

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095534.D
 Acq On : 30 May 2017 14:31
 Operator : SJ/MA
 Sample : I3281-14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP8-SS3

Manual Integrations
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 5/31/2017 5:02:21 PM

Quant Time: May 31 02:22:29 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	98560	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	403999	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	185114	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	293653	20.00	ng	0.00
75) Chrysene-d12	18.67	240	202256	20.00	ng	0.00
86) Perylene-d12	20.35	264	214249	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	612764	103.65	ng	0.00
7) Phenol-d6	7.28	99	765985	107.99	ng	-0.01
23) Nitrobenzene-d5	8.64	82	451434	70.46	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	141036	93.03	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	864704	67.23	ng	-0.01
78) Terphenyl-d14	17.31	244	530738	57.80	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	9.80	128	103044	5.07	ng	99
37) 2-Methylnaphthalene	10.92	142	110643	8.30	ng	95
49) Dimethylphthalate	12.23	163	151457	9.97	ng	97
51) Acenaphthene	12.64	154	34921	2.97	ng	100
54) Dibenzofuran	12.94	168	53668	3.29	ng	97
57) Fluorene	13.49	166	32457	2.29	ng	92
70) Phenanthrene	15.03	178	452020	26.79	ng	99
71) Anthracene	15.12	178	101613m	5.90	ng	
74) Fluoranthene	16.78	202	458093	26.47	ng	99
77) Pyrene	17.08	202	406305	26.86	ng	# 95
80) Benzo(a)anthracene	18.66	228	167353	14.22	ng	96
82) Chrysene	18.71	228	166059	14.59	ng	97
85) Indeno(1,2,3-cd)pyrene	21.69	276	89235	9.65	ng	91
87) Benzo(b)fluoranthene	19.94	252	191926m	14.50	ng	
88) Benzo(k)fluoranthene	19.97	252	75268m	5.89	ng	
89) Benzo(a)pyrene	20.29	252	154421	12.64	ng	96
90) Dibenzo(a,h)anthracene	21.68	278	23909	2.37	ng	# 76
91) Benzo(g,h,i)perylene	22.08	276	81141	8.20	ng	97

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

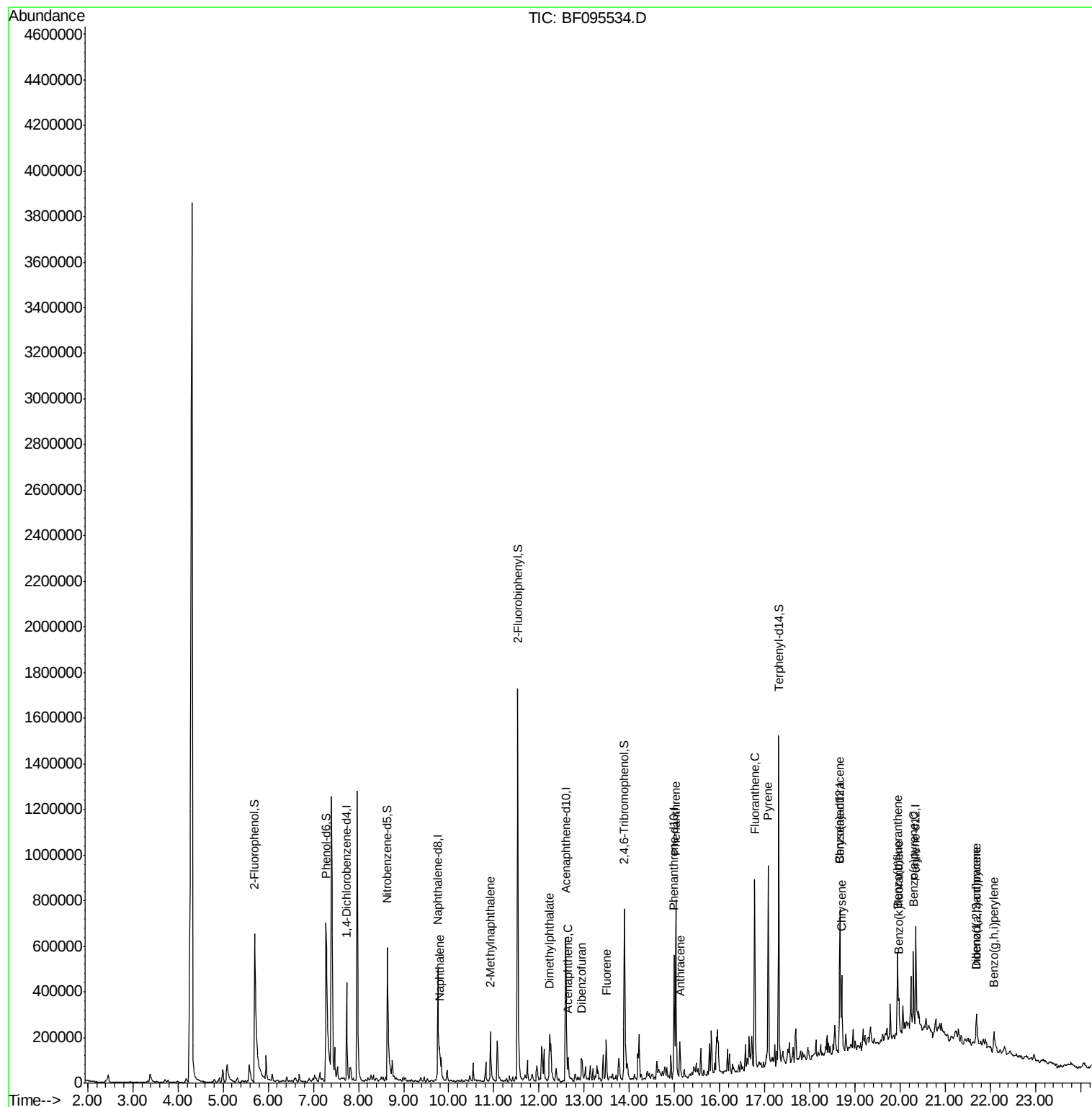
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
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ALS Vial : 5 Sample Multiplier: 1

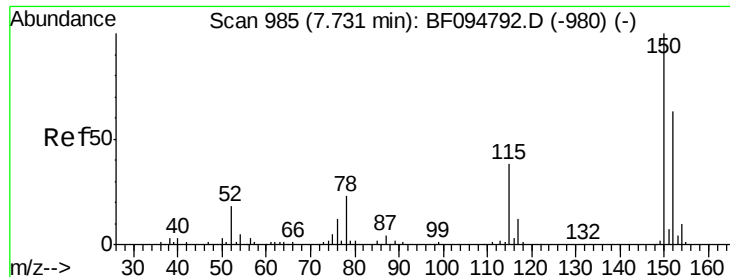
Instrument :
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R1-TP8-SS3

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#1

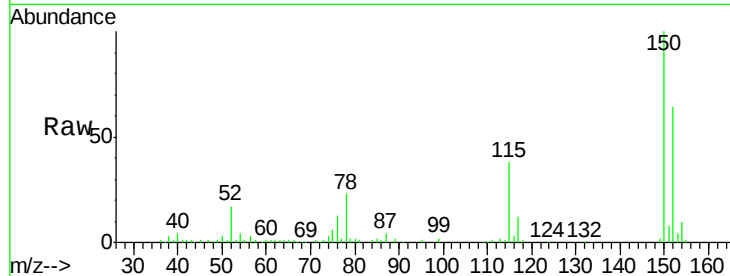
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Instrument :
BNA_F
ClientSampleId :
R1-TP8-SS3

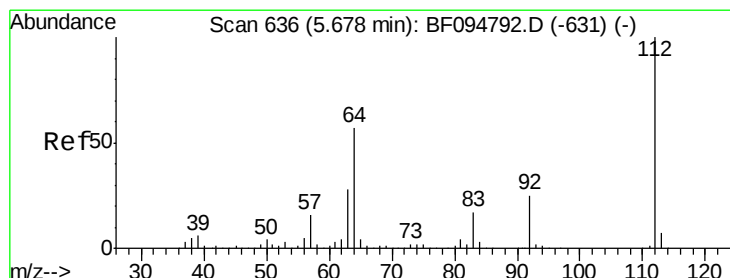
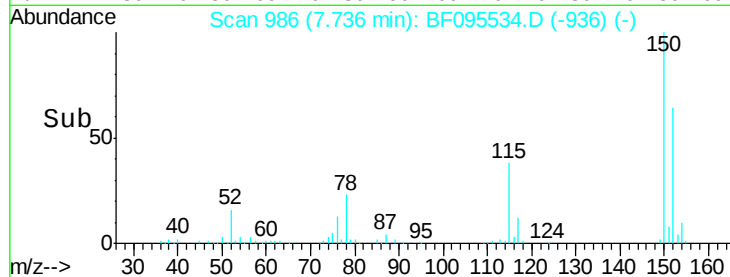
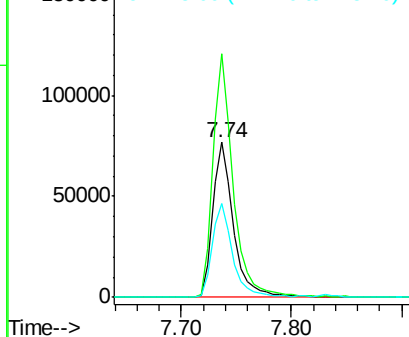
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	60.4	52.2	78.2

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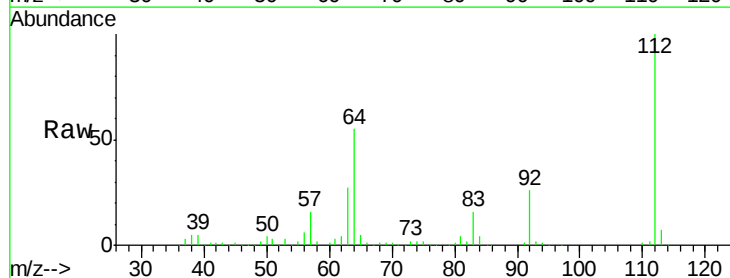
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



