

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
 Data File : BF115778.D
 Acq On : 26 Jul 2019 00:26
 Operator : HP/JU
 Sample : K3983-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Manual Integrations
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Quant Time: Jul 26 07:55:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	121809	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	465177	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	240597	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	382719	20.00	ng	0.00
76) Chrysene-d12	14.03	240	296887	20.00	ng	0.00
87) Perylene-d12	15.50	264	366880	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	747586	100.39	ng	0.00
7) Phenol-d6	6.50	99	976309	103.32	ng	0.00
23) Nitrobenzene-d5	7.43	82	595066	74.38	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	249992	89.02	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1021404	74.30	ng	0.00
79) Terphenyl-d14	12.97	244	930947	57.86	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.76	152	69735	3.005	ng	97
50) Dimethylphthalate	9.62	163	226630	12.520	ng	98
52) Acenaphthene	9.94	154	31487	2.102	ng	97
58) Fluorene	10.45	166	52669	3.463	ng	100
71) Phenanthrene	11.42	178	754125	38.441	ng	99
72) Anthracene	11.46	178	186628	9.205	ng	99
73) Carbazole	11.62	167	79315	4.461	ng	98
75) Fluoranthene	12.61	202	1212668	58.496	ng	100
78) Pyrene	12.84	202	1109832	44.123	ng	99
80) Butylbenzylphthalate	13.44	149	35478	3.309	ng	94
81) Benzo(a)anthracene	14.02	228	695513	35.560	ng	96
83) Chrysene	14.06	228	587372	29.915	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	31733	2.389	ng	99
86) Indeno(1,2,3-cd)pyrene	16.98	276	303270	18.180	ng	96
88) Benzo(b)fluoranthene	15.08	252	811032m	34.331	ng	
89) Benzo(k)fluoranthene	15.10	252	279533m	13.272	ng	
90) Benzo(a)pyrene	15.44	252	588119	28.965	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	86816	4.870	ng	# 89
92) Benzo(a,h,i)perylene	17.43	276	291450	16.394	ng	97

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

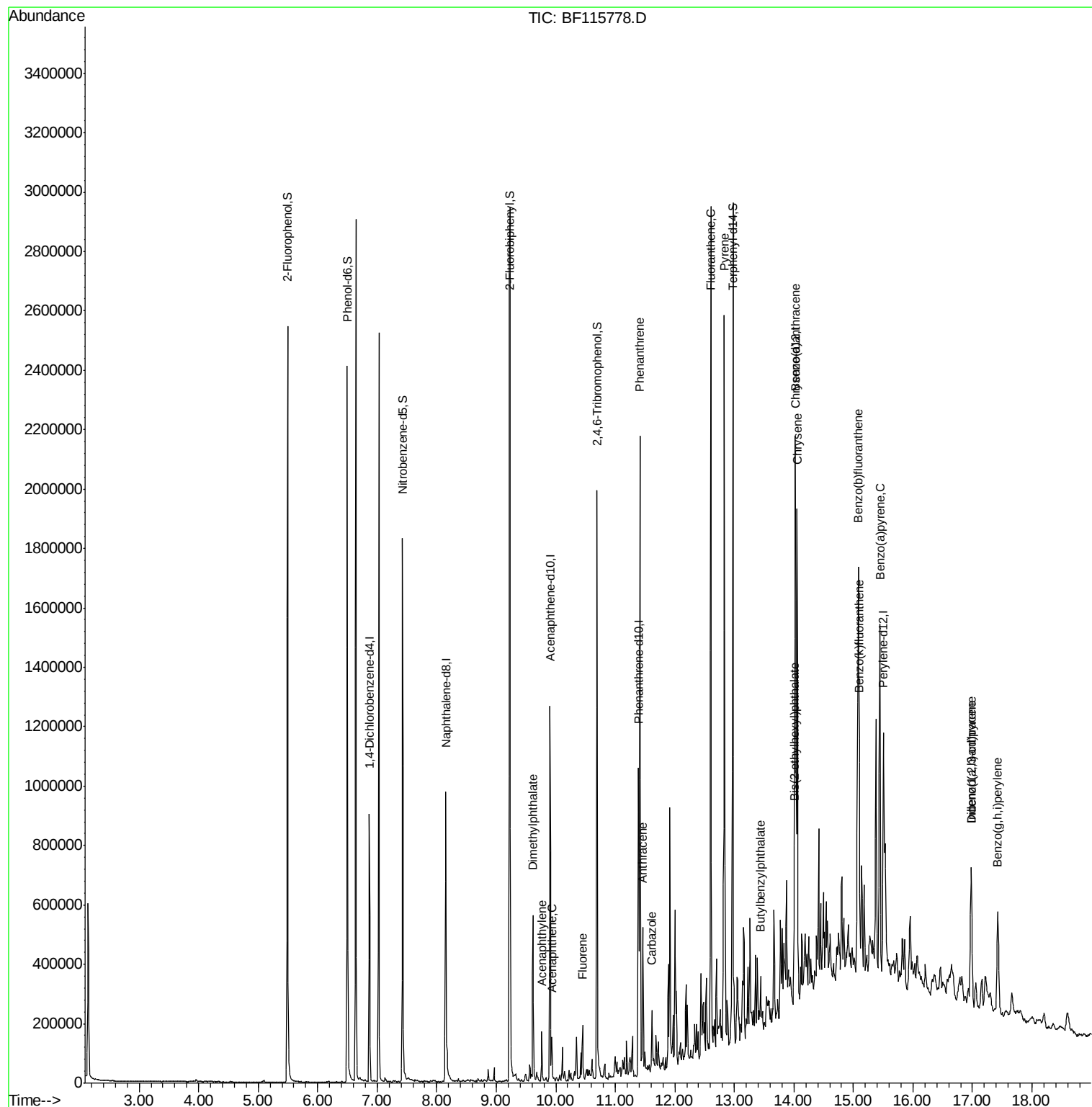
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
Data File : BF115778.D
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ALS Vial : 21 Sample Multiplier: 1

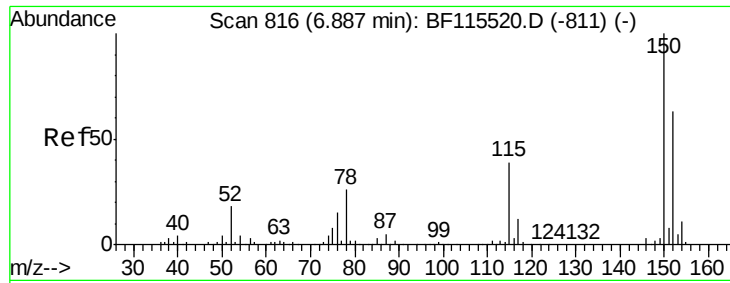
Instrument :
BNA_F
ClientSampled :
SP-4

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Quant Time: Jul 26 07:55:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 13:16:07 2019
Response via : Initial Calibration





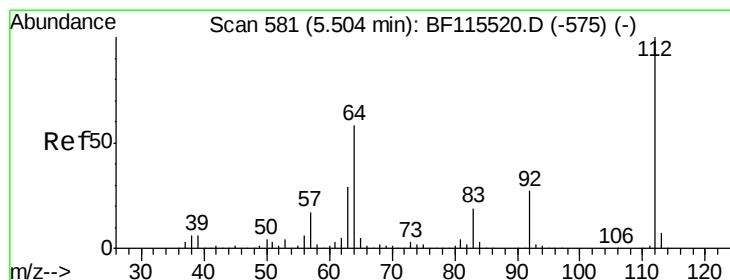
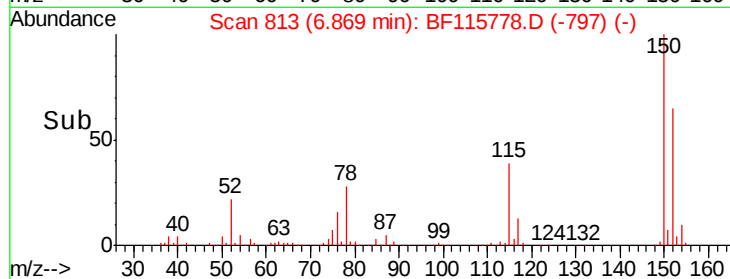
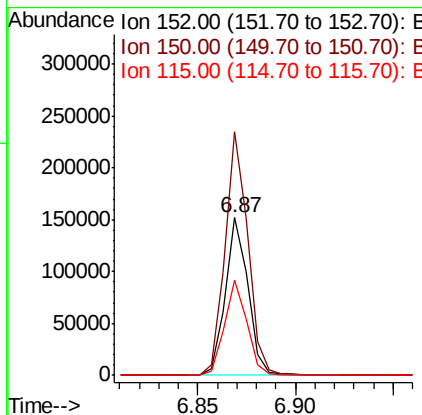
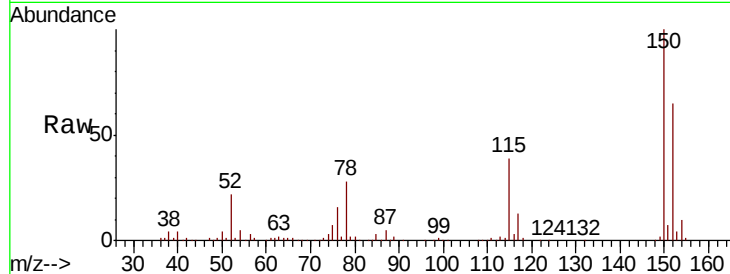
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF115778.D
 Acq: 26 Jul 2019 00:26

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.6	189.8
115	60.5	47.8	71.6

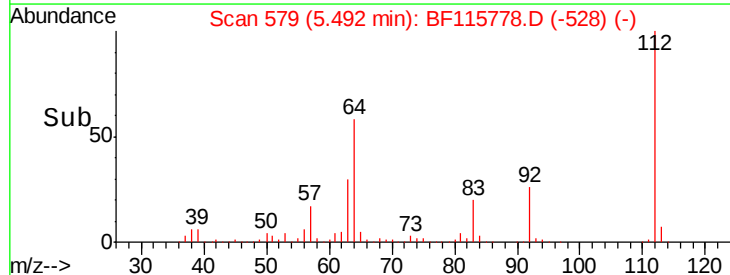
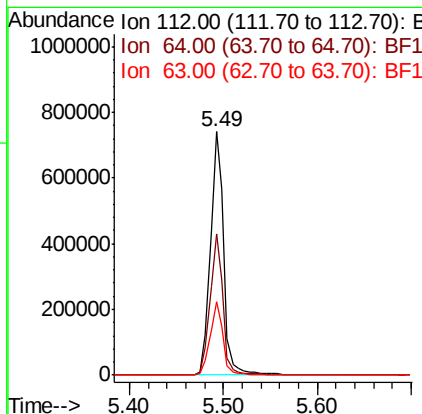
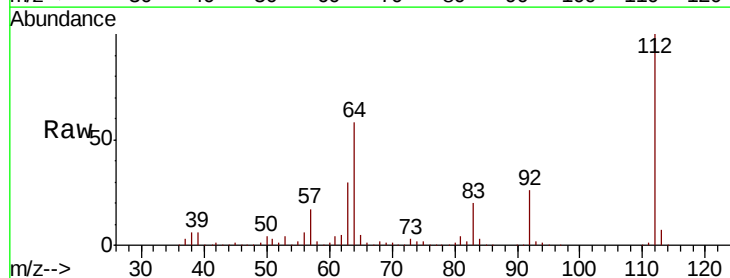
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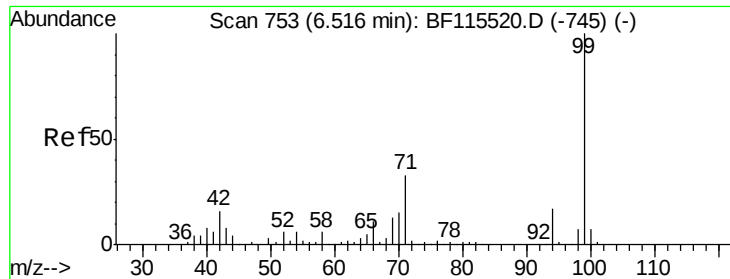
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#5
 2-Fluorophenol
 Concen: 100.389 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF115778.D
 Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	45.8	68.8
63	30.1	23.6	35.4





