

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115961.D
 Acq On : 2 Aug 2019 21:50
 Operator : HP/JU
 Sample : K4130-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(0-1)

Manual Integrations
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 8/8/2019 4:44:49 PM

Quant Time: Aug 03 03:15:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	124574	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	488931	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	265292	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	484146	20.00	ng	0.00
76) Chrysene-d12	14.02	240	350400	20.00	ng	0.00
87) Perylene-d12	15.49	264	382239	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	694869	93.38	ng	0.00
7) Phenol-d6	6.49	99	929185	98.97	ng	0.00
23) Nitrobenzene-d5	7.41	82	587508	69.36	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	251470	97.77	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	987005	69.69	ng	0.00
79) Terphenyl-d14	12.96	244	1190666	71.60	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.60	163	166899	9.240	ng	99
52) Acenaphthene	9.92	154	36269	2.600	ng	98
58) Fluorene	10.44	166	35074	2.247	ng	98
71) Phenanthrene	11.40	178	690726	27.907	ng	99
72) Anthracene	11.45	178	199016	7.945	ng	98
73) Carbazole	11.61	167	49198	2.165	ng	99
75) Fluoranthene	12.60	202	1093789	42.213	ng	99
78) Pyrene	12.83	202	948341	35.903	ng	99
81) Benzo(a)anthracene	14.01	228	471209	21.040	ng	98
83) Chrysene	14.05	228	389229	17.901	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	190908	10.454	ng	97
88) Benzo(b)fluoranthene	15.06	252	428158m	19.372	ng	
89) Benzo(k)fluoranthene	15.09	252	158618m	7.368	ng	
90) Benzo(a)pyrene	15.43	252	320001	16.197	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	51601m	3.017	ng	
92) Benzo(g,h,i)perylene	17.42	276	166603	9.919	ng	97

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

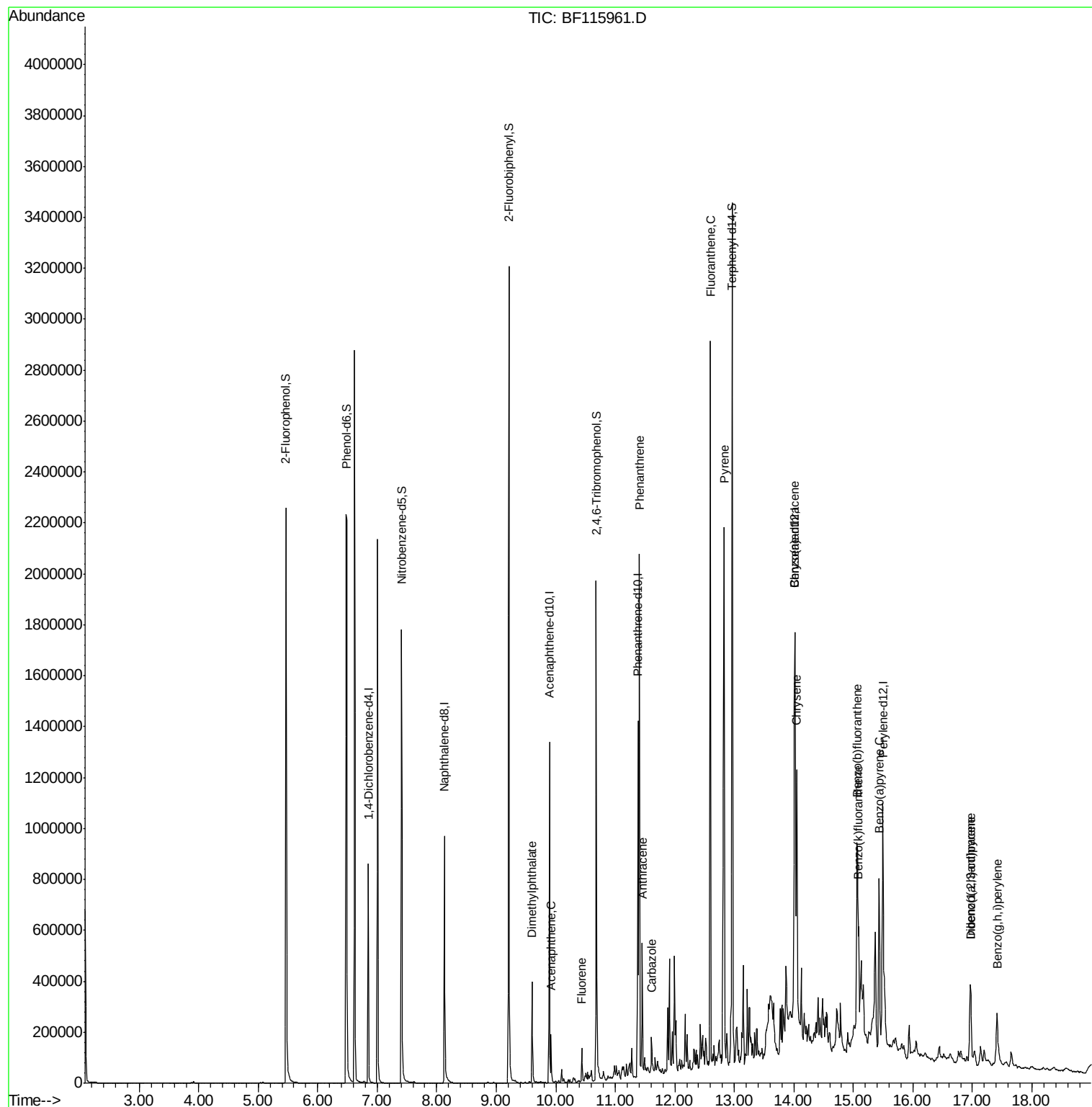
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115961.D
Acq On : 2 Aug 2019 21:50
Operator : HP/JU
Sample : K4130-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

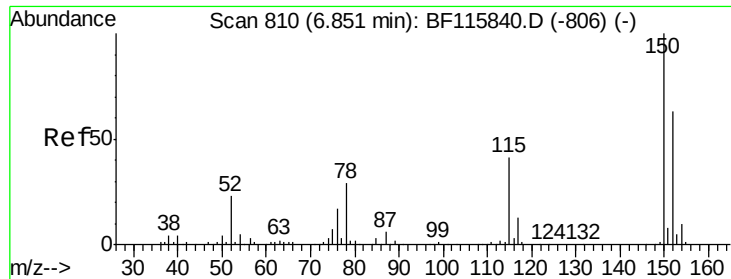
Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(0-1)

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#1

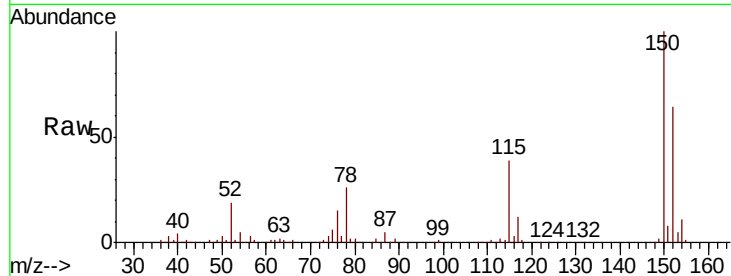
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.4	191.0
115	60.7	51.8	77.8

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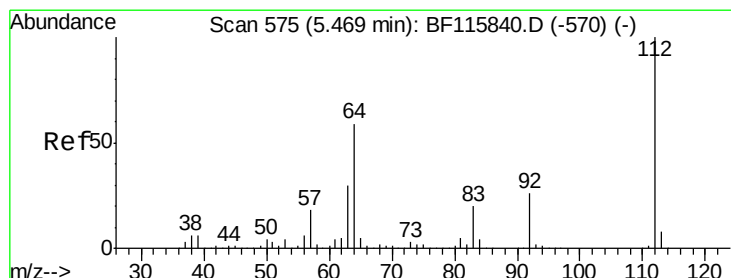
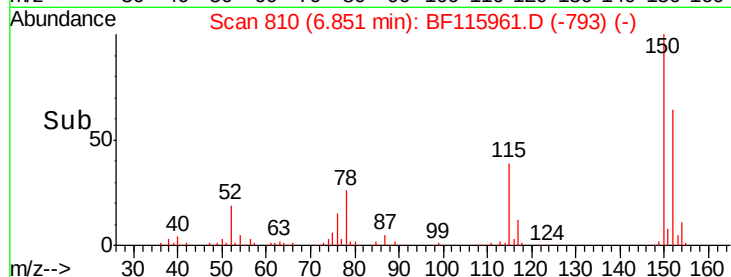
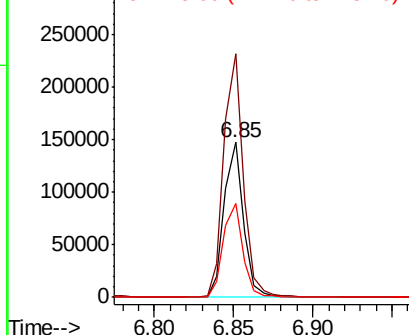


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

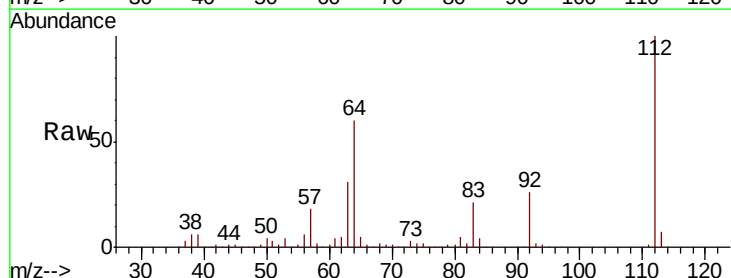
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.379 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	46.8	70.2
63	31.0	24.2	36.2

