

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
 Data File : BF115811.D
 Acq On : 27 Jul 2019 2:19
 Operator : HP/JU
 Sample : K3626-09 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-A

Manual Integrations
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Quant Time: Jul 27 04:01:06 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	134024	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	512963	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	246823	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	372101	20.00	ng	0.00
76) Chrysene-d12	14.03	240	309006	20.00	ng	0.00
87) Perylene-d12	15.50	264	331601	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	165427	20.19	ng	0.00
7) Phenol-d6	6.50	99	224358	21.58	ng	0.00
23) Nitrobenzene-d5	7.43	82	130411	14.78	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	39240	13.62	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	249036	17.66	ng	-0.01
79) Terphenyl-d14	12.97	244	220594	13.17	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.17	128	508080	20.452	ng	98
37) 2-Methylnaphthalene	8.86	142	147894	8.981	ng	99
38) 1-Methylnaphthalene	8.96	142	100596	6.431	ng	98
46) 1,1'-Biphenyl	9.33	154	49055	2.542	ng	98
49) Acenaphthylene	9.77	152	75132	3.156	ng	99
50) Dimethylphthalate	9.62	163	59968	3.229	ng	100
52) Acenaphthene	9.94	154	257447	16.749	ng	97
55) Dibenzofuran	10.11	168	306196	14.028	ng	98
58) Fluorene	10.45	166	374894	24.025	ng	99
71) Phenanthrene	11.42	178	1824040	95.632	ng	99
72) Anthracene	11.47	178	705901	35.811	ng	100
73) Carbazole	11.62	167	156820	9.072	ng	98
75) Fluoranthene	12.62	202	2055928	102.002	ng	98
78) Pyrene	12.84	202	1902249	72.660	ng	99
81) Benzo(a)anthracene	14.03	228	1076632	52.887	ng	96
83) Chrysene	14.06	228	898929	43.987	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	358029	20.621	ng	97
88) Benzo(b)fluoranthene	15.08	252	1179629m	55.246	ng	
89) Benzo(k)fluoranthene	15.10	252	326750m	17.164	ng	
90) Benzo(a)pyrene	15.45	252	807944	44.024	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	93982m	5.833	ng	
92) Benzo(g,h,i)perylene	17.43	276	337693	21.016	ng	98

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

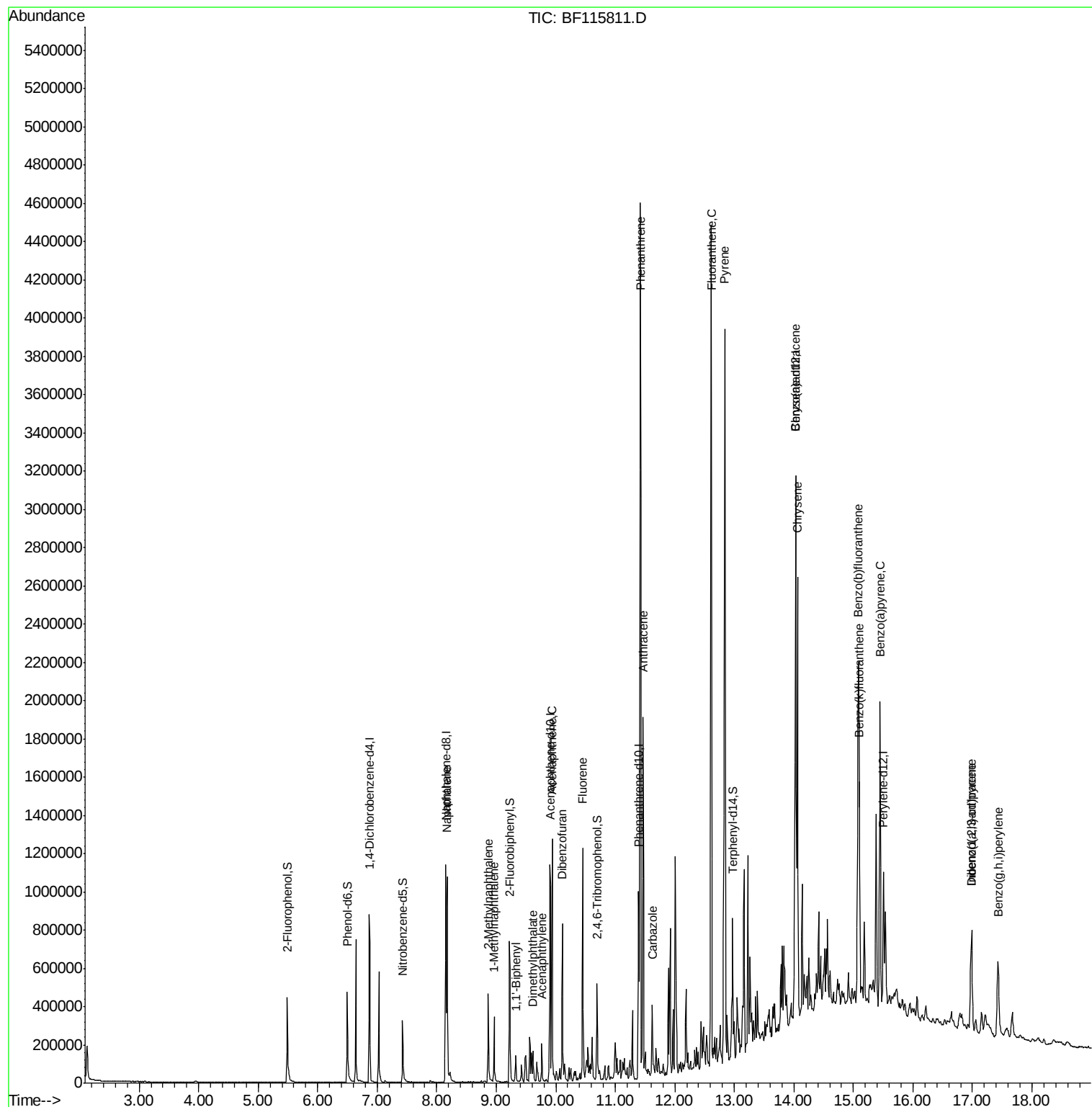
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

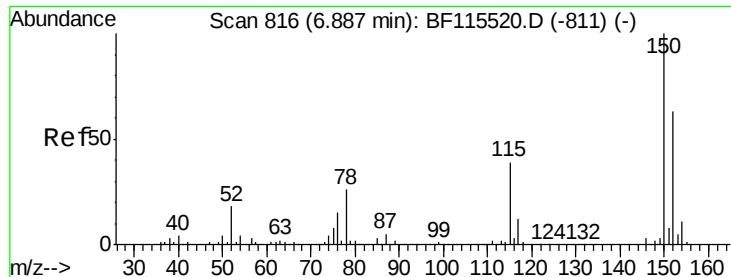
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

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Quant Time: Jul 27 04:01:06 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

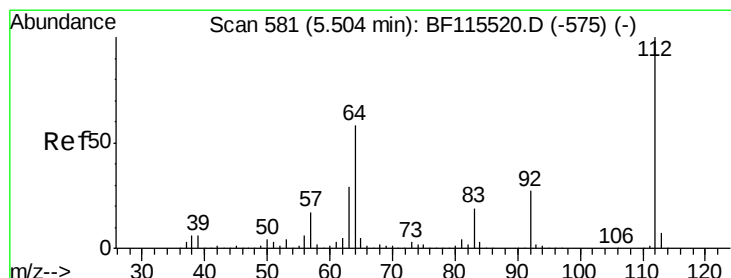
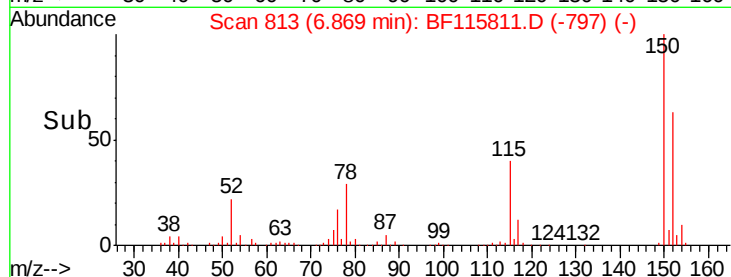
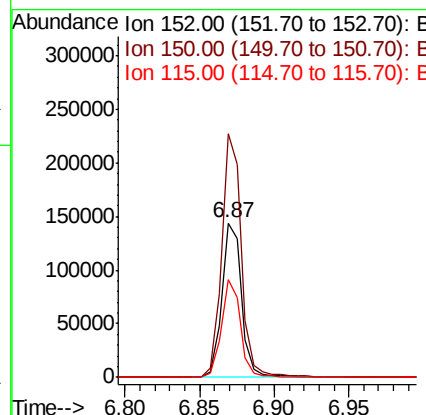
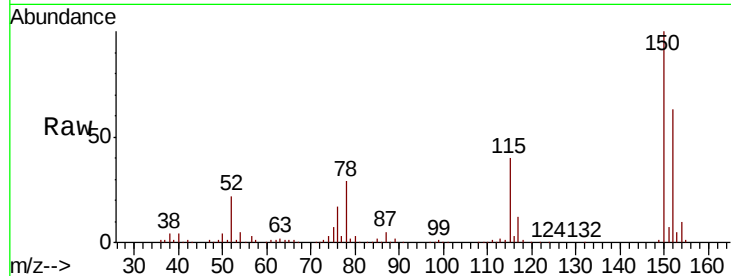
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.6	189.8
115	63.1	47.8	71.6