#7

Phenol-d6

Concen: 103.322 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115778.D

Acq: 26 Jul 2019 00:26

Instrument :

BNA_F

ClientSampleId :

SP-4

Tot Ion: 99 Resp: 976309

Ion Ratio Lower Upper

99 100

42 16.6 13.4 20.2

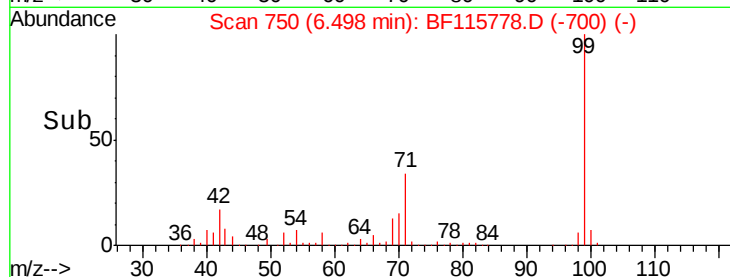
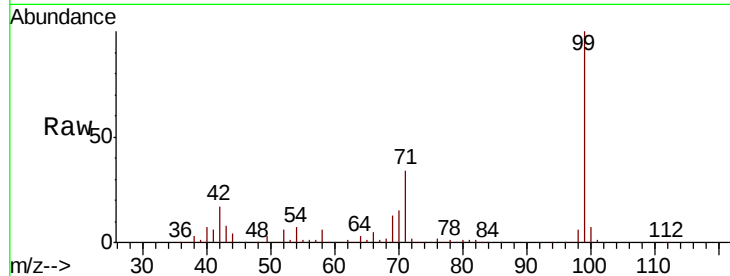
71 33.8 26.7 40.1

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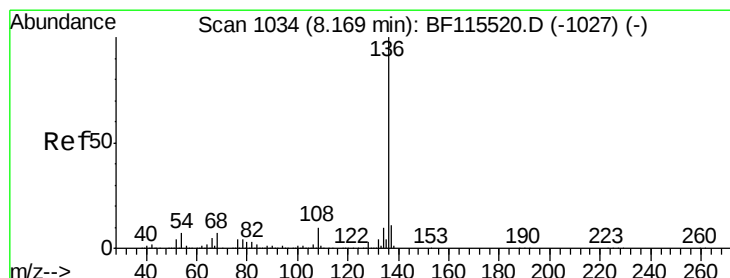
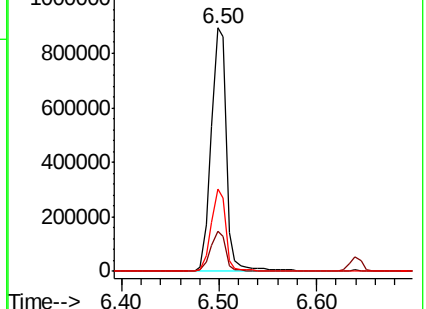
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF115778.D

Acq: 26 Jul 2019 00:26

Tgt Ion: 136 Resp: 465177

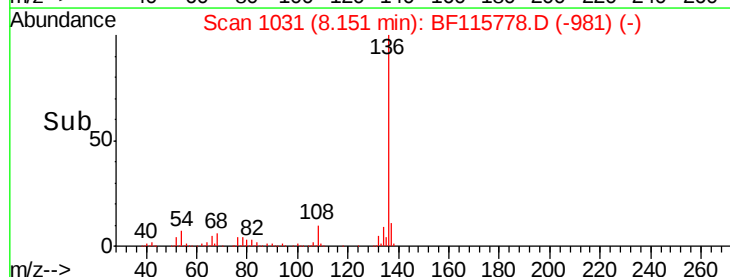
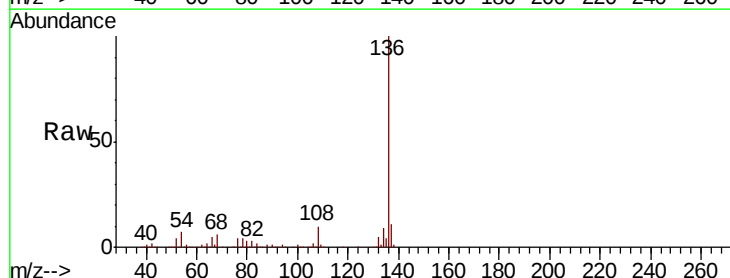
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.7 5.0 7.6

68 5.6 4.7 7.1

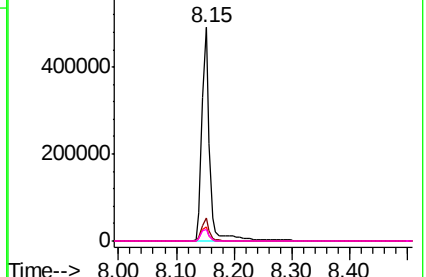


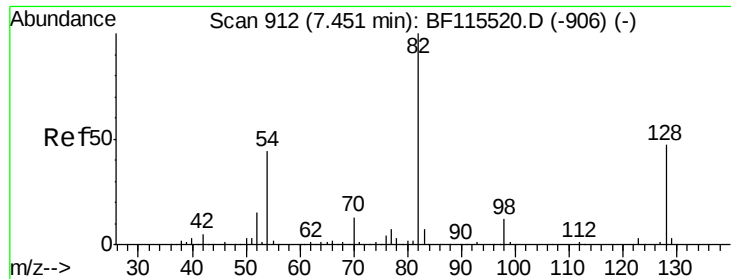
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





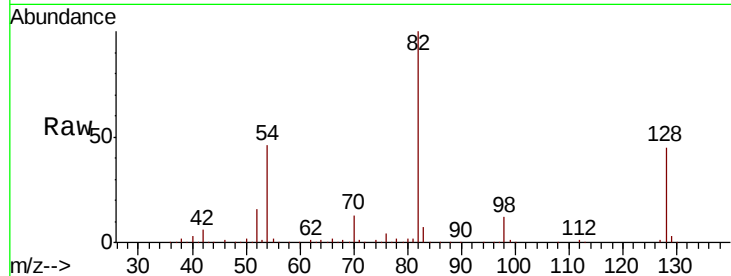
#23
Nitrobenzene-d5
Concen: 74.383 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Instrument :
BNA_F
ClientSampled :
SP-4

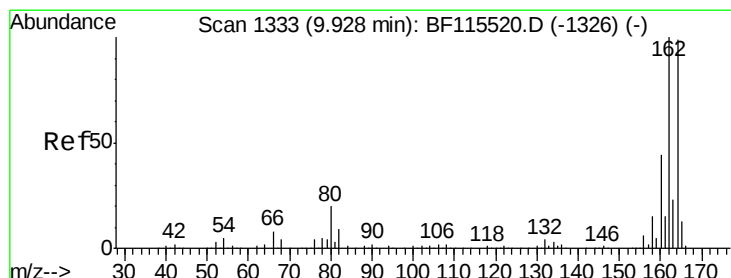
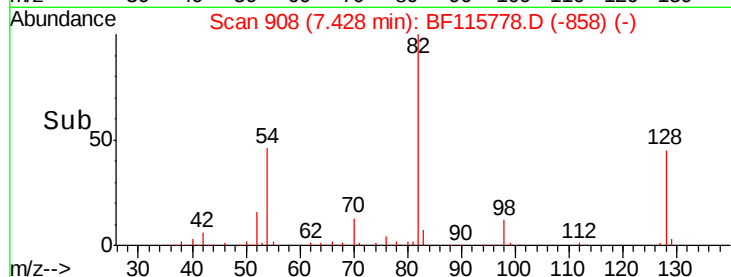
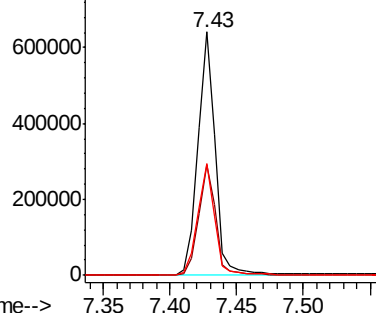
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	36.6	55.0	
54	45.8	36.6	54.8	

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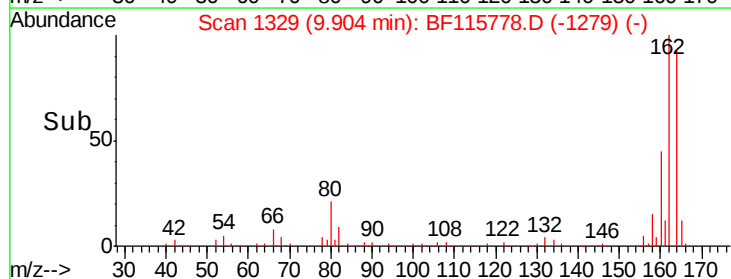
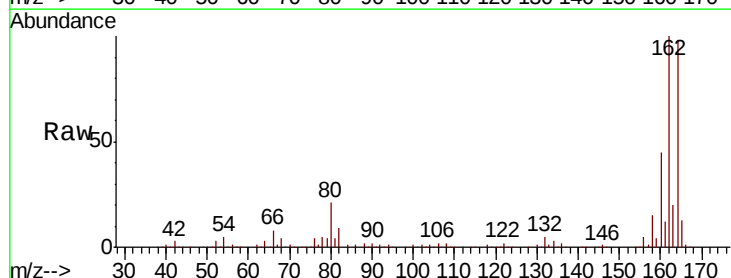
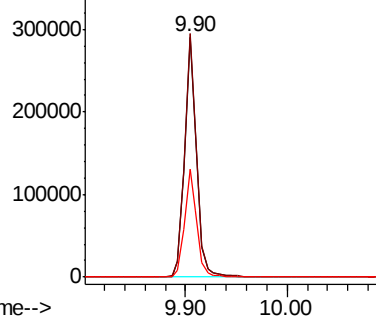
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

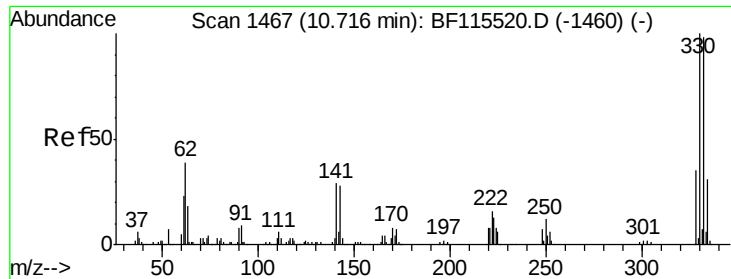


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	81.8	122.6	
160	45.2	37.5	56.3	