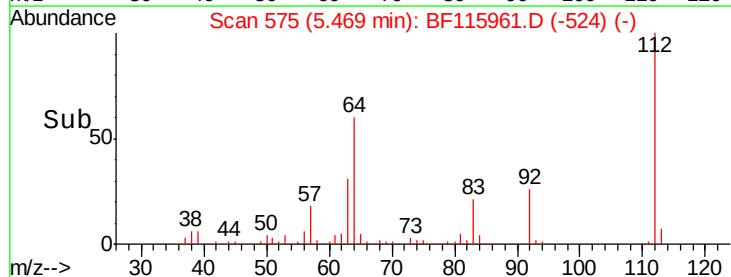
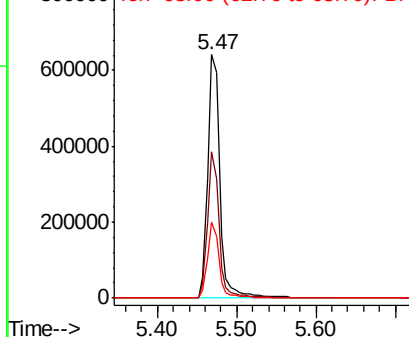


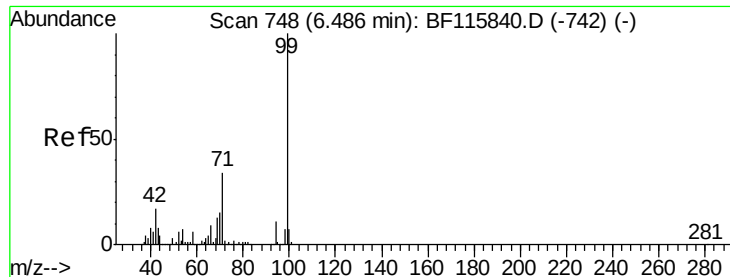
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.969 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115961.D

Acq: 2 Aug 2019 21:50

Instrument :

BNA_F

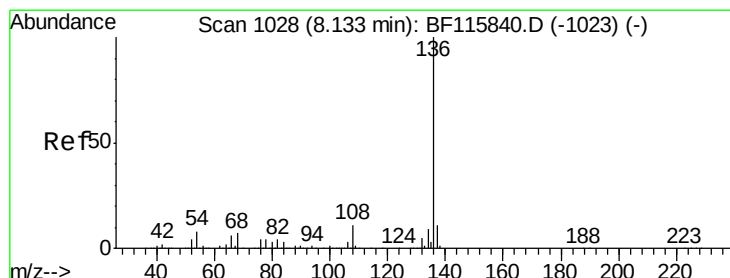
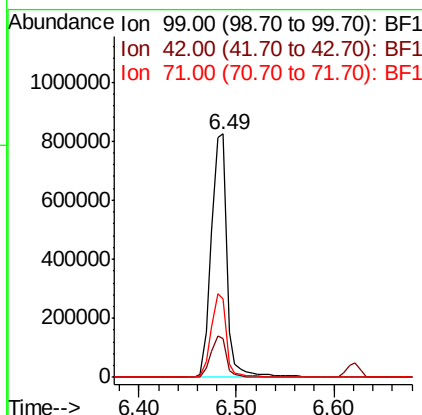
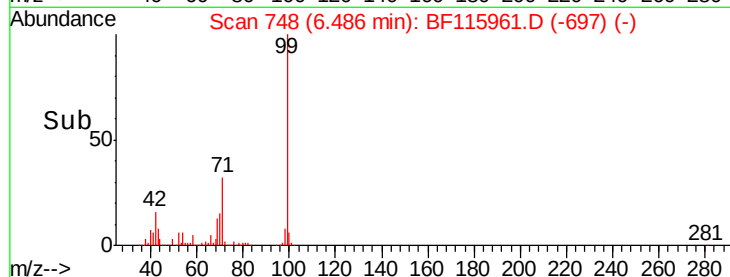
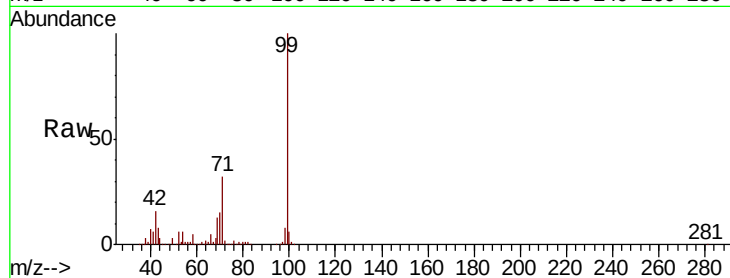
ClientSampleId :

1S-F1-F4-COMP-(0-1)

Tot Ion:	99	Resp:	929185
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.8	20.6
71	32.4	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

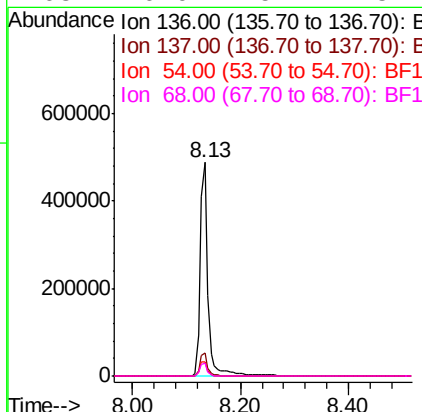
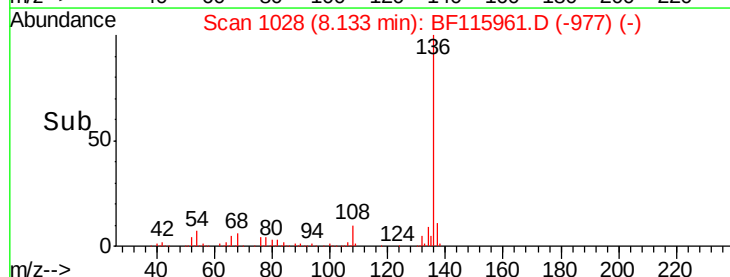
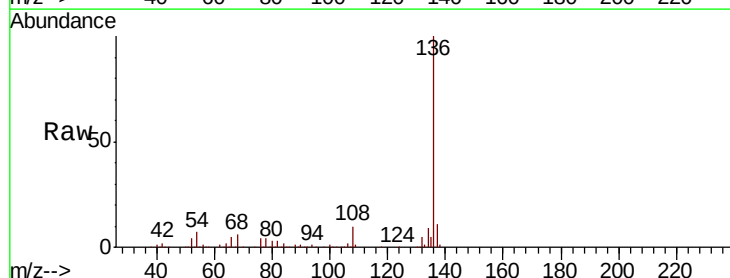
RT: 8.13 min Scan# 1028

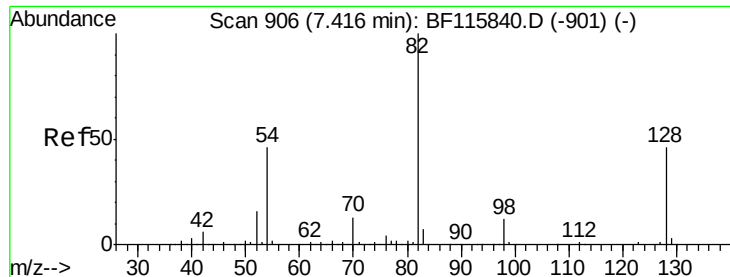
Delta R.T. -0.00 min

Lab File: BF115961.D

Acq: 2 Aug 2019 21:50

Tgt Ion:	136	Resp:	488931
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	6.7	6.1	9.1
68	6.0	5.4	8.2





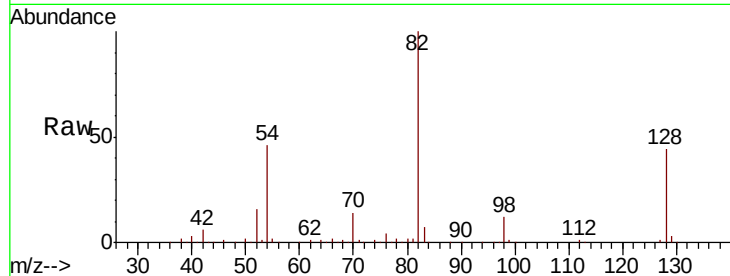
#23
 Nitrobenzene-d5
 Concen: 69.361 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115961.D
 Acq: 2 Aug 2019 21:50

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(0-1)

Tot Ion	82	Resp	587508
Ion Ratio	100	Lower	Upper
128	44.4	36.6	55.0
54	45.6	36.6	55.0

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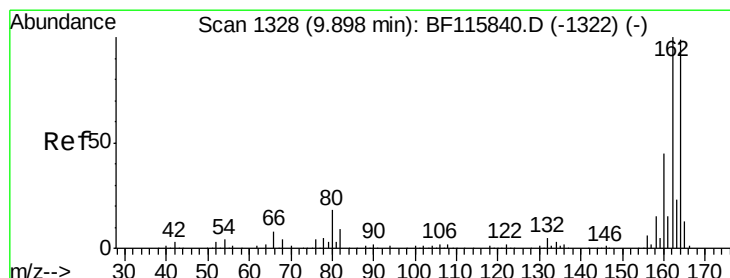
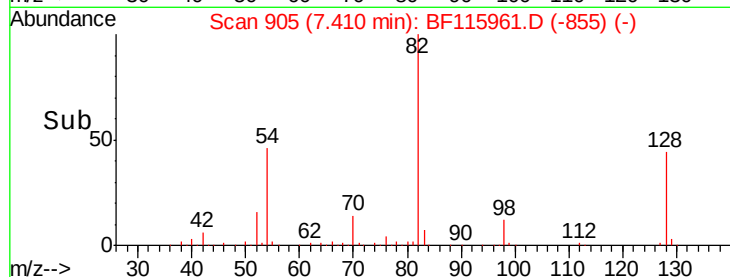
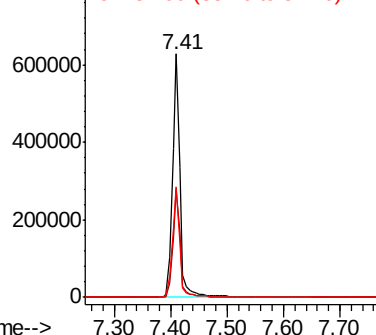


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115961.D
 Acq: 2 Aug 2019 21:50