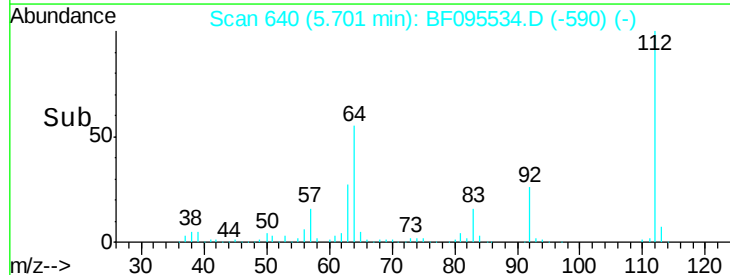
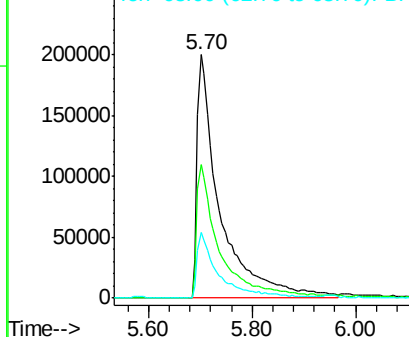
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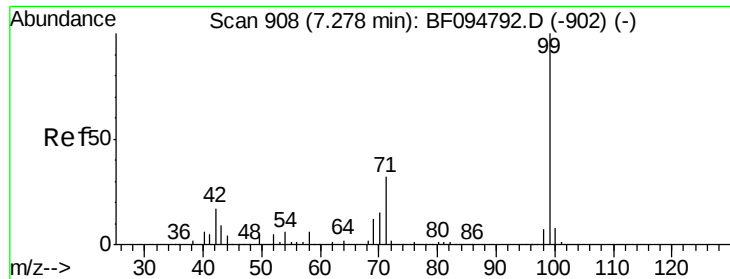
2-Fluorophenol
Concen: 103.65 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.0	69.0
63	26.8	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: 107.99 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095534.D

Acq: 30 May 2017 14:31

Instrument :

BNA_F

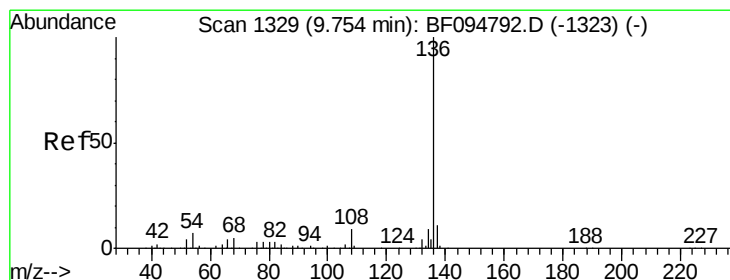
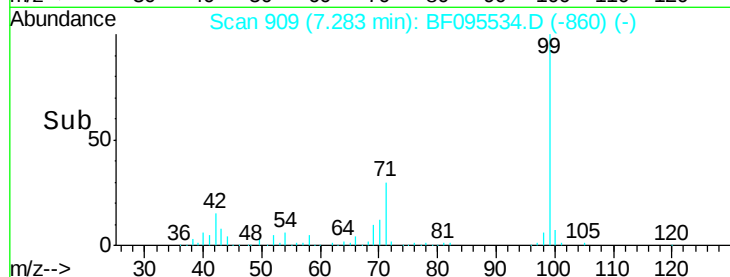
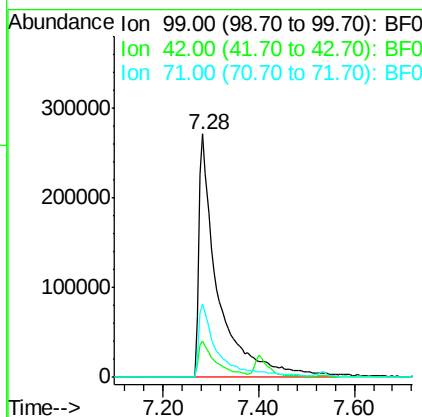
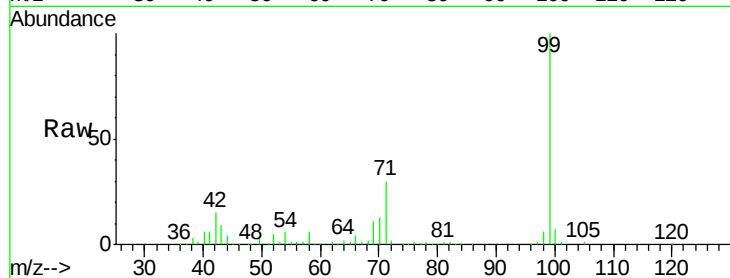
ClientSampleId :

R1-TP8-SS3

Tgt Ion:	99	Resp:	765985
Ion Ratio	Lower	Upper	
99	100		
42	14.9	13.5	20.3
71	30.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

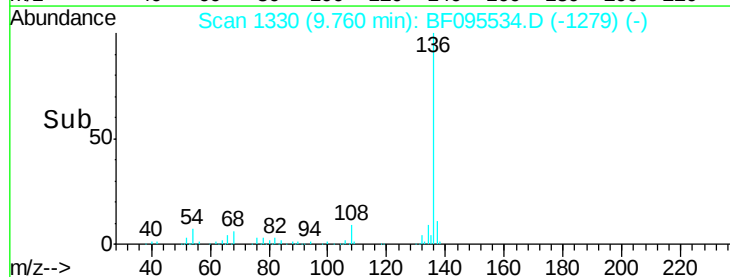
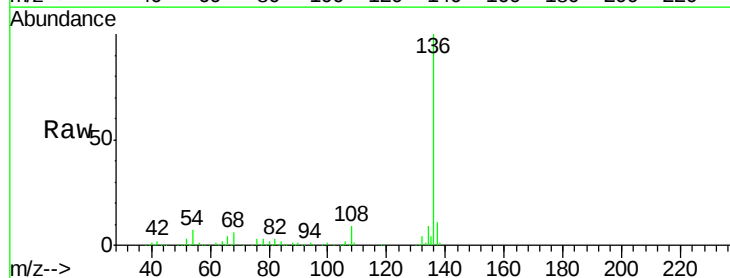
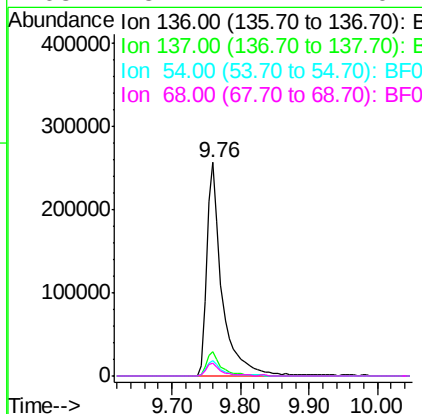
RT: 9.76 min Scan# 1330

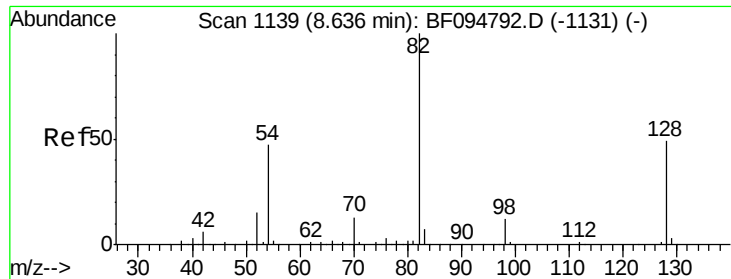
Delta R.T. -0.00 min

Lab File: BF095534.D

Acq: 30 May 2017 14:31

Tgt Ion:	136	Resp:	403999
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	7.3	4.9	7.3
68	5.7	4.1	6.1





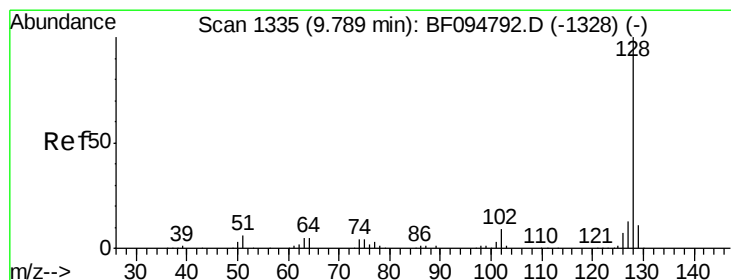
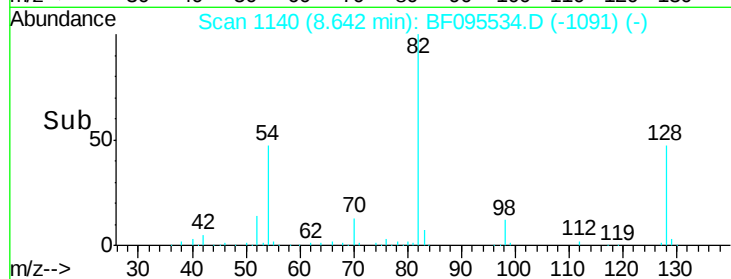
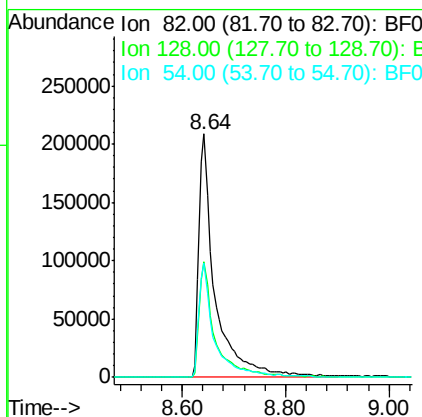
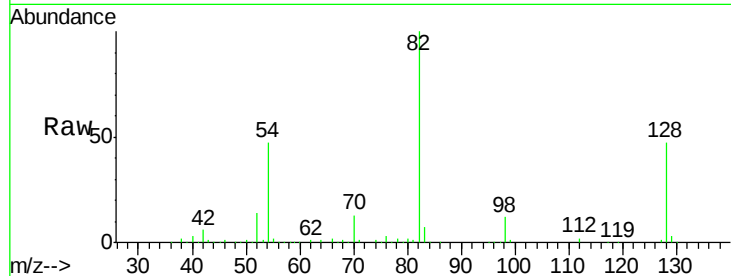
#23
Nitrobenzene-d5
Concen: 70.46 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Instrument :
BNA_F
ClientSampleId :
R1-TP8-SS3

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.0	51.0
54	46.9	42.2	63.2

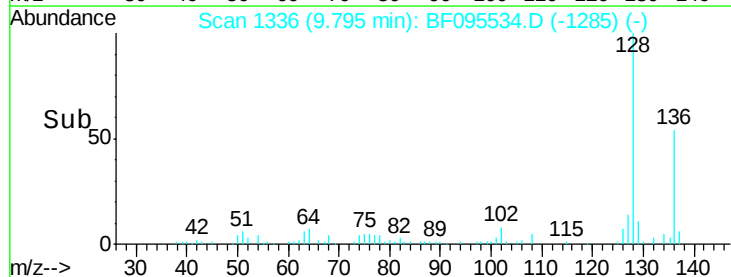
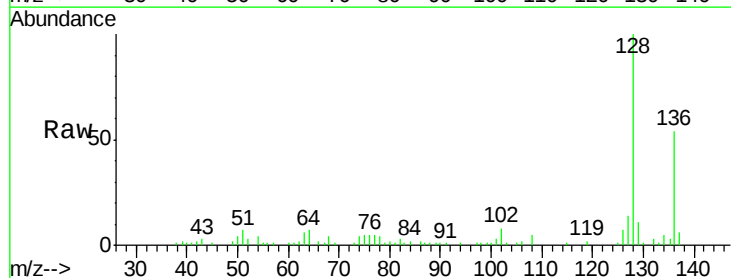
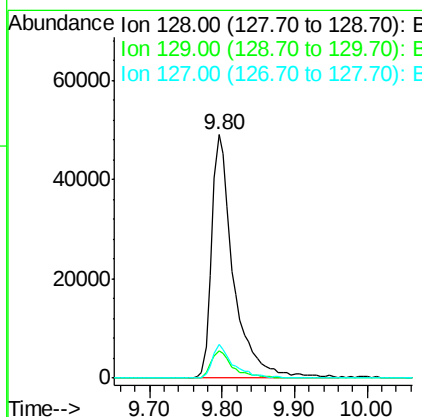
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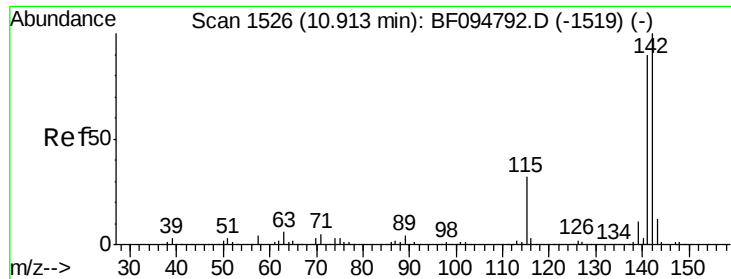
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#31
Naphthalene
Concen: 5.07 ng
RT: 9.80 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	14.0	10.8	16.2





