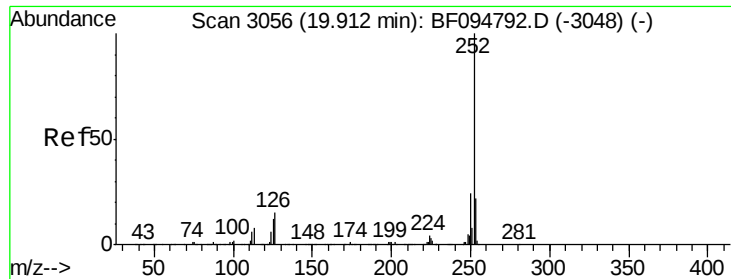
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 30.54 ng m

RT: 19.95 min Scan# 3062

Delta R.T. 0.01 min

Lab File: BF095541.D

Acq: 30 May 2017 18:16

Instrument :

BNA_F

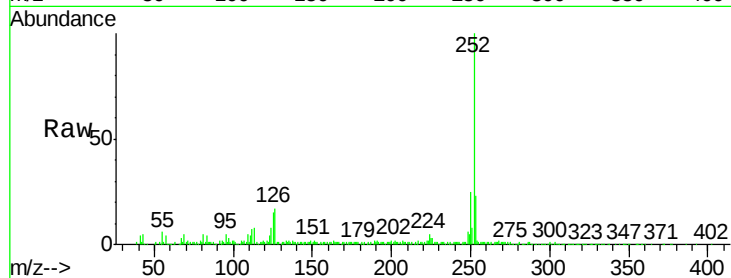
ClientSampleId :

R1-TP14-SS6

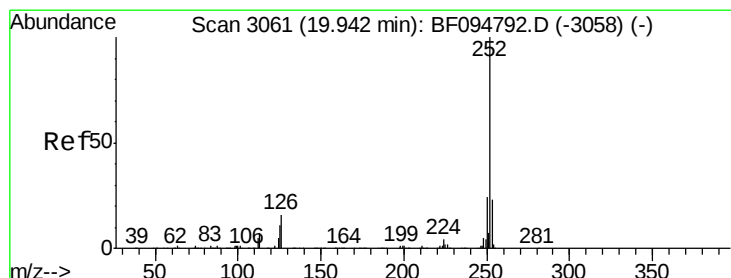
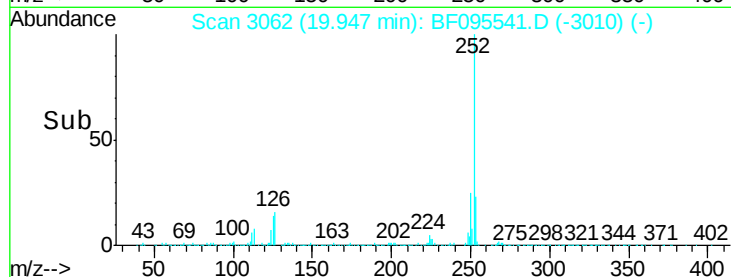
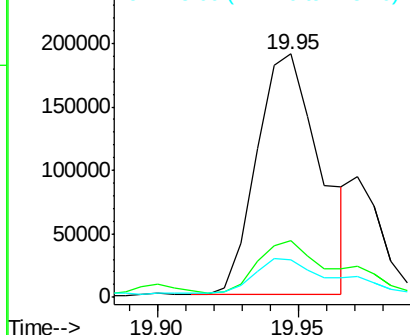
Tgt Ion:	252	Resp:	297276
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.1	27.1
125	15.3	9.8	14.8#

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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: 7.48 ng m