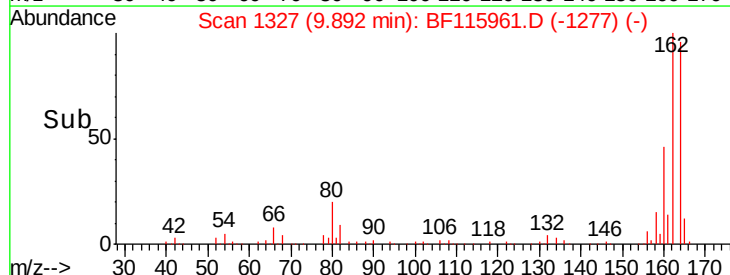
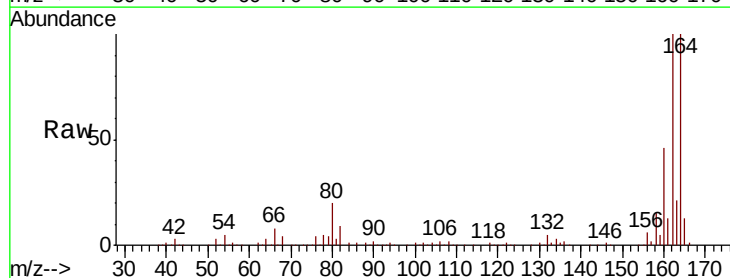
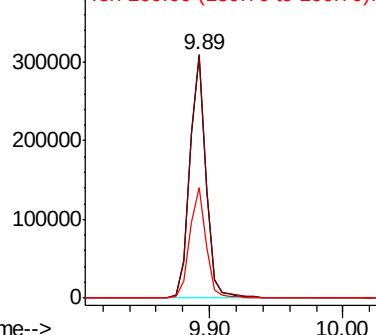
Tgt Ion	164	Resp	265292
Ion Ratio	100	Lower	Upper
162	100.3	80.8	121.2
160	45.7	36.2	54.4

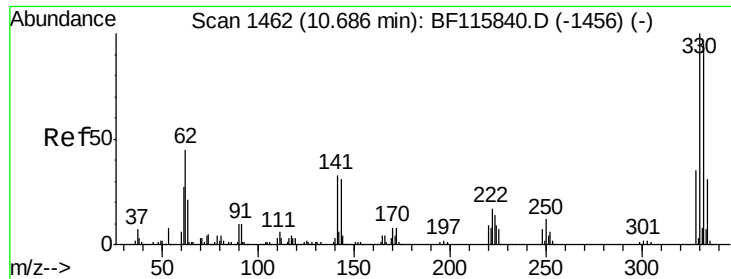
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 97.769 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115961.D

Acq: 2 Aug 2019 21:50

Instrument :

BNA_F

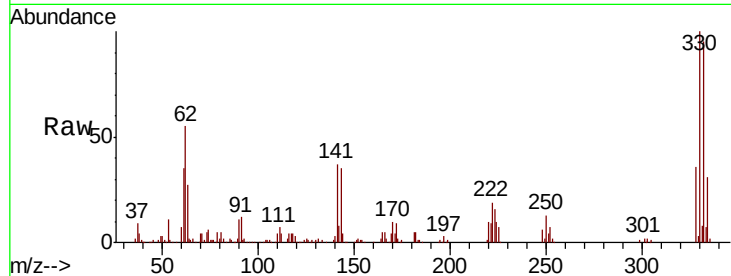
ClientSampleId :

1S-F1-F4-COMP-(0-1)

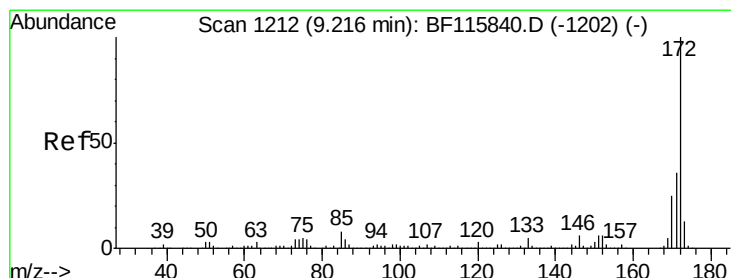
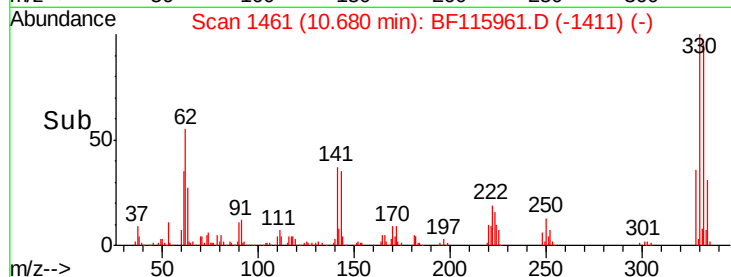
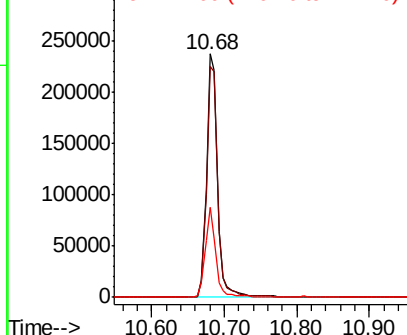
Tot Ion:	330	Resp:	251470
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.7	116.5
141	35.6	28.1	42.1

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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



#45

2-Fluorobiphenyl

Concen: 69.687 ng

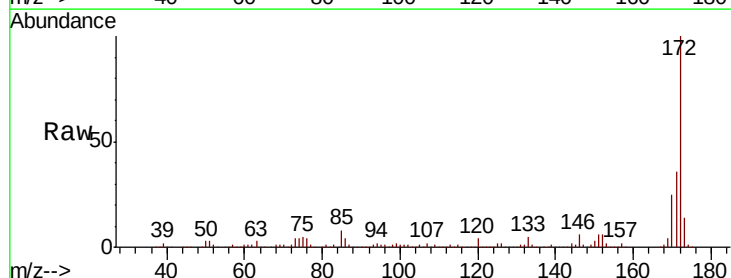
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

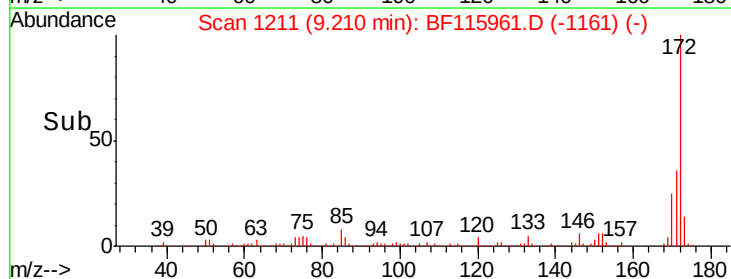
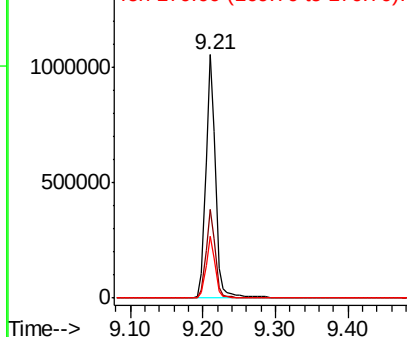
Lab File: BF115961.D

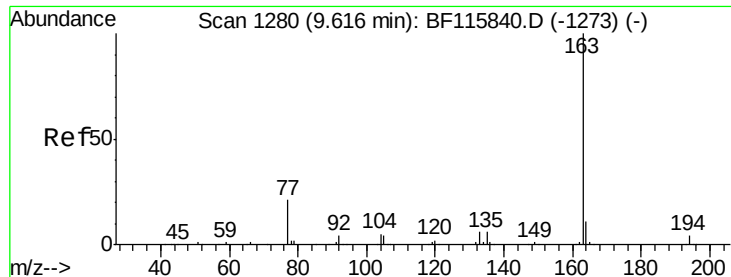
Acq: 2 Aug 2019 21:50

Tgt Ion:	172	Resp:	987005
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.1	43.7
170	25.2	20.1	30.1



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





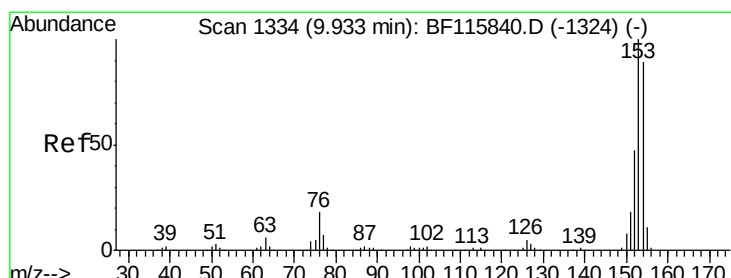
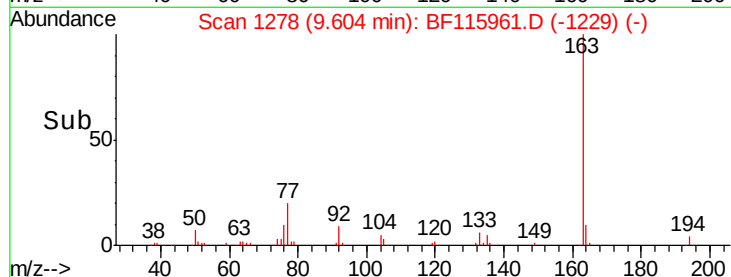
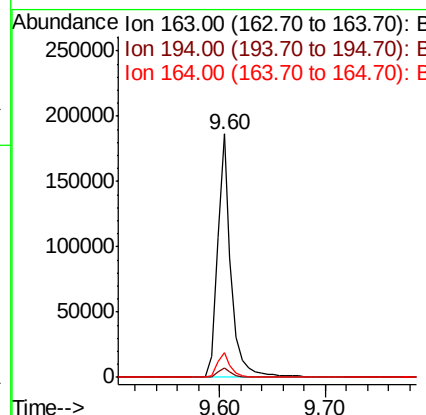
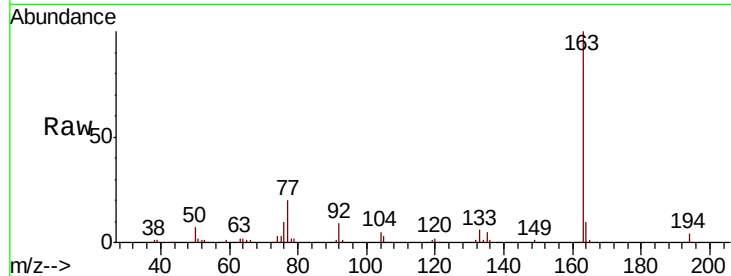
#50
Dimethylphthalate
Concen: 9.240 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	166899		
194	3.8		3.0	4.6
164	10.0		8.4	12.6