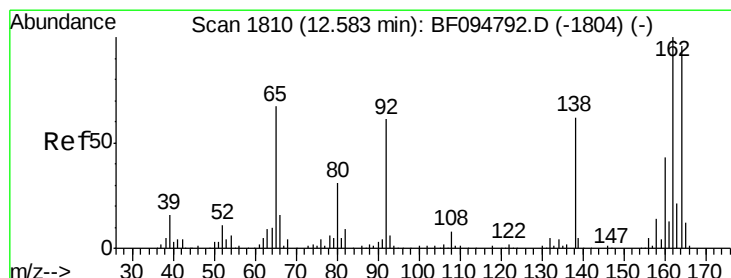
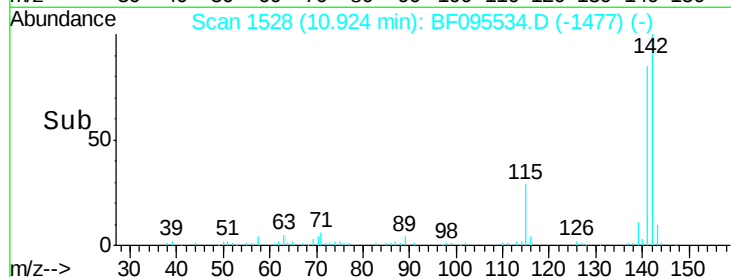
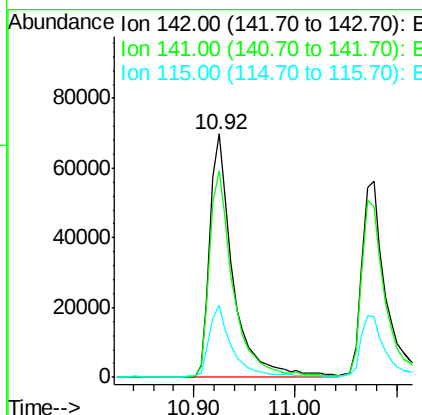
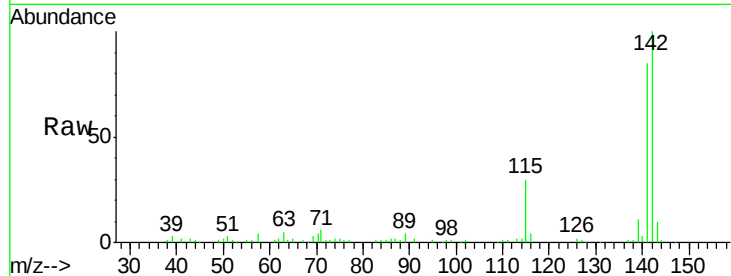
#37
2-Methylnaphthalene
Concen: 8.30 ng
RT: 10.92 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Instrument :
BNA_F
ClientSampleId :
R1-TP8-SS3

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.9	71.3	106.9
115	29.6	27.1	40.7

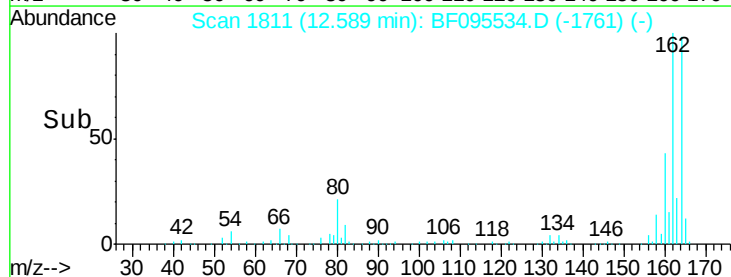
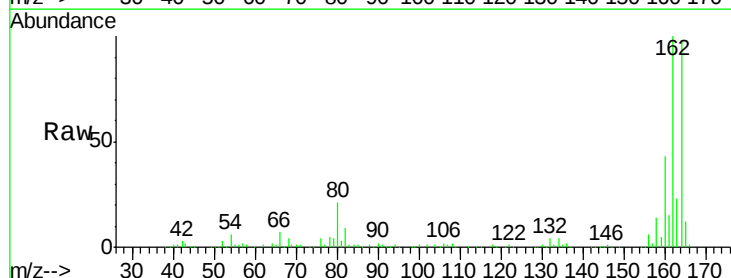
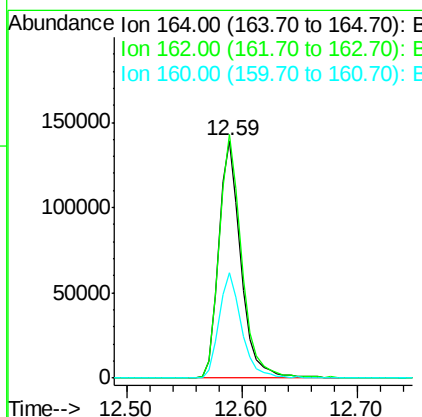
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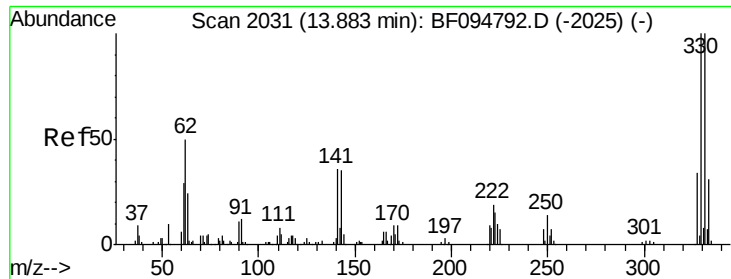
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	44.2	36.2	54.2





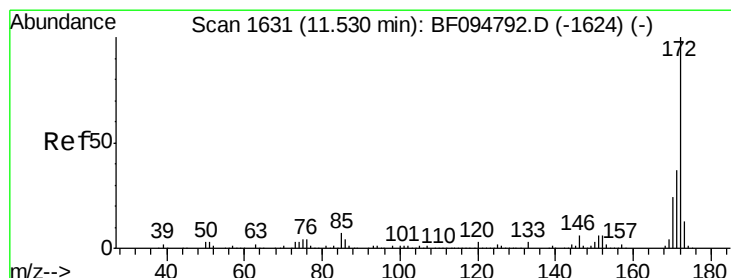
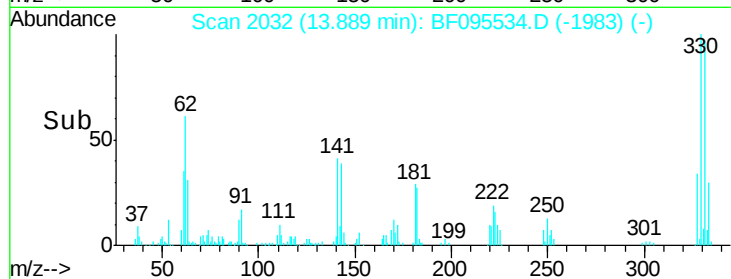
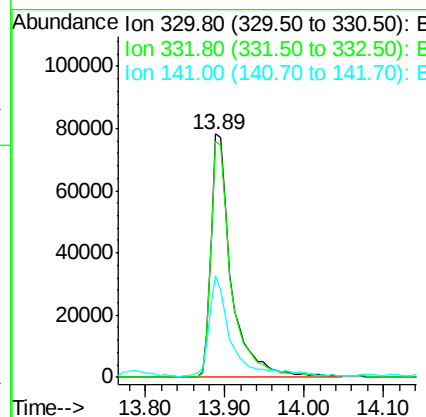
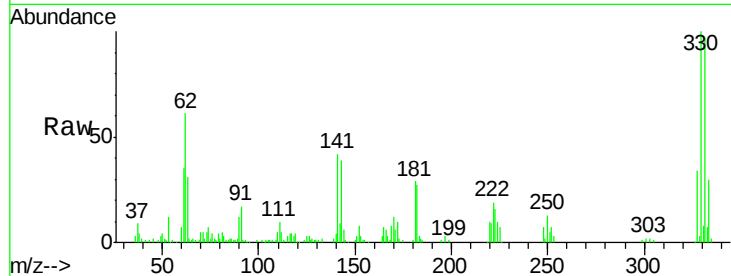
#41
 2,4,6-Tribromophenol
 Concen: 93.03 ng
 RT: 13.89 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF095534.D
 Acq: 30 May 2017 14:31

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP8-SS3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	141036		
332	94.6	76.6	115.0	
141	47.4	31.4	47.2#	