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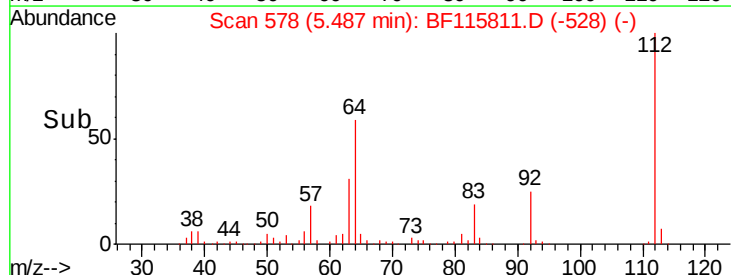
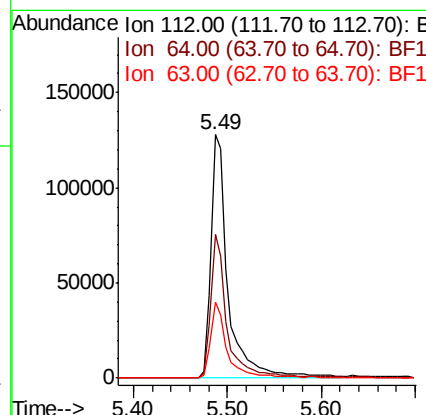
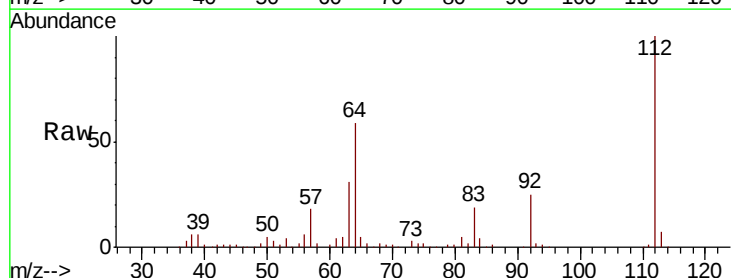
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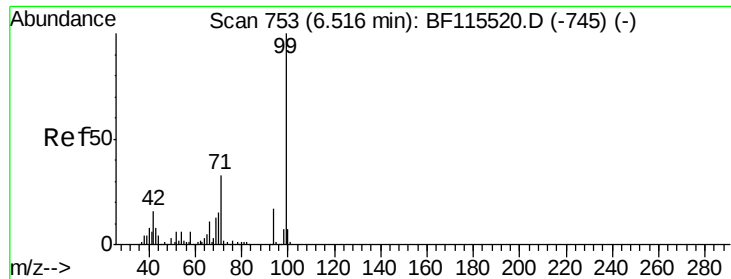


#5

2-Fluorophenol
Concen: 20.190 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	45.8	68.8
63	31.0	23.6	35.4





#7

Phenol-d6

Concen: 21.580 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115811.D

Acq: 27 Jul 2019 2:19

Instrument :

BNA_F

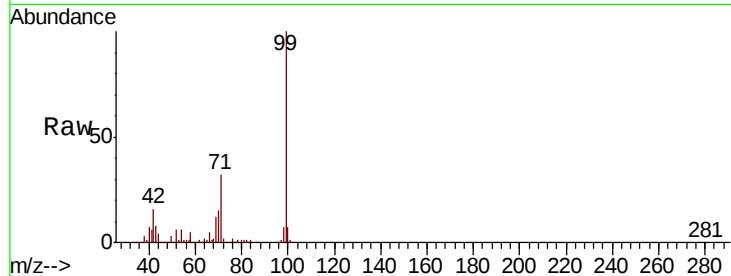
ClientSampleId :

SU-01-072519-A

Tot Ion:	99	Resp:	224358
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.4	20.2
71	31.7	26.7	40.1

Manual Integrations
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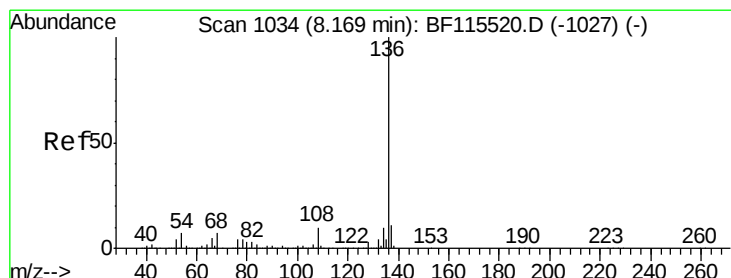
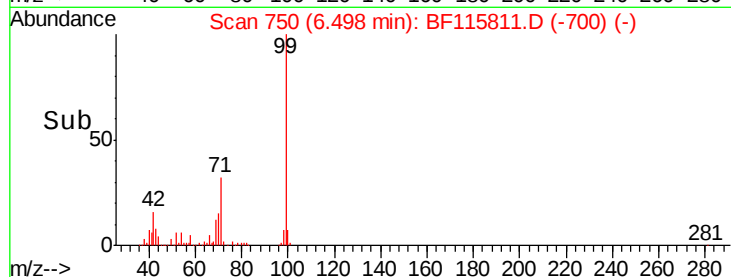
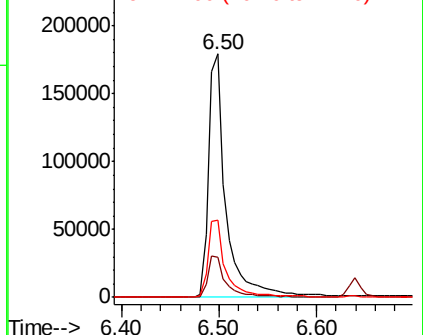


Abundance

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: BF115811.D

Acq: 27 Jul 2019 2:19

Tgt Ion:	136	Resp:	512963
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	7.0	5.0	7.6
68	5.9	4.7	7.1

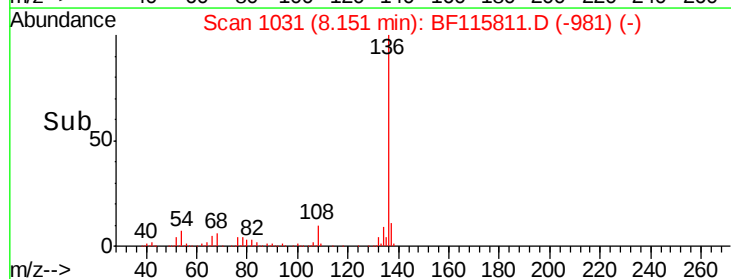
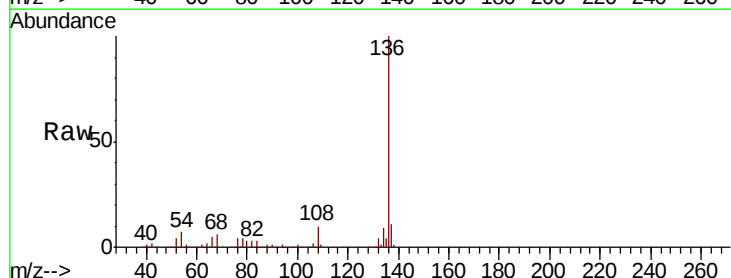
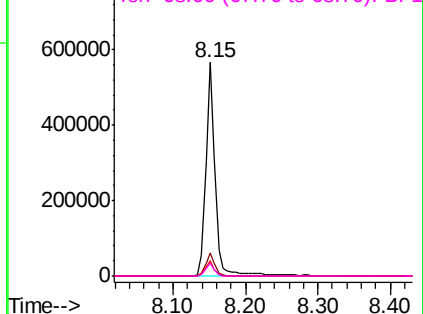
Abundance

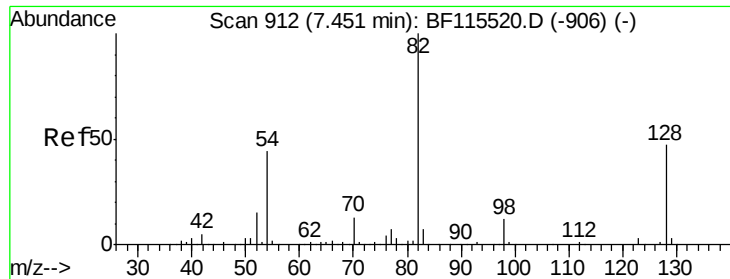
Ion 136.00 (135.70 to 136.70): E

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





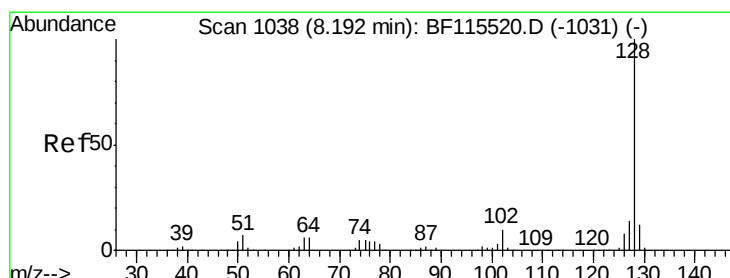
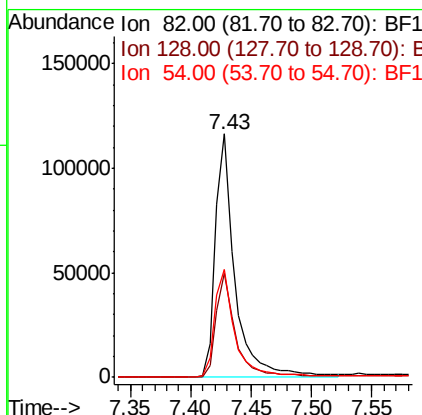
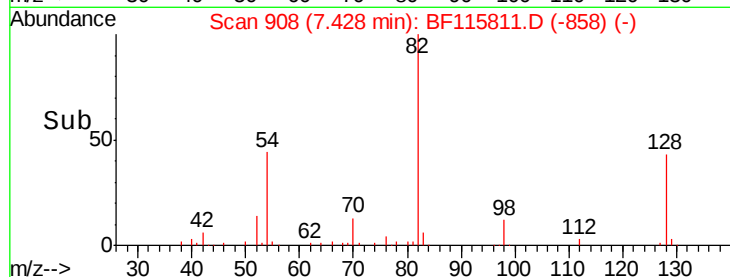
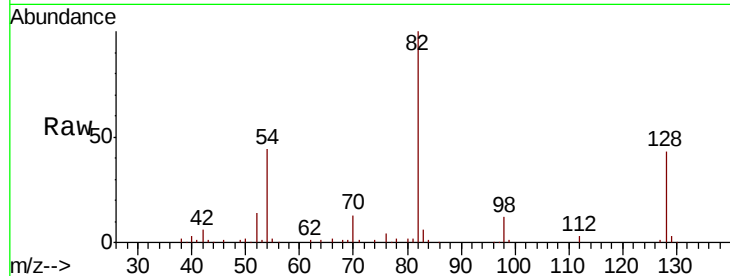
#23
Nitrobenzene-d5
Concen: 14.783 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100	130411		
128	42.9	36.6	55.0	
54	44.2	36.6	54.8	

