

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095574.D
 Acq On : 31 May 2017 20:40
 Operator : SJ/MA
 Sample : I3329-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)

Manual Integrations
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Quant Time: Jun 01 05:43:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 04:09:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	114286	20.00	ng	0.00
21) Naphthalene-d8	9.58	136	467377	20.00	ng	0.00
38) Acenaphthene-d10	12.41	164	198486	20.00	ng	0.00
63) Phenanthrene-d10	14.81	188	332033	20.00	ng	0.00
75) Chrysene-d12	18.51	240	191772	20.00	ng	0.00
86) Perylene-d12	20.18	264	212287	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	630931	92.04	ng	0.00
7) Phenol-d6	7.10	99	808719	98.33	ng	0.00
23) Nitrobenzene-d5	8.47	82	430443	58.08	ng	0.00
41) 2,4,6-Tribromophenol	13.71	330	117467	72.26	ng	0.00
44) 2-Fluorobiphenyl	11.36	172	788702	57.19	ng	0.00
78) Terphenyl-d14	17.16	244	467260	53.67	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.62	128	200492	8.54	ng	99
37) 2-Methylnaphthalene	10.75	142	63844	4.14	ng	97
49) Dimethylphthalate	12.05	163	149778	9.19	ng	99
51) Acenaphthene	12.46	154	136529	10.82	ng	98
54) Dibenzofuran	12.75	168	178979	10.25	ng	95
57) Fluorene	13.30	166	154663	10.18	ng	99
70) Phenanthrene	14.87	178	2113353	110.78	ng	99
71) Anthracene	14.94	178	559824	28.73	ng	97
72) Carbazole	15.22	167	266610	15.04	ng	97
74) Fluoranthene	16.62	202	1945585	99.42	ng	99
77) Pyrene	16.92	202	1578595	110.06	ng	99
80) Benzo(a)anthracene	18.50	228	631116	56.55	ng	99
82) Chrysene	18.54	228	539664	50.01	ng	97
85) Indeno(1,2,3-cd)pyrene	21.42	276	285005	32.52	ng	94
87) Benzo(b)fluoranthene	19.78	252	713790m	54.42	ng	
88) Benzo(k)fluoranthene	19.80	252	198511m	15.69	ng	
89) Benzo(a)pyrene	20.12	252	508296	41.99	ng	98
90) Dibenzo(a,h)anthracene	21.42	278	64891m	6.49	ng	
91) Benzo(a,h,i)perylene	21.78	276	259397	26.44	ng	96

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

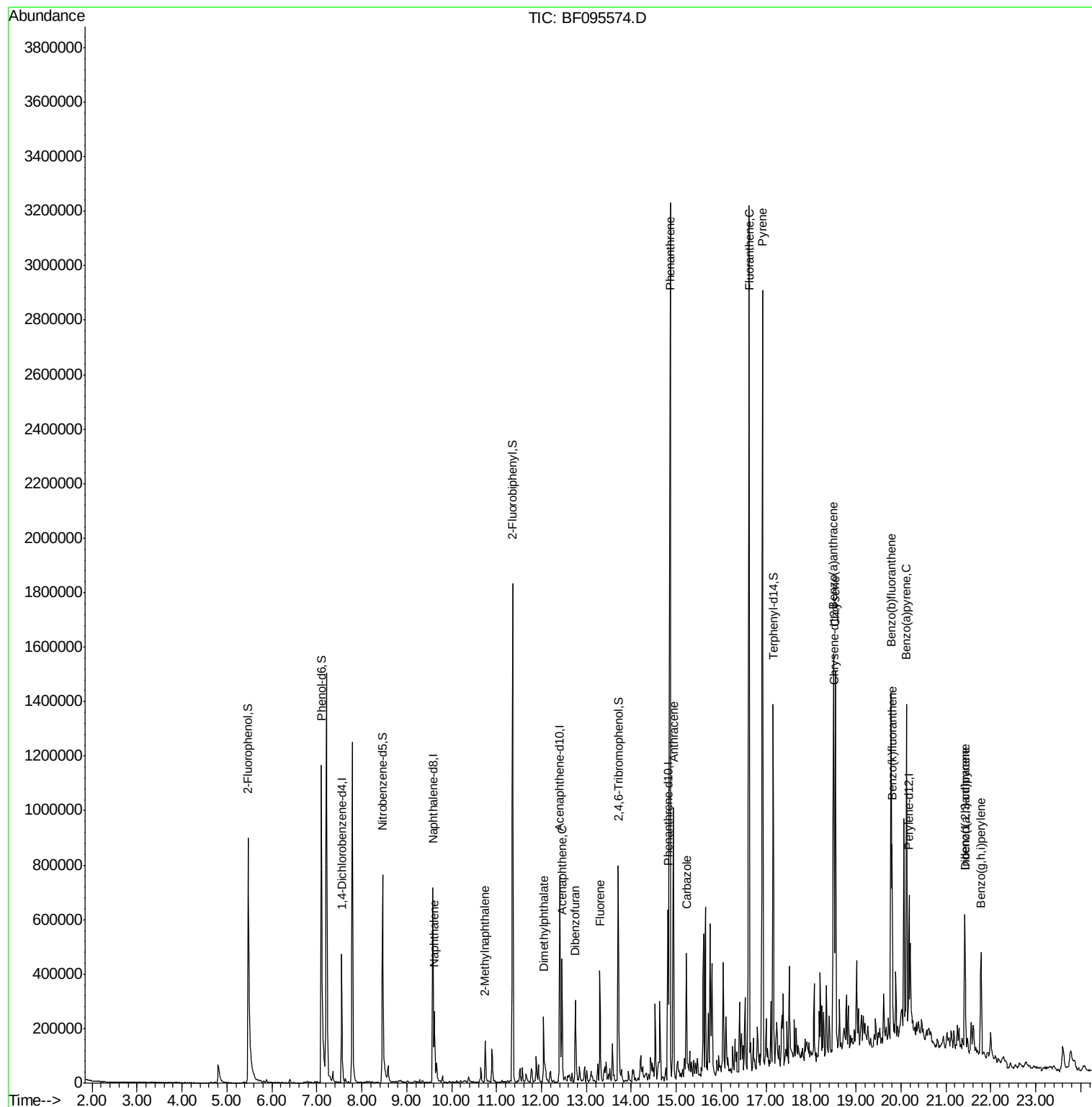
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
Data File : BF095574.D
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ALS Vial : 14 Sample Multiplier: 1

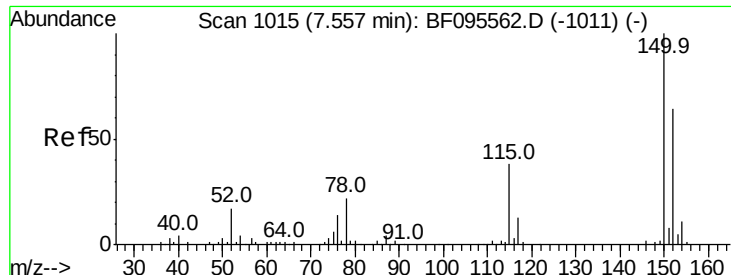
Instrument :
BNA_F
ClientSampleId :
B-18(0-5)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

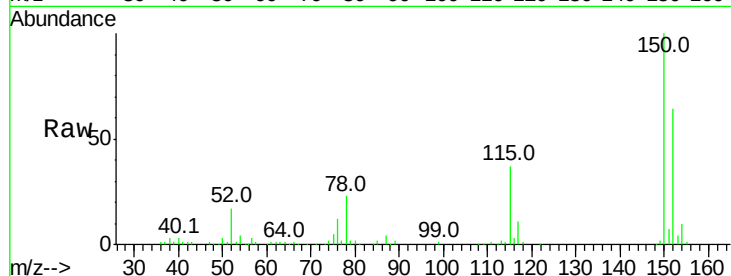
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 972
Delta R.T. -0.00 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)

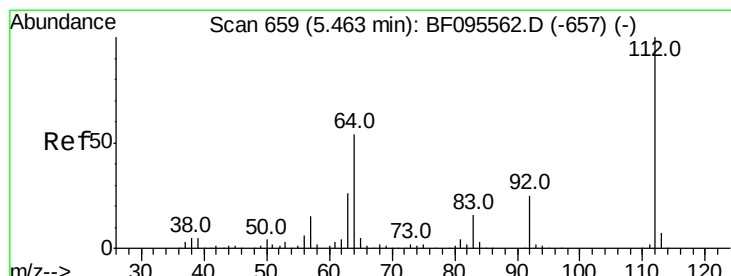
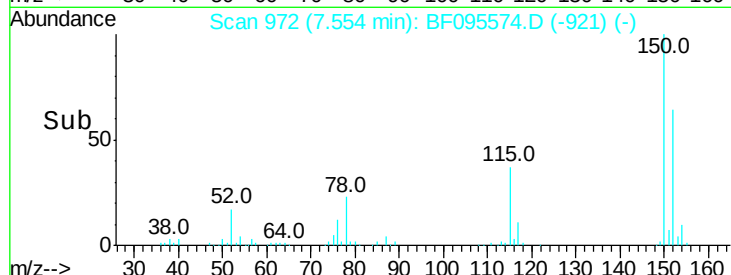
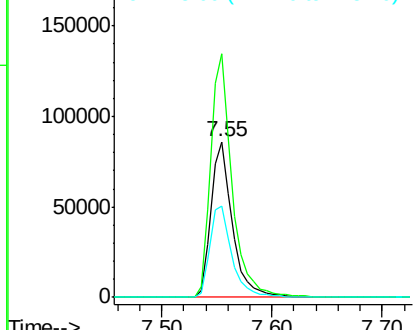
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	58.6	52.2	78.2

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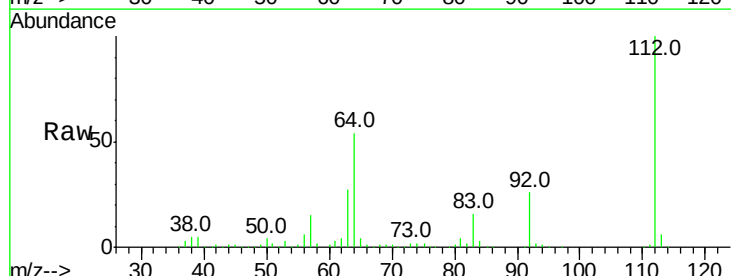
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



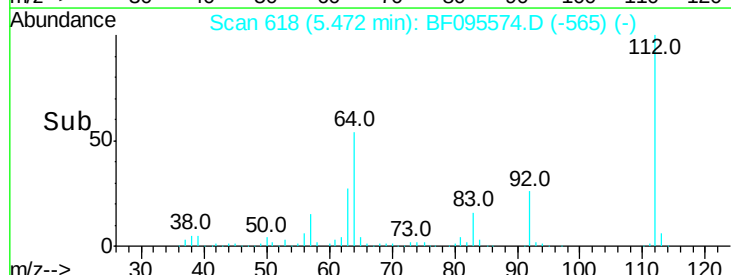
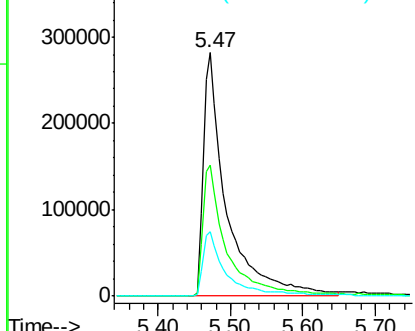
#5