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





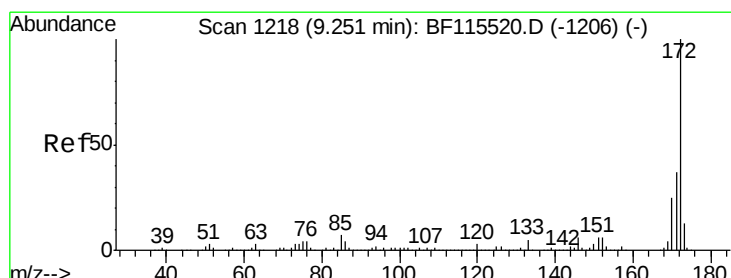
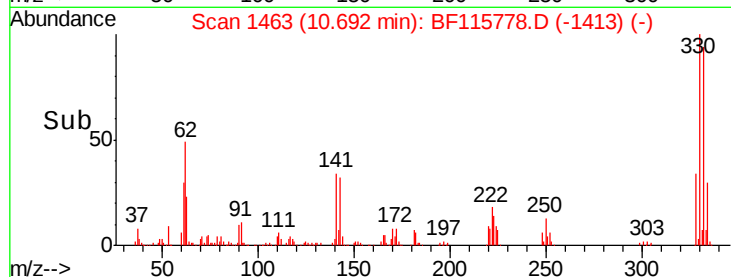
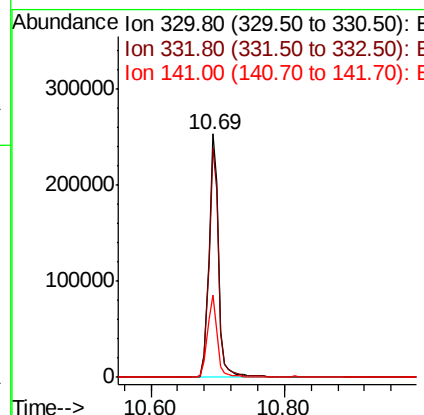
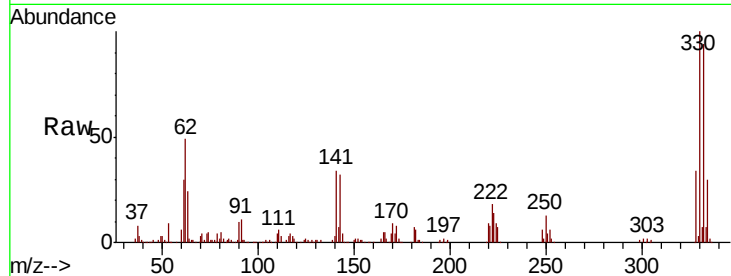
#42
 2,4,6-Tribromophenol
 Concen: 89.017 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF115778.D
 Acq: 26 Jul 2019 00:26

Instrument :
 BNA_F
 ClientSampled :
 SP-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	249992		
332	94.9	76.1	114.1	
141	34.3	25.9	38.9	

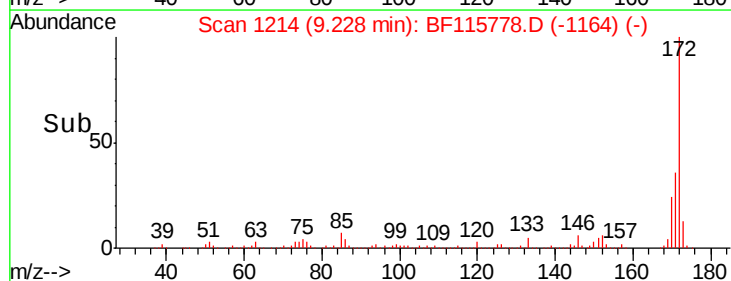
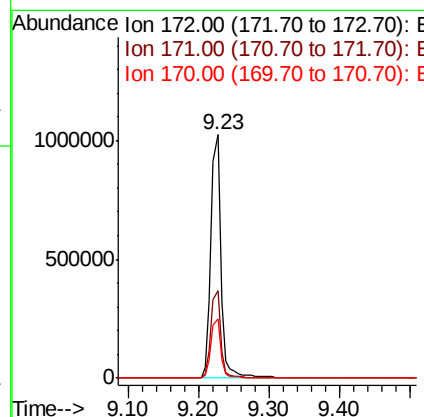
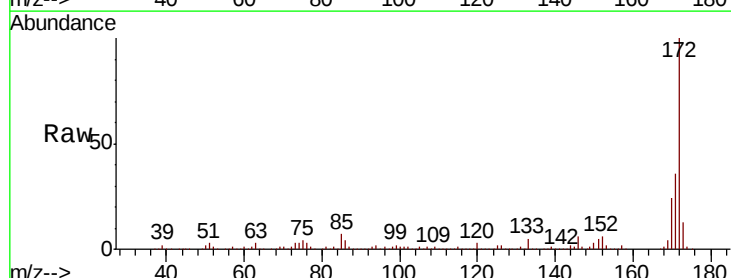
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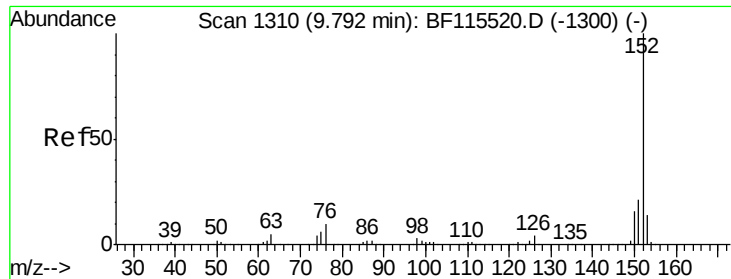
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#45
 2-Fluorobiphenyl
 Concen: 74.305 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF115778.D
 Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1021404		
171	35.8	29.0	43.4	
170	24.2	20.1	30.1	





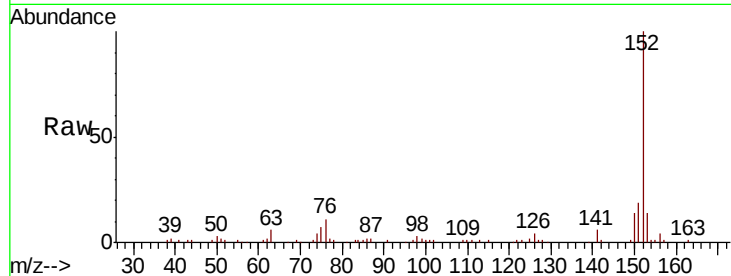
#49
Acenaphthylene
Concen: 3.005 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.9	25.3
153	13.6	11.5	17.3

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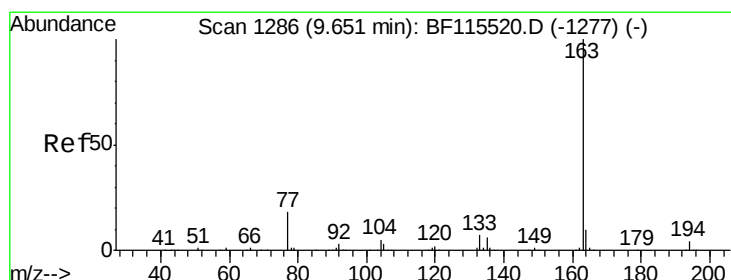
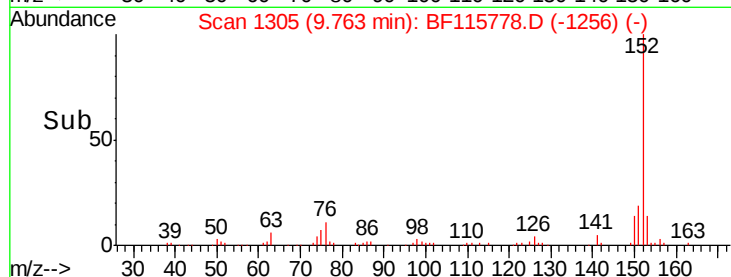
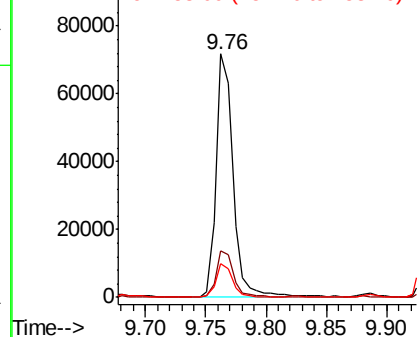


Abundance

Ion 152.00 (151.70 to 152.70): E

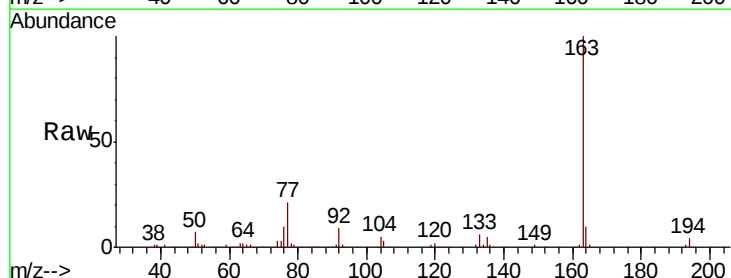
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 12.520 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.2	4.8
164	9.8	8.3	12.5

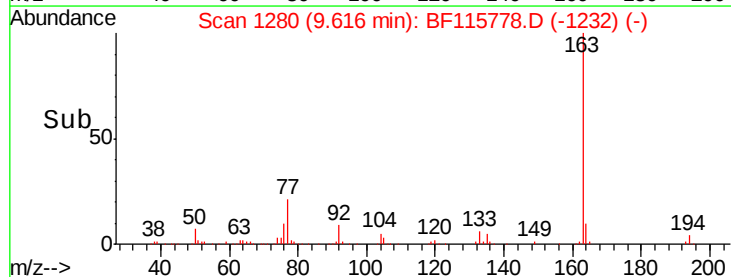
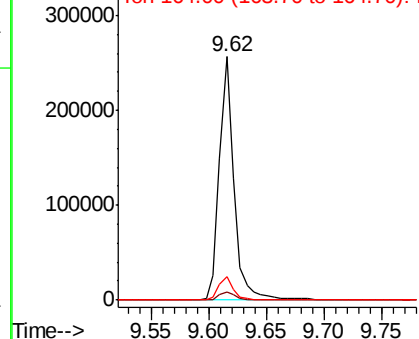


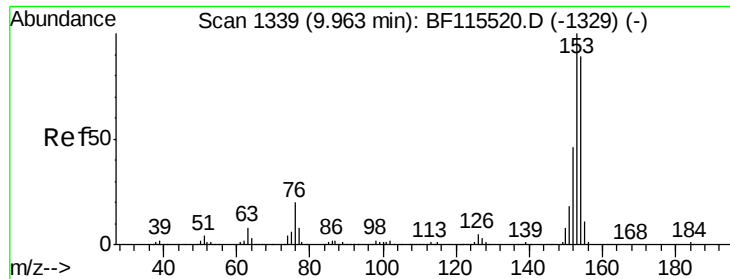
Abundance

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





#52

Acenaphthene

Concen: 2.102 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF115778.D

Acq: 26 Jul 2019 00:26

Instrument :