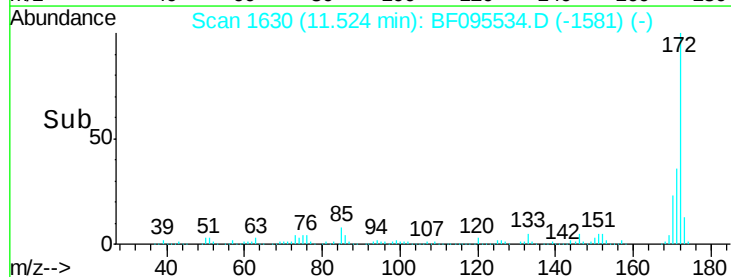
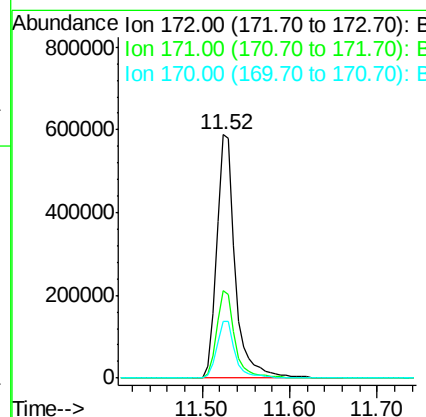
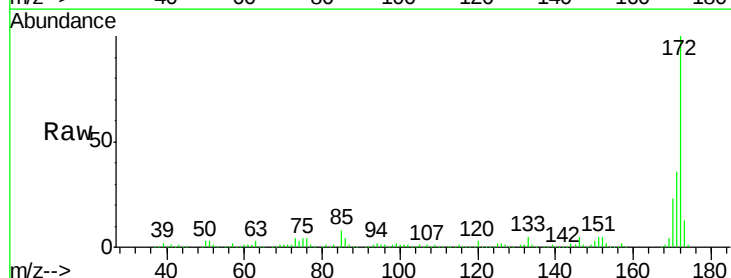
Manual Integrations
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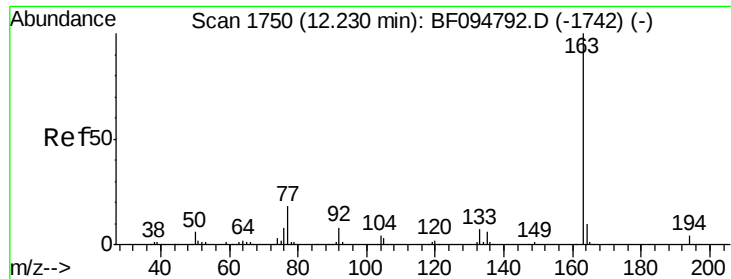
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#44
 2-Fluorobiphenyl
 Concen: 67.23 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BF095534.D
 Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	864704		
171	35.9	29.6	44.4	
170	23.3	19.8	29.8	





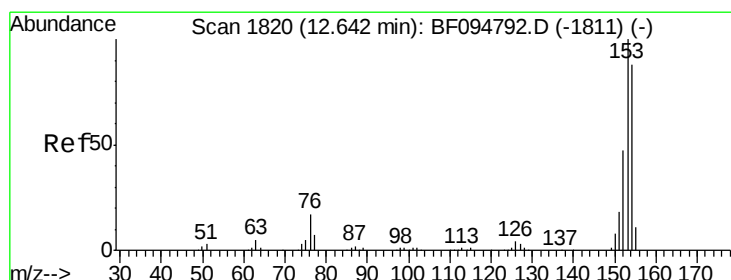
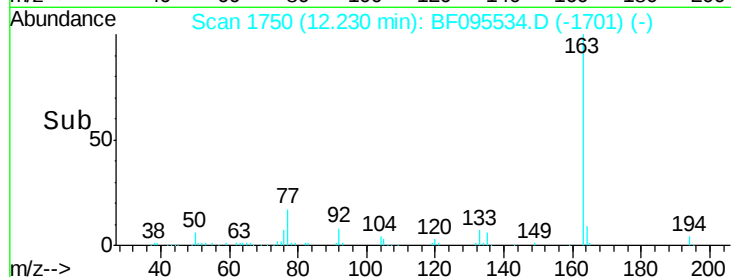
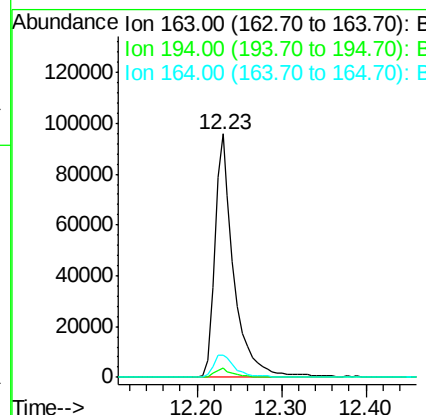
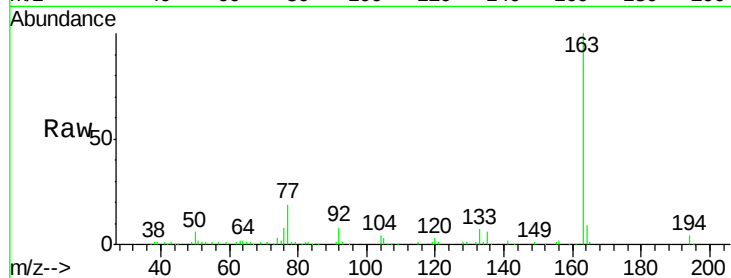
#49
Dimethylphthalate
Concen: 9.97 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Instrument :
BNA_F
ClientSampleId :
R1-TP8-SS3

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	151457		
194	3.6	2.6	4.0	
164	9.3	8.4	12.6	

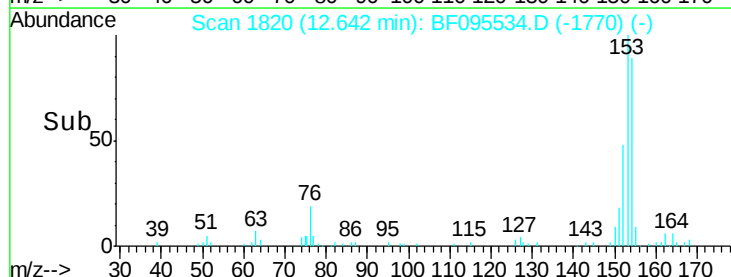
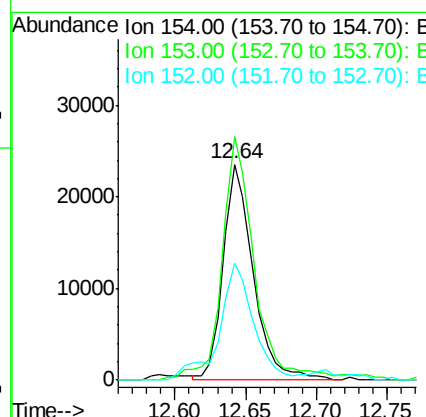
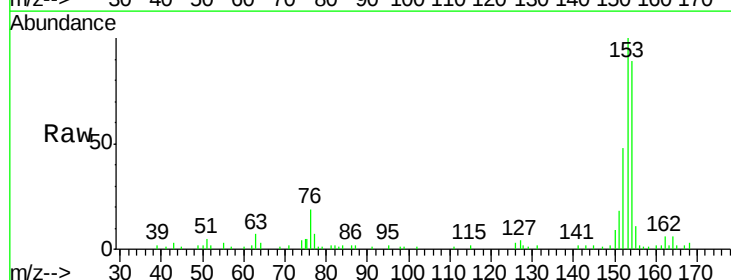
Manual Integrations
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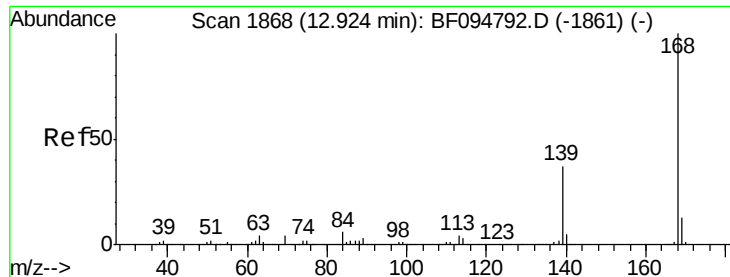
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#51
Acenaphthene
Concen: 2.97 ng
RT: 12.64 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	34921		
153	112.7	90.5	135.7	
152	54.2	43.6	65.4	





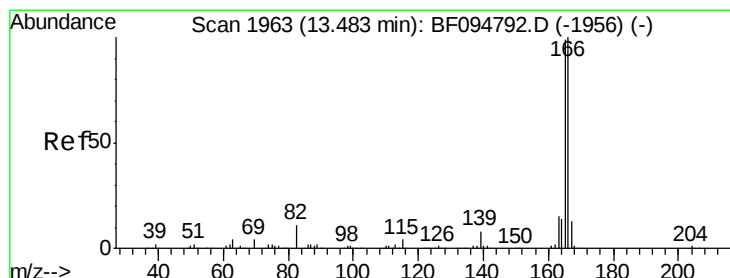
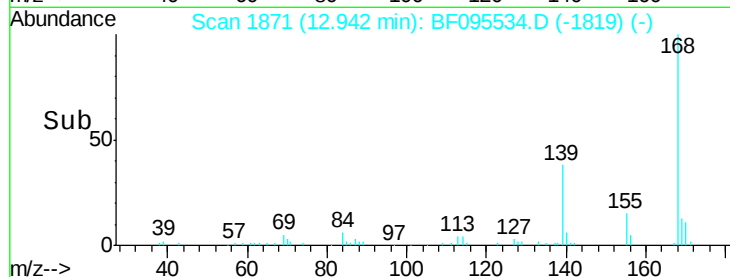
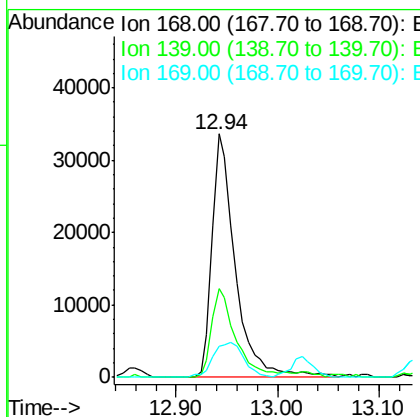
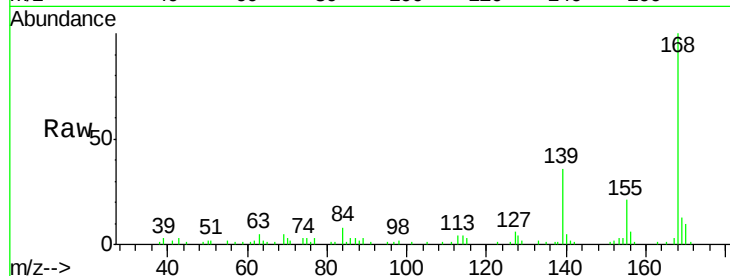
#54
Dibenzenofuran
Concen: 3.29 ng
RT: 12.94 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Instrument :
BNA_F
ClientSampleId :
R1-TP8-SS3

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.4	30.6	45.8
169	12.8	10.8	16.2