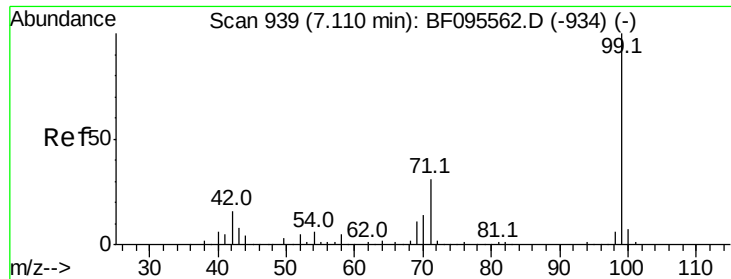
2-Fluorophenol
Concen: 92.04 ng
RT: 5.47 min Scan# 618
Delta R.T. 0.01 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	46.0	69.0
63	26.6	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: 98.33 ng

RT: 7.10 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF095574.D

Acq: 31 May 2017 20:40

Instrument :

BNA_F

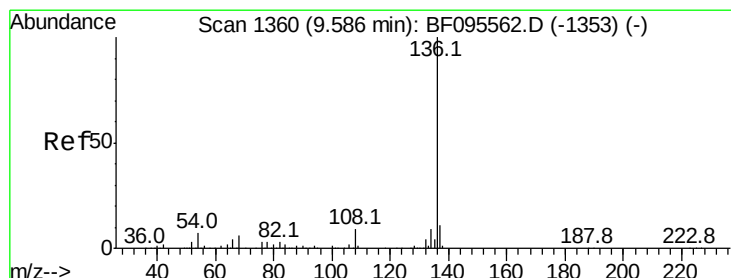
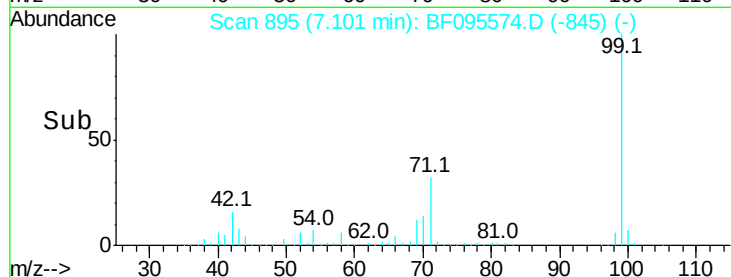
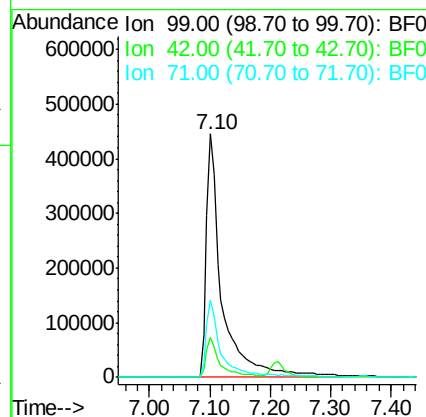
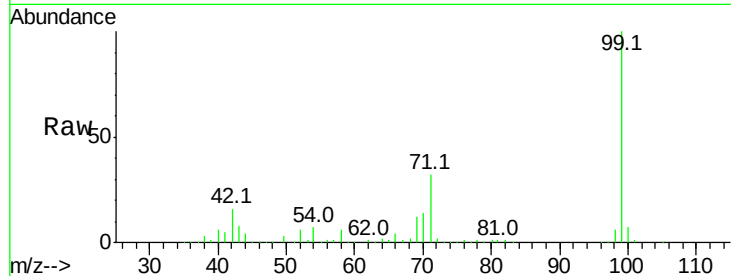
ClientSampled :

B-18(0-5)

Tot Ion:	99	Resp:	808719
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

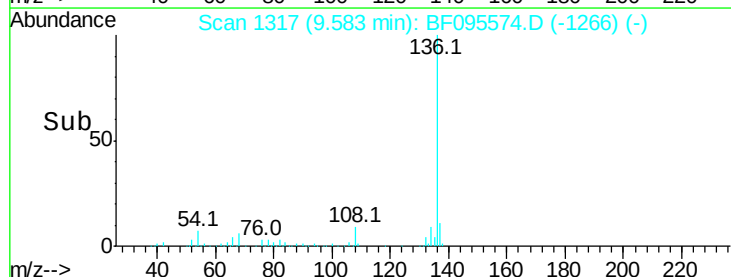
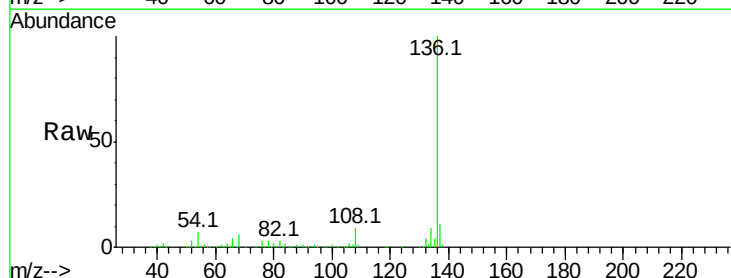
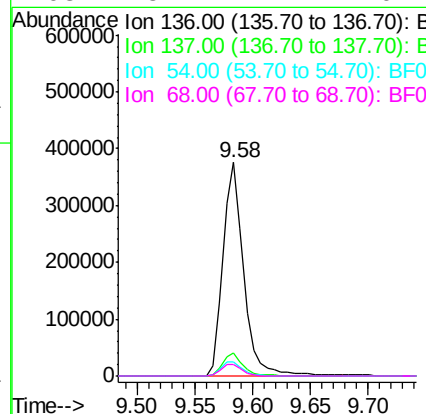
RT: 9.58 min Scan# 1317

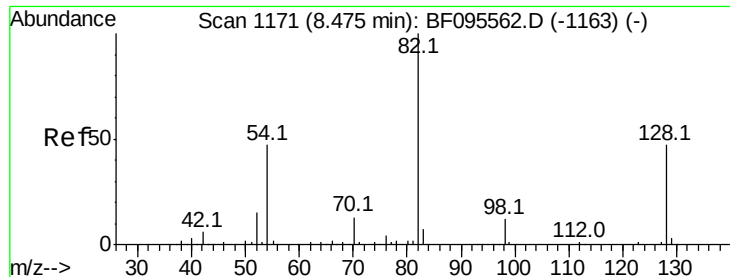
Delta R.T. -0.00 min

Lab File: BF095574.D

Acq: 31 May 2017 20:40

Tgt Ion:	136	Resp:	467377
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	6.6	4.9	7.3
68	5.7	4.1	6.1





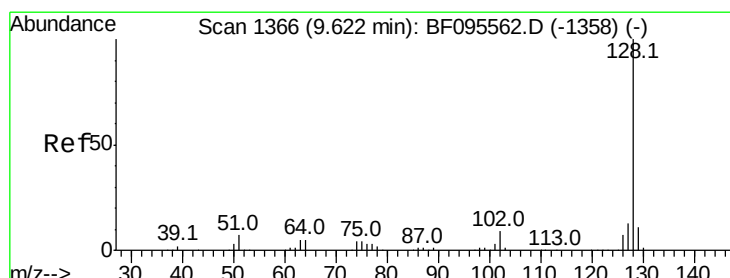
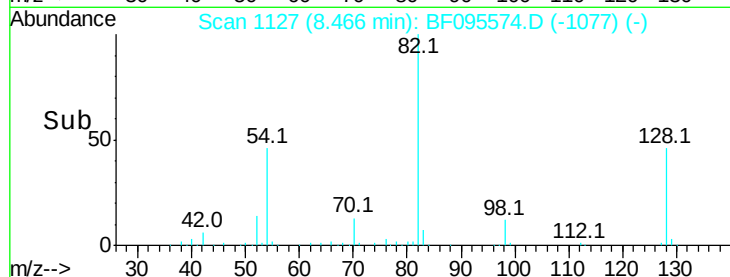
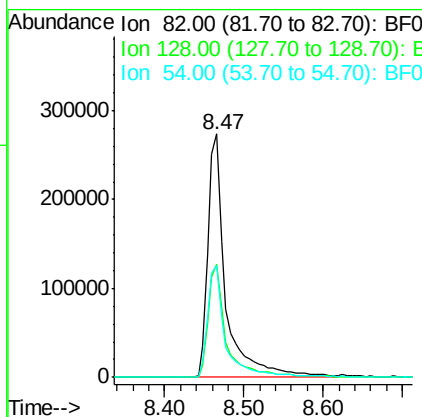
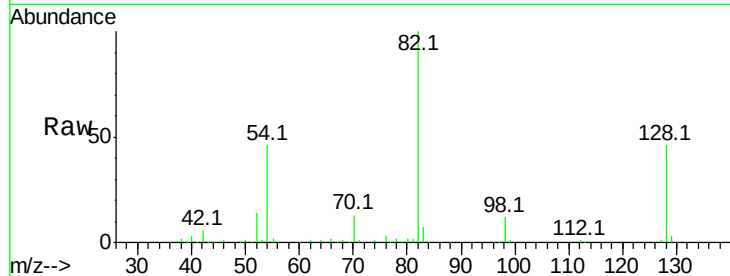
#23
Nitrobenzene-d5
Concen: 58.08 ng
RT: 8.47 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.0	51.0
54	45.7	42.2	63.2

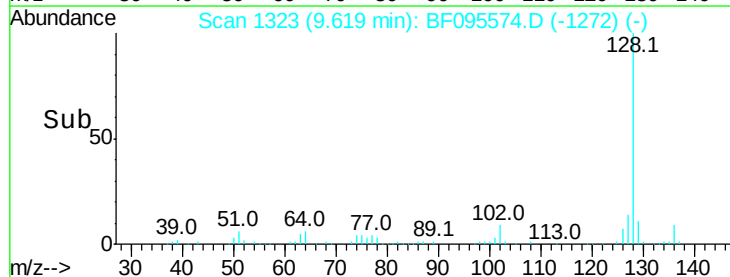
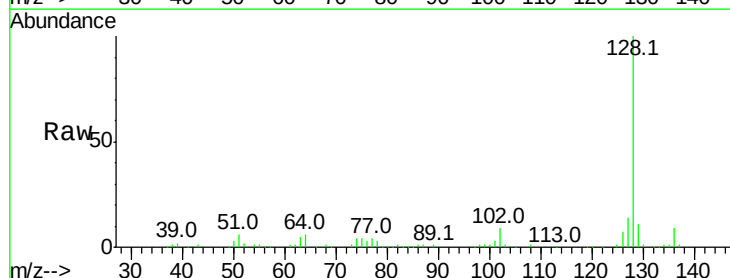
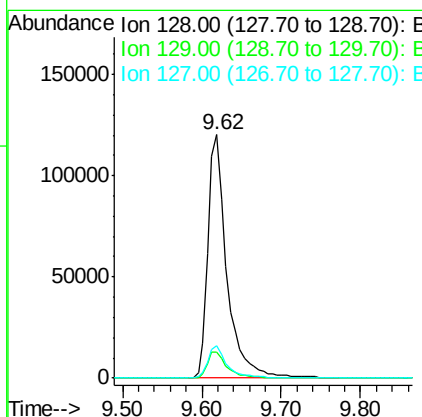
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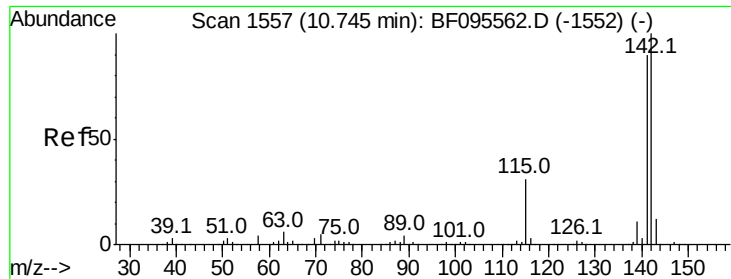
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#31
Naphthalene
Concen: 8.54 ng
RT: 9.62 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	13.6	10.8	16.2