BNA_F

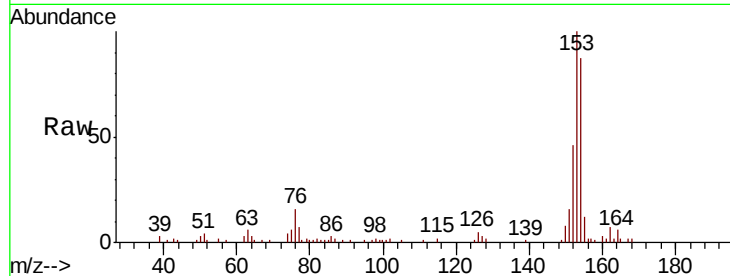
ClientSampleId :

SP-4

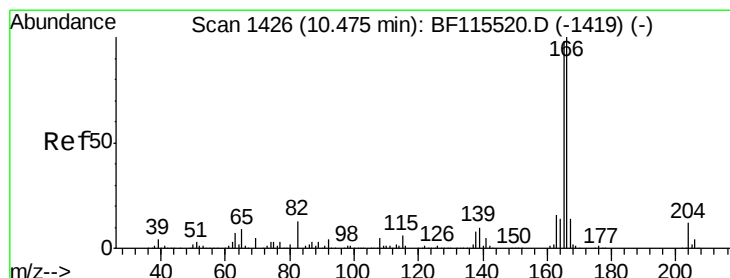
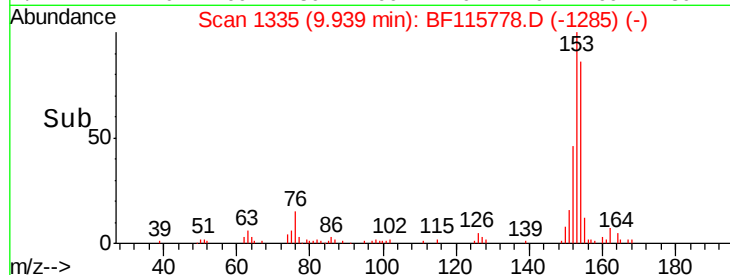
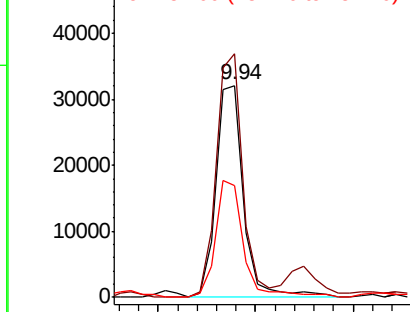
Tot Ion:	154	Resp:	31487
Ion Ratio	Lower	Upper	
154	100		
153	115.0	88.1	132.1
152	52.8	42.0	63.0

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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



#58

Fluorene

Concen: 3.463 ng

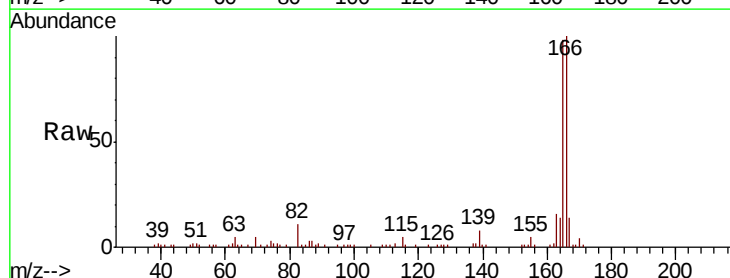
RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

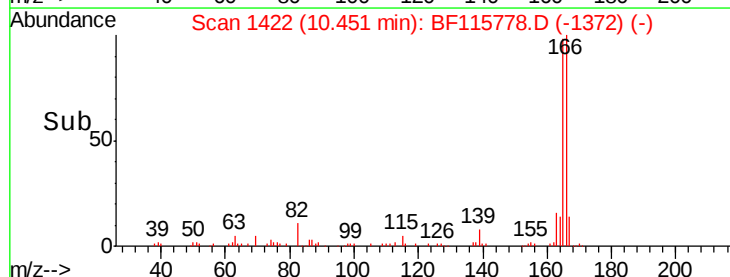
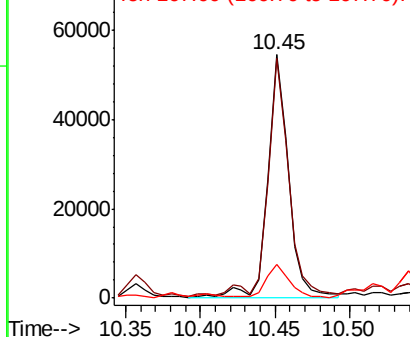
Lab File: BF115778.D

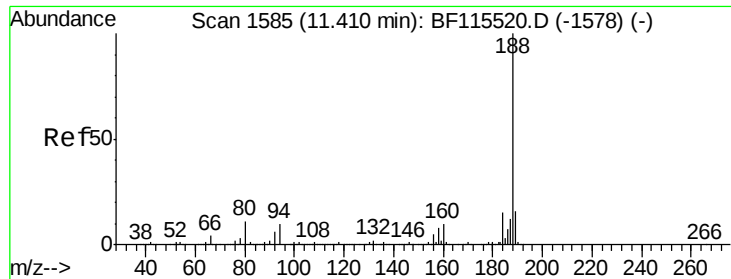
Acq: 26 Jul 2019 00:26

Tgt Ion:	166	Resp:	52669
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.0	118.4
167	14.1	11.0	16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





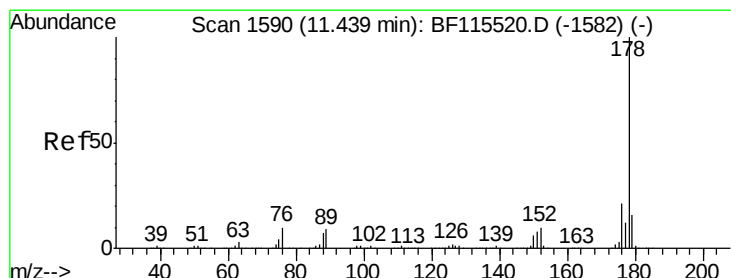
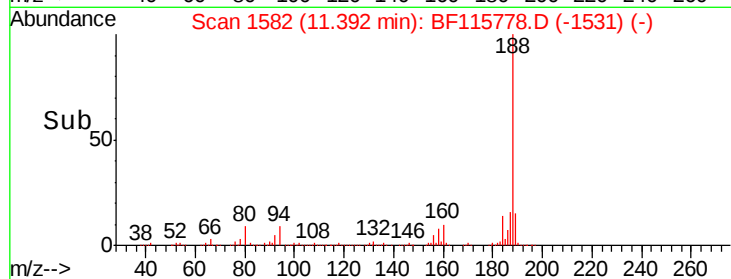
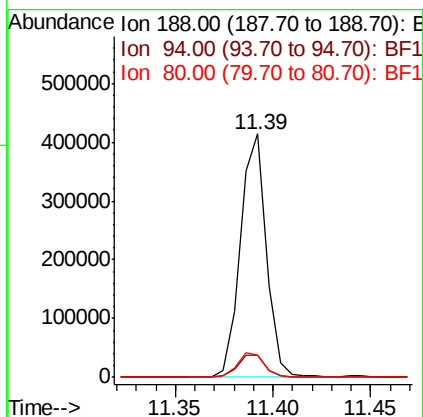
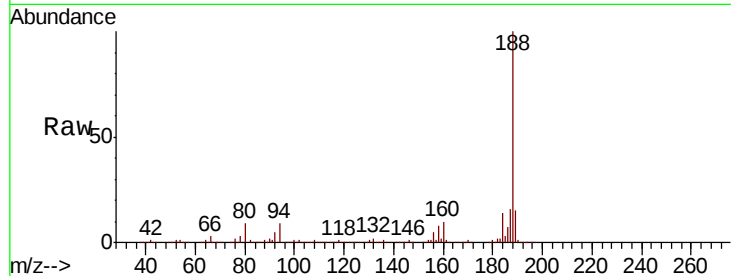
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Instrument :
BNA_F
ClientSampled :
SP-4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	8.2	12.2
80	9.2	9.0	13.6

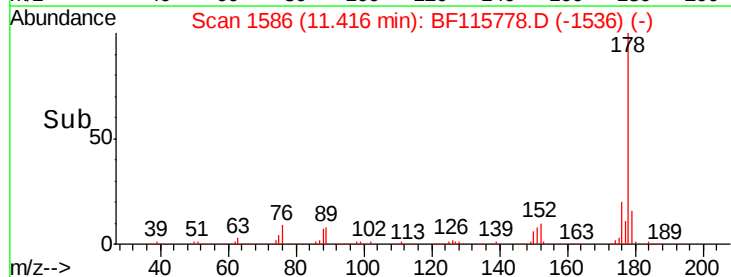
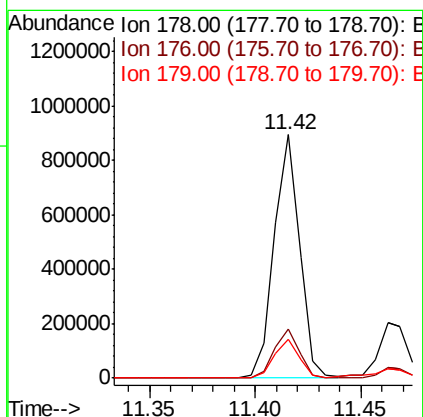
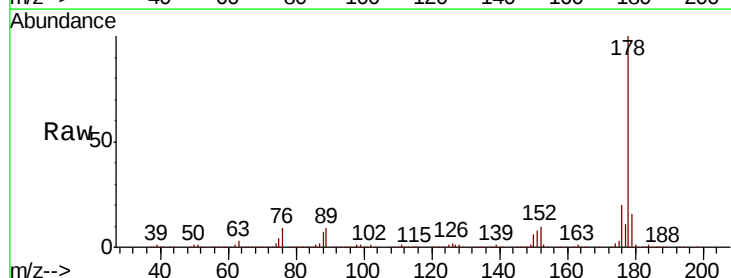
Manual Integrations
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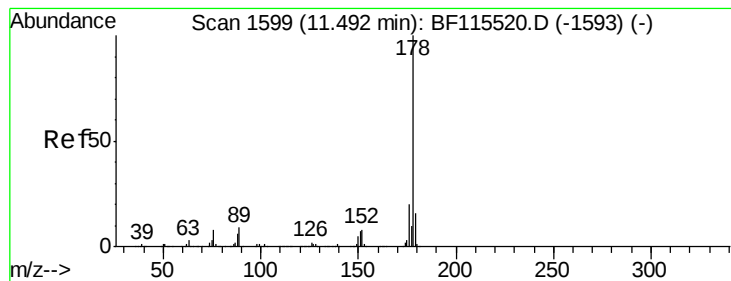
mohammad
7/26/2019 3:23:31 PM



#71
Phenanthrene
Concen: 38.441 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.2	16.4	24.6
179	16.0	12.7	19.1