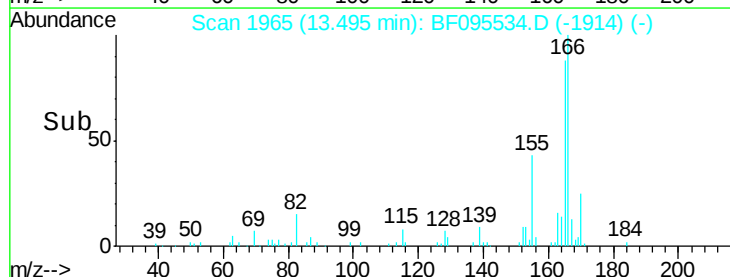
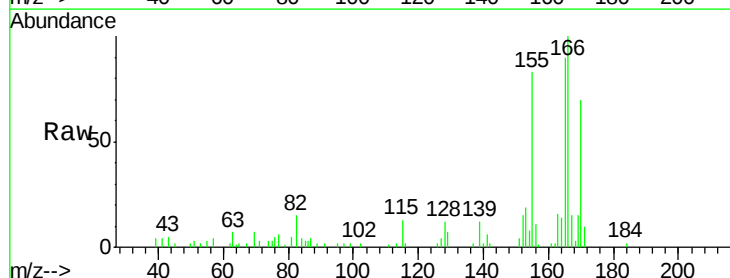
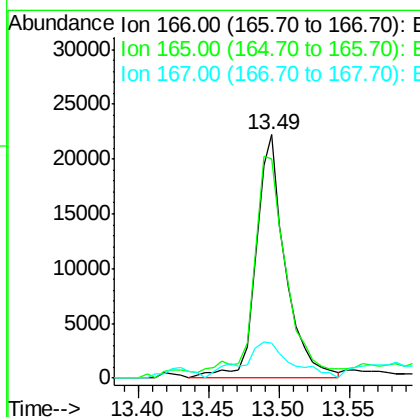
Manual Integrations
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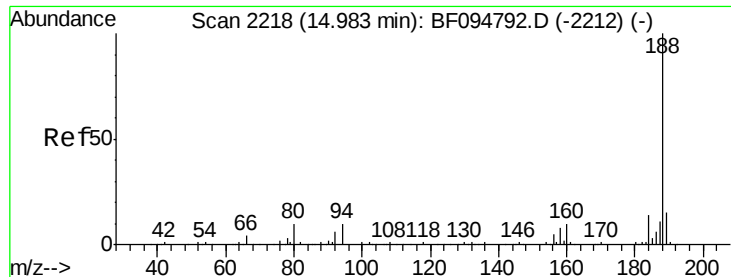
mohammad
5/31/2017 5:02:21 PM



#57
Fluorene
Concen: 2.29 ng
RT: 13.49 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.9	78.8	118.2
167	14.6	10.6	16.0





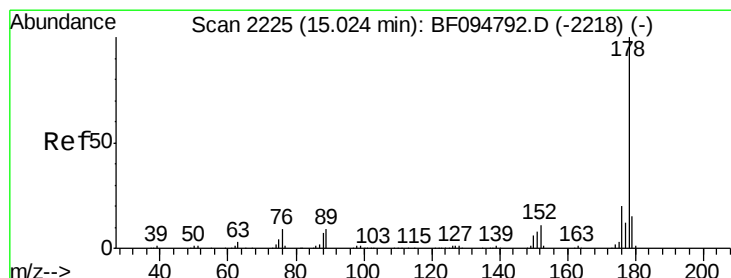
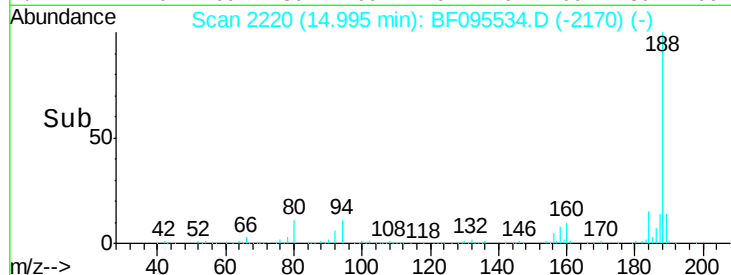
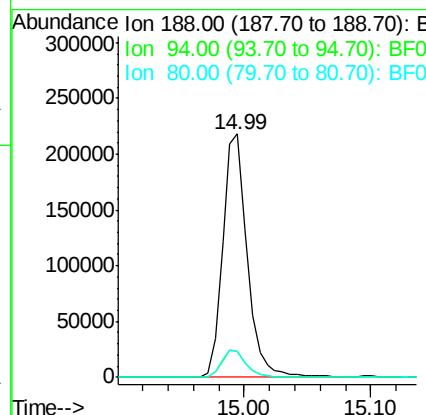
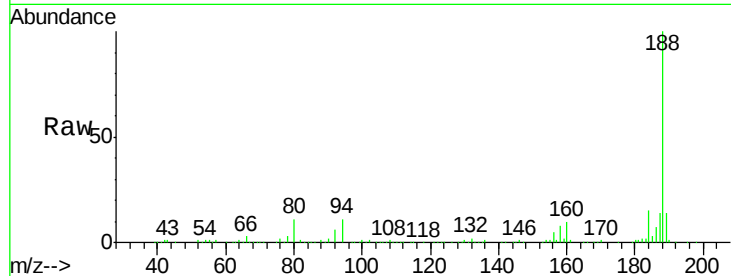
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BF095534.D
 Acq: 30 May 2017 14:31

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP8-SS3

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.7	9.4	14.2
80	10.5	10.2	15.2

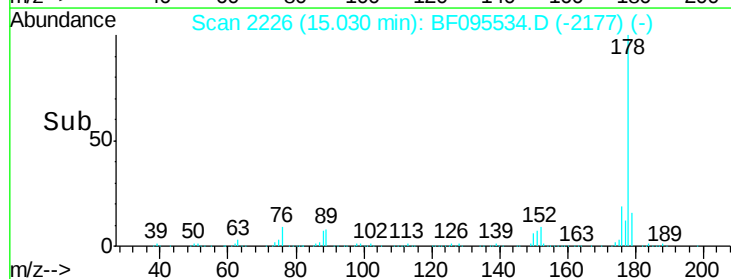
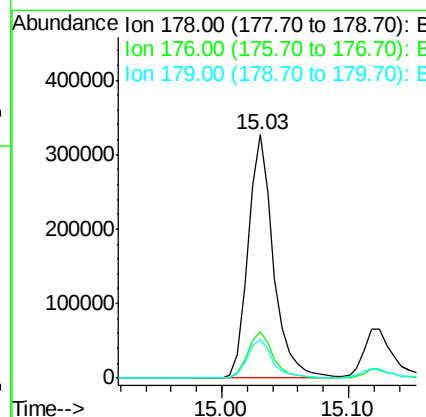
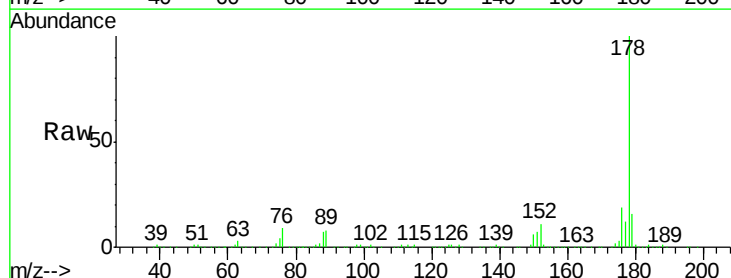
Manual Integrations
 APPROVED

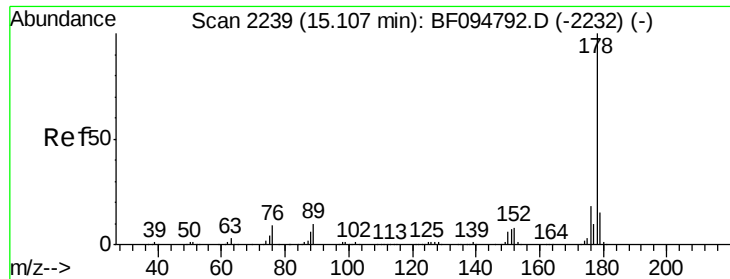
mohammad
 5/31/2017 5:02:21 PM



#70
 Phenanthrene
 Concen: 26.79 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BF095534.D
 Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	16.2	24.4
179	15.8	12.6	19.0





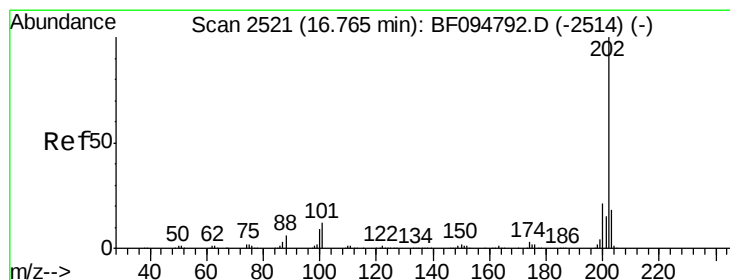
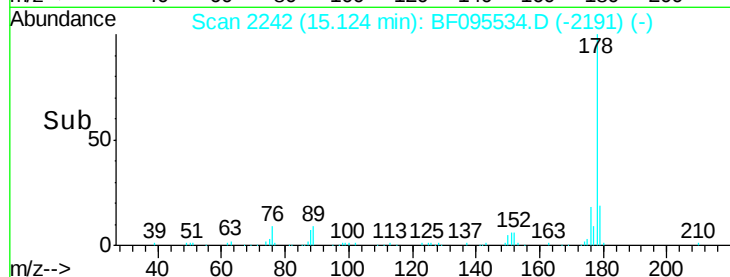
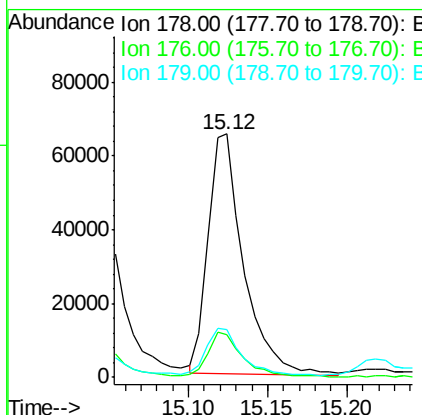
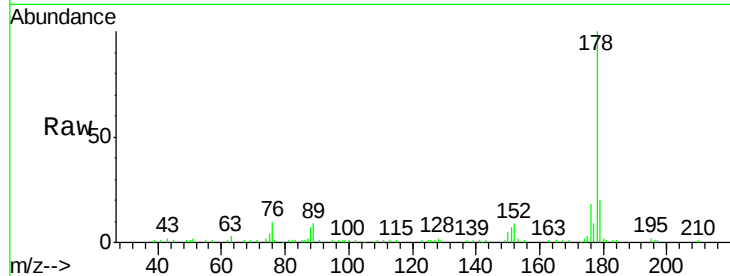
#71
 Anthracene
 Concen: 5.90 ng m
 RT: 15.12 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF095534.D
 Acq: 30 May 2017 14:31

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP8-SS3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	19.8	12.7	19.1