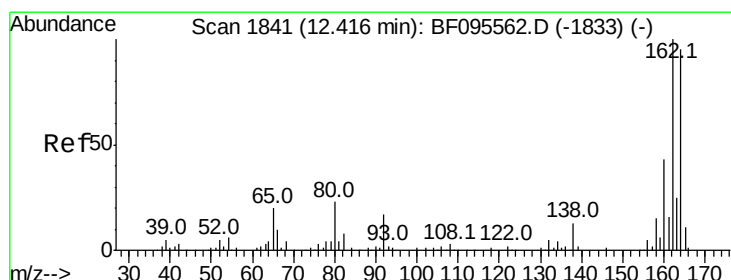
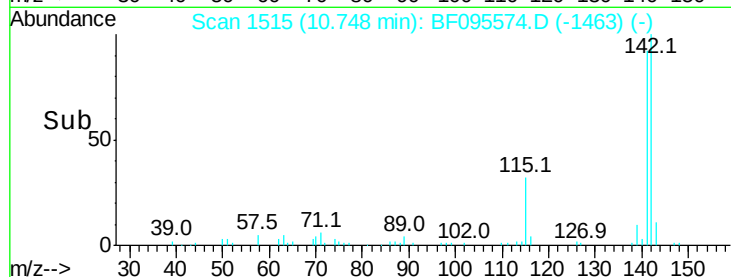
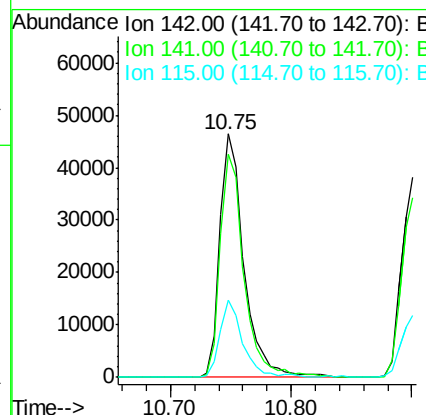
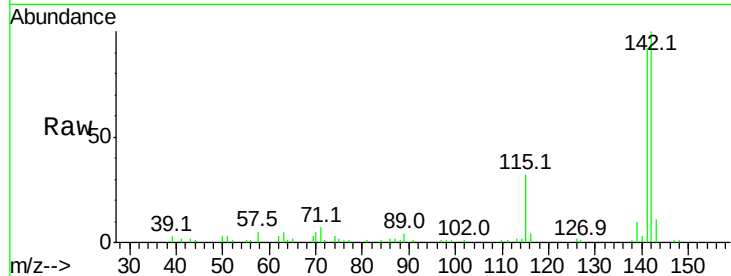
#37
 2-Methylnaphthalene
 Concen: 4.14 ng
 RT: 10.75 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: BF095574.D
 Acq: 31 May 2017 20:40

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.3	106.9
115	31.8	27.1	40.7

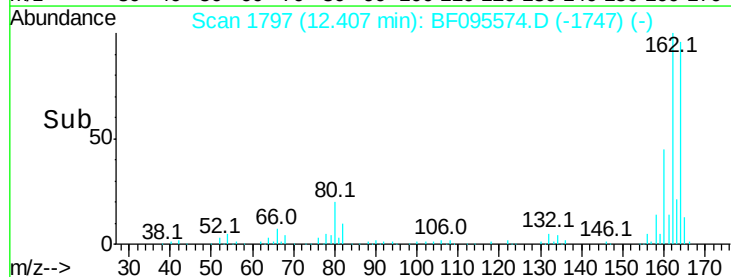
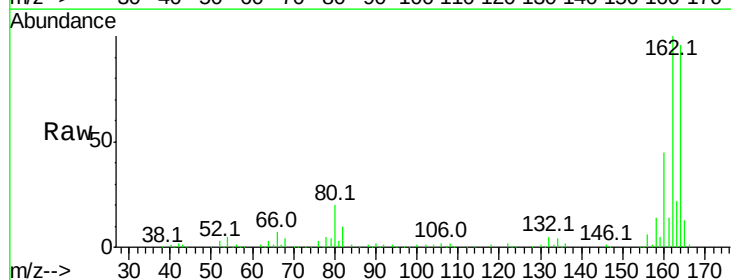
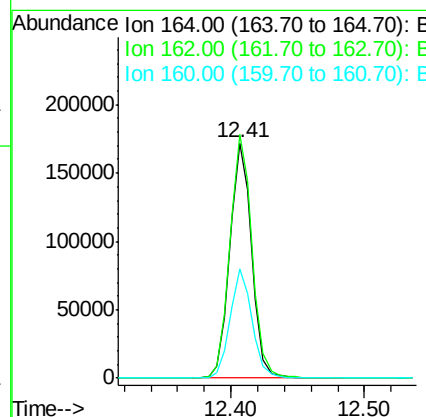
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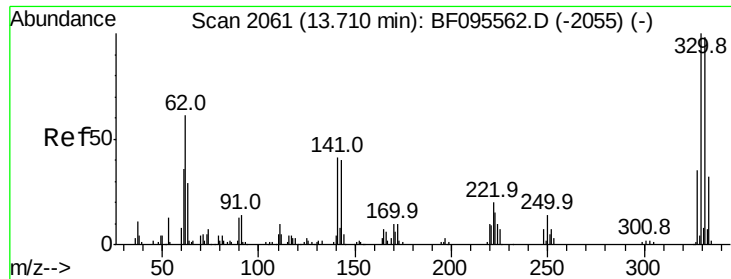
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.41 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BF095574.D
 Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	46.8	36.2	54.2





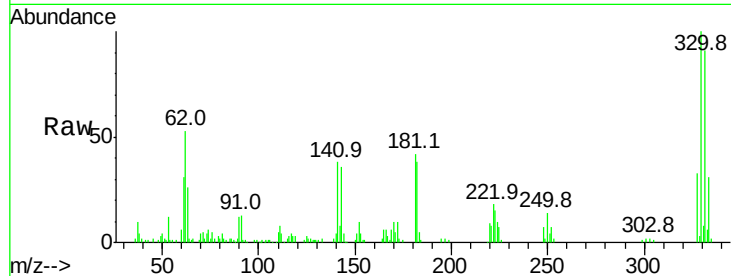
#41
 2,4,6-Tribromophenol
 Concen: 72.26 ng
 RT: 13.71 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: BF095574.D
 Acq: 31 May 2017 20:40

Instrument :
 BNA_F
 ClientSampled :
 B-18(0-5)

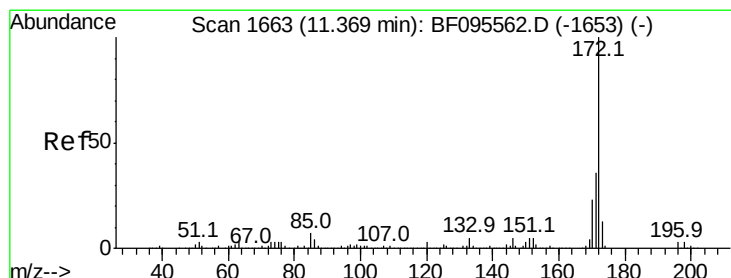
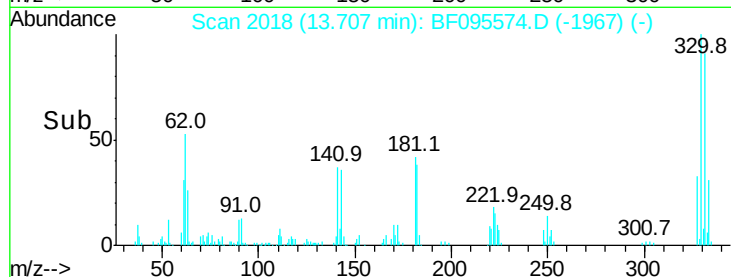
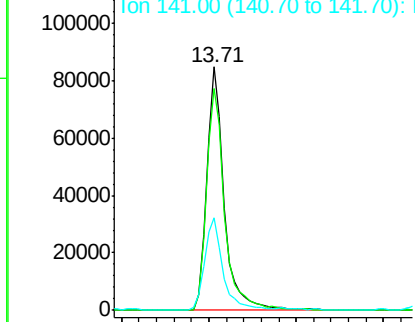
Tot Ion	Ratio	Resp	Lower	Upper
330	100	117467		
332	94.9	76.6	115.0	
141	39.9	31.4	47.2	

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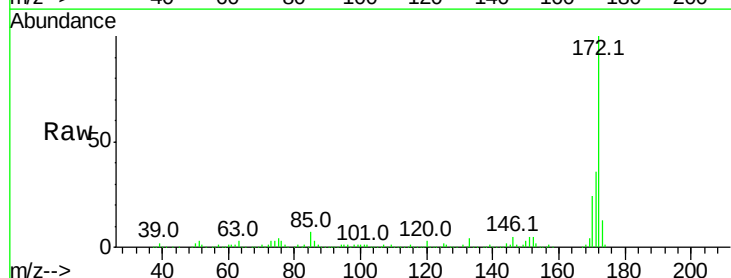


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

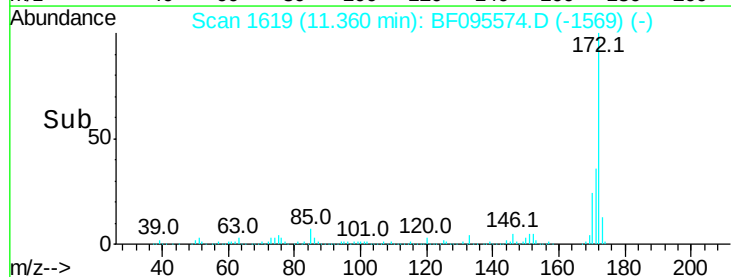
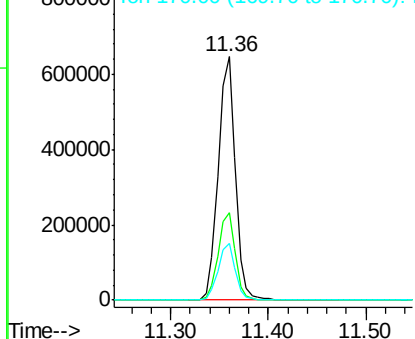


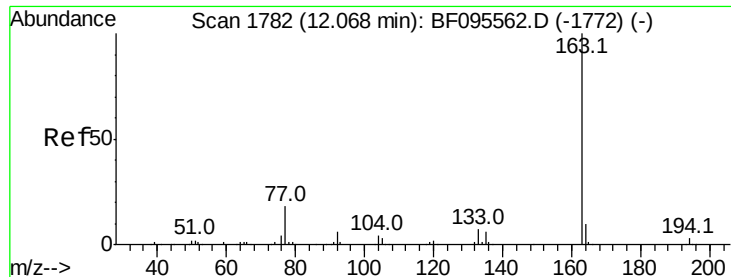
#44
 2-Fluorobiphenyl
 Concen: 57.19 ng
 RT: 11.36 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF095574.D
 Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	788702		
171	35.8	29.6	44.4	
170	23.6	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 9.19 ng

RT: 12.05 min Scan# 1737

Delta R.T. -0.01 min

Lab File: BF095574.D

Acq: 31 May 2017 20:40

Instrument :