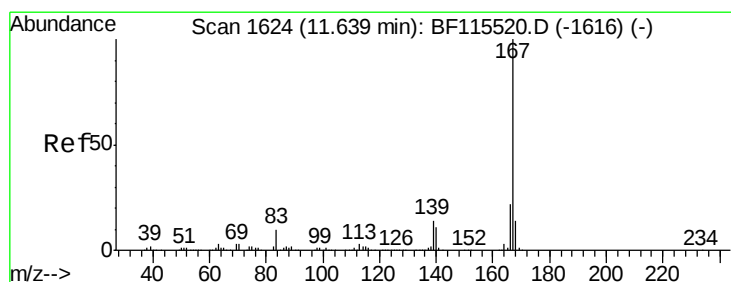
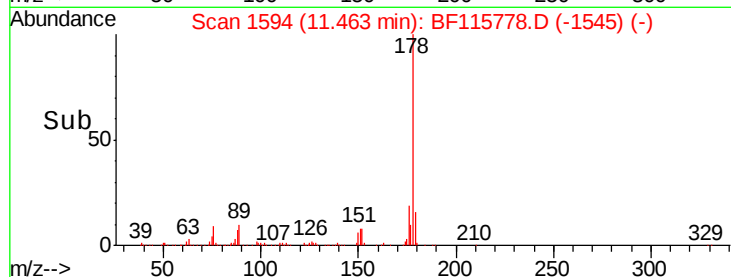
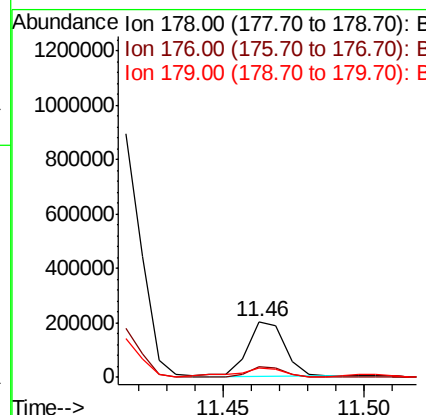
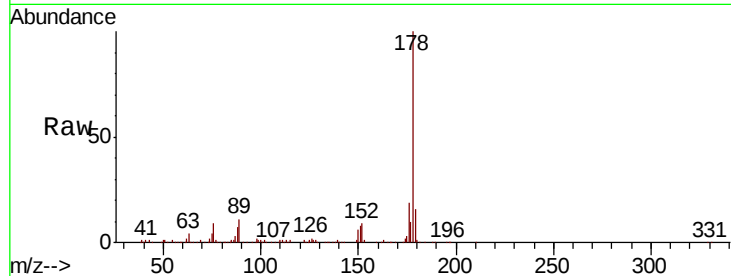
#72
 Anthracene
 Concen: 9.205 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF115778.D
 Acq: 26 Jul 2019 00:26

Instrument :
 BNA_F
 ClientSampled :
 SP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.1	24.1
179	16.2	12.6	18.8

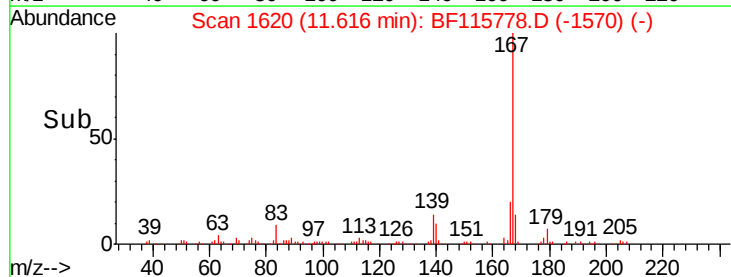
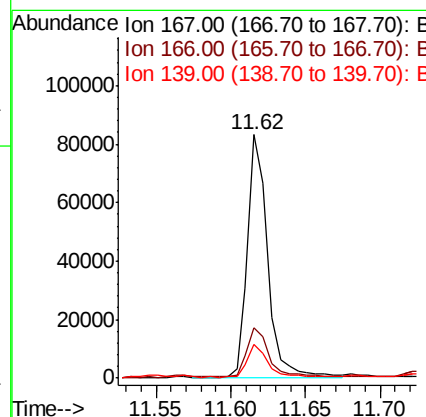
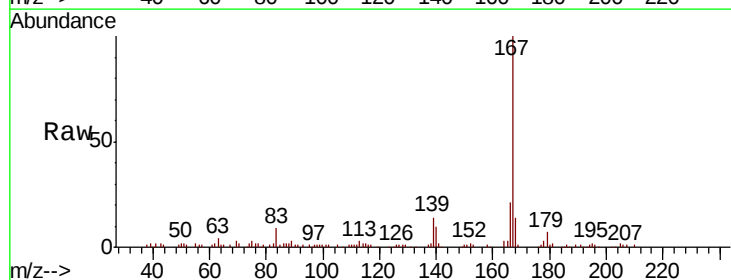
Manual Integrations
 APPROVED

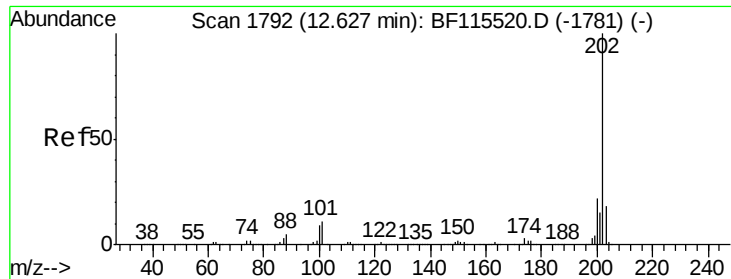
mohammad
 7/26/2019 3:23:31 PM



#73
 Carbazole
 Concen: 4.461 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF115778.D
 Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	18.0	27.0
139	13.9	11.1	16.7





#75

Fluoranthene

Concen: 58.496 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BF115778.D

Acq: 26 Jul 2019 00:26

Instrument :

BNA_F

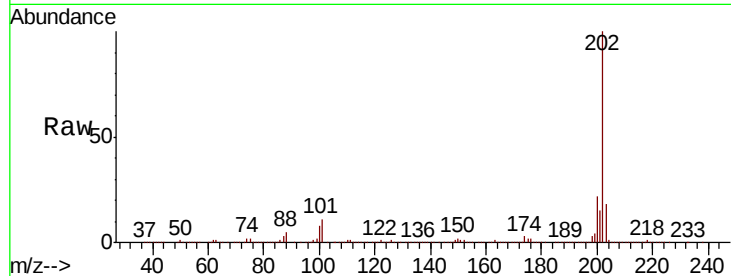
ClientSampleId :

SP-4

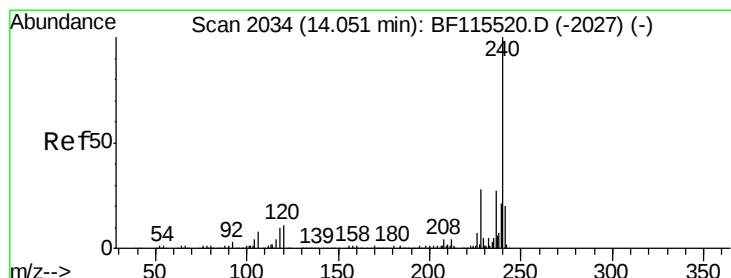
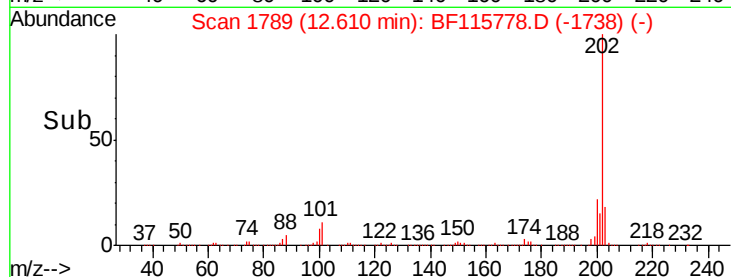
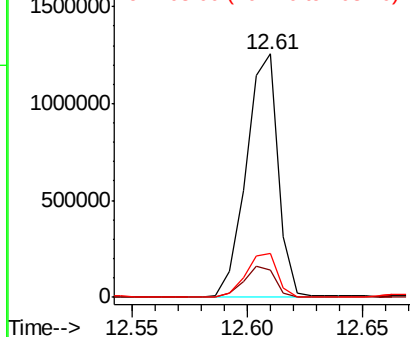
Tot Ion:	202	Resp:	1212668
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.6
203	17.9	0.0	38.0

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

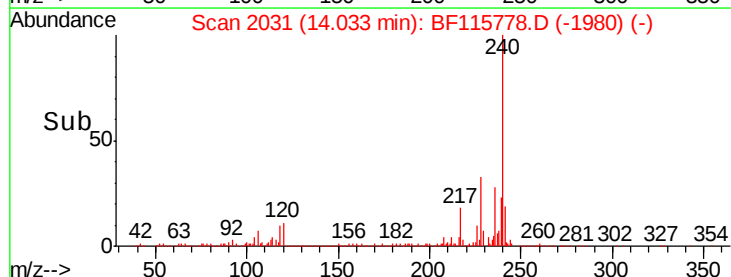
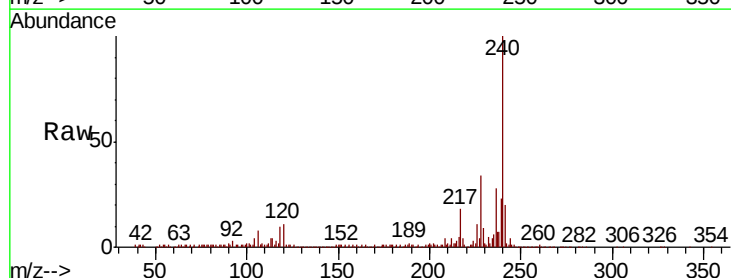
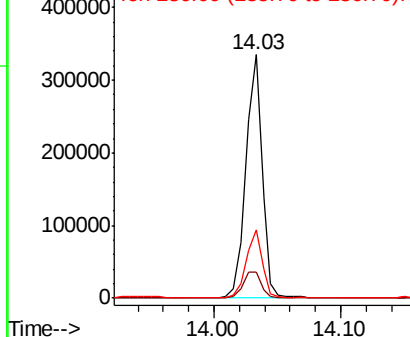
Delta R.T. 0.00 min

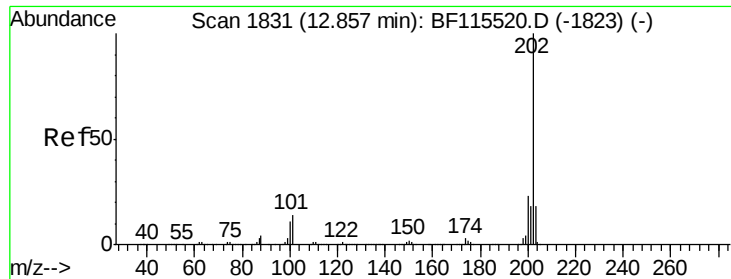
Lab File: BF115778.D

Acq: 26 Jul 2019 00:26

Tgt Ion:	240	Resp:	296887
Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.0	15.0
236	27.9	21.8	32.6

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





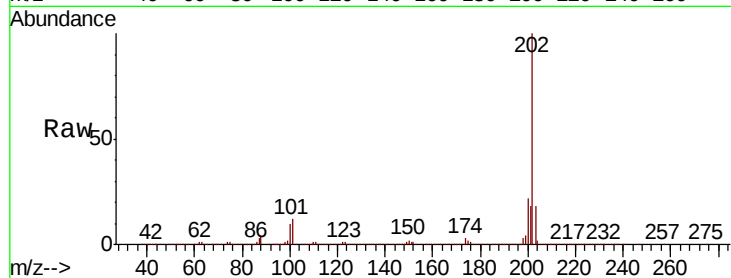
#78
Pvrene
Concen: 44.123 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Instrument :
BNA_F
ClientSampled :
SP-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.2	27.4
203	18.1	14.6	21.8