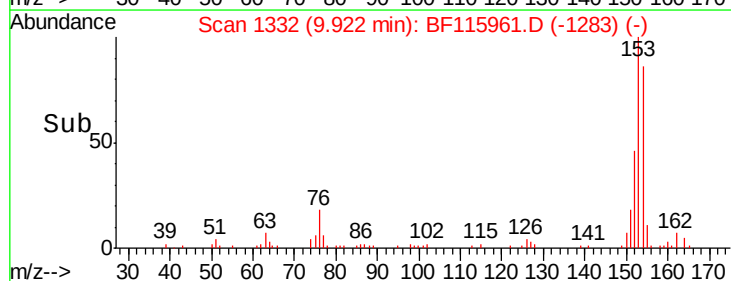
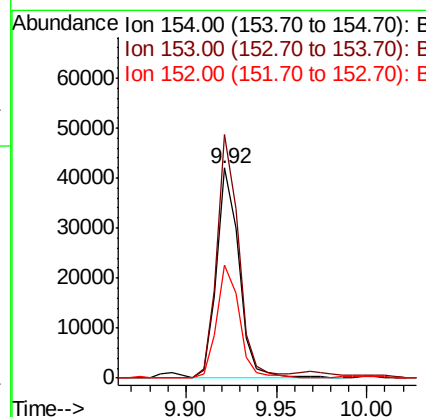
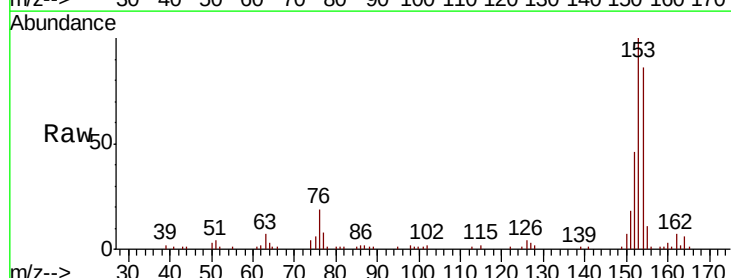
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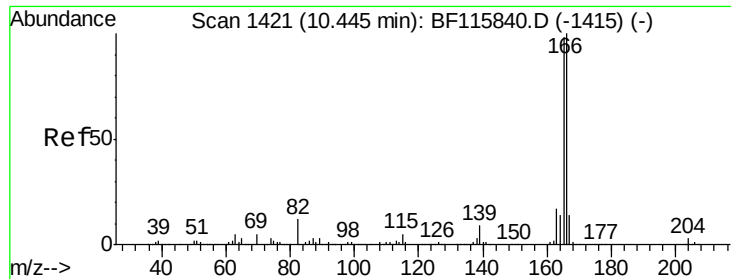
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#52
Acenaphthene
Concen: 2.600 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	36269		
153	116.1		90.1	135.1
152	53.6		42.6	63.8





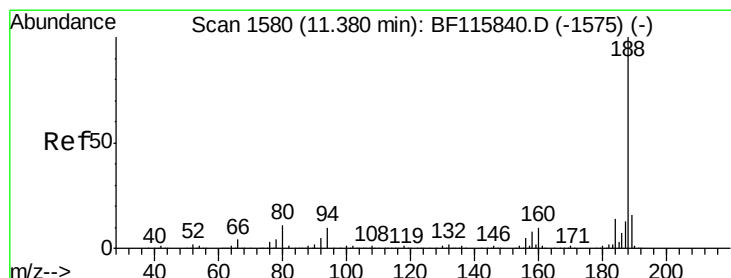
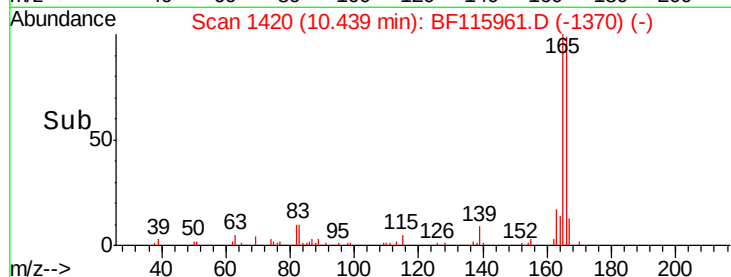
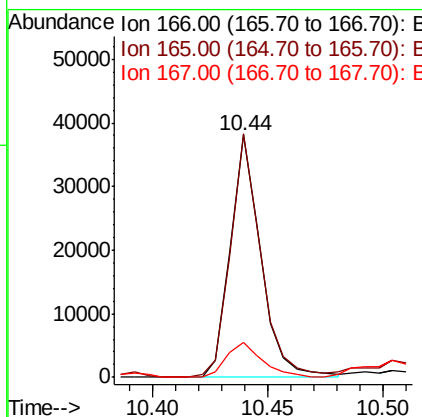
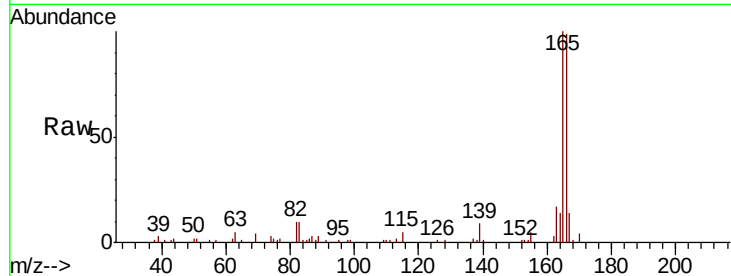
#58
 Fluorene
 Concen: 2.247 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF115961.D
 Acq: 2 Aug 2019 21:50

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.7	78.6	118.0
167	14.4	10.9	16.3

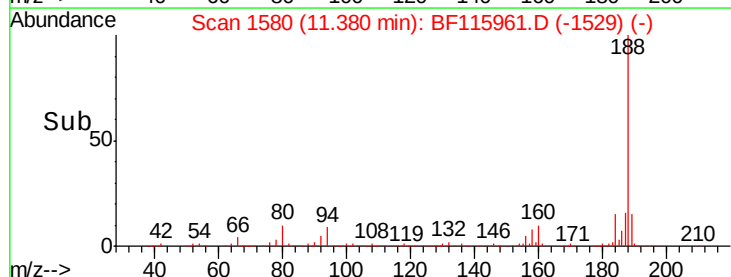
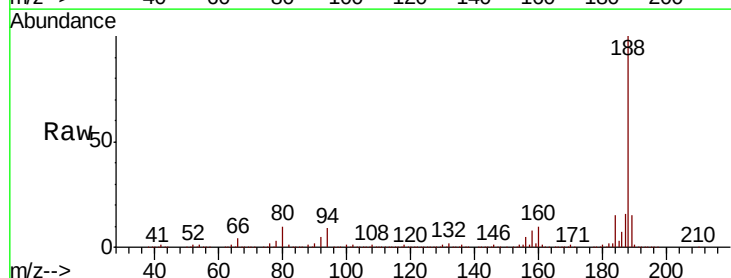
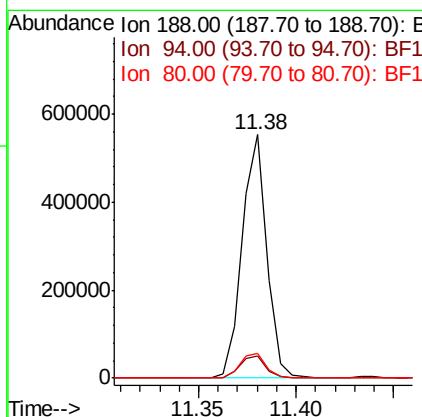
Manual Integrations
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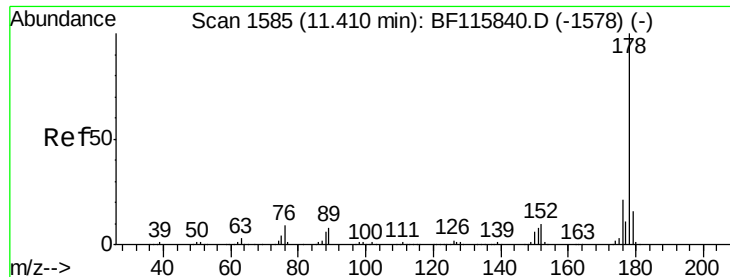
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF115961.D
 Acq: 2 Aug 2019 21:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.0	12.0
80	10.2	8.6	12.8