BNA_F

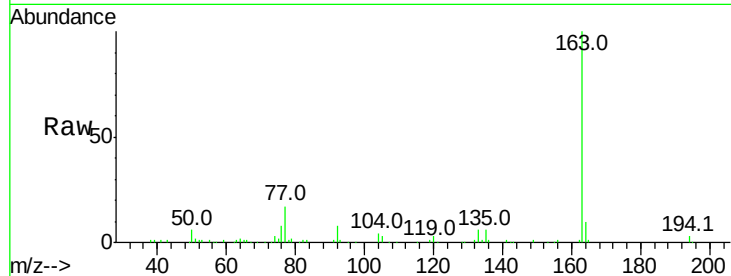
ClientSampled :

B-18(0-5)

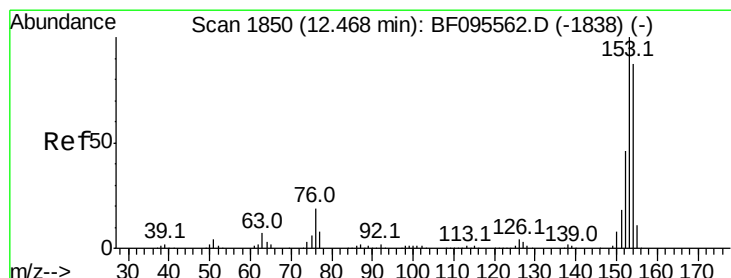
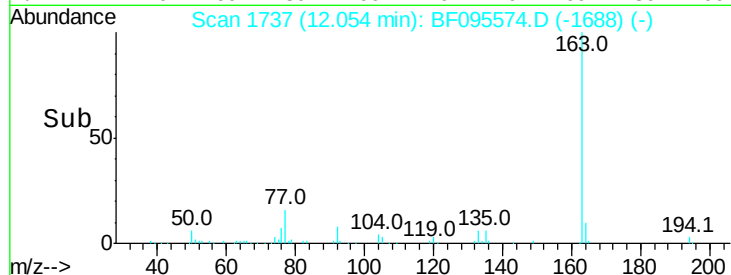
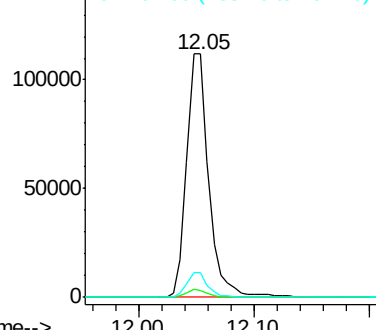
Tot Ion	Ratio	Resp	Lower	Upper
163	100	149778		
194	3.0	2.6	4.0	
164	9.9	8.4	12.6	

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 10.82 ng

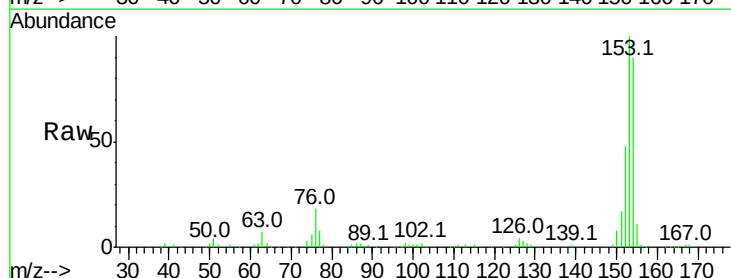
RT: 12.46 min Scan# 1806

Delta R.T. -0.01 min

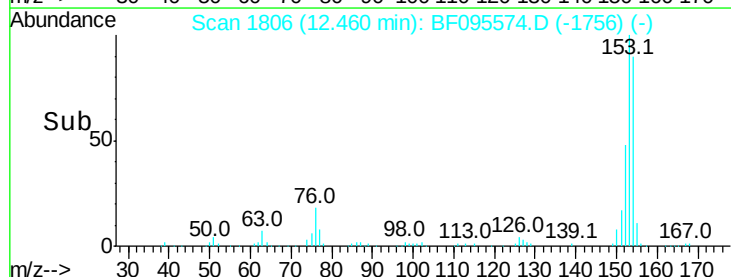
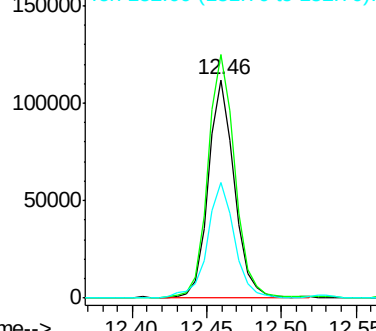
Lab File: BF095574.D

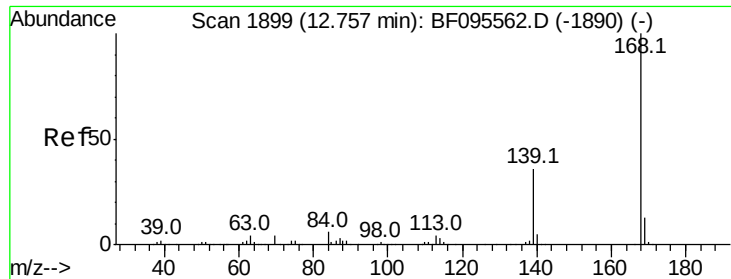
Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	136529		
153	111.5	90.5	135.7	
152	53.0	43.6	65.4	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





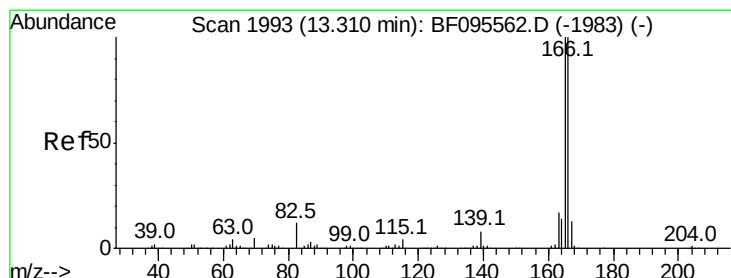
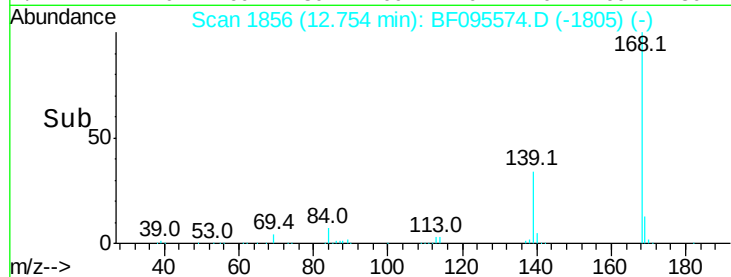
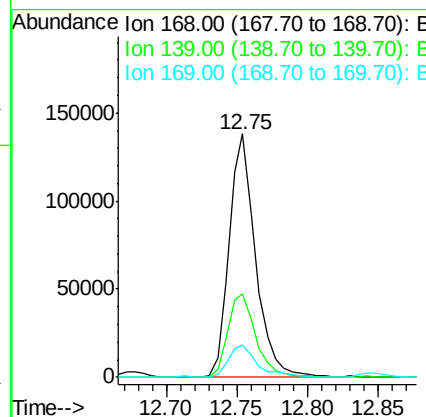
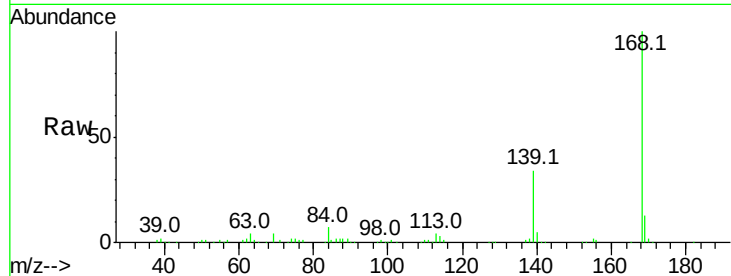
#54
Dibenzenofuran
Concen: 10.25 ng
RT: 12.75 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.2	30.6	45.8
169	13.1	10.8	16.2

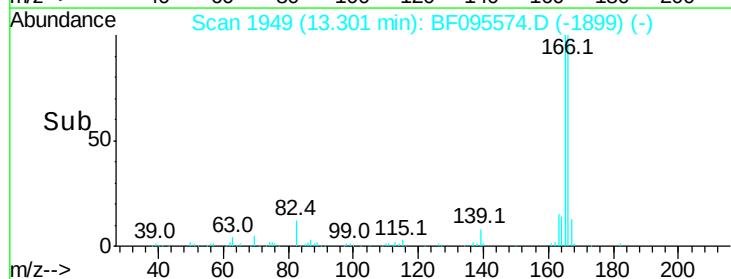
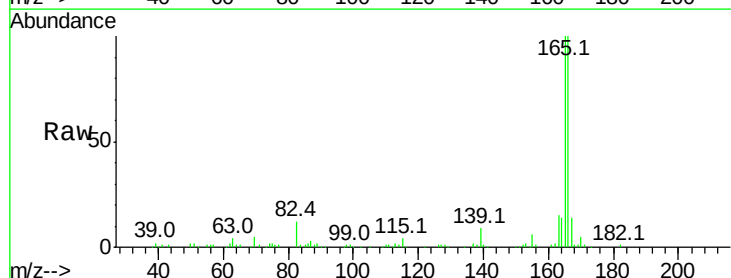
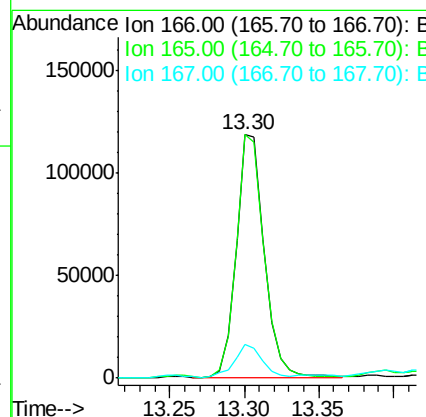
Manual Integrations
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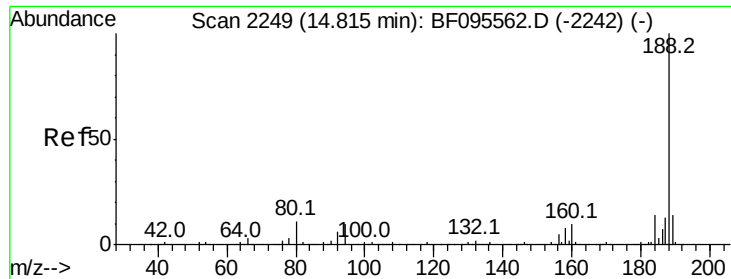
mohammad
6/1/2017 2:20:14 PM



#57
Fluorene
Concen: 10.18 ng
RT: 13.30 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.8	118.2
167	13.9	10.6	16.0