Manual Integrations
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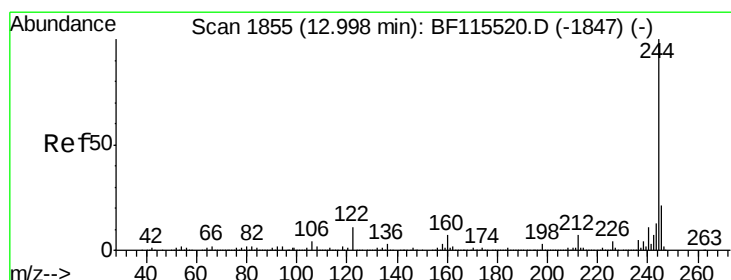
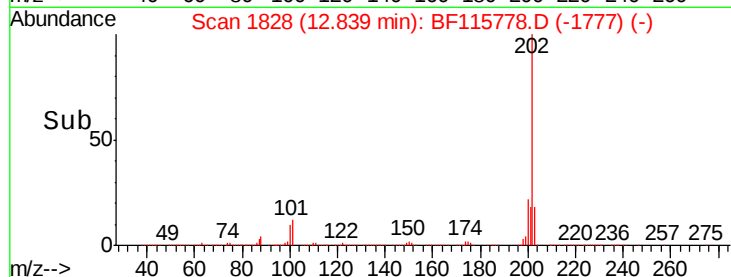
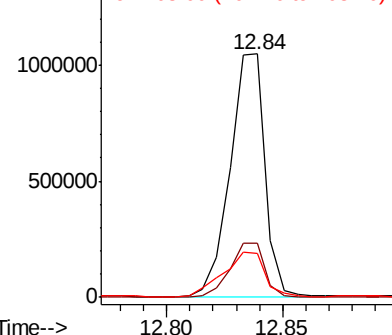


Abundance

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: 57.859 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

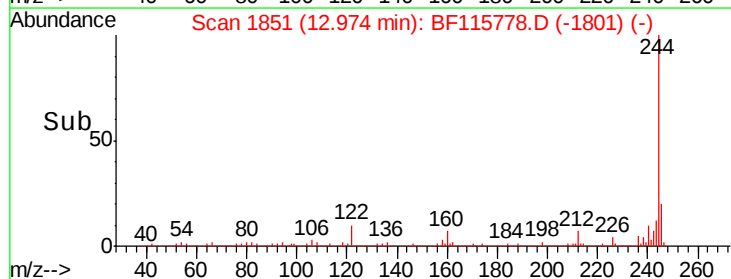
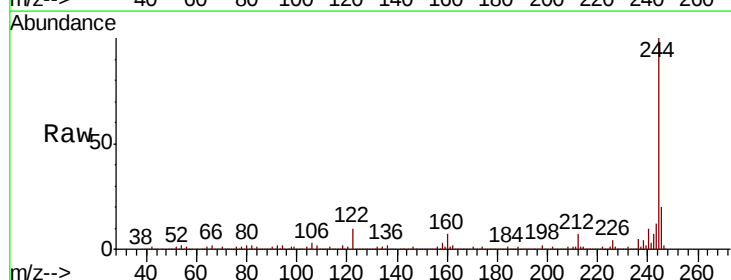
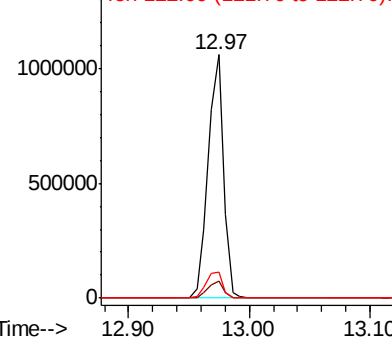
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	10.4	8.2	12.4

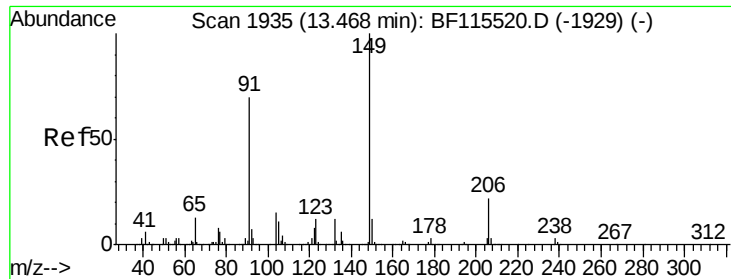
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





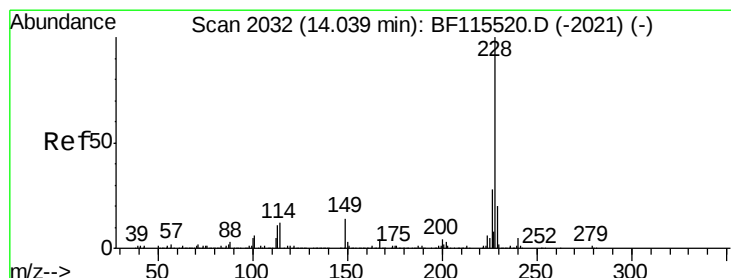
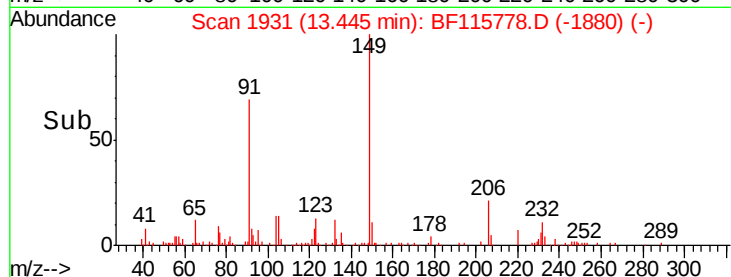
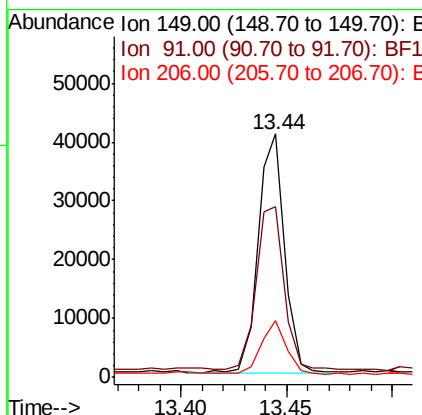
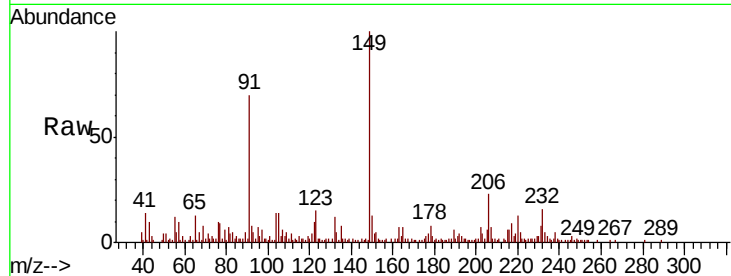
#80
Butylbenzylphthalate
Concen: 3.309 ng
RT: 13.44 min Scan# 1931
Delta R.T. 0.00 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Instrument :
BNA_F
ClientSampled :
SP-4

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.2	59.8	89.8
206	23.1	16.2	24.4

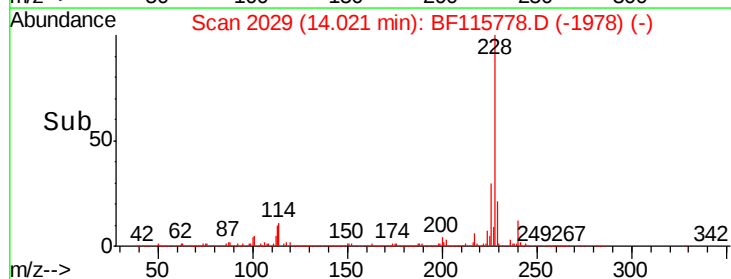
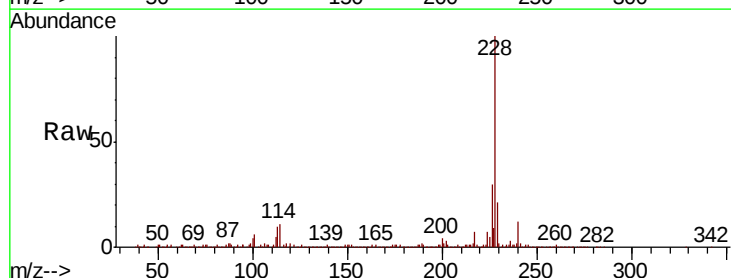
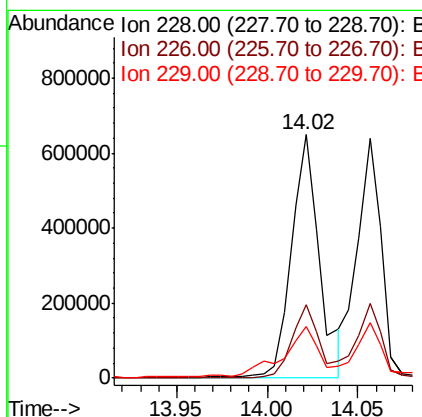
Manual Integrations
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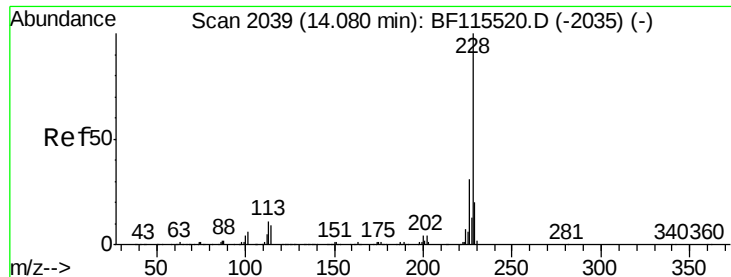
mohammad
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#81
Benzo(a)anthracene
Concen: 35.560 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.2	33.2
229	21.2	16.1	24.1