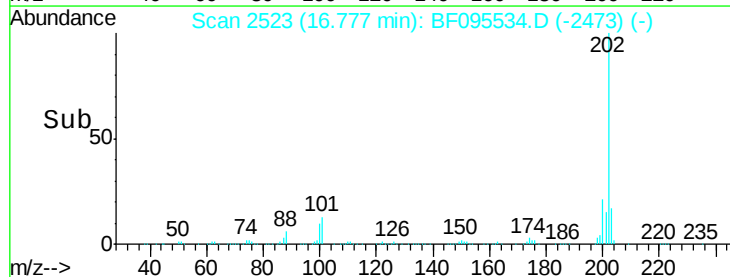
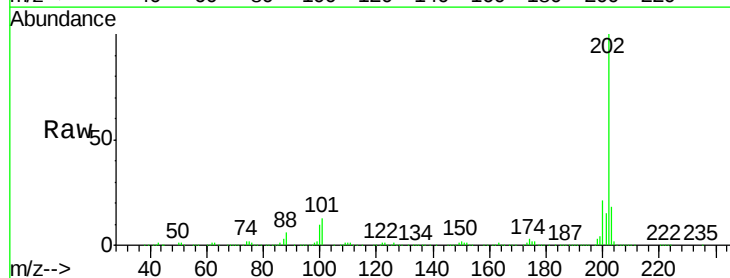
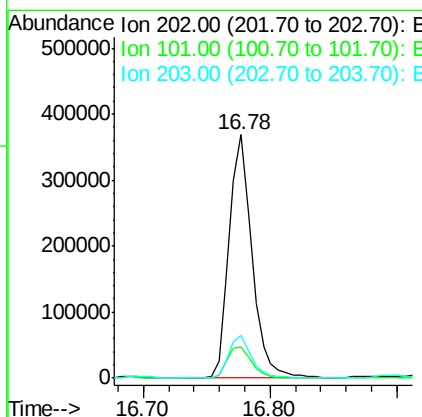
Manual Integrations
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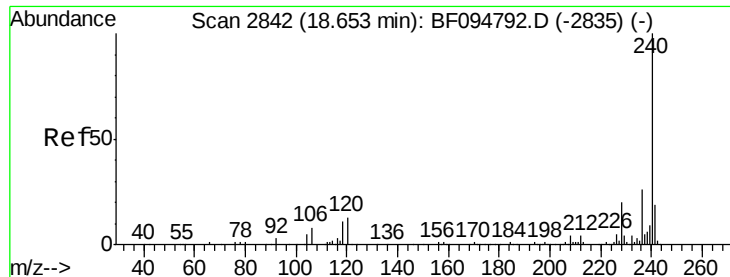
mohammad
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#74
 Fluoranthene
 Concen: 26.47 ng
 RT: 16.78 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BF095534.D
 Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095534.D

Acq: 30 May 2017 14:31

Instrument :

BNA_F

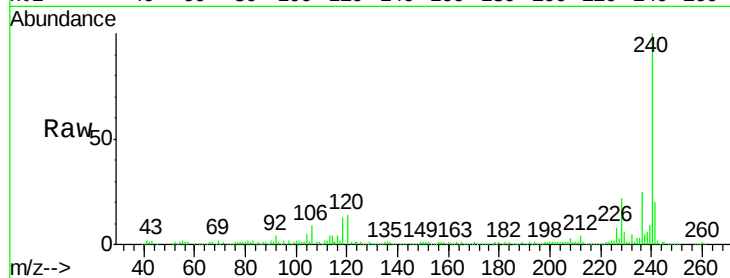
ClientSampleId :

R1-TP8-SS3

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	202256		
120	14.2	5.8	8.8#	
236	25.2	20.5	30.7	

Manual Integrations
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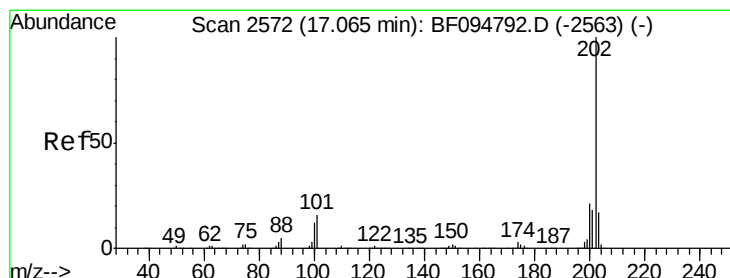
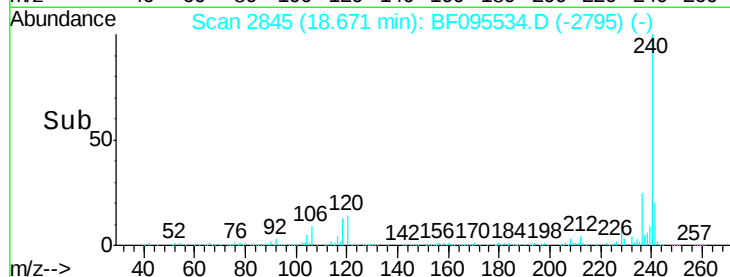
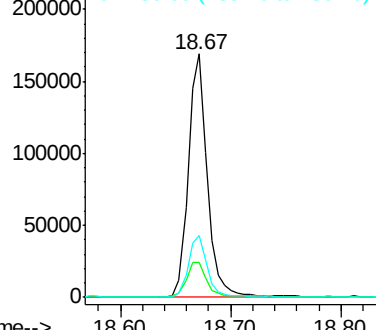
mohammad
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 26.86 ng

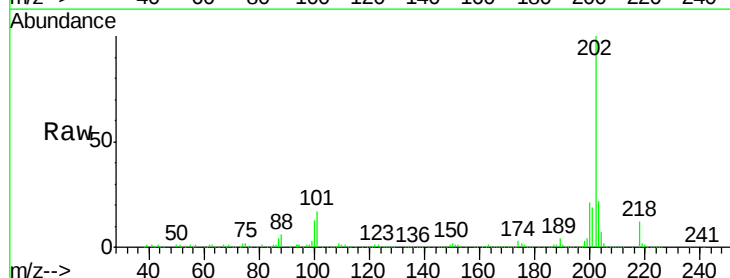
RT: 17.08 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF095534.D

Acq: 30 May 2017 14:31

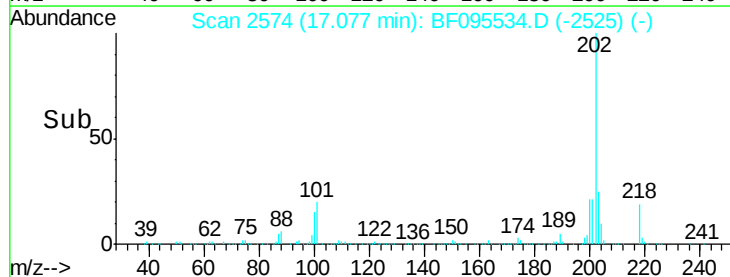
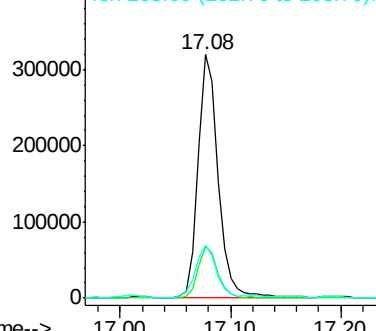
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	406305		
200	21.3	17.6	26.4	
203	21.9	14.4	21.6#	

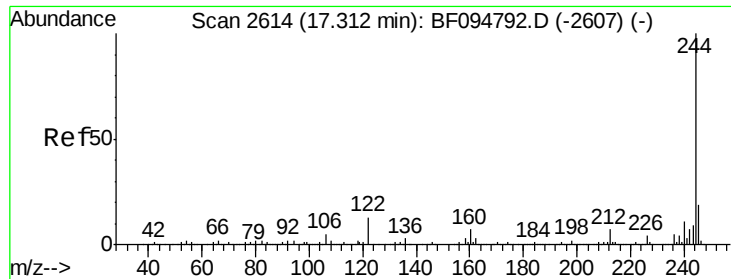


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





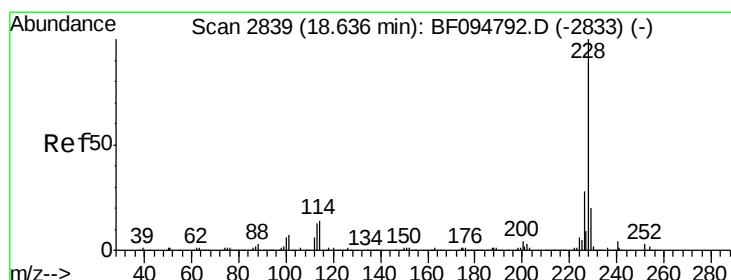
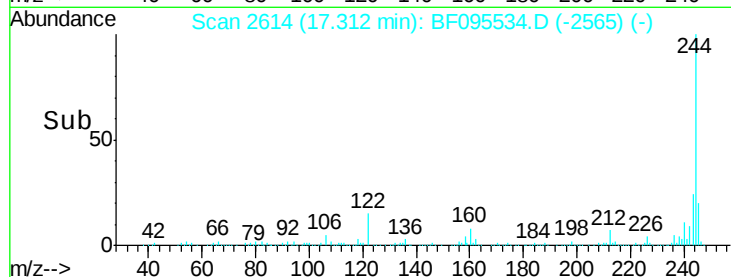
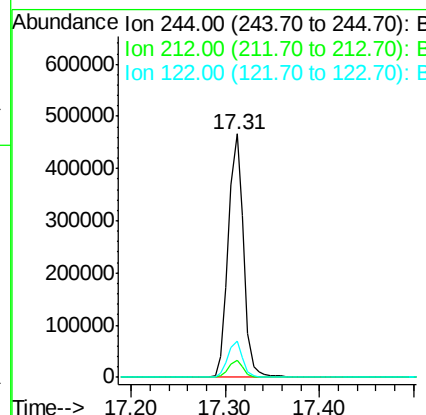
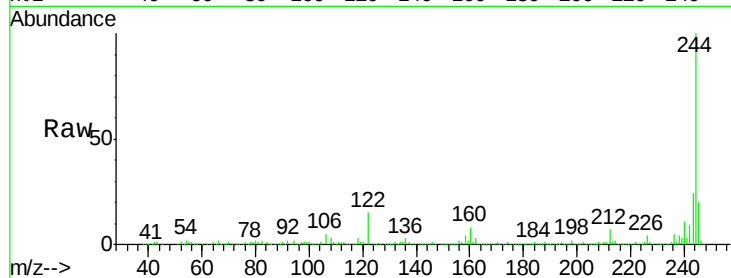
#78
 Terphenyl-d14
 Concen: 57.80 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095534.D
 Acq: 30 May 2017 14:31