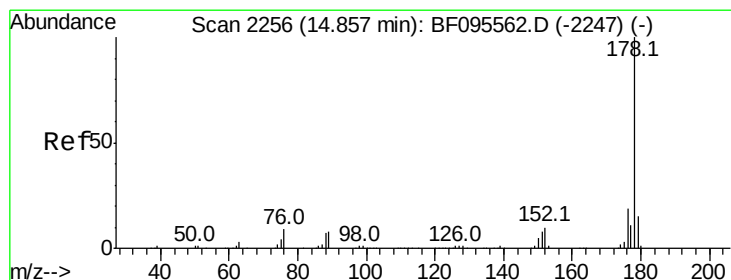
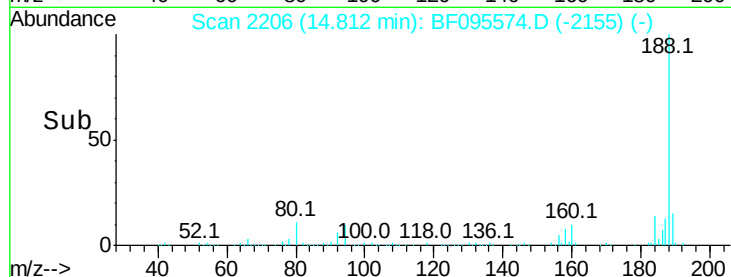
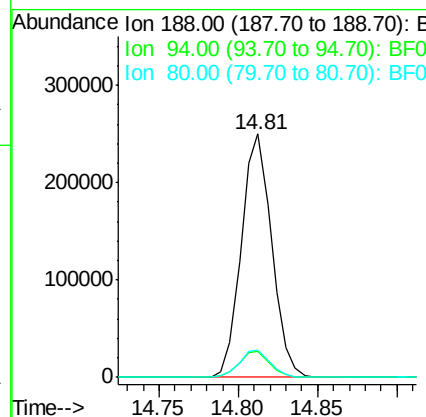
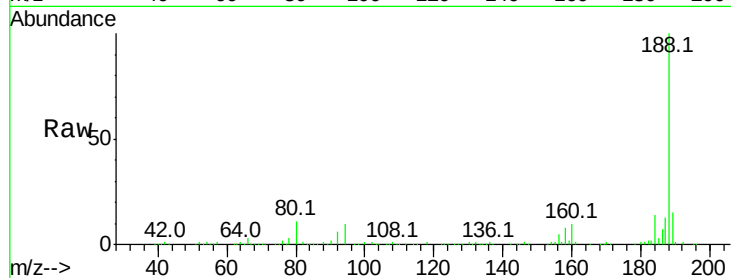
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.81 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BF095574.D
 Acq: 31 May 2017 20:40

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	9.4	14.2	
80	11.1	10.2	15.2	

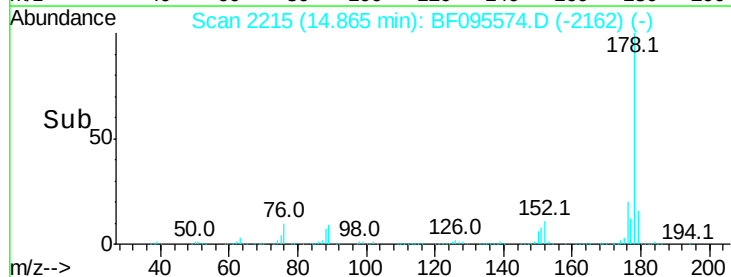
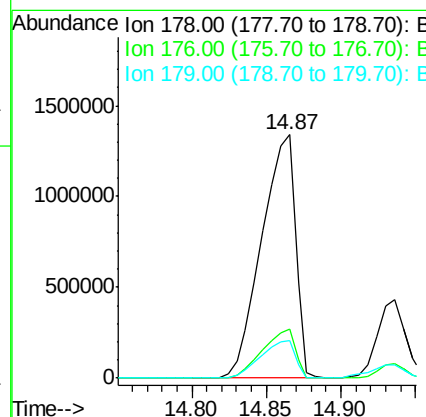
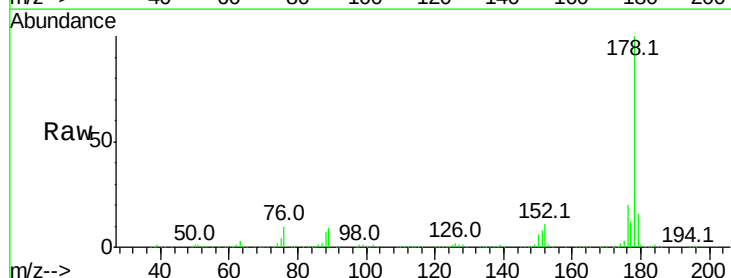
Manual Integrations
 APPROVED

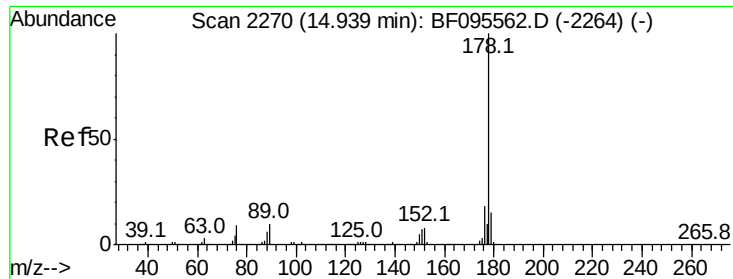
mohammad
 6/1/2017 2:20:14 PM



#70
 Phenanthrene
 Concen: 110.78 ng
 RT: 14.87 min Scan# 2215
 Delta R.T. 0.01 min
 Lab File: BF095574.D
 Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.9	16.2	24.4	
179	15.7	12.6	19.0	





#71

Anthracene

Concen: 28.73 ng

RT: 14.94 min Scan# 2227

Delta R.T. -0.00 min

Lab File: BF095574.D

Acq: 31 May 2017 20:40

Instrument :

BNA_F

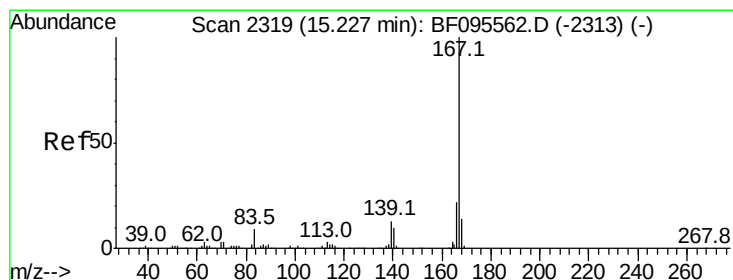
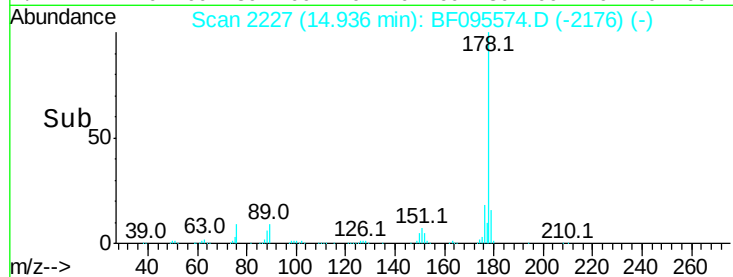
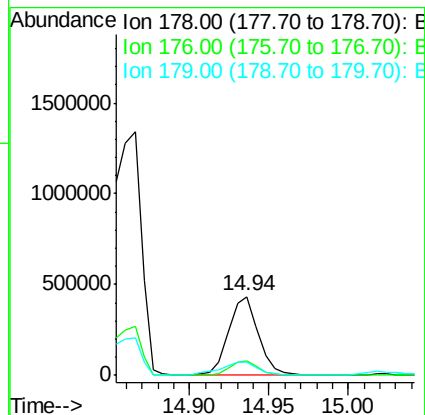
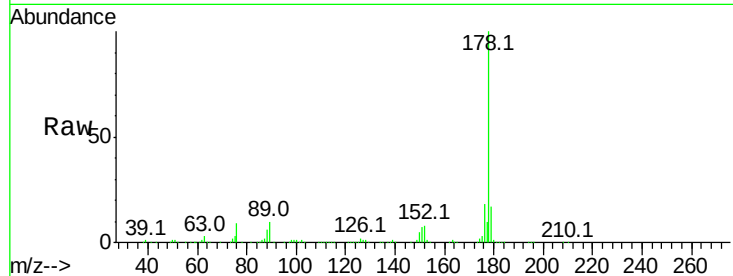
ClientSampleId :

B-18(0-5)

Tot Ion:	178	Resp:	559824
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.8	23.8
179	16.5	12.7	19.1

Manual Integrations
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#72

Carbazole

Concen: 15.04 ng

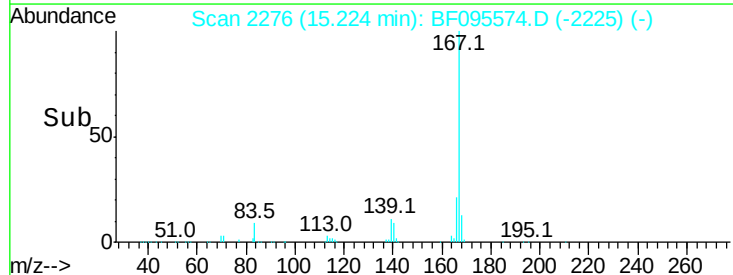
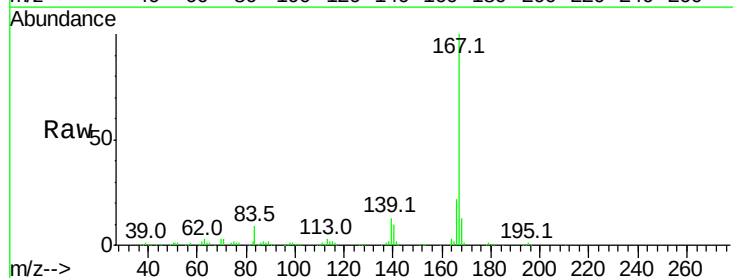
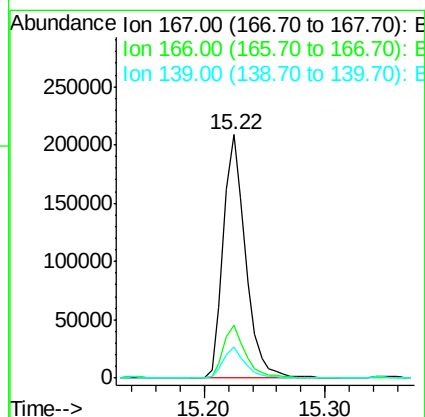
RT: 15.22 min Scan# 2276

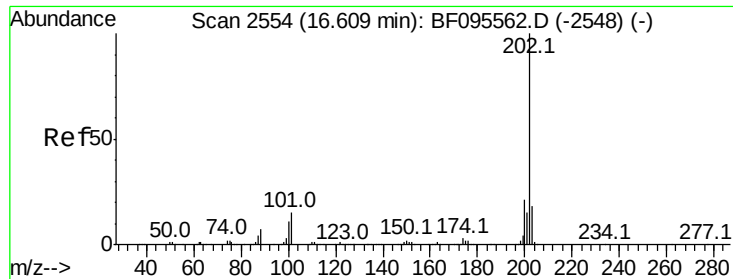
Delta R.T. -0.00 min

Lab File: BF095574.D

Acq: 31 May 2017 20:40

Tgt Ion:	167	Resp:	266610
Ion Ratio	Lower	Upper	
167	100		
166	21.5	18.1	27.1
139	12.6	11.7	17.5





#74

Fluoranthene

Concen: 99.42 ng

RT: 16.62 min Scan# 2514

Delta R.T. 0.01 min

Lab File: BF095574.D

Acq: 31 May 2017 20:40

Instrument :