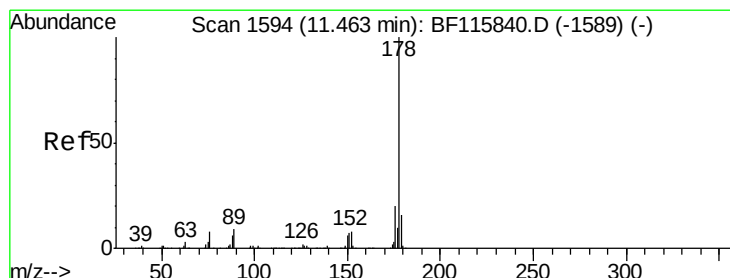
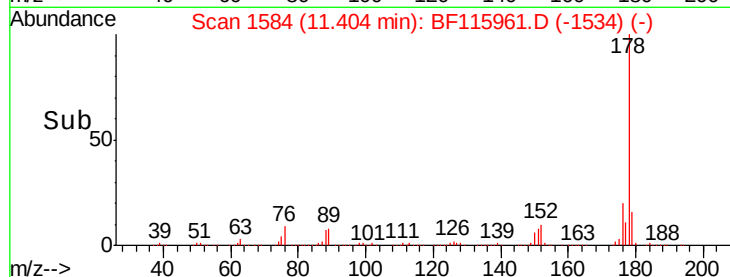
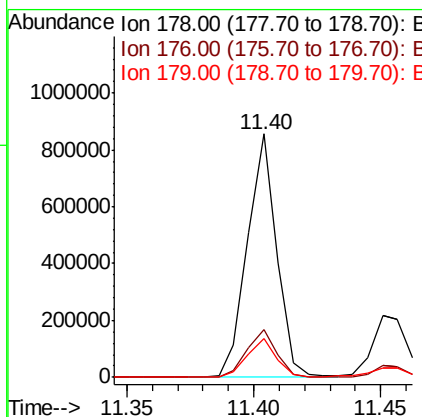
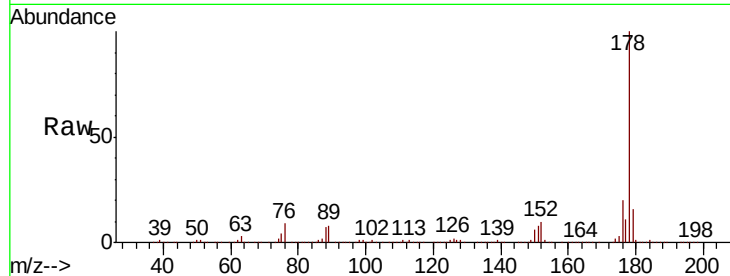
#71
Phenanthrene
Concen: 27.907 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.5	24.7
179	15.8	12.6	18.8

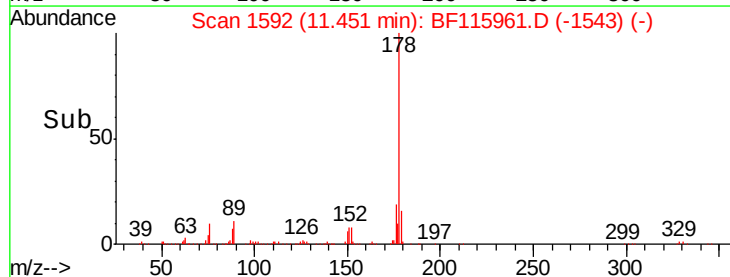
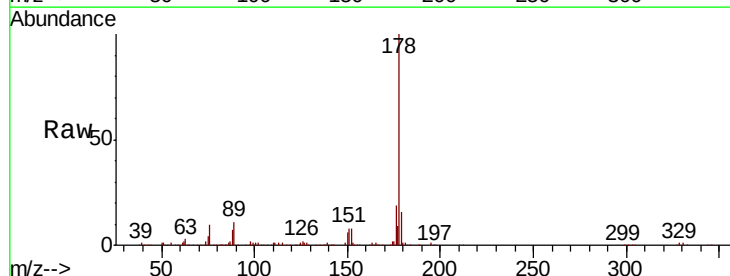
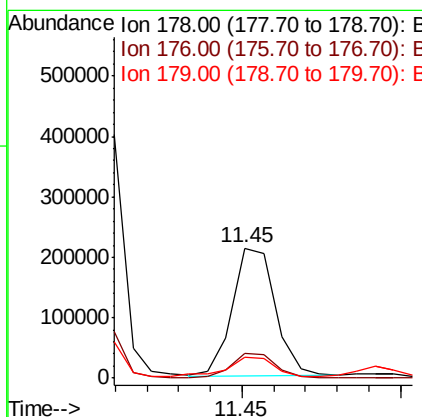
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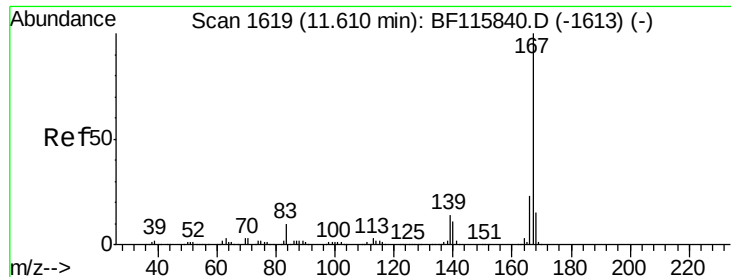
mohammad
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#72
Anthracene
Concen: 7.945 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	16.2	12.4	18.6





#73

Carbazole

Concen: 2.165 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF115961.D

Acq: 2 Aug 2019 21:50

Instrument :

BNA_F

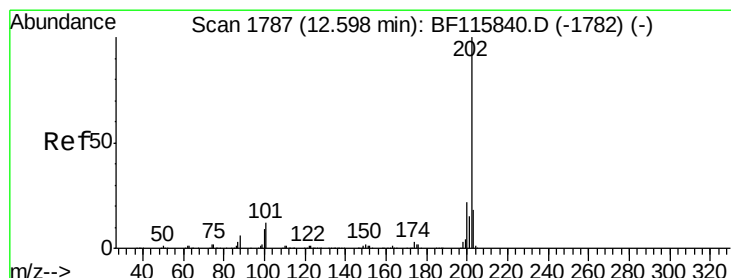
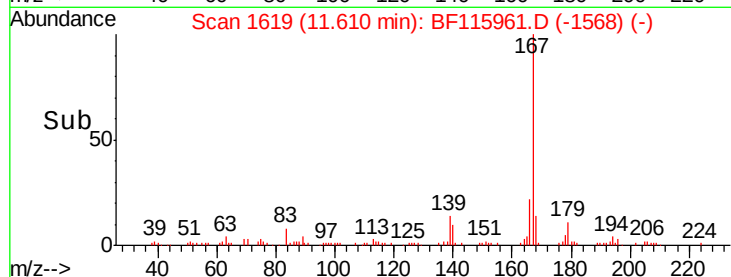
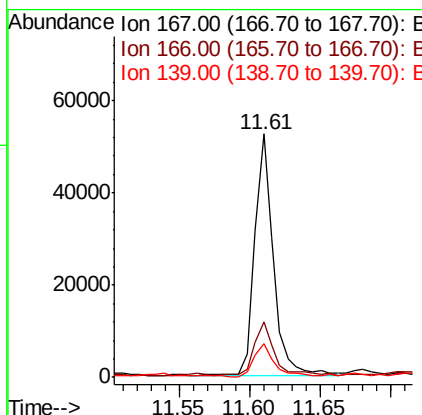
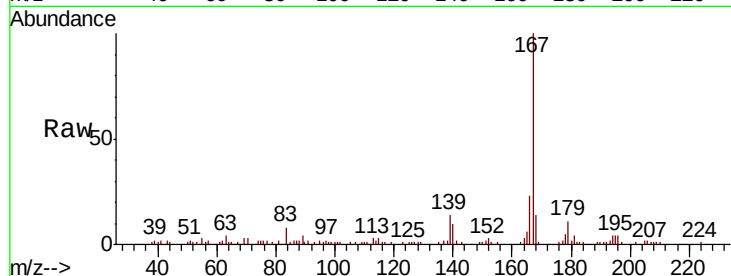
ClientSampleId :

1S-F1-F4-COMP-(0-1)

Tot Ion:	167	Resp:	49198
Ion Ratio	Lower	Upper	
167	100		
166	22.7	18.0	27.0
139	13.9	11.4	17.2

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#75

Fluoranthene

Concen: 42.213 ng

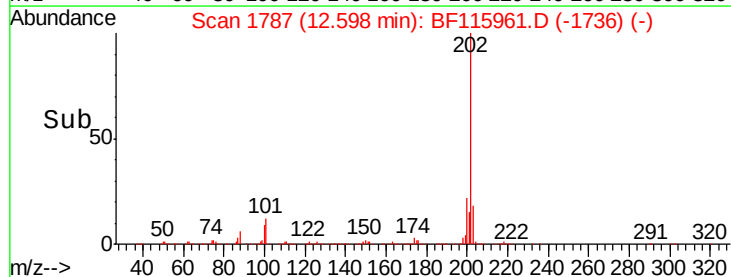
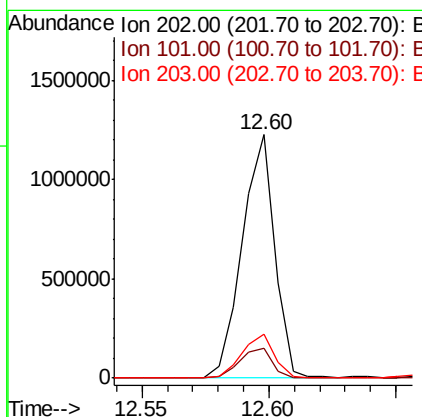
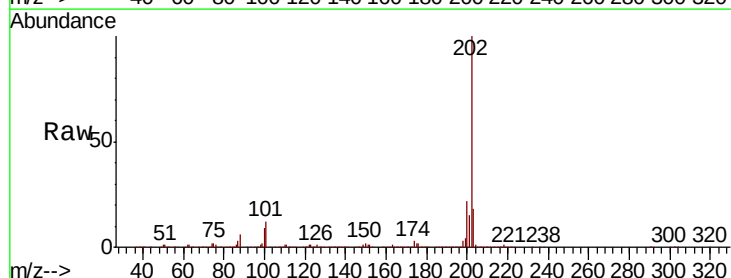
RT: 12.60 min Scan# 1787

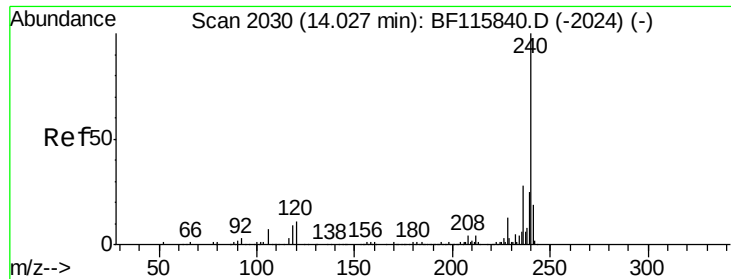
Delta R.T. -0.00 min

Lab File: BF115961.D

Acq: 2 Aug 2019 21:50

Tgt Ion:	202	Resp:	1093789
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	31.5
203	18.3	0.0	37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115961.D

Acq: 2 Aug 2019 21:50

Instrument :