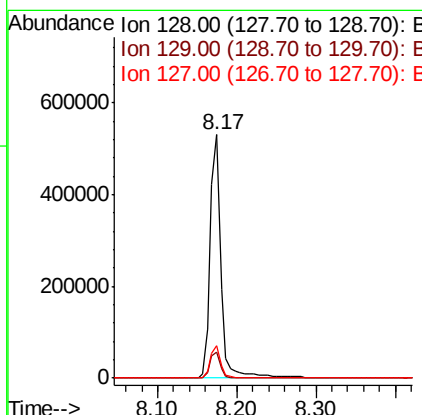
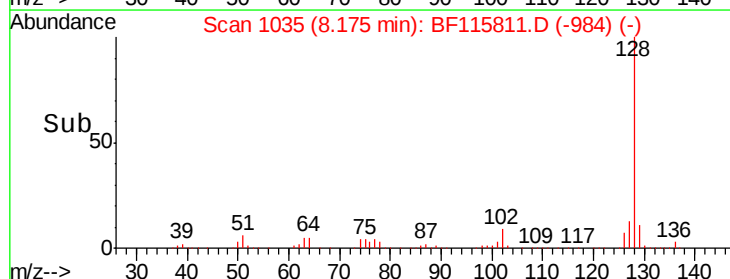
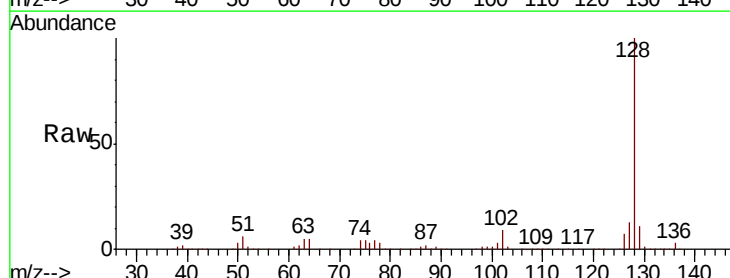
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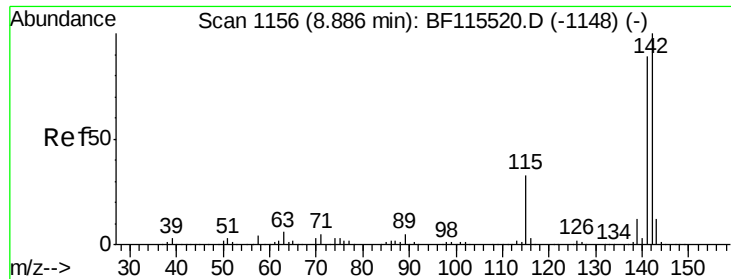
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#31
Naphthalene
Concen: 20.452 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	508080		
129	10.9	9.4	14.2	
127	13.2	10.9	16.3	





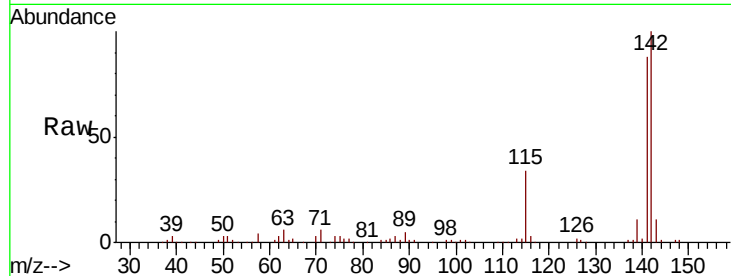
#37
2-Methylnaphthalene
Concen: 8.981 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion	Ratio	Resp	Lower	Upper
142	100	147894		
141	87.7	71.0	106.4	
115	33.9	27.7	41.5	

Manual Integrations
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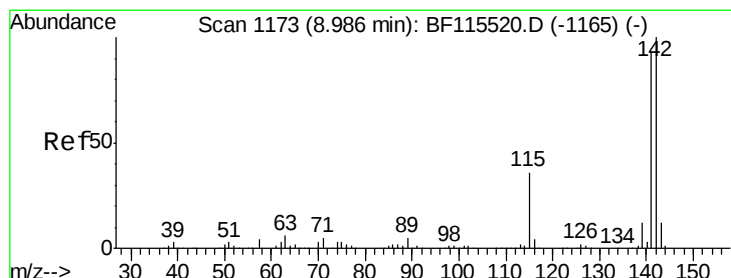
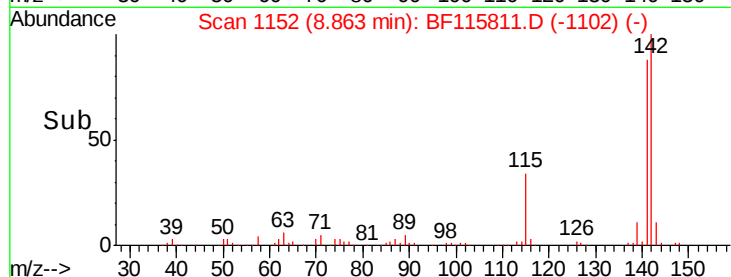
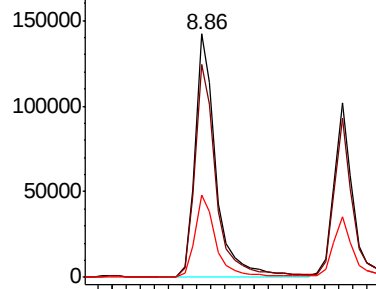


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 6.431 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

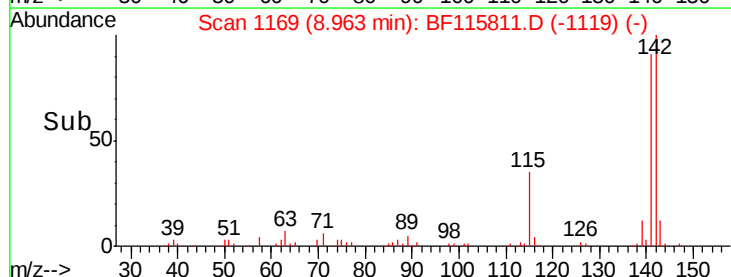
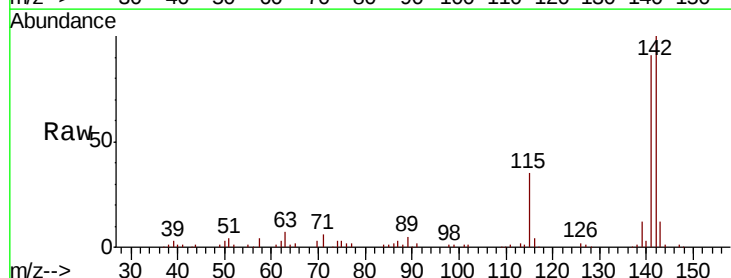
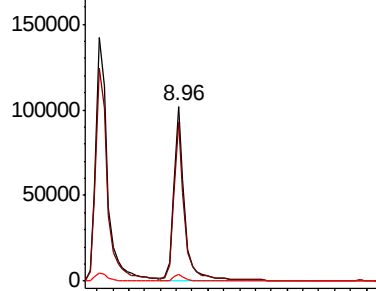
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	100596		
141	90.6	73.9	110.9	
116	4.1	3.0	4.6	

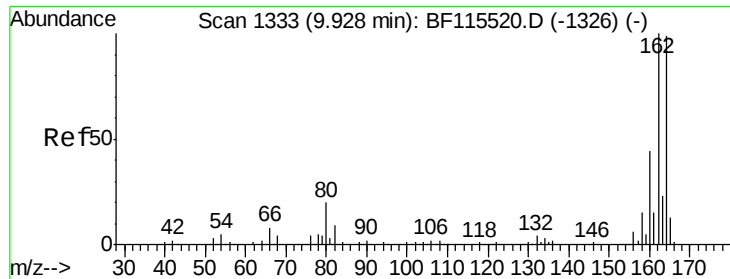
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





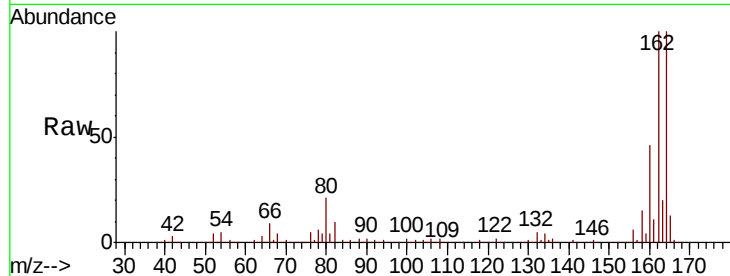
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

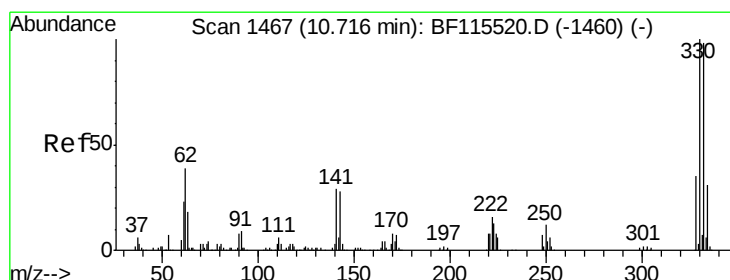
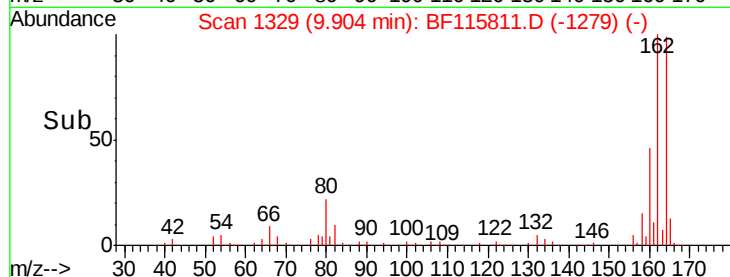
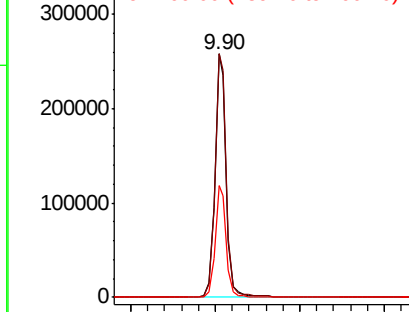
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.0	81.8	122.6	
160	45.7	37.5	56.3	

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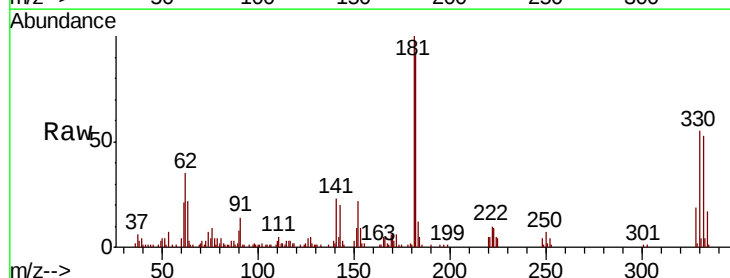