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP8-SS3

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.9	10.3	15.5

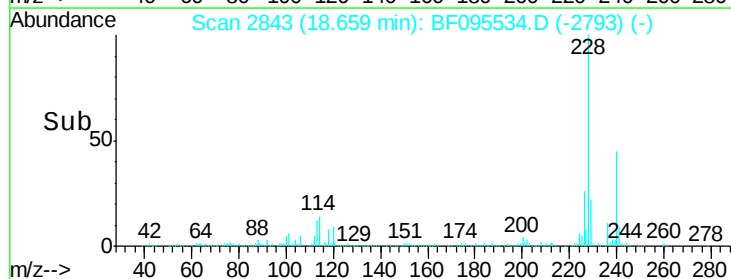
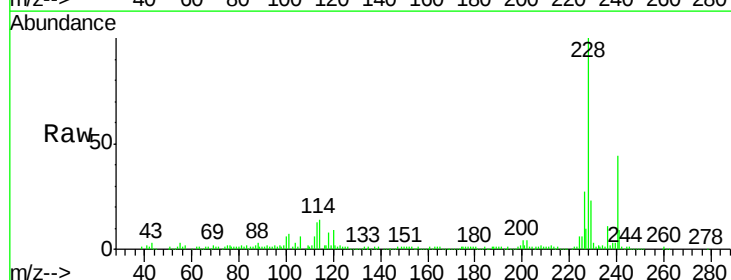
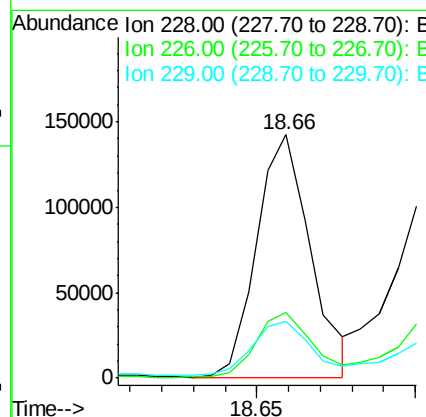
Manual Integrations
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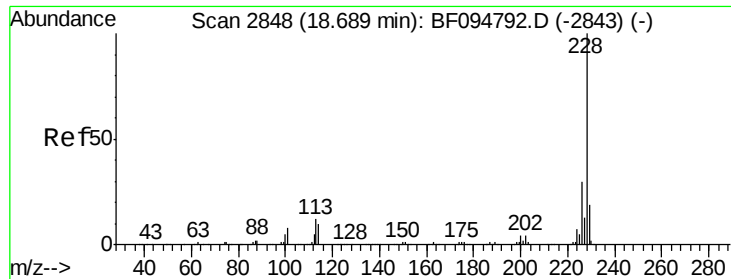
mohammad
 5/31/2017 5:02:21 PM



#80
 Benzo(a)anthracene
 Concen: 14.22 ng
 RT: 18.66 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BF095534.D
 Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	23.4	16.3	24.5





#82

Chrysene

Concen: 14.59 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095534.D

Acq: 30 May 2017 14:31

Instrument :

BNA_F

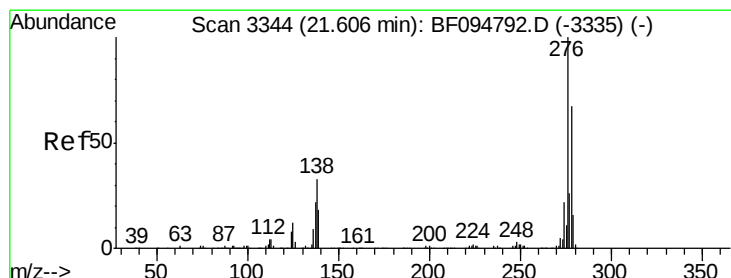
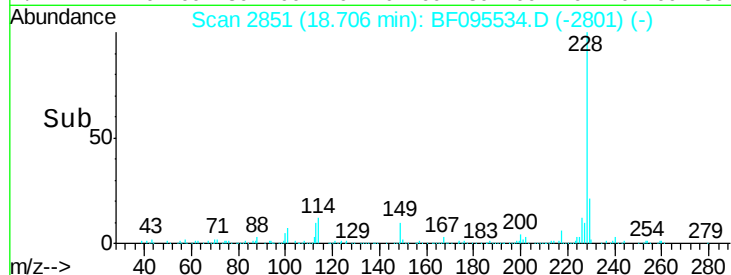
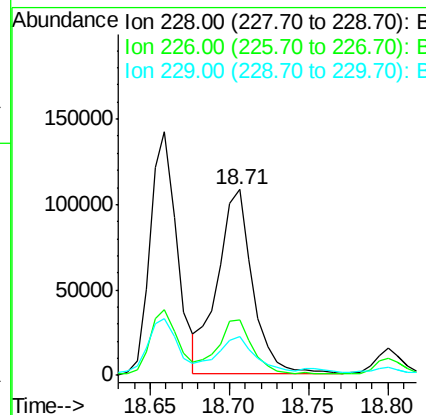
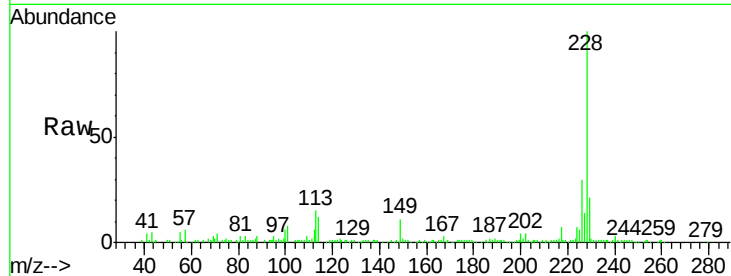
ClientSampleId :

R1-TP8-SS3

Tgt Ion:	228	Resp:	166059
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.9	37.3
229	21.1	15.8	23.6

Manual Integrations
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mohammad
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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.65 ng

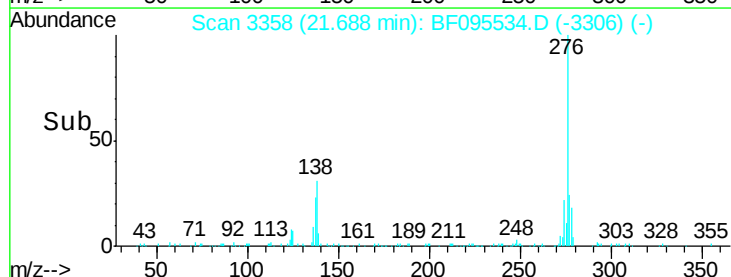
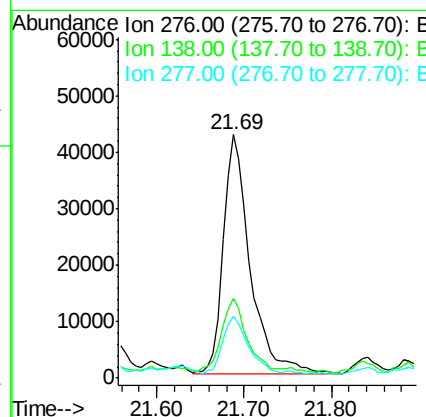
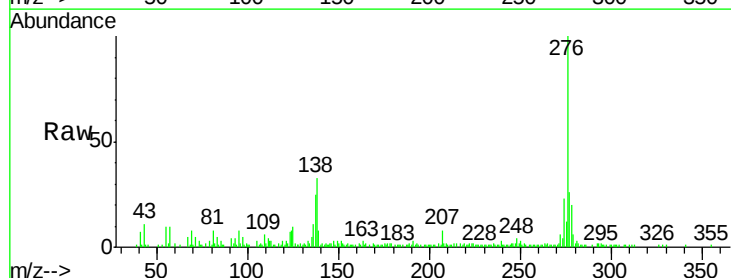
RT: 21.69 min Scan# 3358

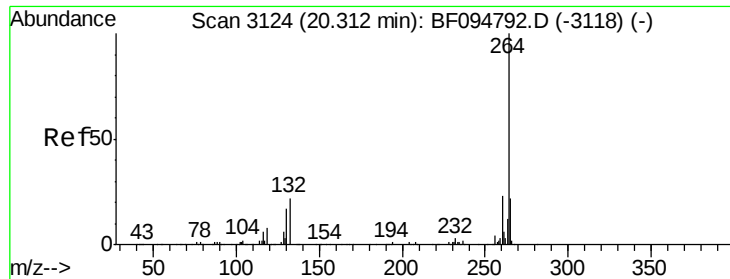
Delta R.T. 0.01 min

Lab File: BF095534.D

Acq: 30 May 2017 14:31

Tgt Ion:	276	Resp:	89235
Ion Ratio	Lower	Upper	
276	100		
138	27.8	27.8	41.6
277	22.7	20.2	30.4





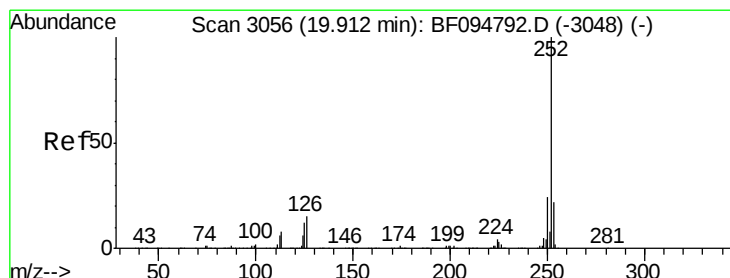
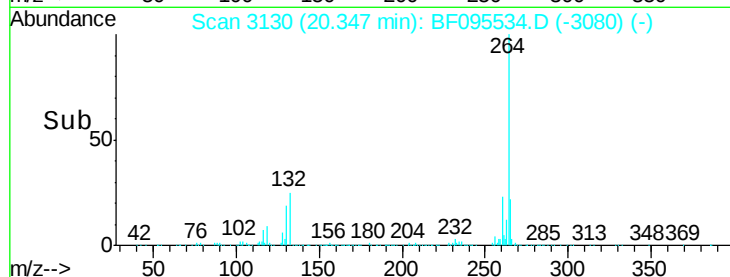
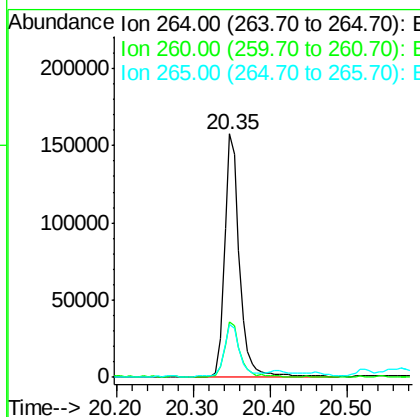
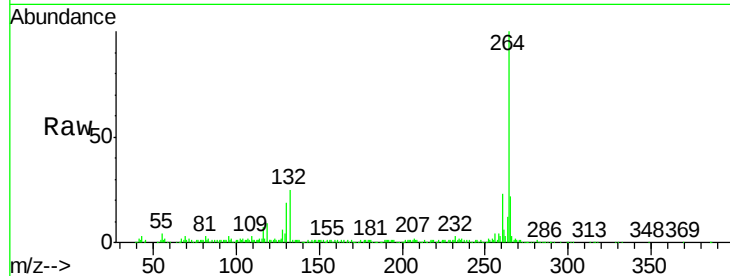
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Instrument :
BNA_F
ClientSampleId :
R1-TP8-SS3

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	214249		
260	23.0	19.5	29.3	
265	21.9	17.2	25.8	