BNA_F

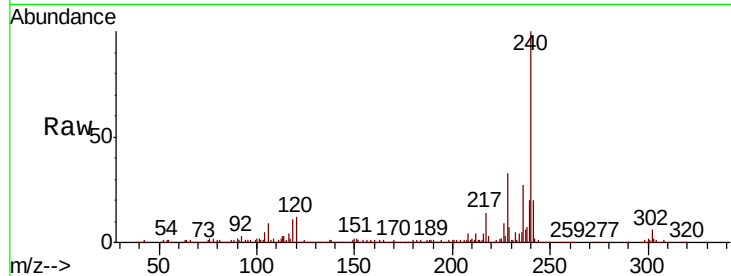
ClientSampleId :

1S-F1-F4-COMP-(0-1)

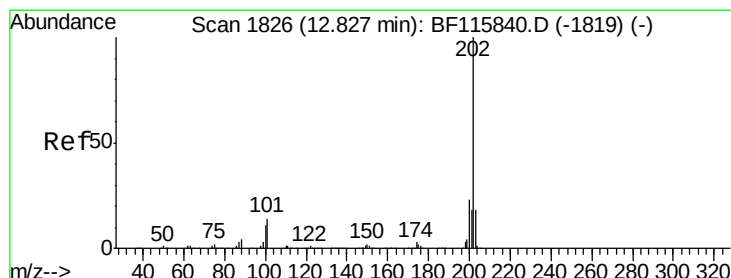
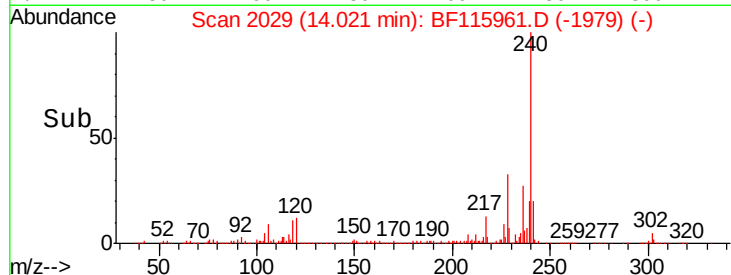
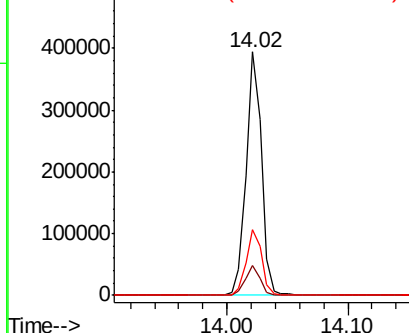
Tot Ion:	240	Resp:	350400
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.5	12.7
236	27.1	22.2	33.2

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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



#78

Pyrene

Concen: 35.903 ng

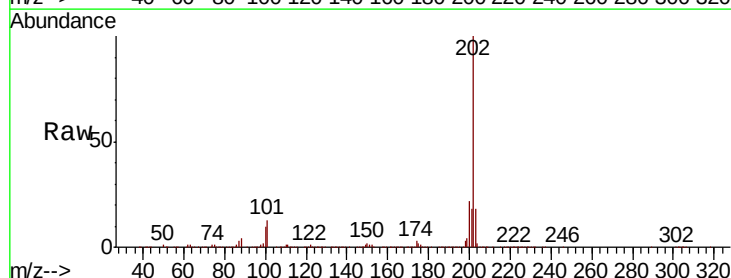
RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

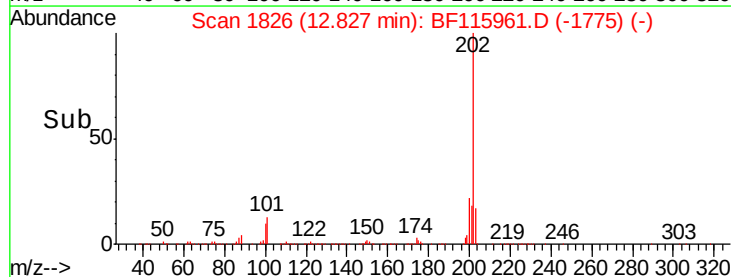
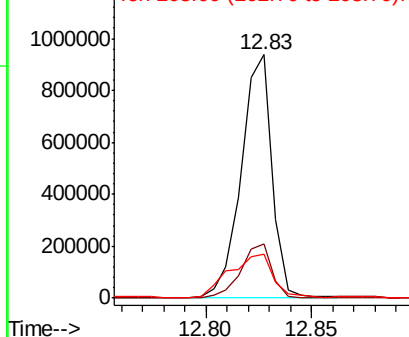
Lab File: BF115961.D

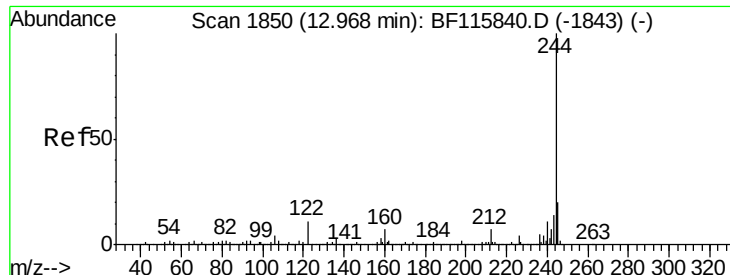
Acq: 2 Aug 2019 21:50

Tgt Ion:	202	Resp:	948341
Ion Ratio	Lower	Upper	
202	100		
200	22.2	18.2	27.2
203	17.9	14.3	21.5



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





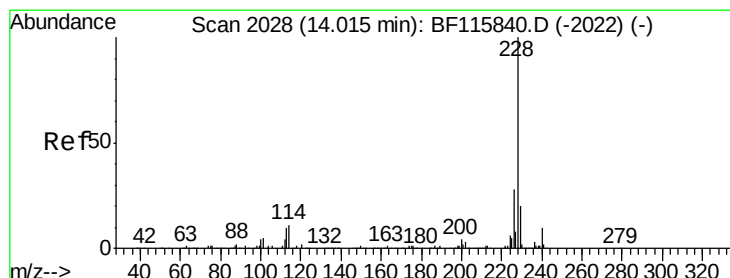
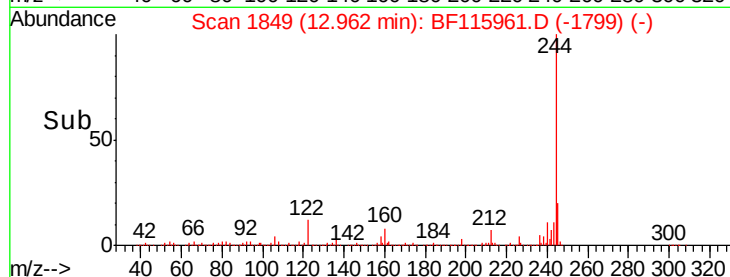
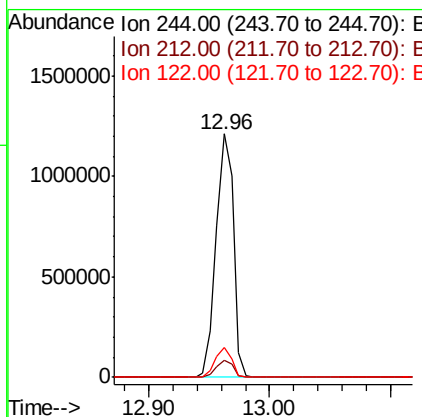
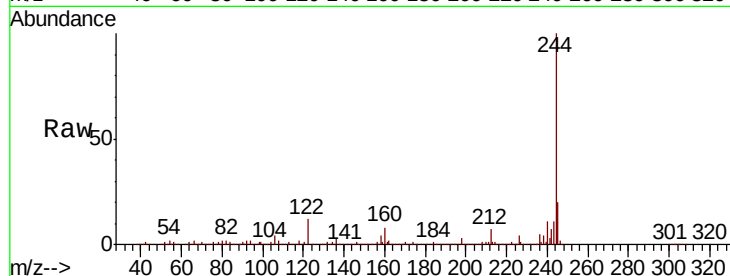
#79
 Terphenyl-d14
 Concen: 71.602 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115961.D
 Acq: 2 Aug 2019 21:50

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	12.2	8.6	13.0

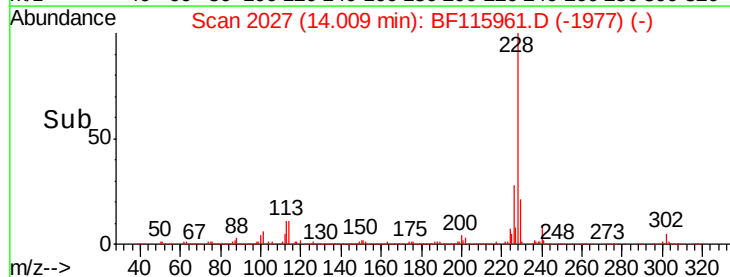
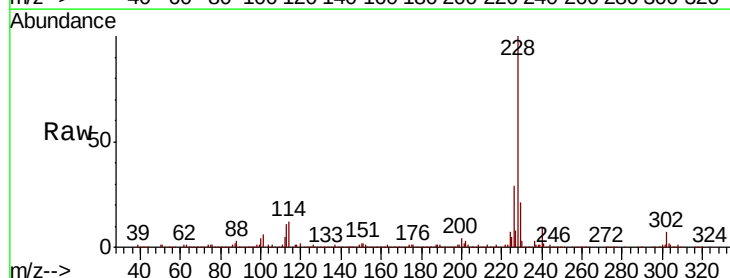
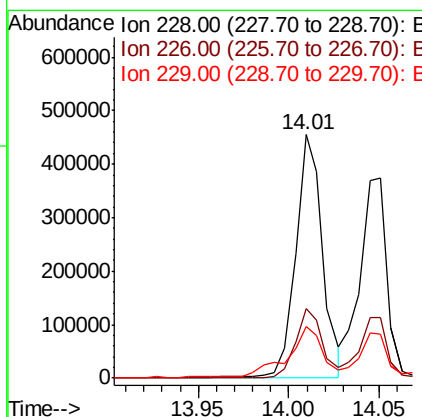
Manual Integrations
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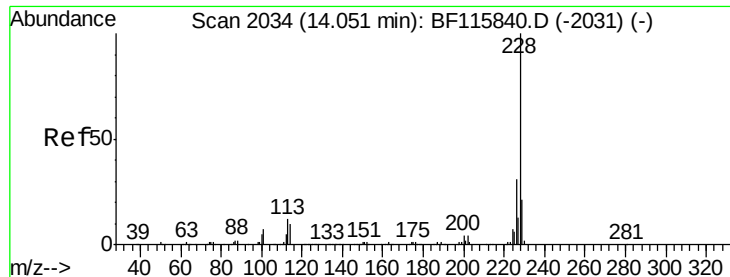
mohammad
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#81
 Benzo(a)anthracene
 Concen: 21.040 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF115961.D
 Acq: 2 Aug 2019 21:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.5	33.7
229	21.2	16.1	24.1