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

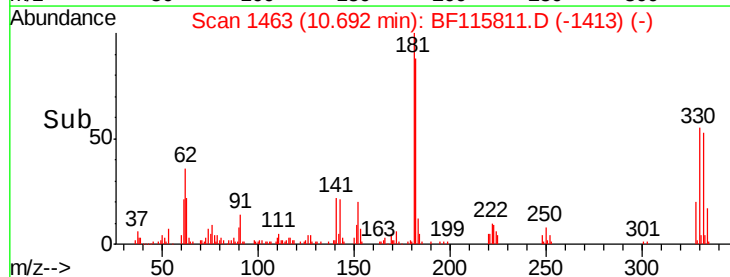
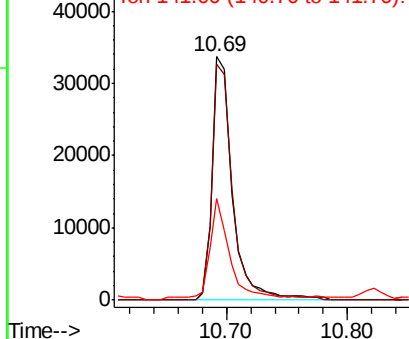


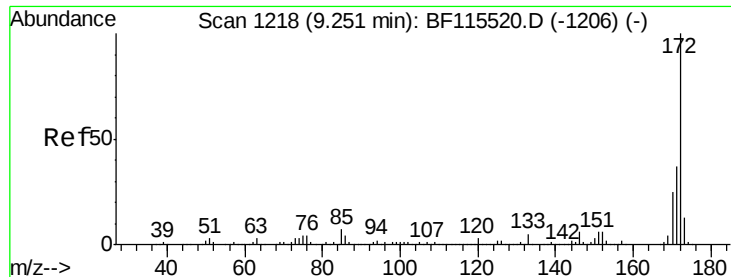
#42
2,4,6-Tribromophenol
Concen: 13.620 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	76.1	114.1	
141	43.2	25.9	38.9#	



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





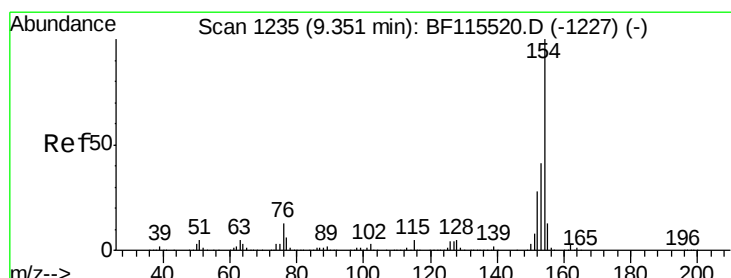
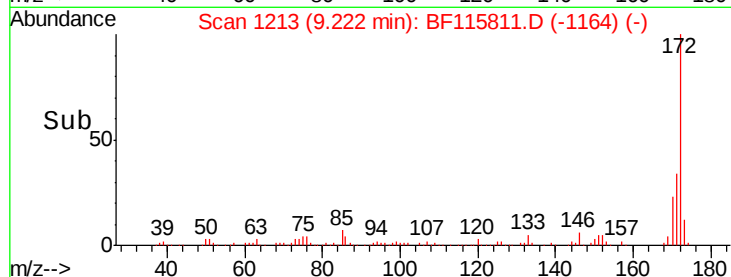
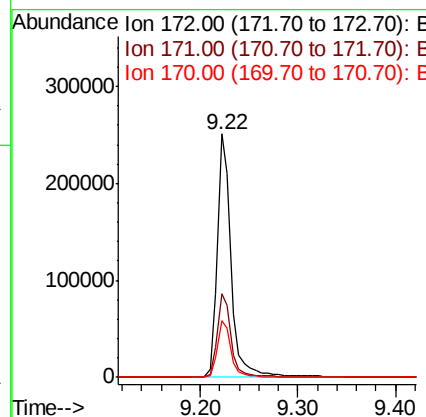
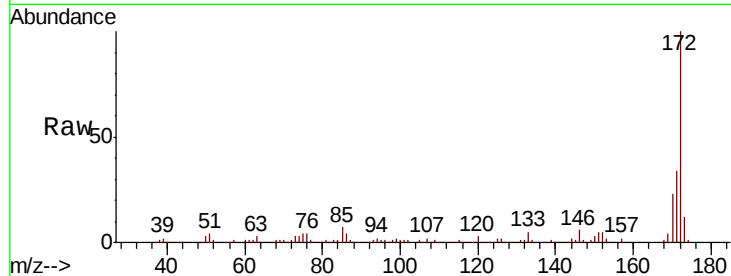
#45
2-Fluorobiphenyl
Concen: 17.660 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	34.2	29.0	43.4
170	23.3	20.1	30.1

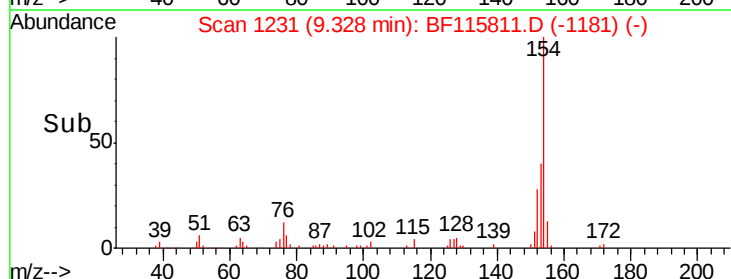
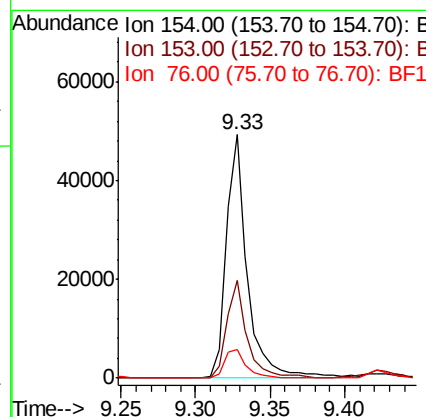
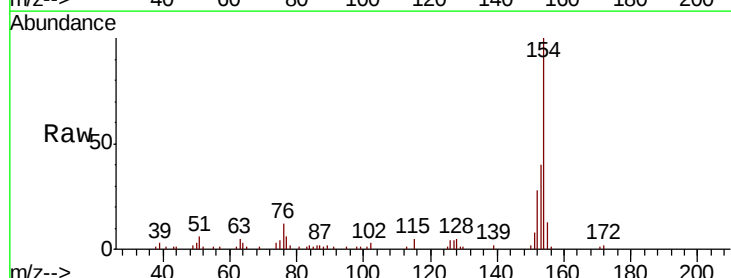
Manual Integrations
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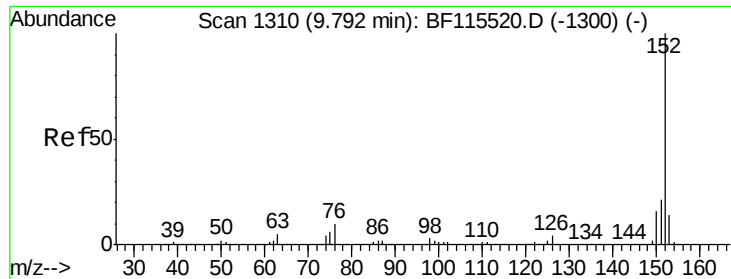
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#46
1,1'-Biphenyl
Concen: 2.542 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	40.2	21.4	61.4
76	11.8	0.0	33.2





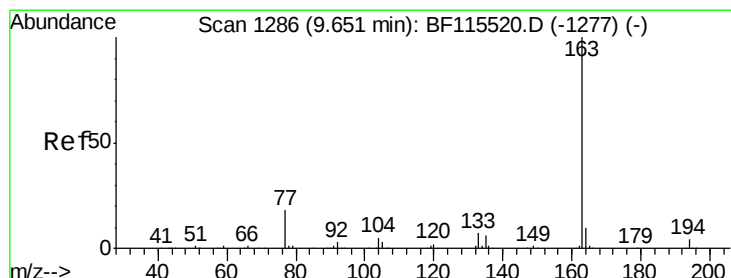
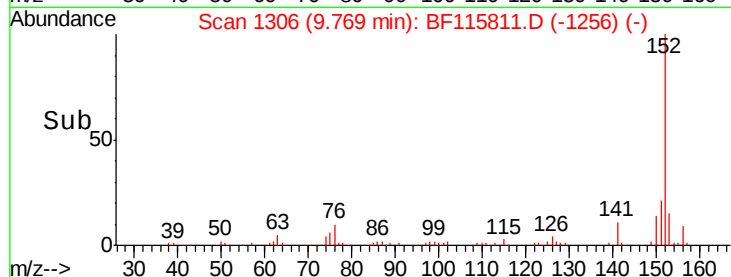
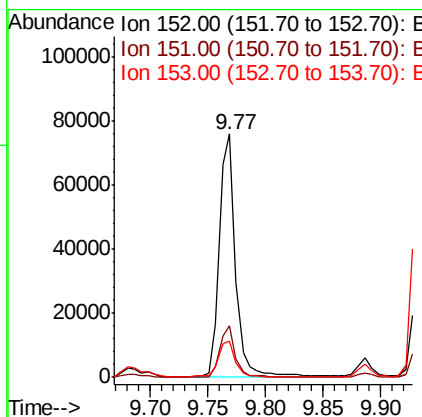
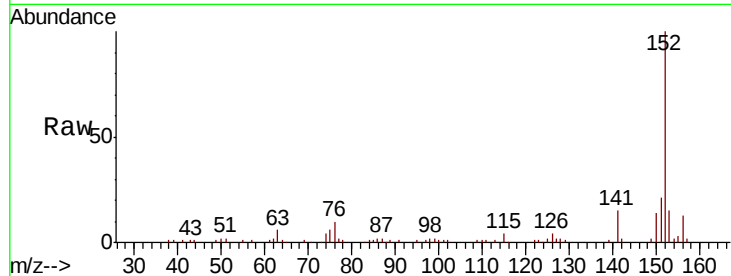
#49
Acenaphthylene
Concen: 3.156 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.9	25.3
153	15.1	11.5	17.3