RT: 19.97 min Scan# 3066

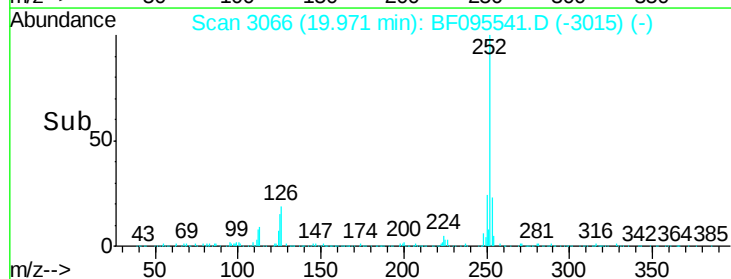
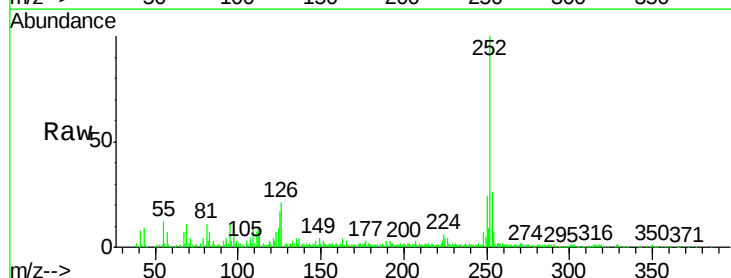
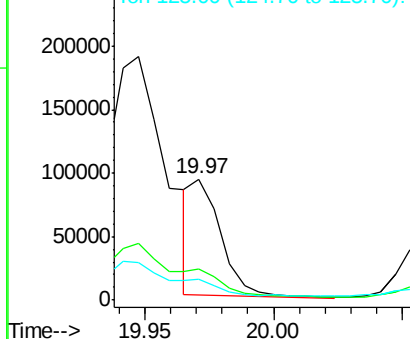
Delta R.T. -0.00 min

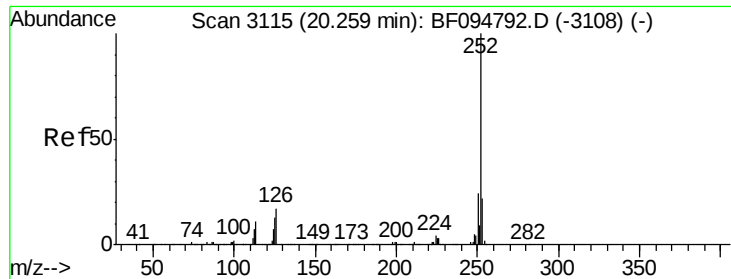
Lab File: BF095541.D

Acq: 30 May 2017 18:16

Tgt Ion:	252	Resp:	70273
Ion Ratio	Lower	Upper	
252	100		
253	26.2	18.4	27.6
125	17.4	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





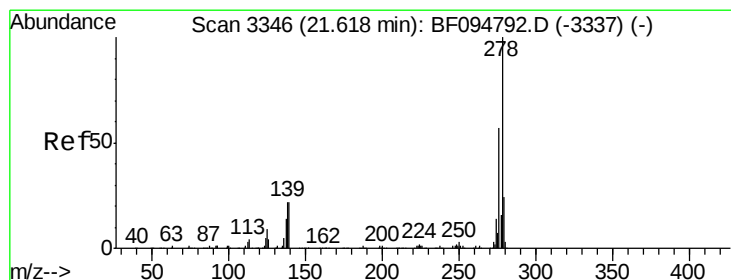
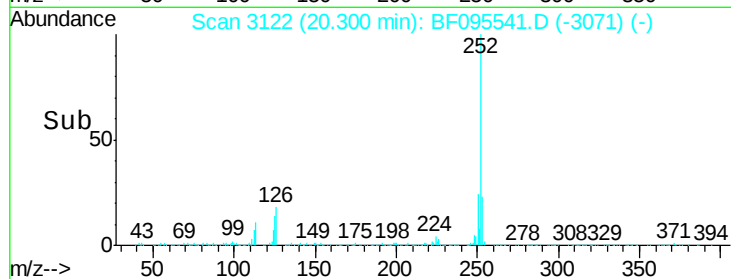
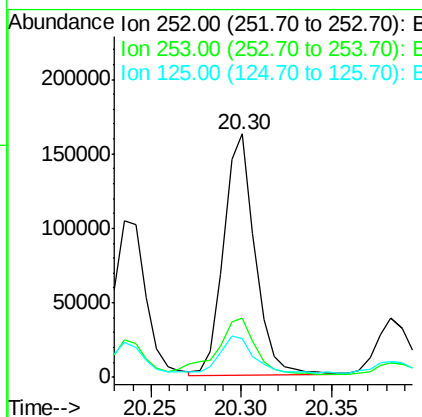
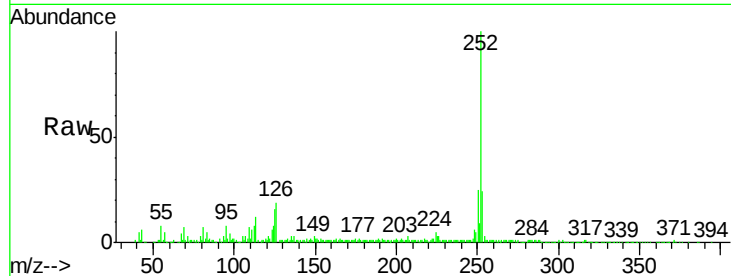
#89
Benzo(a)pyrene
Concen: 21.76 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Instrument :
BNA_F
ClientSampleId :
R1-TP14-SS6