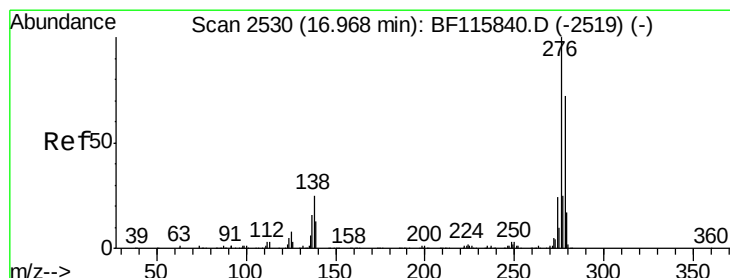
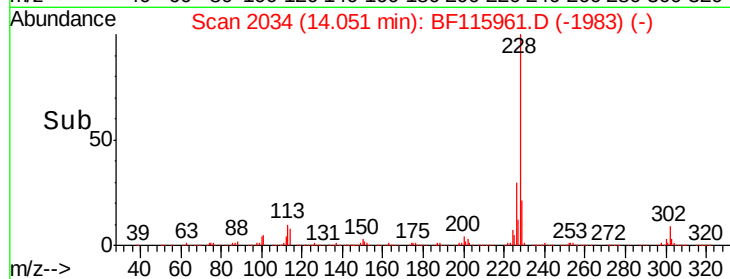
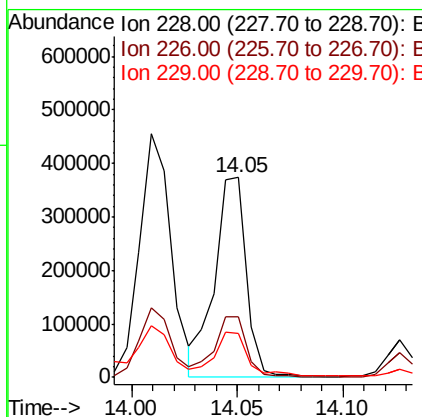
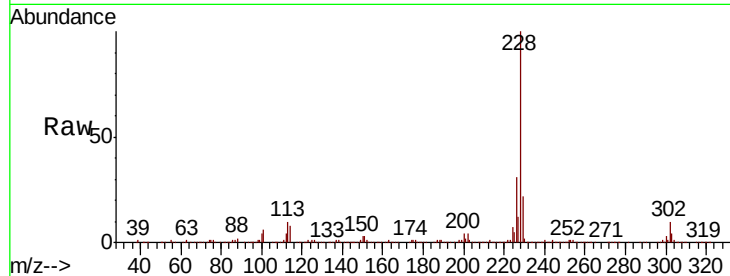
#83
Chrysene
Concen: 17.901 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(0-1)

Tot Ion:	228	Resp:	389229
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.8	37.2
229	22.0	16.4	24.6

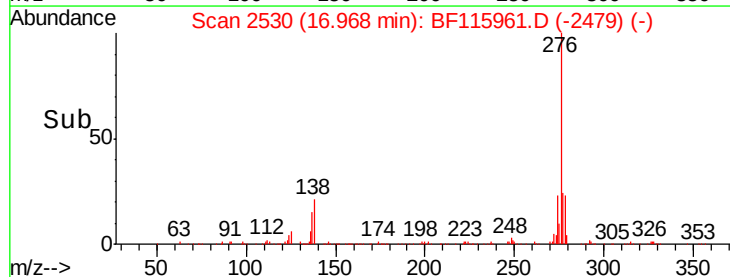
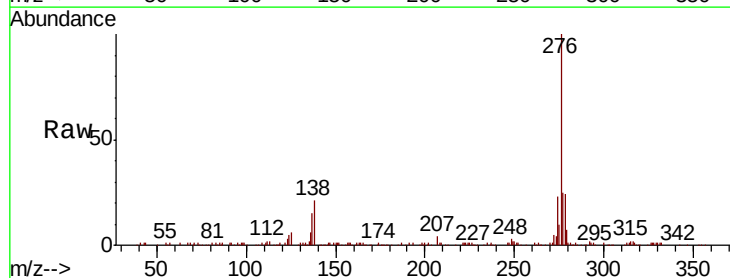
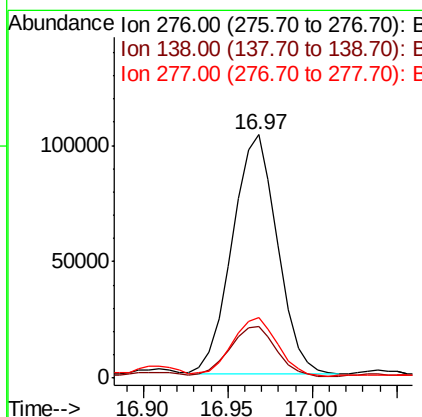
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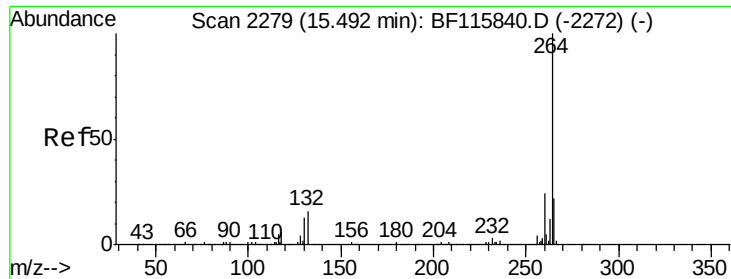
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 10.454 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.00 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Tgt Ion:	276	Resp:	190908
Ion Ratio	Lower	Upper	
276	100		
138	21.6	19.6	29.4
277	24.7	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BF115961.D

Acq: 2 Aug 2019 21:50

Instrument :

BNA_F

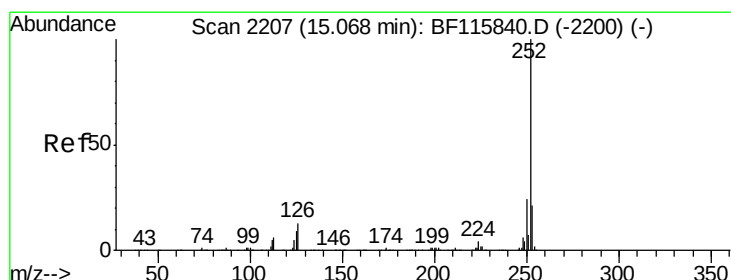
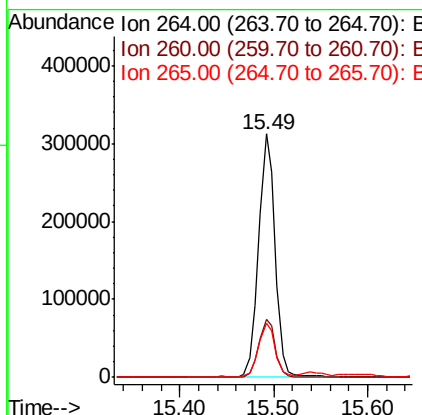
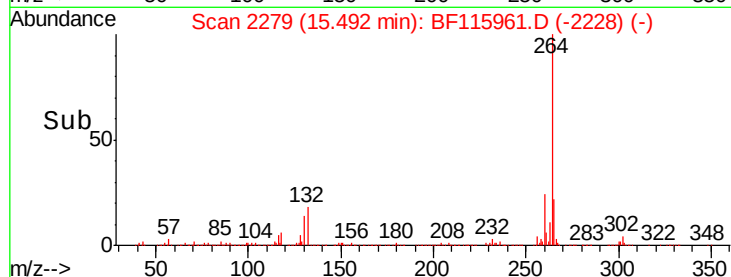
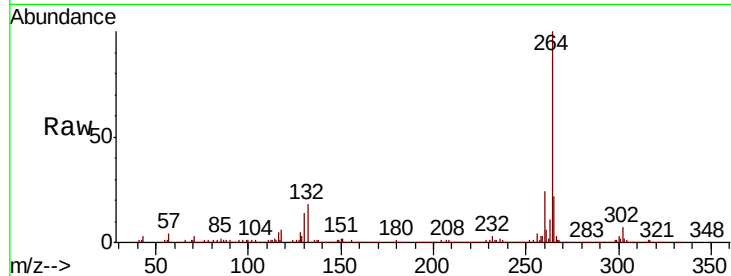
ClientSampleId :

1S-F1-F4-COMP-(0-1)

Tot Ion:	264	Resp:	382239
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.4	29.2
265	22.4	17.5	26.3