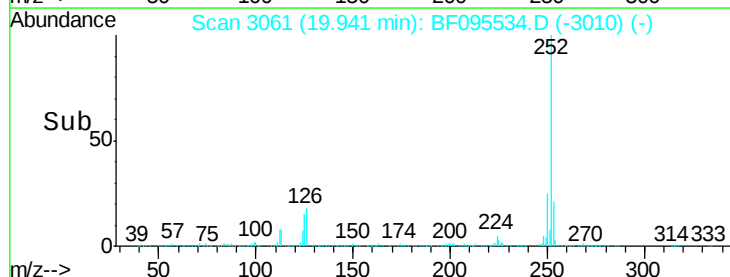
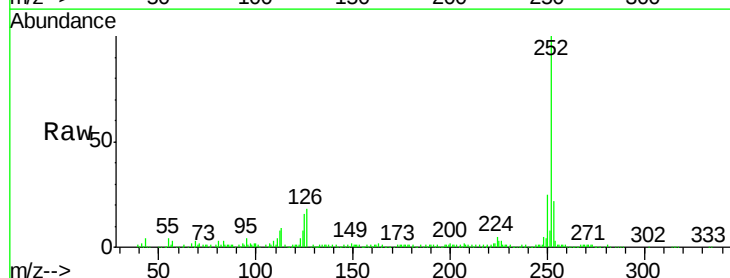
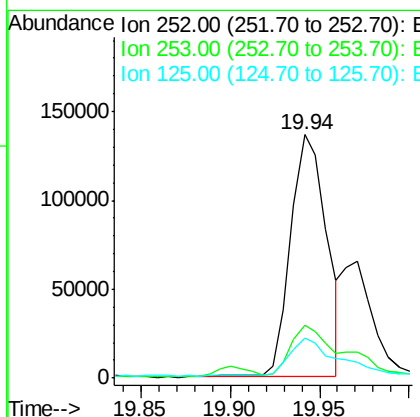
Manual Integrations
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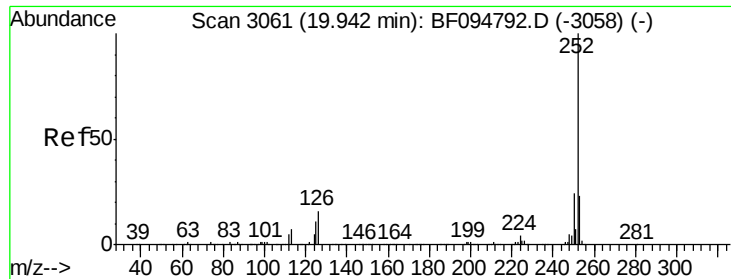
mohammad
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#87
Benzo(b)fluoranthene
Concen: 14.50 ng m
RT: 19.94 min Scan# 3061
Delta R.T. -0.00 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	191926		
253	21.8	18.1	27.1	
125	16.2	9.8	14.8#	





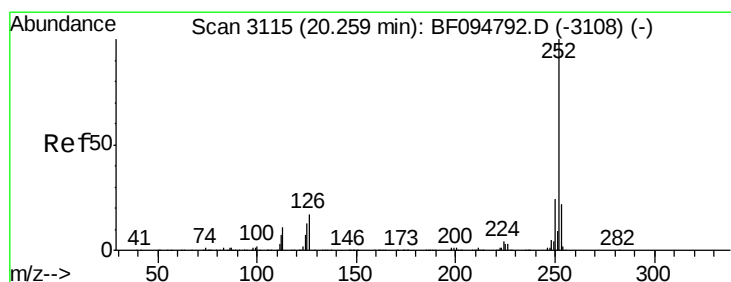
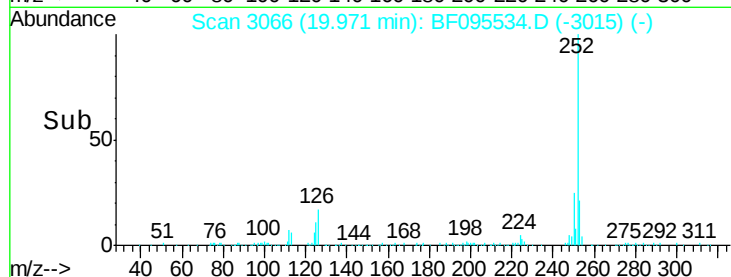
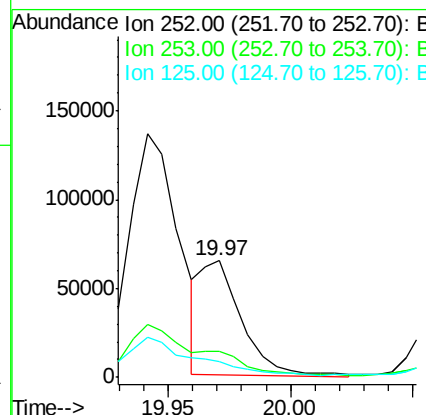
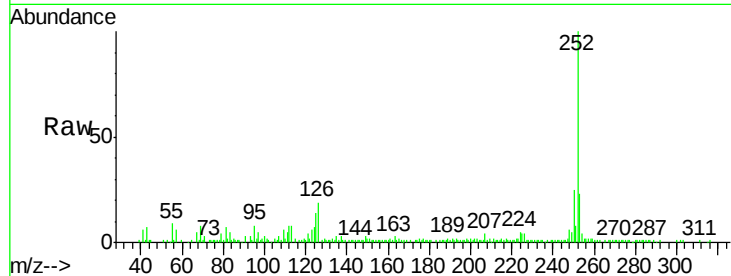
#88
Benzo(k)fluoranthene
Concen: 5.89 ng m
RT: 19.97 min Scan# 3066
Delta R.T. -0.00 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Instrument :
BNA_F
ClientSampleId :
R1-TP8-SS3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	13.8	13.1	19.7

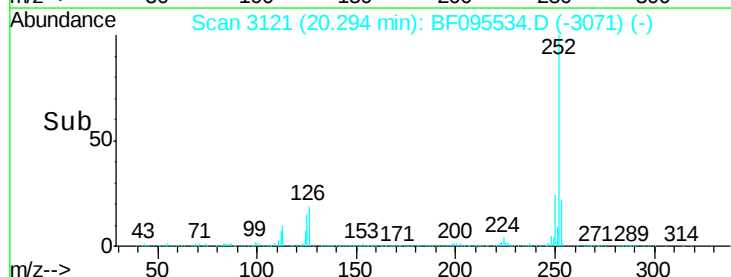
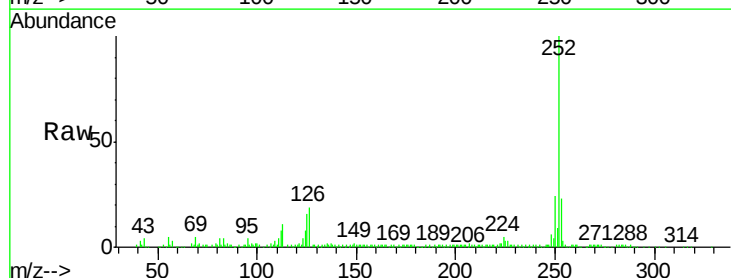
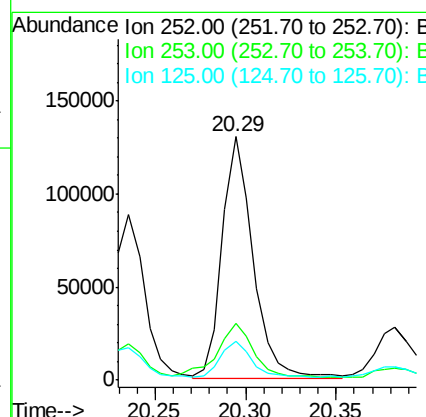
Manual Integrations
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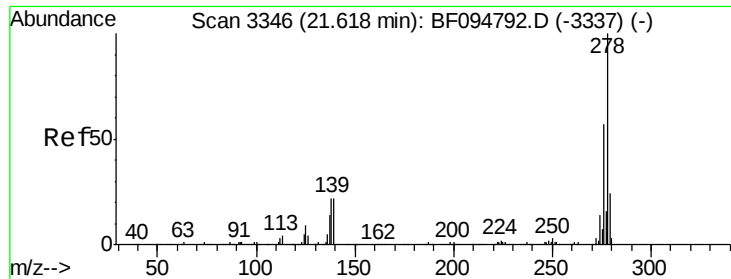
mohammad
5/31/2017 5:02:21 PM



#89
Benzo(a)pyrene
Concen: 12.64 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	16.1	11.0	16.4





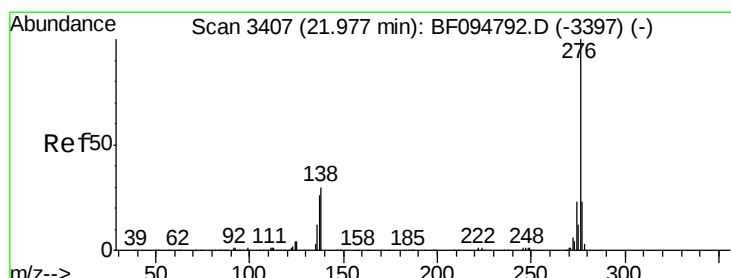
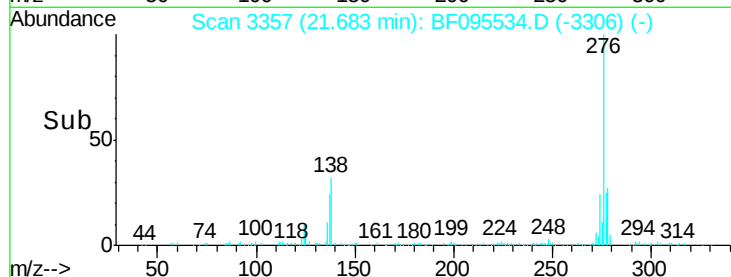
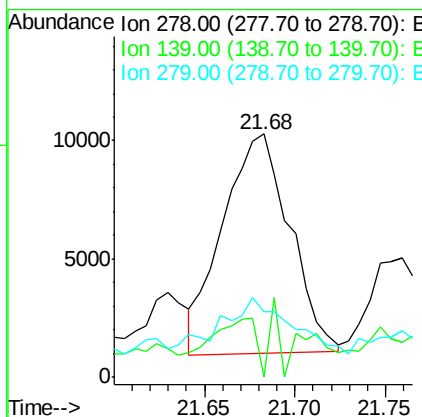
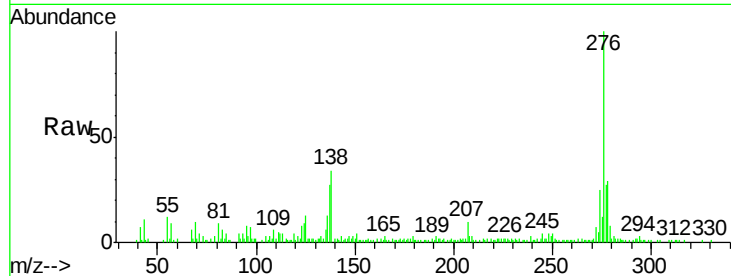
#90
Dibenzo(a,h)anthracene
Concen: 2.37 ng
RT: 21.68 min Scan# 3357
Delta R.T. -0.00 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Instrument :
BNA_F
ClientSampleId :
R1-TP8-SS3

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	27.2	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.20 ng
RT: 22.08 min Scan# 3424
Delta R.T. 0.01 min
Lab File: BF095534.D
Acq: 30 May 2017 14:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	33.2	25.4	38.0