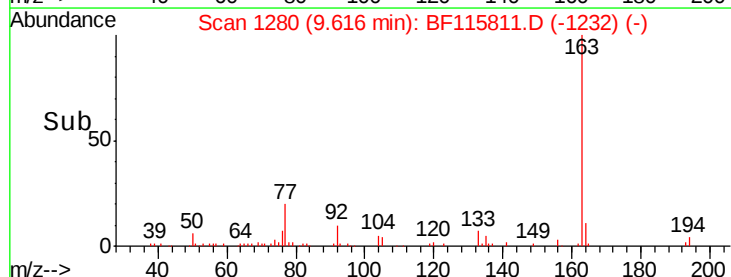
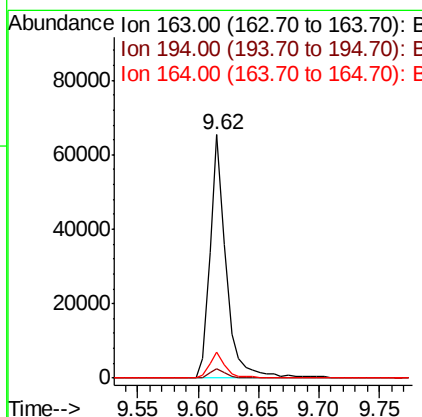
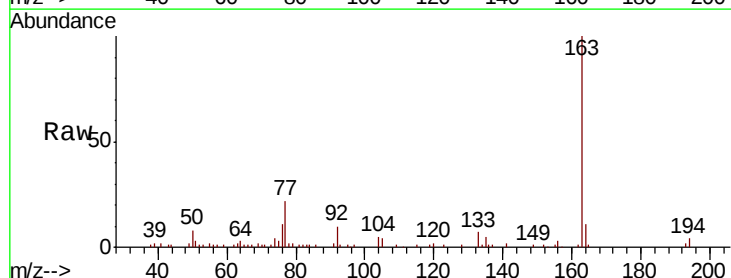
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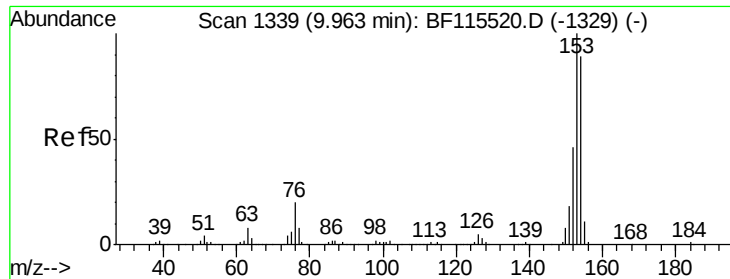
mohammad
7/29/2019 5:29:20 PM



#50
Dimethylphthalate
Concen: 3.229 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.5	8.3	12.5





#52

Acenaphthene

Concen: 16.749 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF115811.D

Acq: 27 Jul 2019 2:19

Instrument :

BNA_F

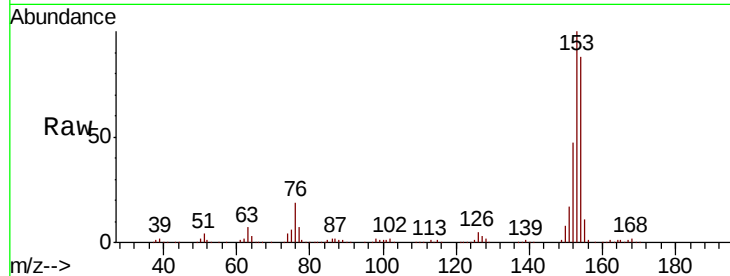
ClientSampleId :

SU-01-072519-A

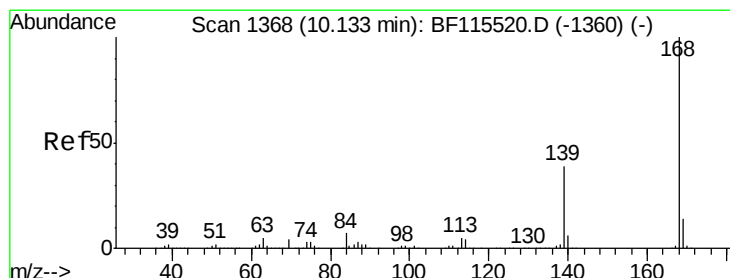
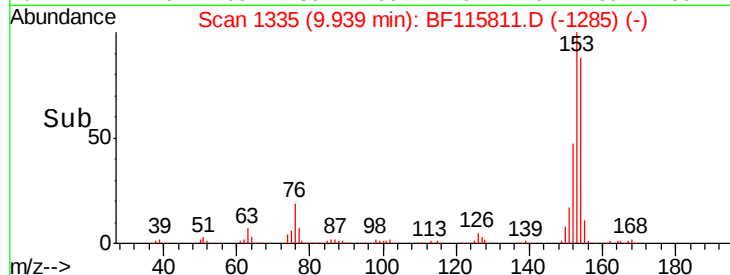
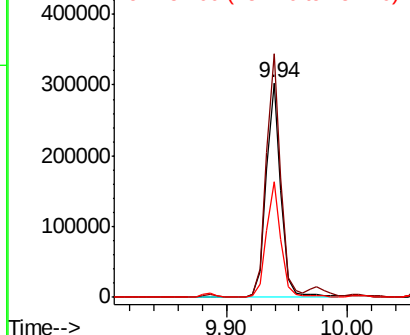
Tot Ion:	154	Resp:	257447
Ion Ratio	Lower	Upper	
154	100		
153	113.6	88.1	132.1
152	53.7	42.0	63.0

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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



#55

Dibenzofuran

Concen: 14.028 ng

RT: 10.11 min Scan# 1364

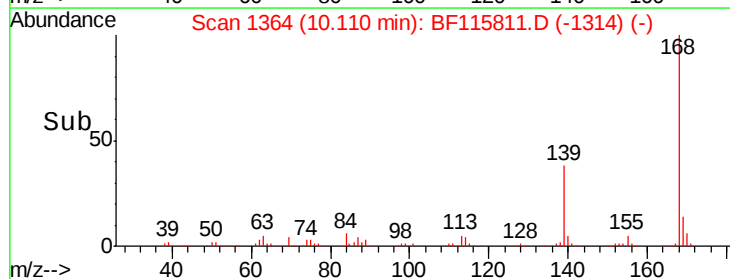
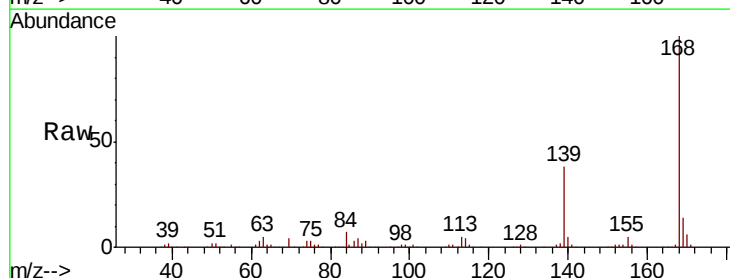
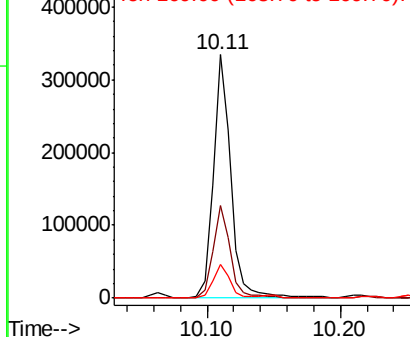
Delta R.T. -0.01 min

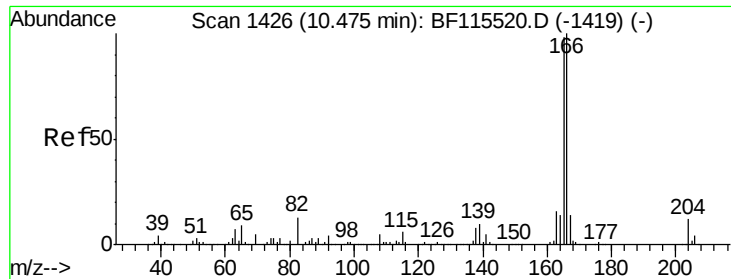
Lab File: BF115811.D

Acq: 27 Jul 2019 2:19

Tgt Ion:	168	Resp:	306196
Ion Ratio	Lower	Upper	
168	100		
139	38.0	31.4	47.2
169	13.9	11.3	16.9

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





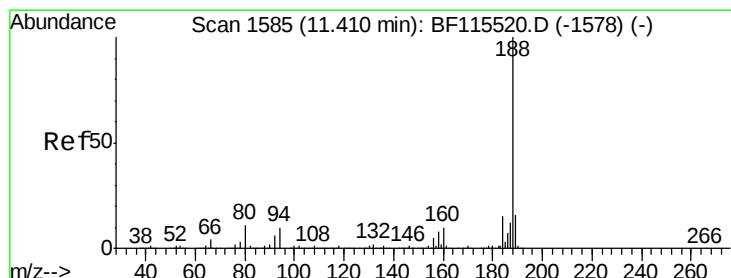
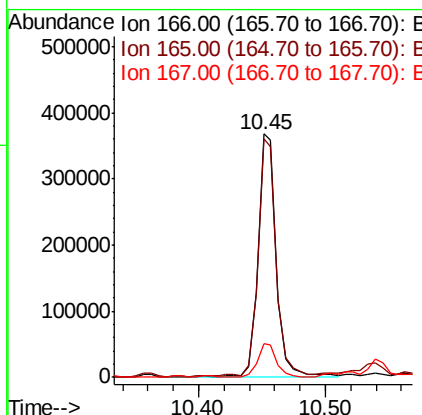
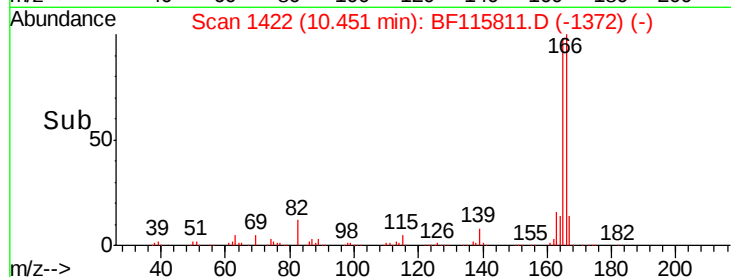
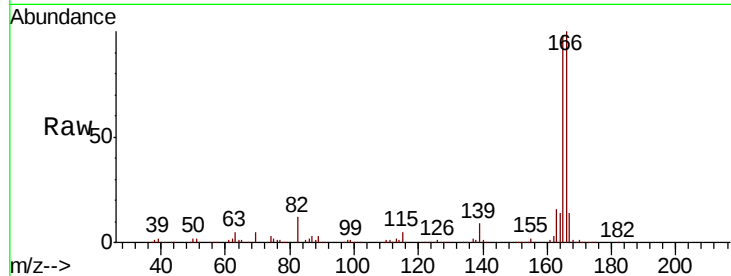
#58
 Fluorene
 Concen: 24.025 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF115811.D
 Acq: 27 Jul 2019 2:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.0	118.4
167	13.9	11.0	16.6