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	195469		
253	24.4	17.5	26.3	
125	15.8	11.0	16.4	

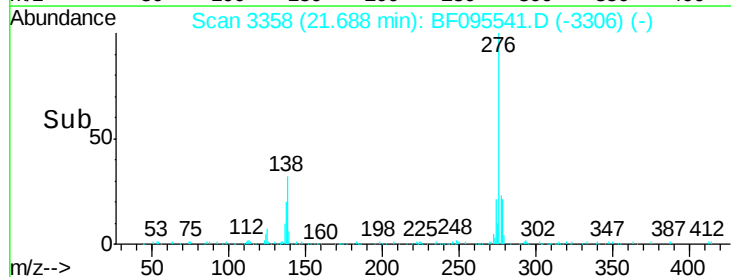
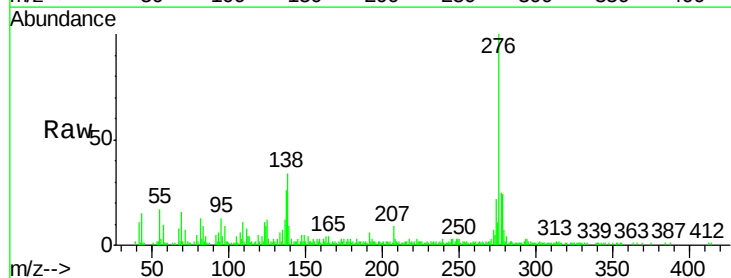
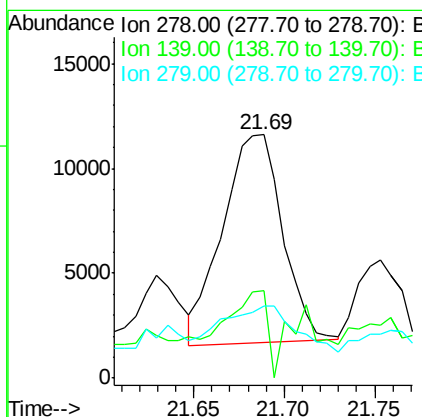
Manual Integrations
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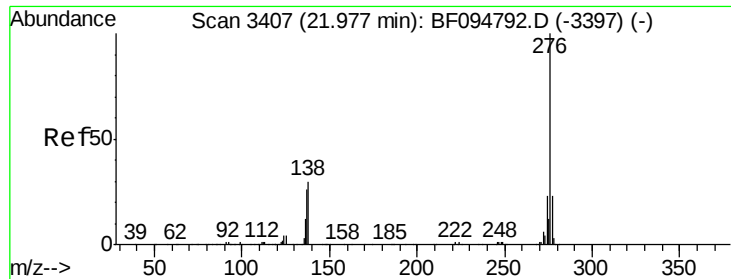
mohammad
5/31/2017 5:02:38 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.09 ng
RT: 21.69 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BF095541.D
Acq: 30 May 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	22903		
139	36.2	16.6	24.8#	
279	29.5	19.3	28.9#	





#91
 Benzo(g,h,i)perylene
 Concen: 12.54 ng
 RT: 22.08 min Scan# 3425
 Delta R.T. 0.01 min
 Lab File: BF095541.D
 Acq: 30 May 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP14-SS6

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	33.6	25.4	38.0

Manual Integrations
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