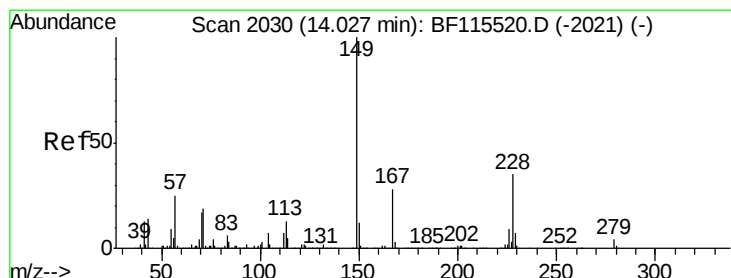
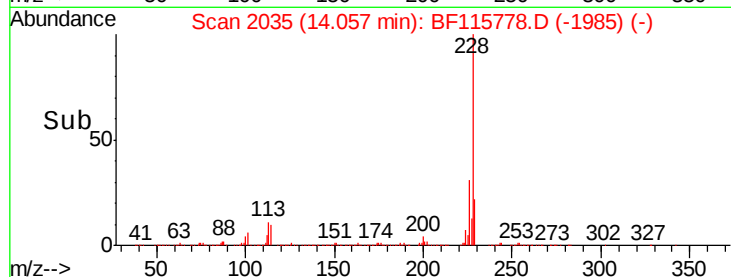
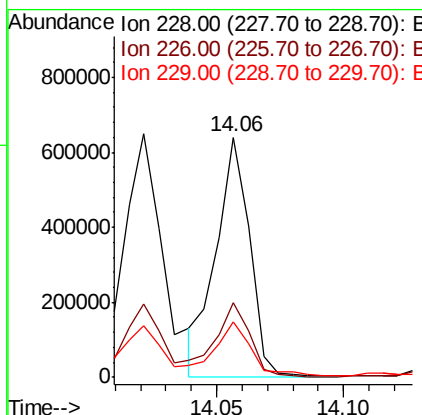
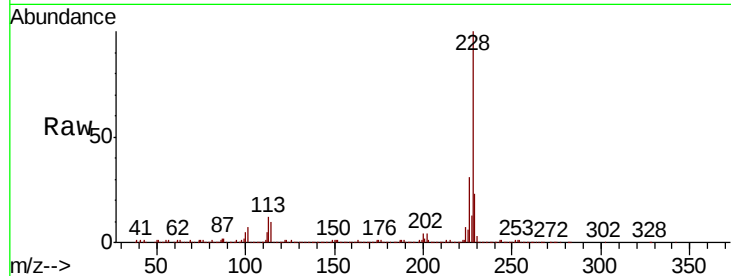
#83
Chrysene
Concen: 29.915 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.4
229	23.0	16.2	24.2

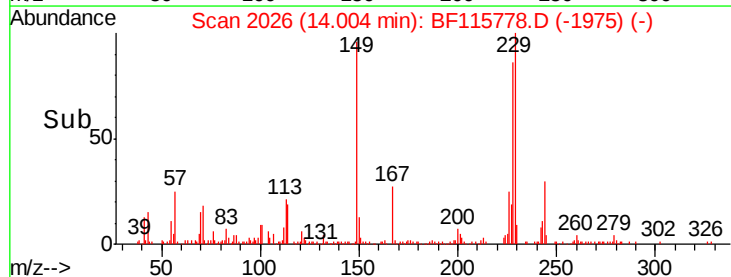
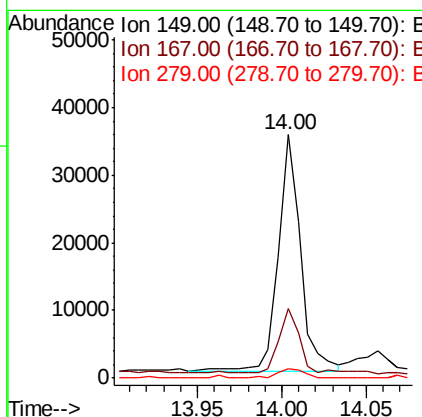
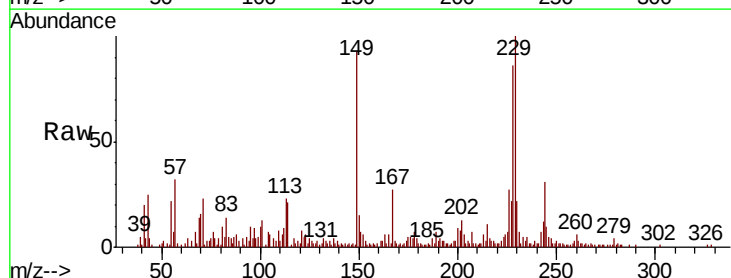
Manual Integrations
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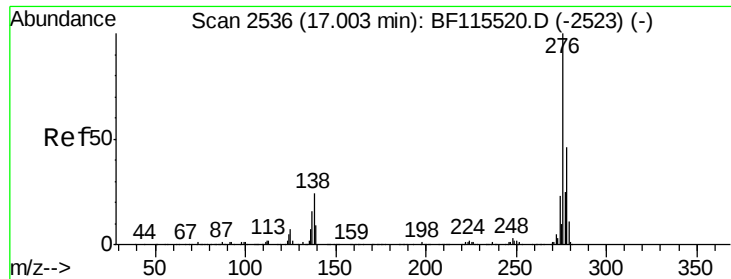
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.389 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.5	33.7
279	3.8	3.1	4.7





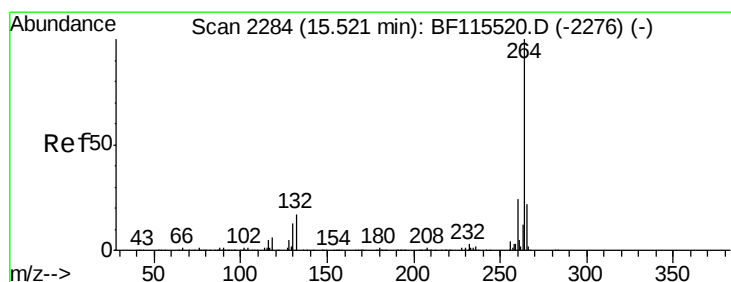
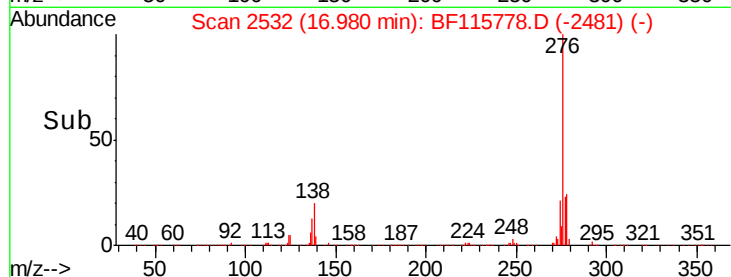
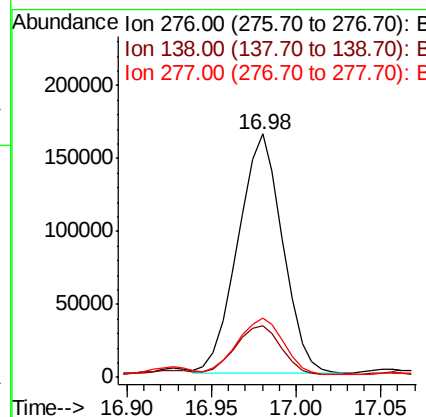
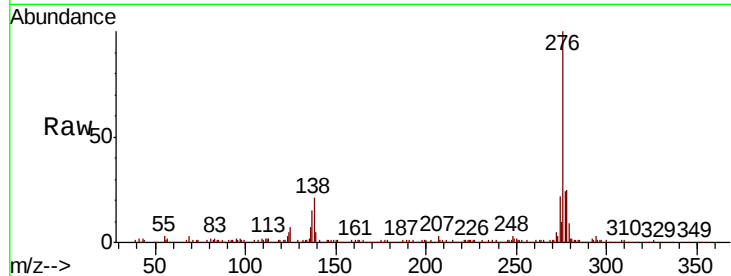
#86
Indeno(1,2,3-cd)pyrene
Concen: 18.180 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.00 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.1	30.1
277	24.7	19.8	29.8

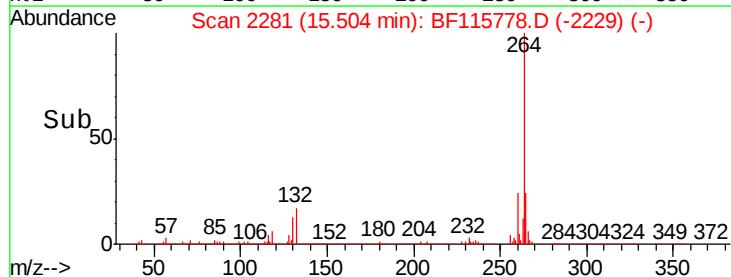
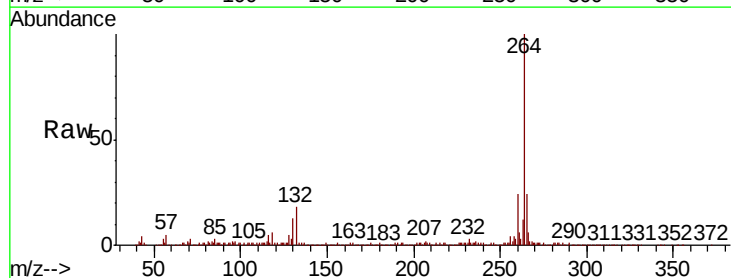
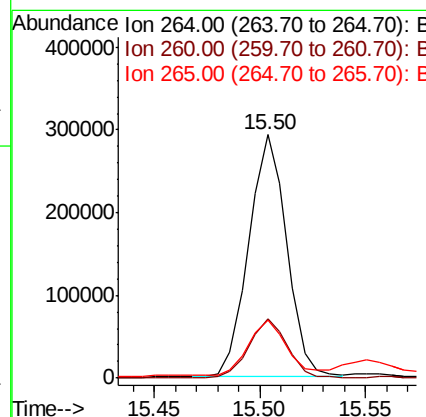
Manual Integrations
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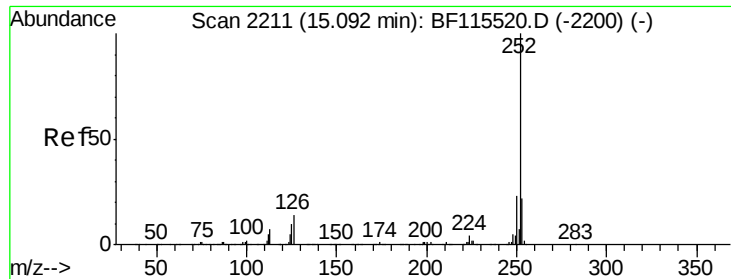
mohammad
7/26/2019 3:23:31 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.6
265	23.9	17.5	26.3





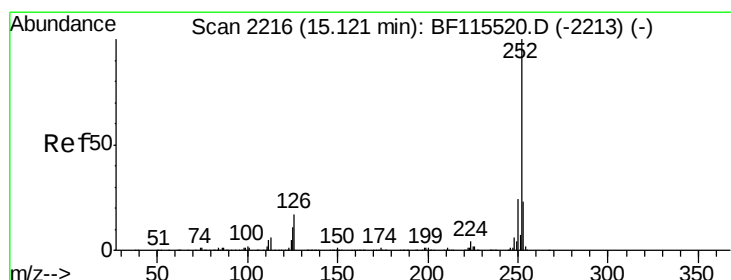
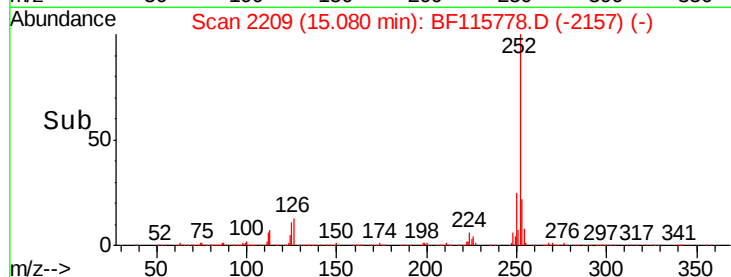
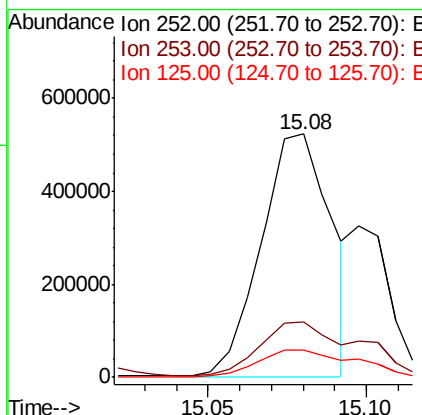
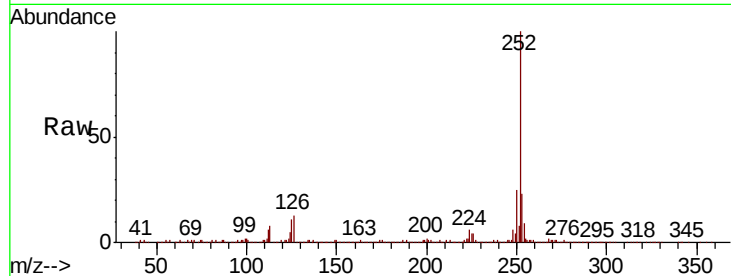
#88
Benzo(b)fluoranthene
Concen: 34.331 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	11.5	8.4	12.6