BNA_F

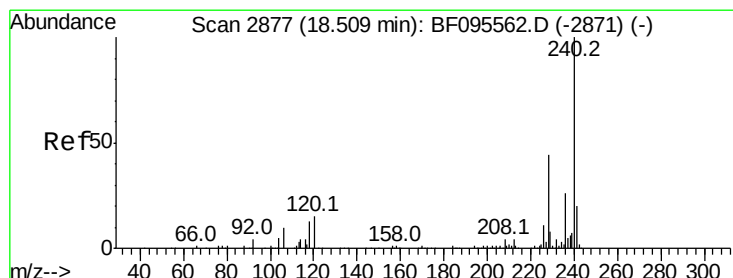
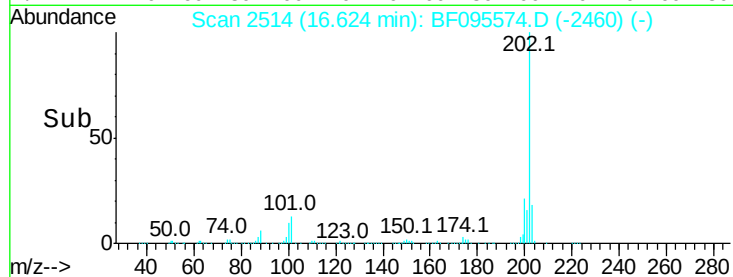
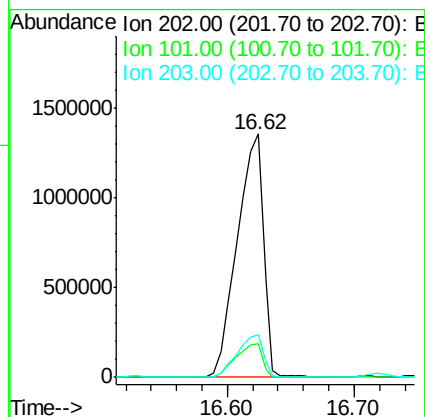
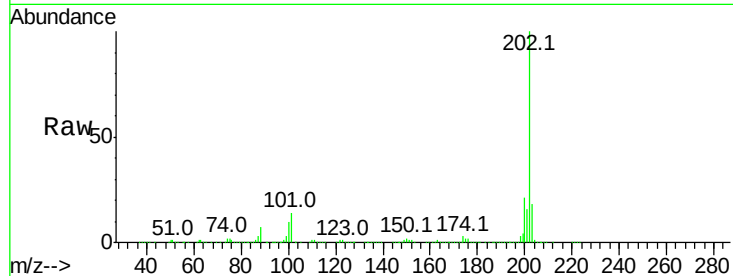
ClientSampleId :

B-18(0-5)

Tot Ion:	202	Resp:	1945585
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	33.2
203	17.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

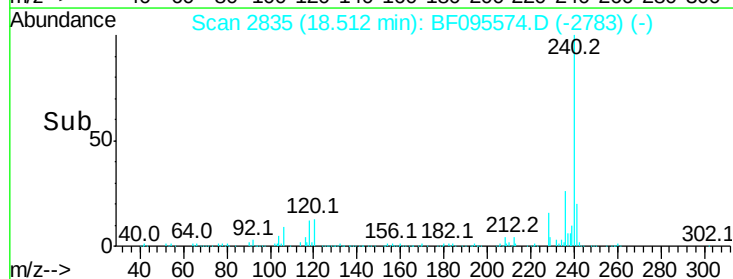
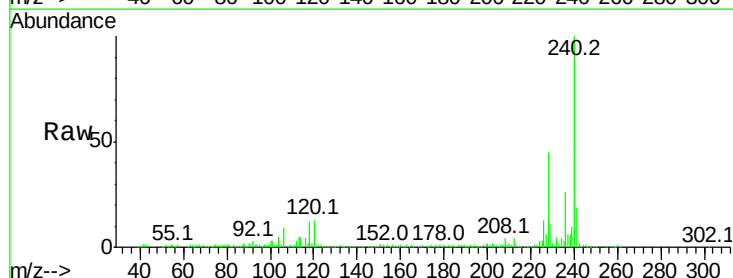
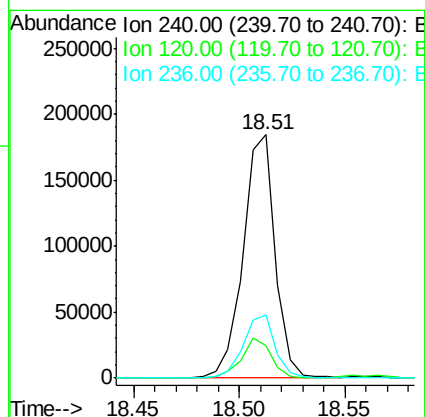
RT: 18.51 min Scan# 2835

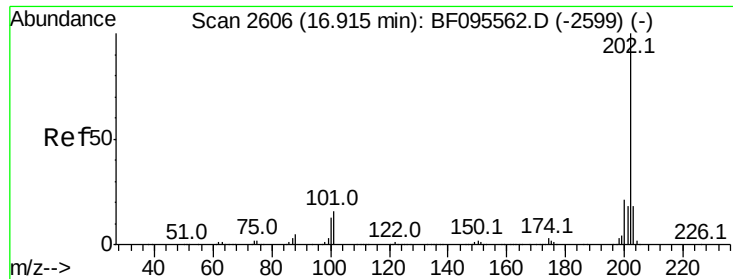
Delta R.T. 0.00 min

Lab File: BF095574.D

Acq: 31 May 2017 20:40

Tgt Ion:	240	Resp:	191772
Ion Ratio	Lower	Upper	
240	100		
120	13.3	5.8	8.8#
236	26.2	20.5	30.7





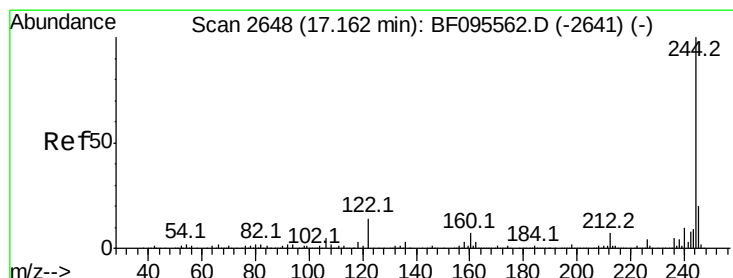
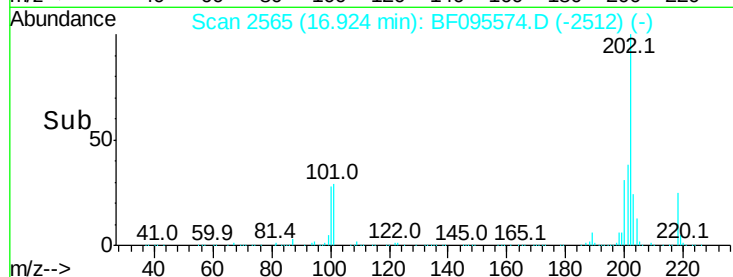
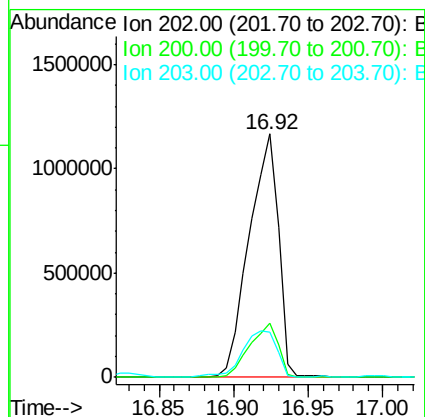
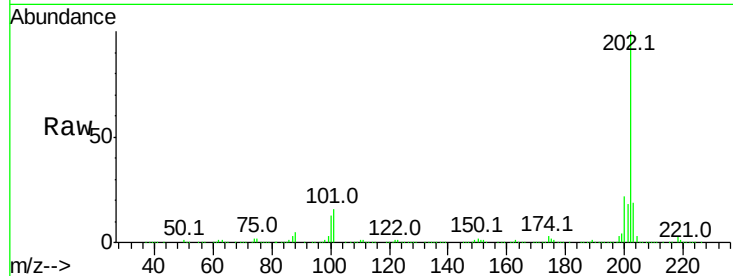
#77
Pvrene
Concen: 110.06 ng
RT: 16.92 min Scan# 2565
Delta R.T. 0.01 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	18.7	14.4	21.6

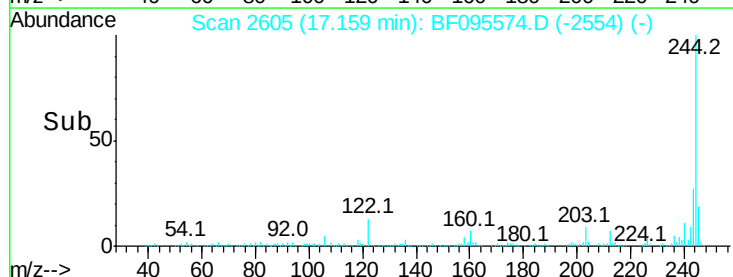
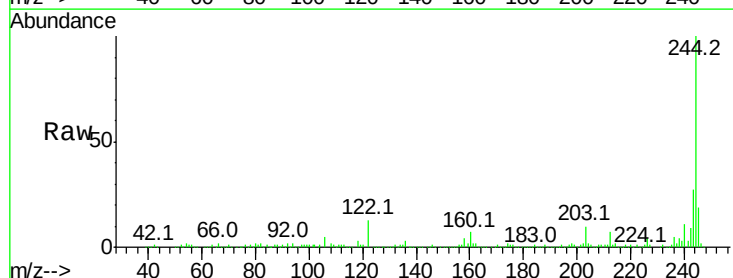
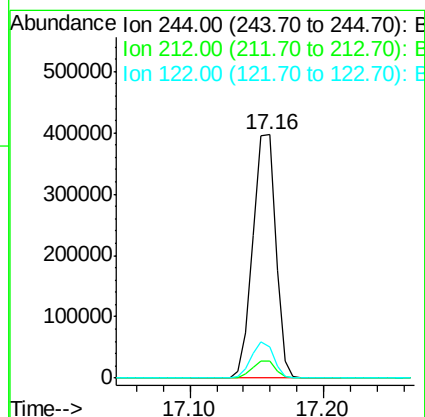
Manual Integrations
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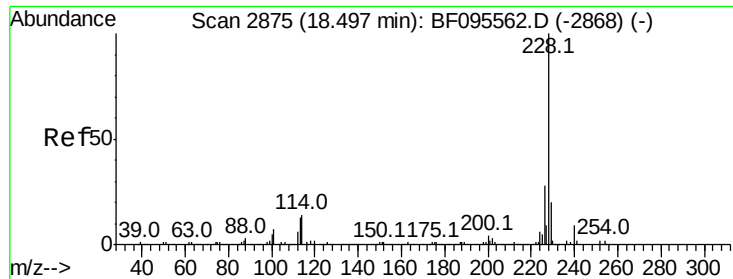
mohammad
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#78
Terphenyl-d14
Concen: 53.67 ng
RT: 17.16 min Scan# 2605
Delta R.T. -0.00 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.0	10.3	15.5