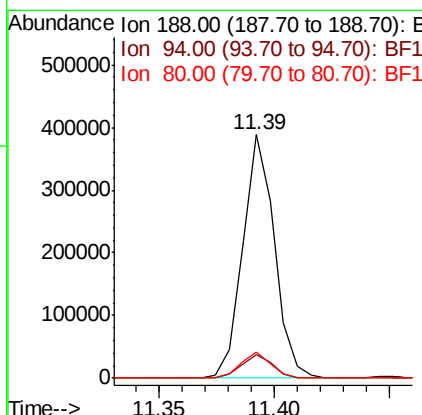
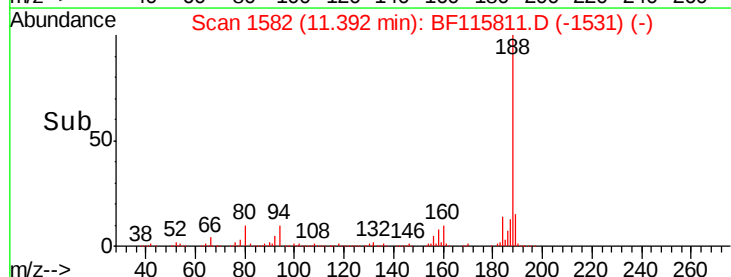
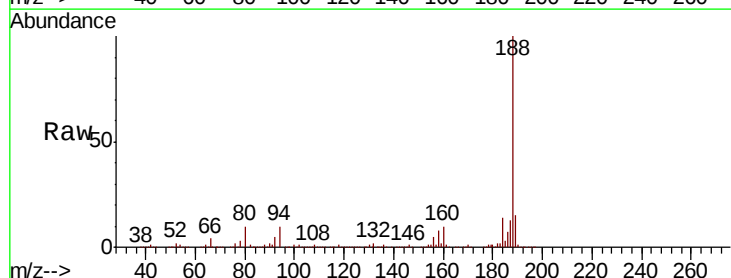
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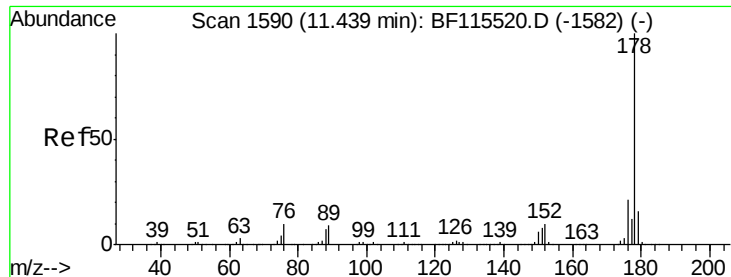
mohammad
 7/29/2019 5:29:20 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF115811.D
 Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	10.5	9.0	13.6





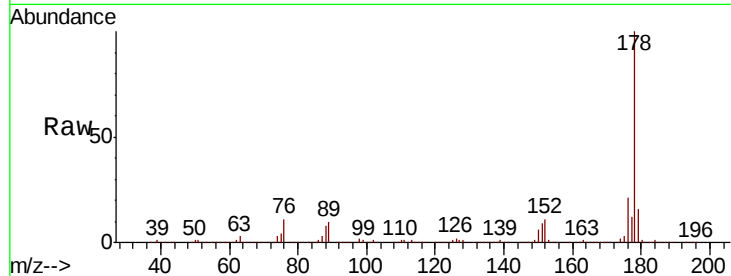
#71
Phenanthrene
Concen: 95.632 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

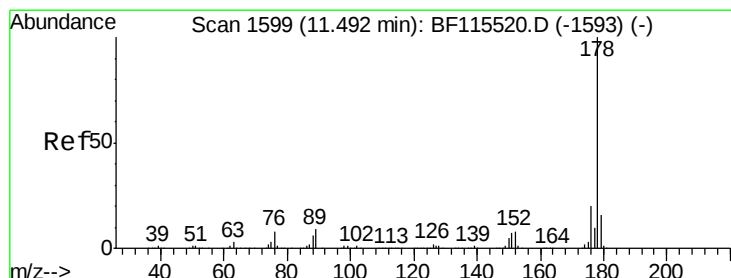
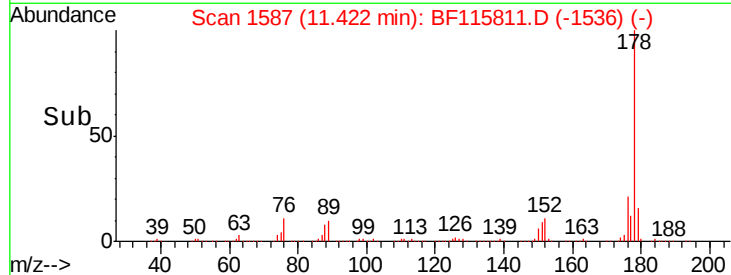
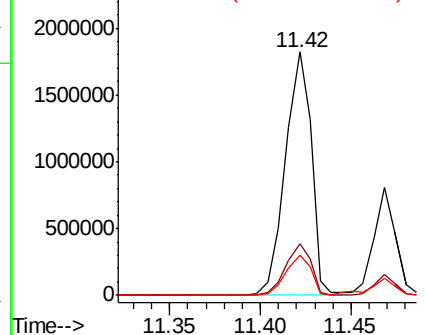
Tot Ion:178 Resp: 1824040
Ion Ratio Lower Upper
178 100
176 21.2 16.4 24.6
179 16.4 12.7 19.1

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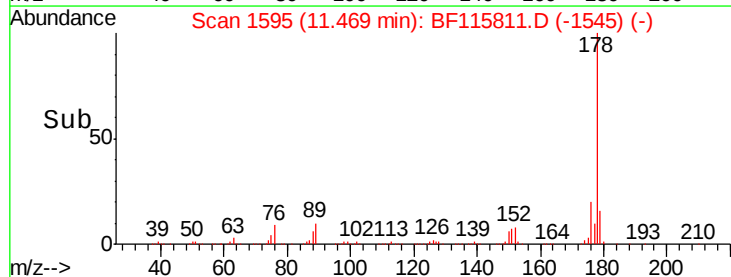
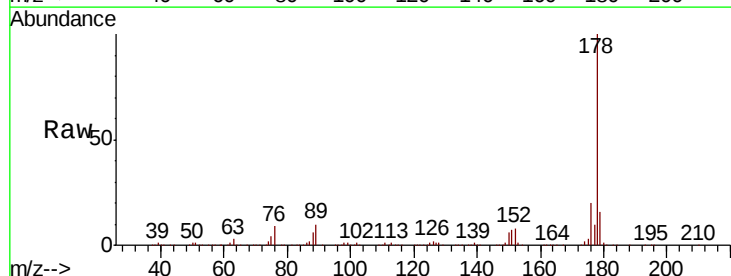
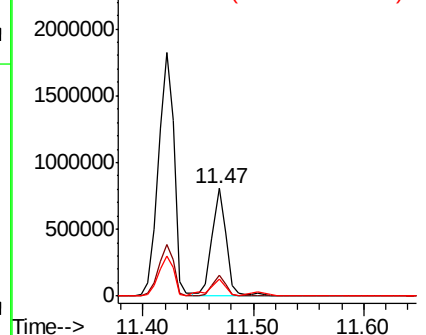
Abundance Ion 178.00 (177.70 to 178.70): E
2500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

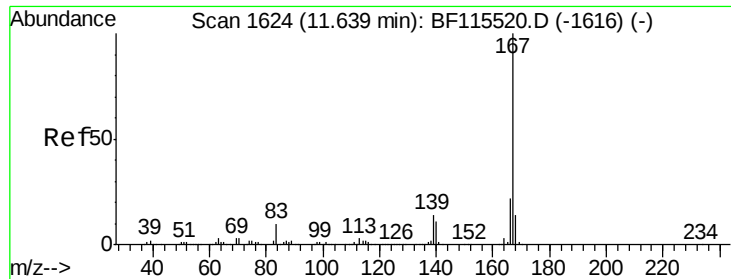


#72
Anthracene
Concen: 35.811 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion:178 Resp: 705901
Ion Ratio Lower Upper
178 100
176 20.0 16.1 24.1
179 16.0 12.6 18.8

Abundance Ion 178.00 (177.70 to 178.70): E
2500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