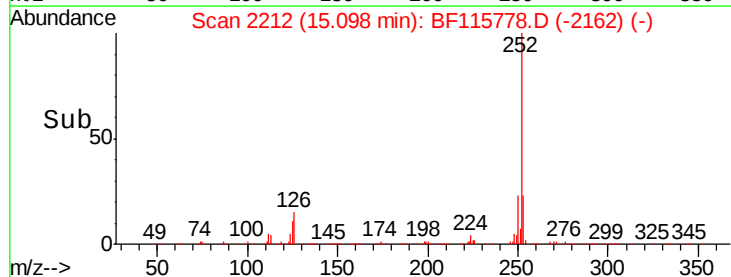
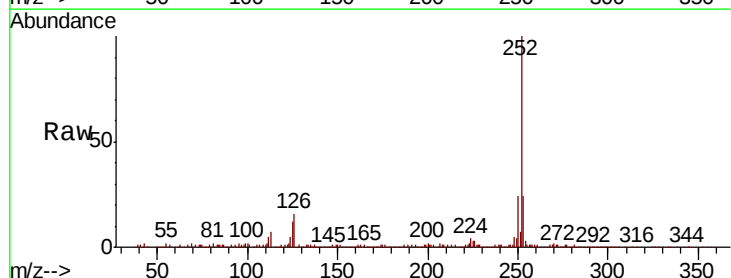
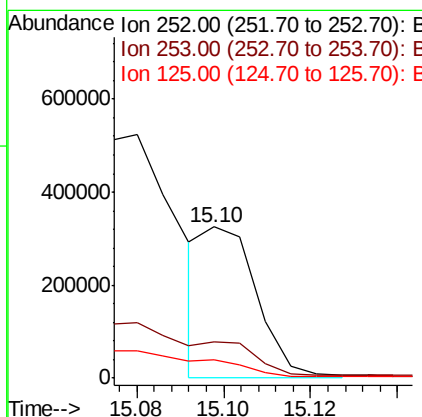
Manual Integrations
APPROVED

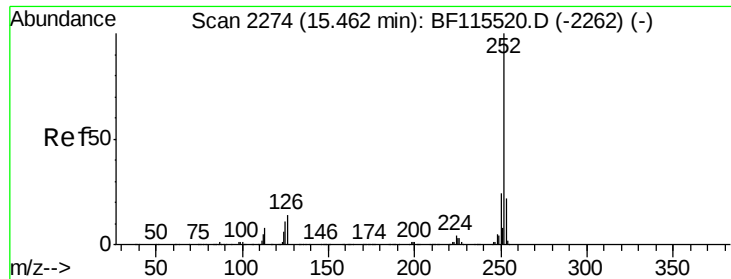
mohammad
7/26/2019 3:23:31 PM



#89
Benzo(k)fluoranthene
Concen: 13.272 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	12.0	8.6	13.0





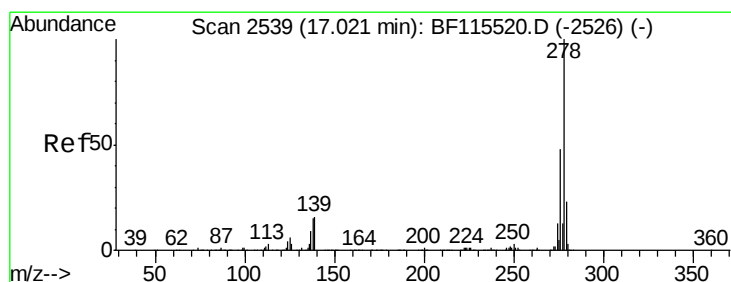
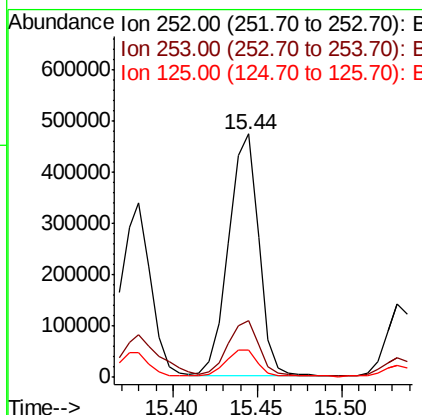
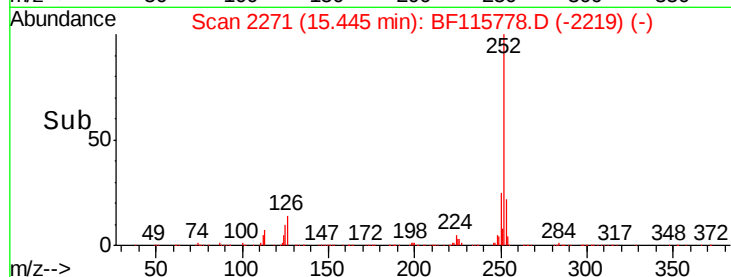
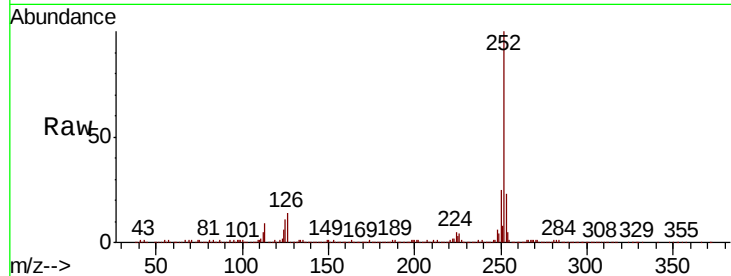
#90
Benzo(a)pyrene
Concen: 28.965 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Instrument :
BNA_F
ClientSampled :
SP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	11.0	9.4	14.2

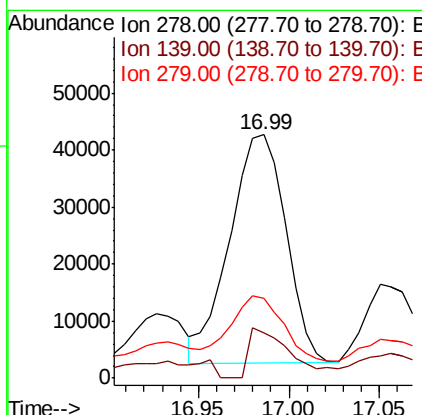
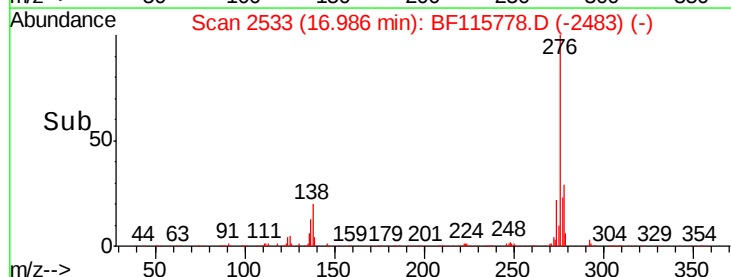
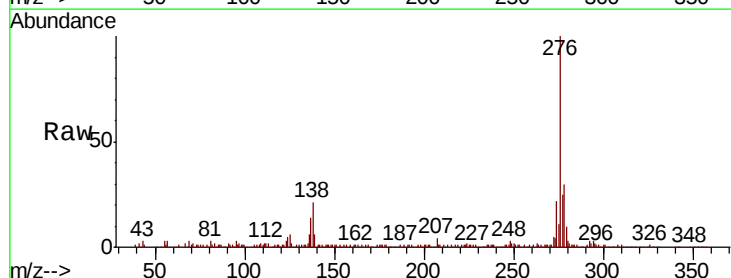
Manual Integrations
APPROVED

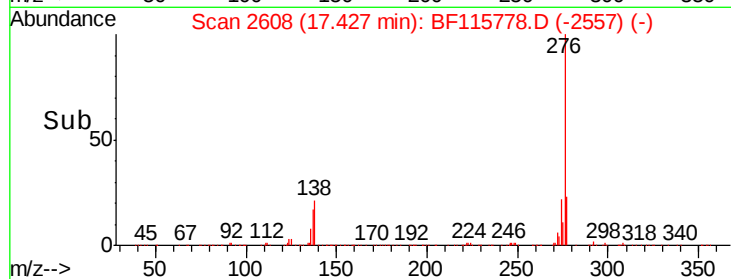
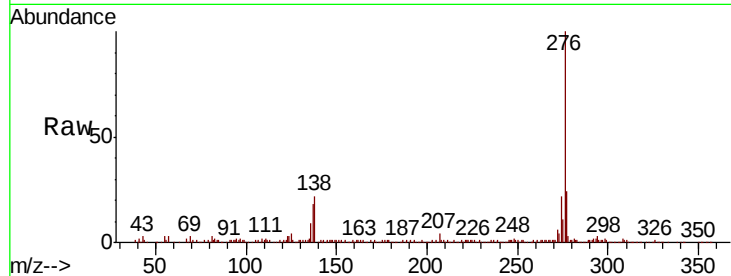
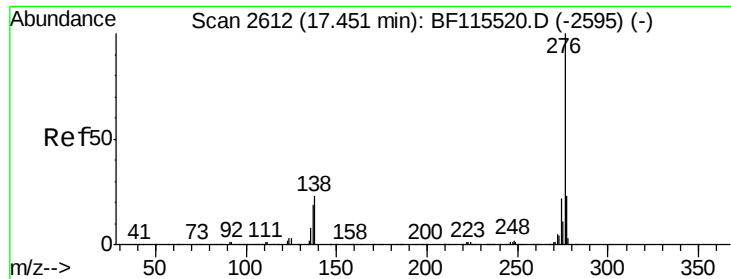
mohammad
7/26/2019 3:23:31 PM



#91
Dibenzo(a,h)anthracene
Concen: 4.870 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF115778.D
Acq: 26 Jul 2019 00:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	13.6	20.4
279	32.7	19.6	29.4#





#92
 Benzo(a,h,i)perylene
 Concen: 16.394 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: BF115778.D
 Acq: 26 Jul 2019 00:26

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.5	18.1	27.1	
138	21.8	16.6	24.8	

Manual Integrations
 APPROVED

mohammad
 7/26/2019 3:23:31 PM