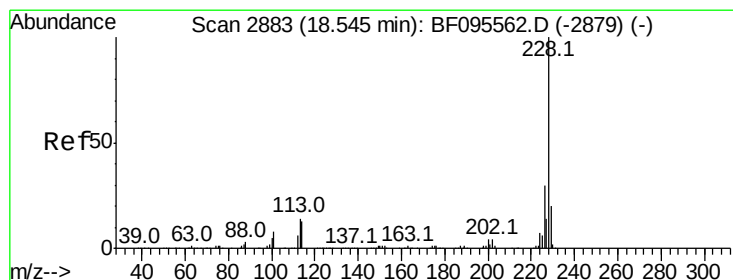
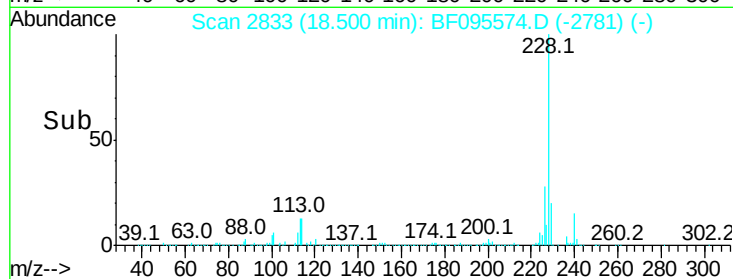
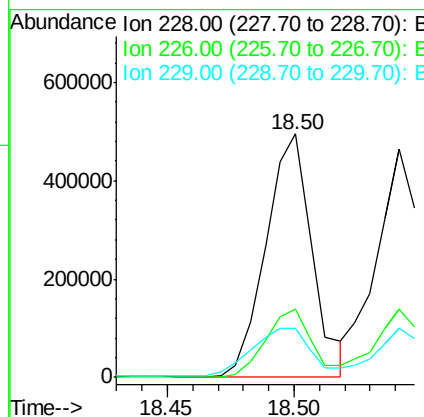
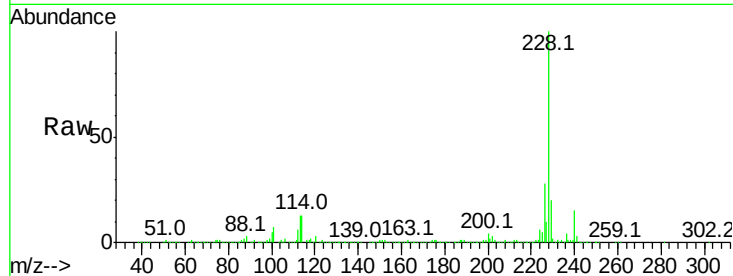
#80
Benzo(a)anthracene
Concen: 56.55 ng
RT: 18.50 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.3	16.3	24.5

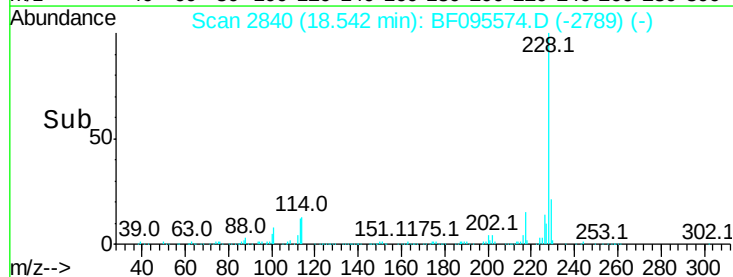
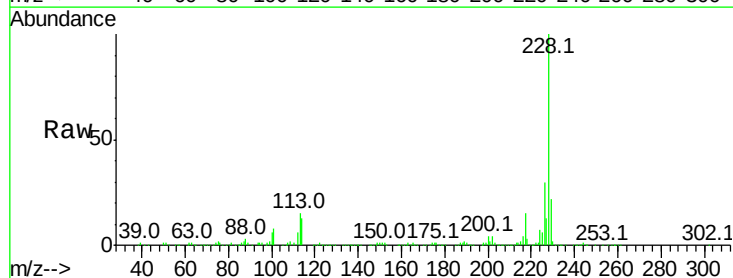
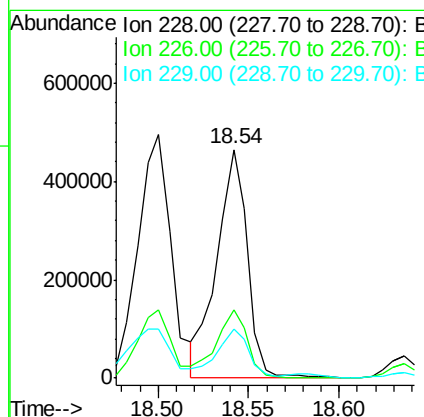
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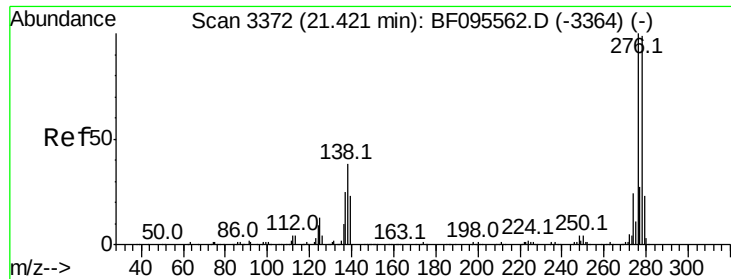
mohammad
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#82
Chrysene
Concen: 50.01 ng
RT: 18.54 min Scan# 2840
Delta R.T. -0.00 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	21.5	15.8	23.6





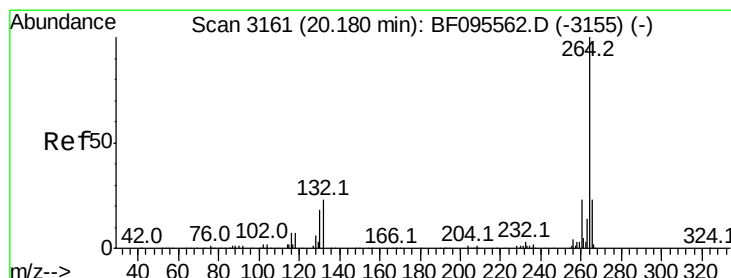
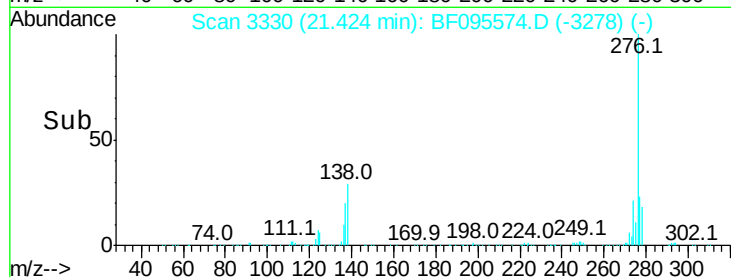
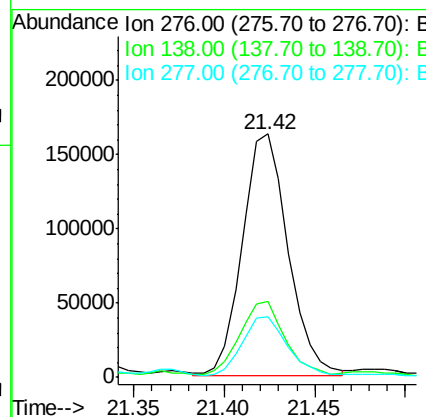
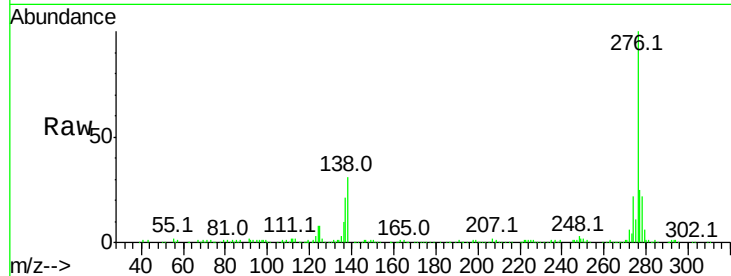
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.52 ng
 RT: 21.42 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: BF095574.D
 Acq: 31 May 2017 20:40

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	27.8	41.6
277	23.5	20.2	30.4

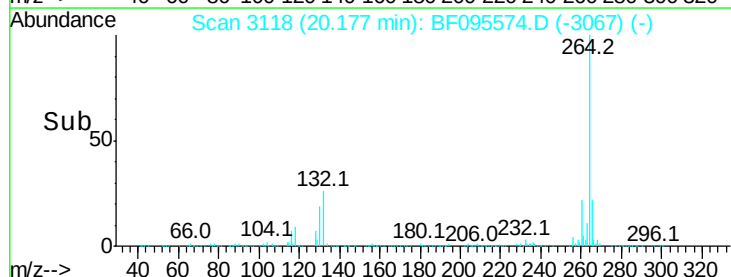
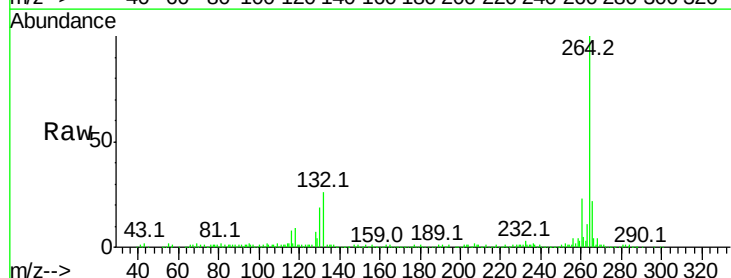
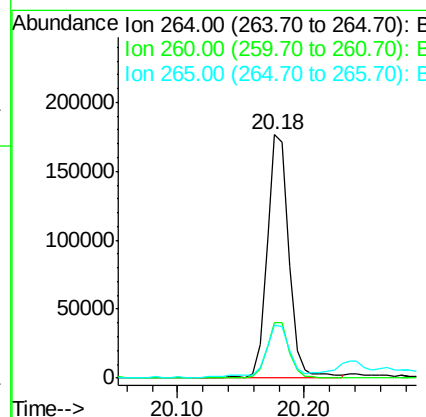
Manual Integrations
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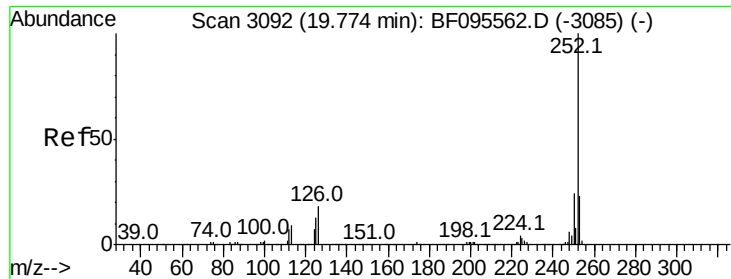
mohammad
 6/1/2017 2:20:14 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.18 min Scan# 3118
 Delta R.T. -0.00 min
 Lab File: BF095574.D
 Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.8	17.2	25.8





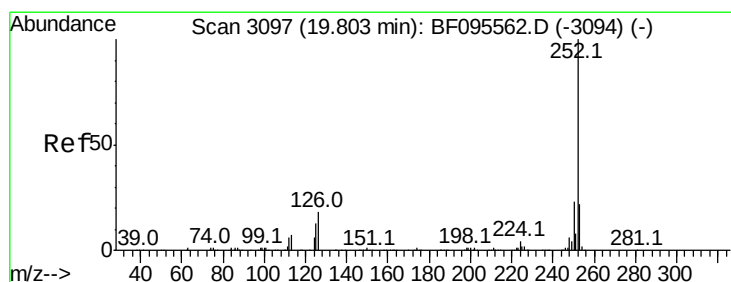
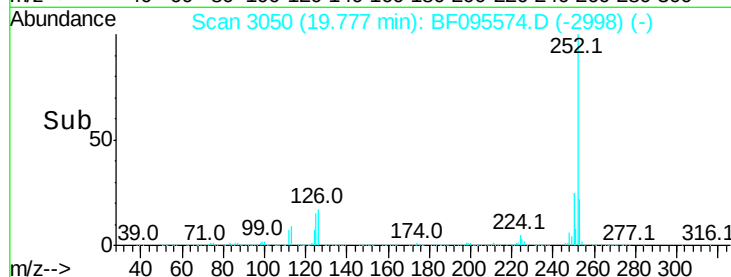
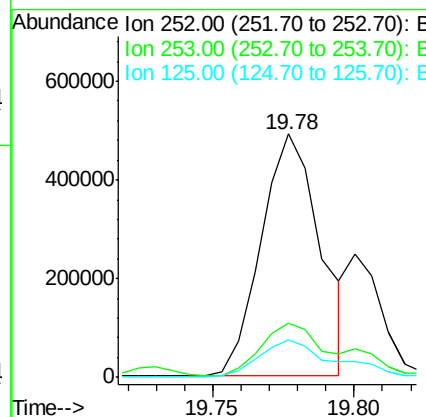
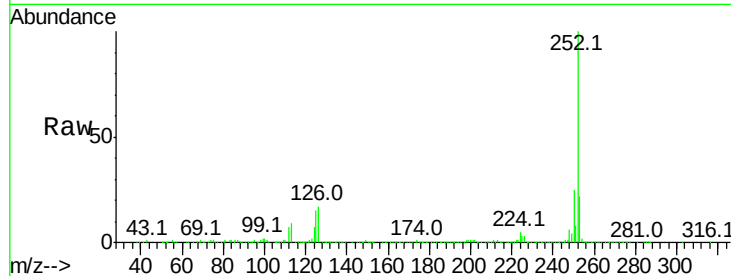
#87
Benzo(b)fluoranthene
Concen: 54.42 ng m
RT: 19.78 min Scan# 3050
Delta R.T. 0.00 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	15.3	9.8	14.8