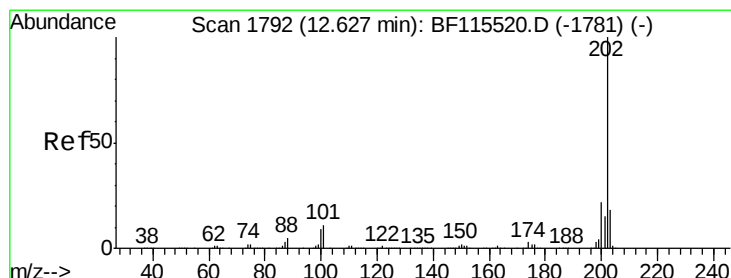
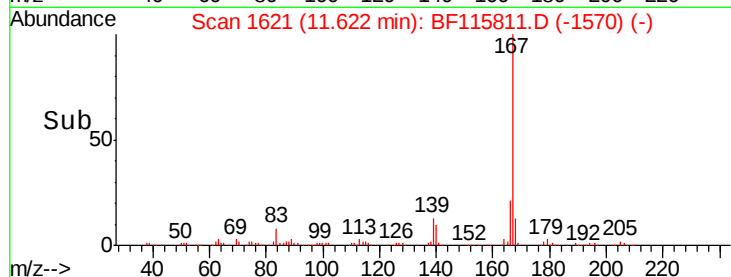
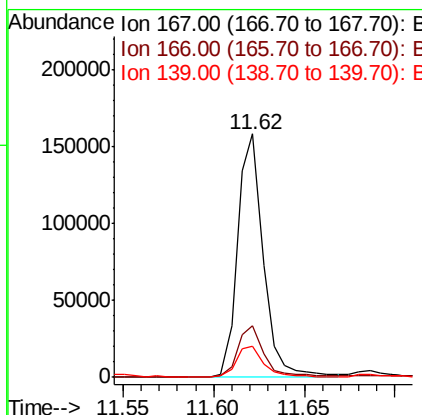
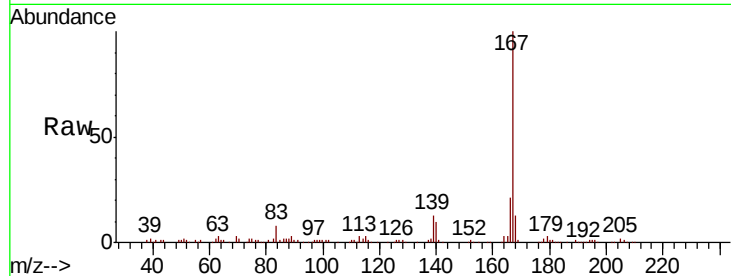
#73
 Carbazole
 Concen: 9.072 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: BF115811.D
 Acq: 27 Jul 2019 2:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-A

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.0	27.0
139	13.0	11.1	16.7

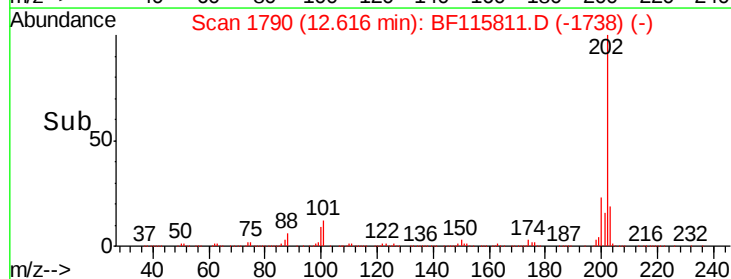
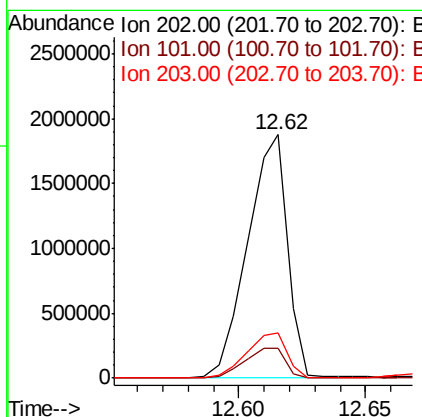
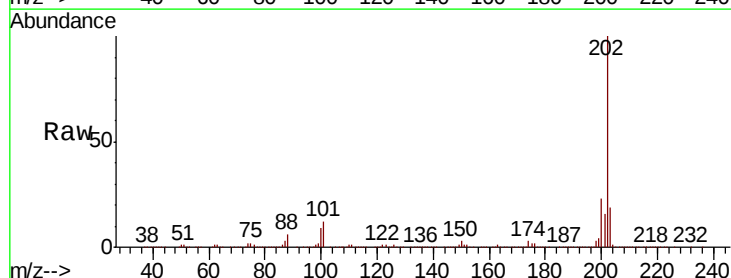
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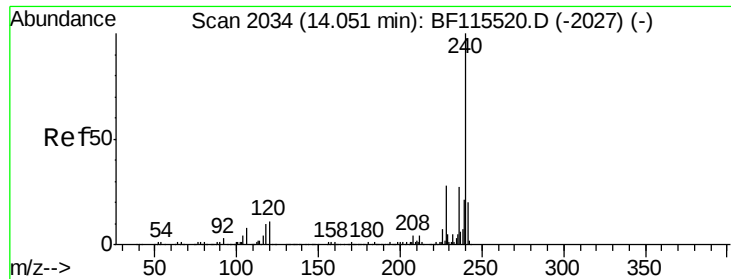
mohammad
 7/29/2019 5:29:20 PM



#75
 Fluoranthene
 Concen: 102.002 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: BF115811.D
 Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.6
203	18.6	0.0	38.0





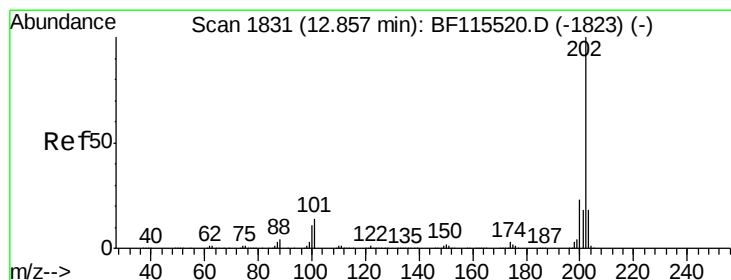
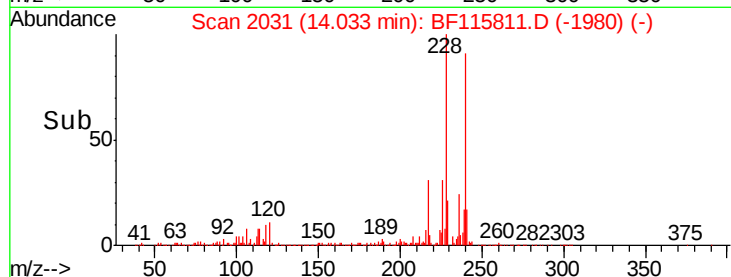
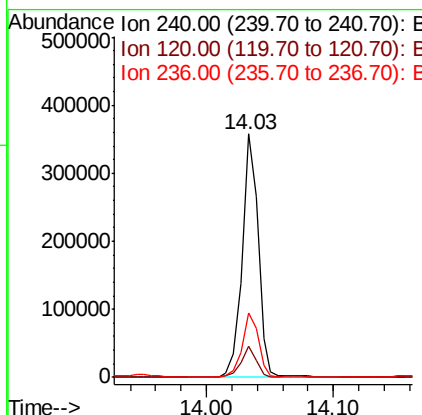
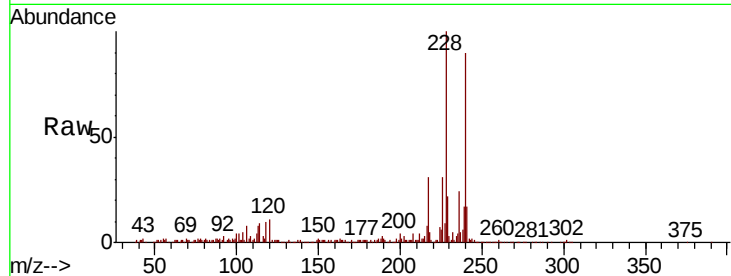
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.6	10.0	15.0	
236	26.5	21.8	32.6	

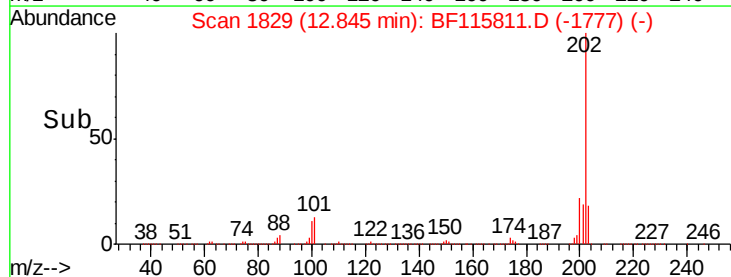
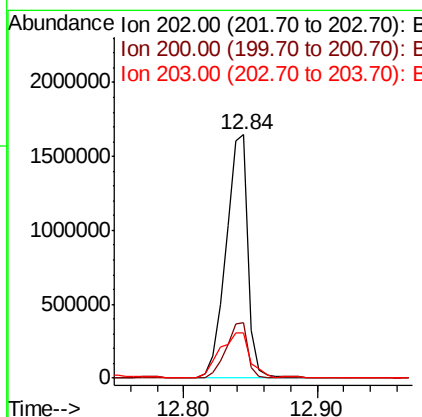
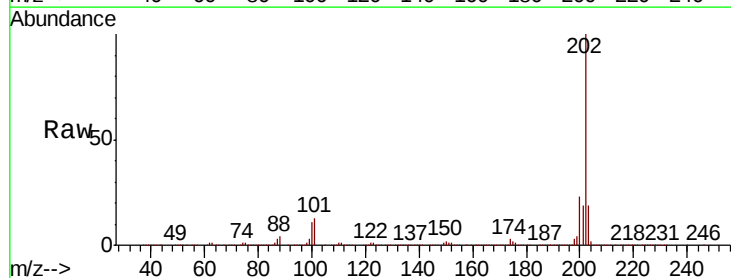
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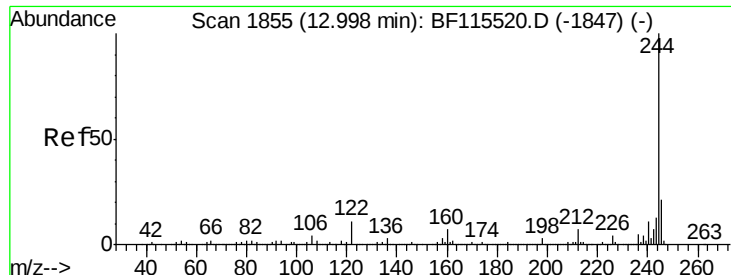
mohammad
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#78
Pyrene
Concen: 72.660 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.5	18.2	27.4	
203	18.7	14.6	21.8	