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#88

Benzo(b)fluoranthene

Concen: 19.372 ng m

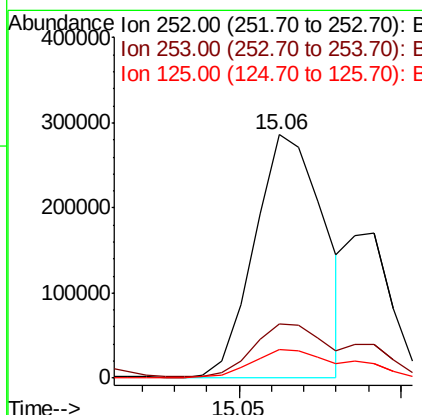
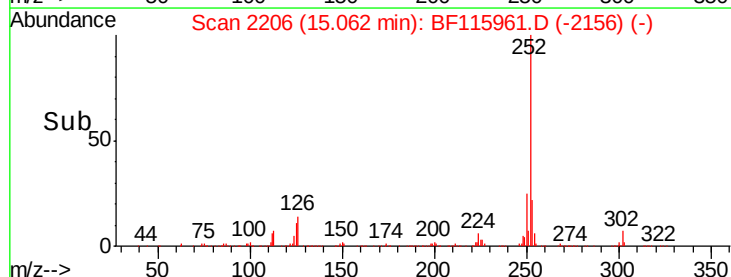
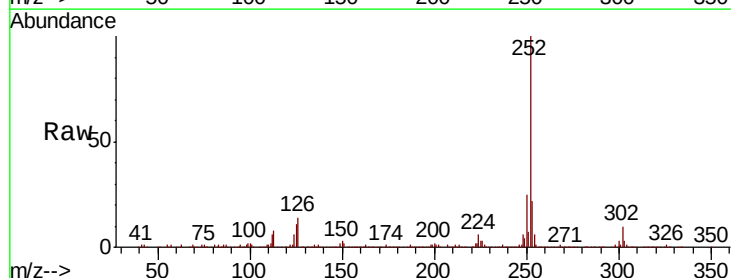
RT: 15.06 min Scan# 2206

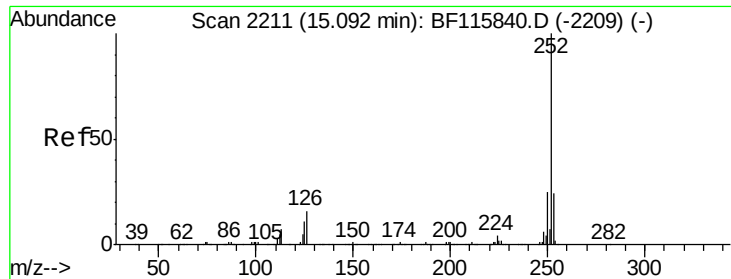
Delta R.T. -0.01 min

Lab File: BF115961.D

Acq: 2 Aug 2019 21:50

Tgt Ion:	252	Resp:	428158
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	11.5	7.4	11.0#





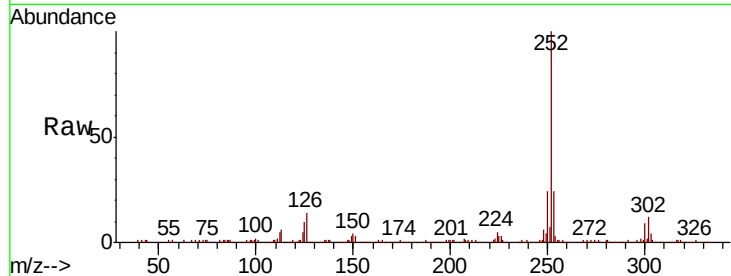
#89
Benzo(k)fluoranthene
Concen: 7.368 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	9.6	8.9	13.3

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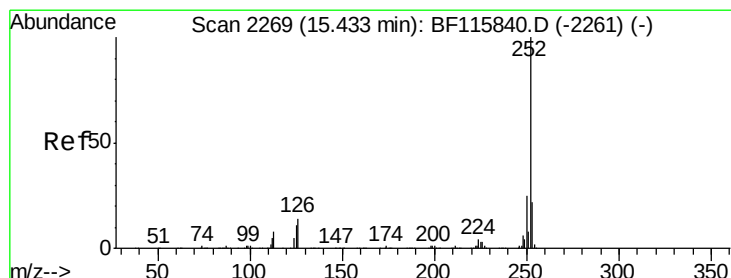
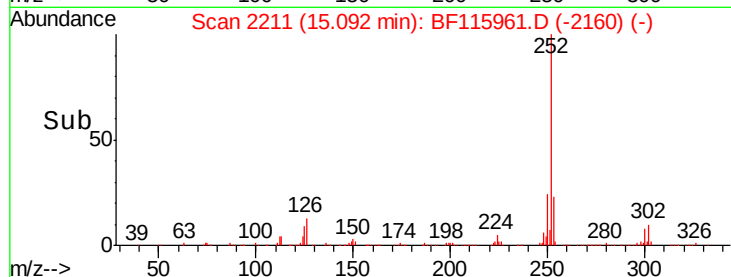
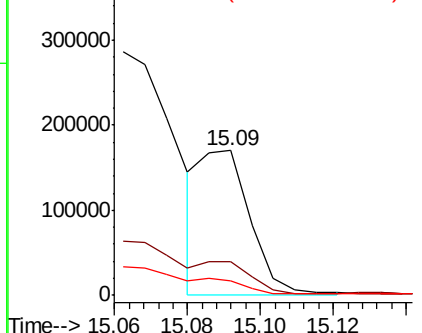


Abundance

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



#90
Benzo(a)pyrene
Concen: 16.197 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

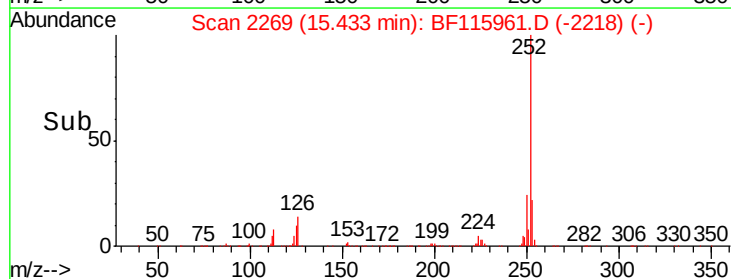
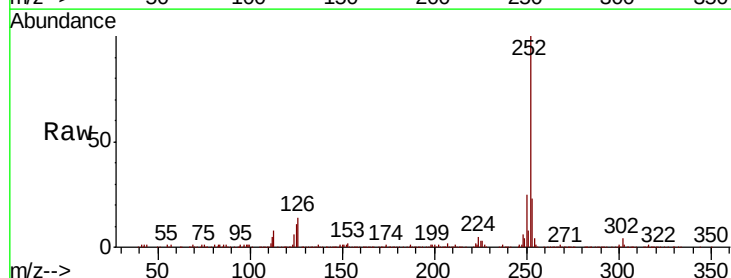
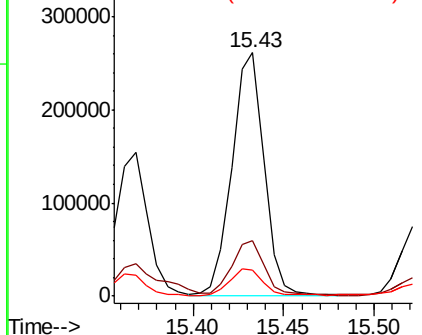
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	10.8	8.8	13.2

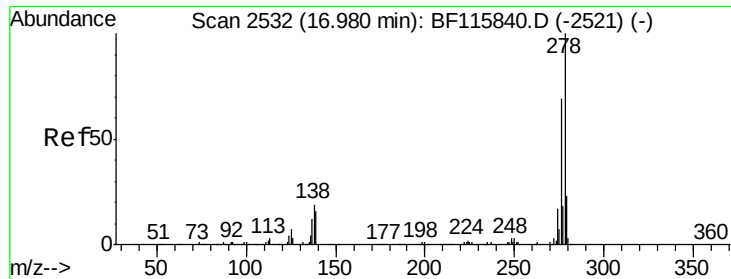
Abundance

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





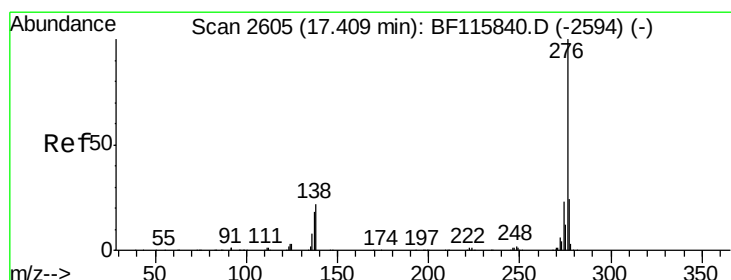
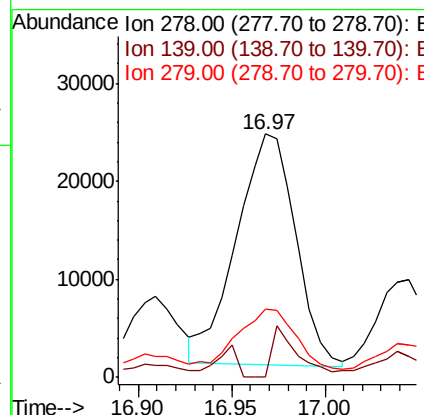
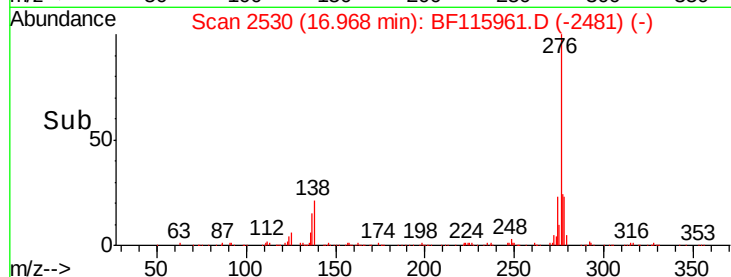
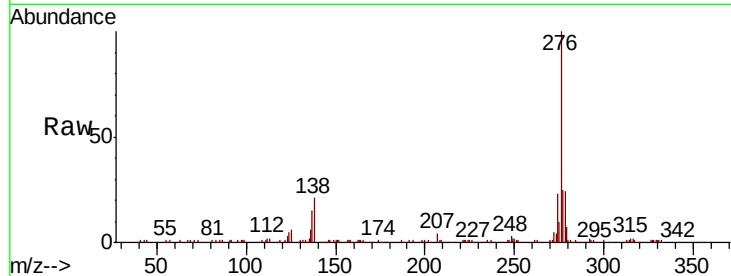
#91
Dibenzo(a,h)anthracene
Concen: 3.017 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	27.8	18.8	28.2

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#92
Benzo(g,h,i)perylene
Concen: 9.919 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF115961.D
Acq: 2 Aug 2019 21:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.5	29.3
138	20.1	17.8	26.8