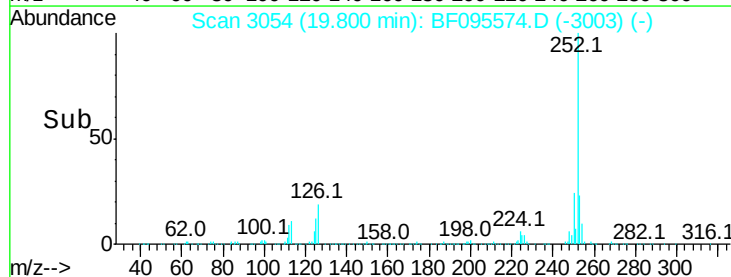
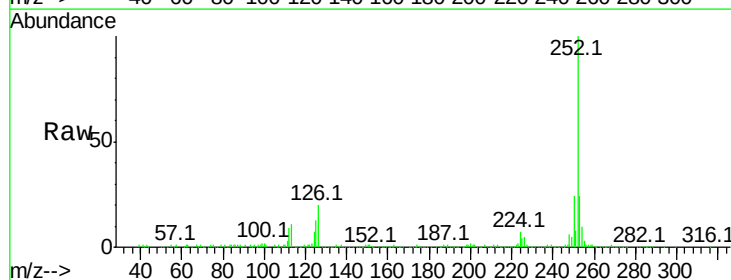
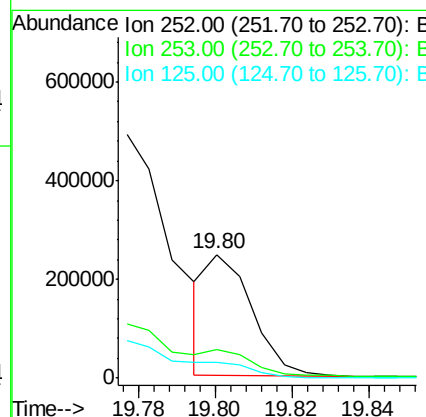
Manual Integrations
APPROVED

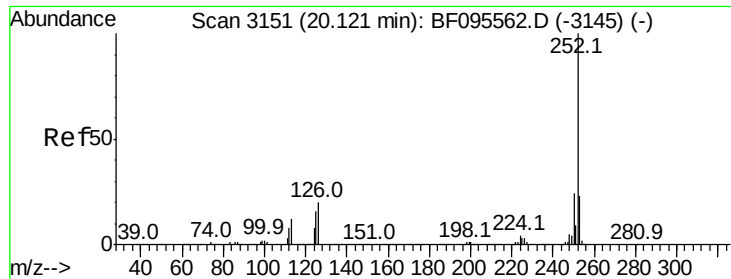
mohammad
6/1/2017 2:20:14 PM



#88
Benzo(k)fluoranthene
Concen: 15.69 ng m
RT: 19.80 min Scan# 3054
Delta R.T. -0.00 min
Lab File: BF095574.D
Acq: 31 May 2017 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	13.0	13.1	19.7





#89

Benzo(a)pyrene

Concen: 41.99 ng

RT: 20.12 min Scan# 3109

Delta R.T. 0.00 min

Lab File: BF095574.D

Acq: 31 May 2017 20:40

Instrument :

BNA_F

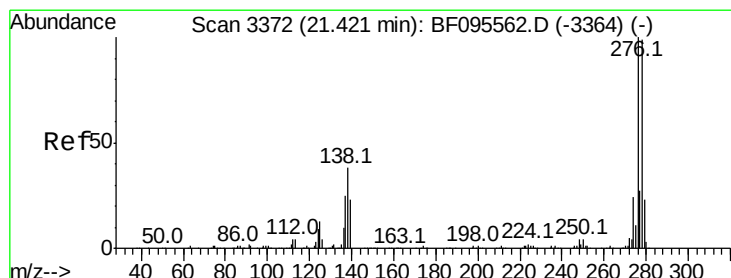
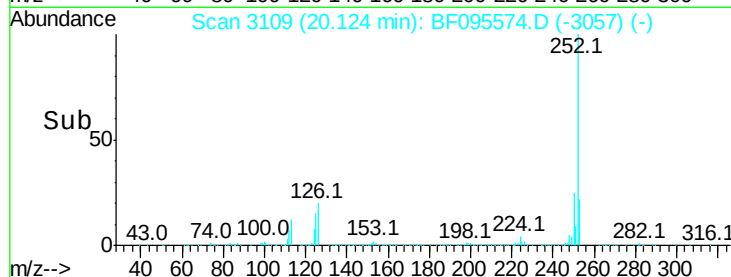
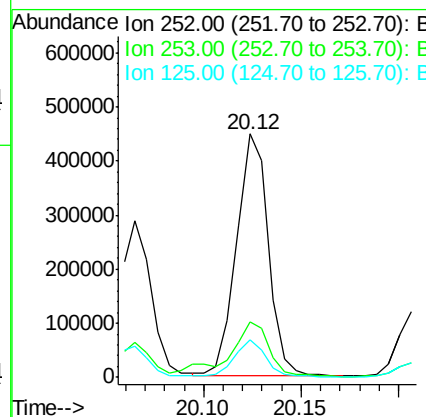
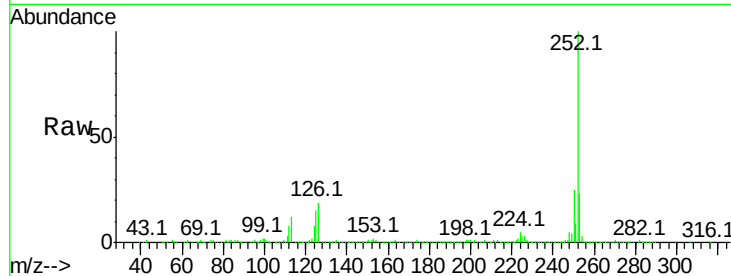
ClientSampleId :

B-18(0-5)

Tot Ion:	252	Resp:	508296
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	15.3	11.0	16.4

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 6.49 ng m

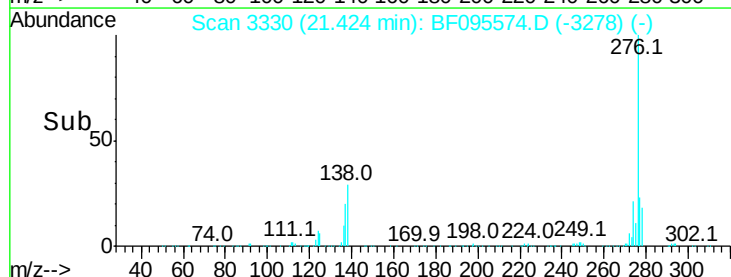
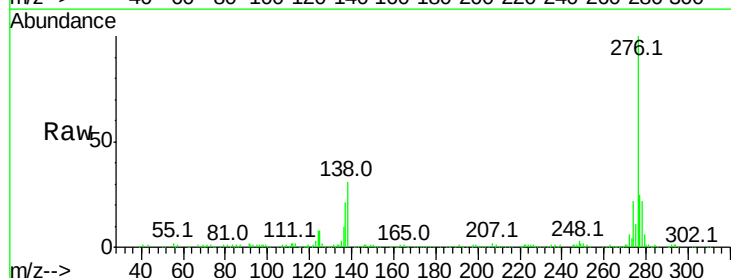
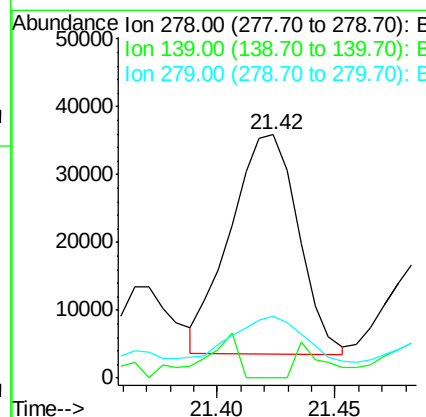
RT: 21.42 min Scan# 3330

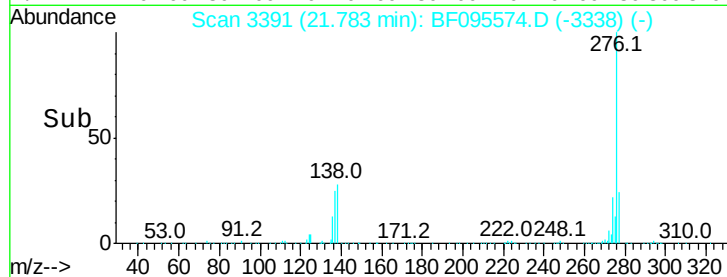
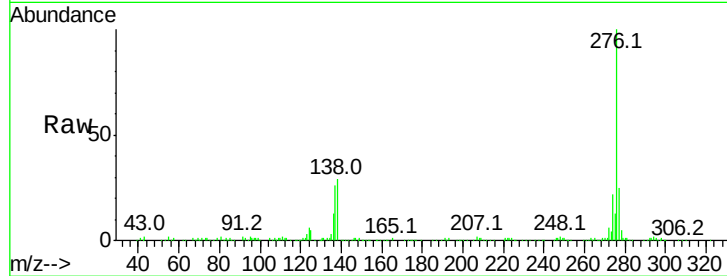
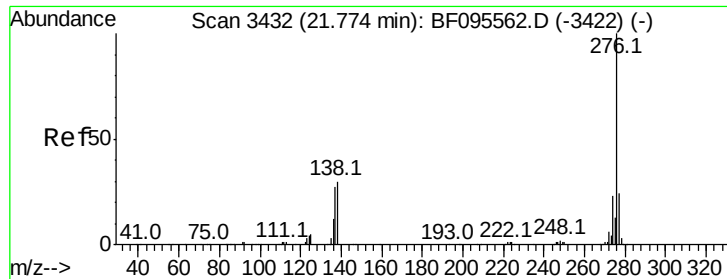
Delta R.T. 0.00 min

Lab File: BF095574.D

Acq: 31 May 2017 20:40

Tgt Ion:	278	Resp:	64891
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	25.2	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 26.44 ng
 RT: 21.78 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: BF095574.D
 Acq: 31 May 2017 20:40

Tot Ion:	276	Resp:	259397
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	29.2	25.4	38.0

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)

Manual Integrations
 APPROVED

mohammad
 6/1/2017 2:20:14 PM