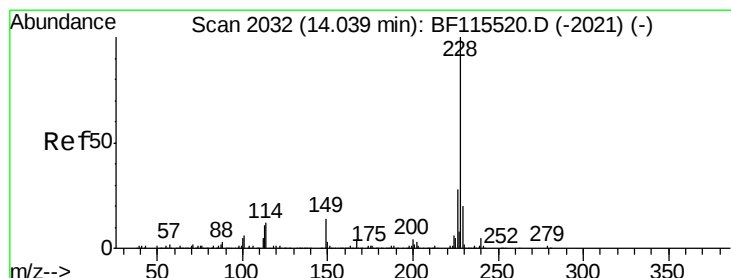
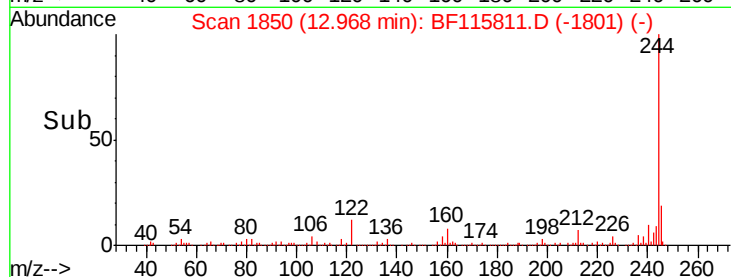
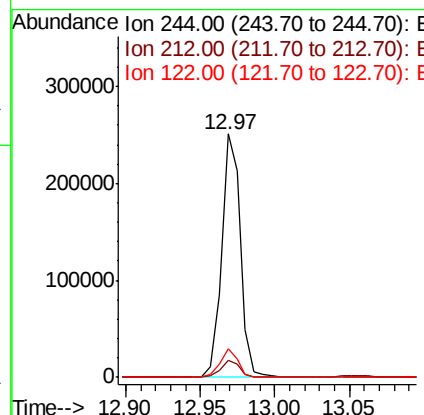
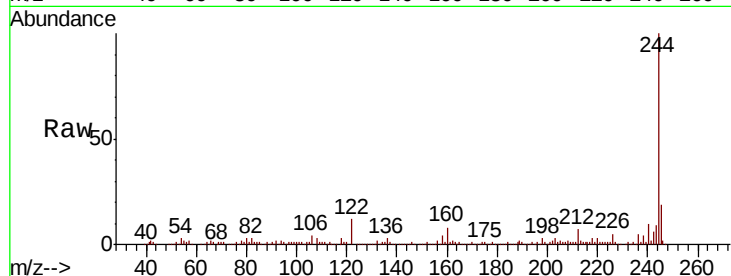
#79
 Terphenyl-d14
 Concen: 13.172 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF115811.D
 Acq: 27 Jul 2019 2:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-A

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.5	8.3
122	11.8	8.2	12.4

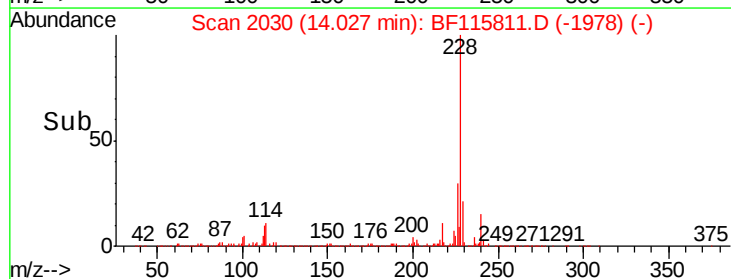
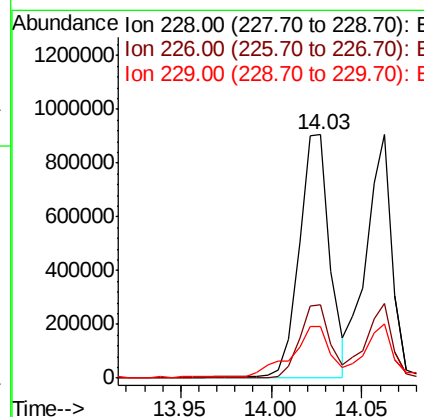
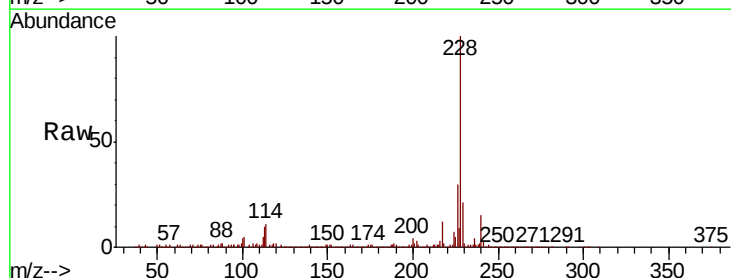
Manual Integrations
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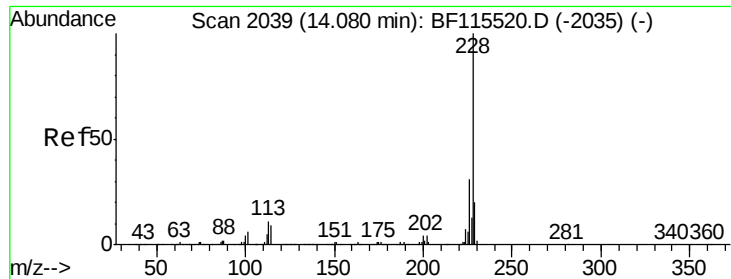
mohammad
 7/29/2019 5:29:20 PM



#81
 Benzo(a)anthracene
 Concen: 52.887 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BF115811.D
 Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.3	22.2	33.2
229	21.3	16.1	24.1





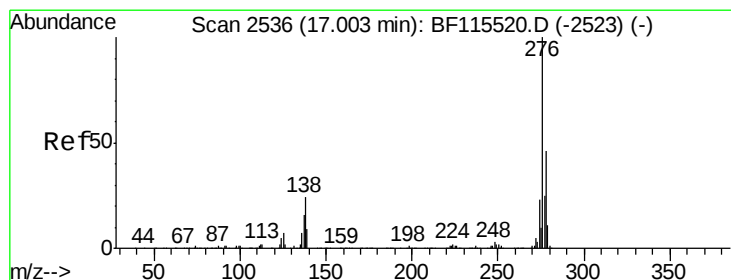
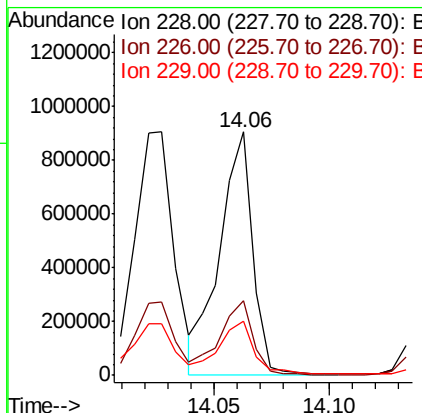
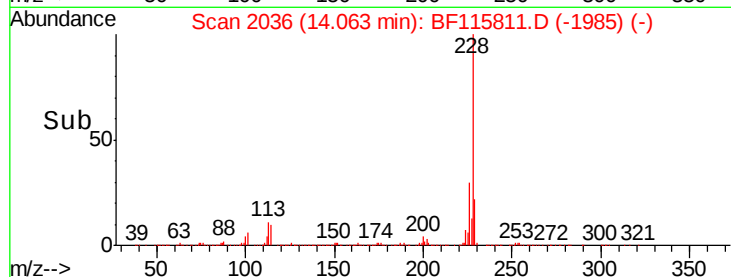
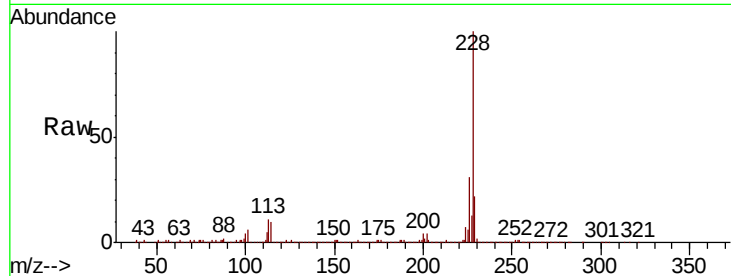
#83
Chrysene
Concen: 43.987 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.00 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion:	228	Resp:	898929
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.4
229	22.3	16.2	24.2

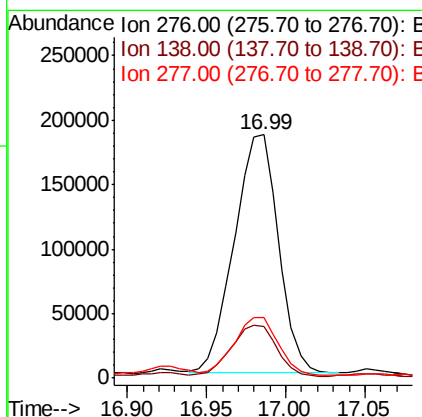
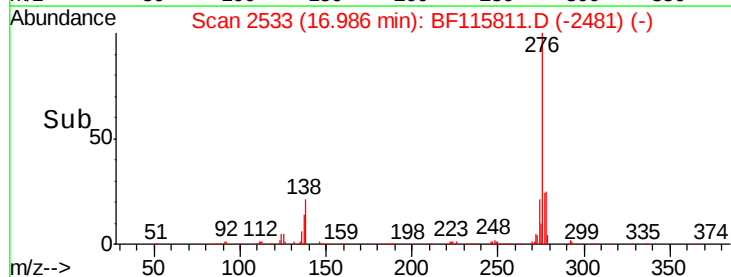
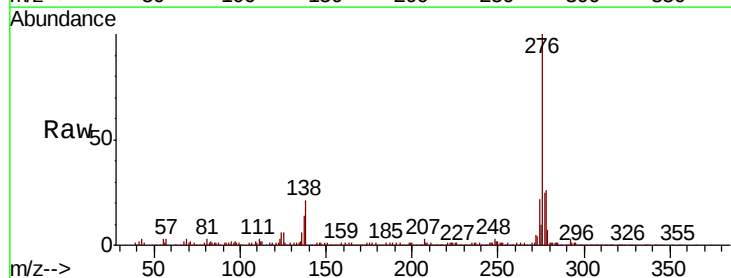
Manual Integrations
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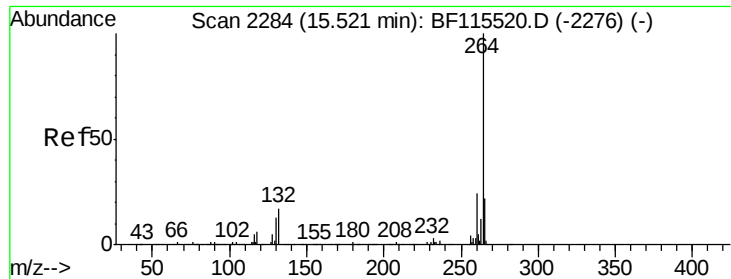
mohammad
7/29/2019 5:29:20 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 20.621 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion:	276	Resp:	358029
Ion Ratio	Lower	Upper	
276	100		
138	22.1	20.1	30.1
277	24.9	19.8	29.8





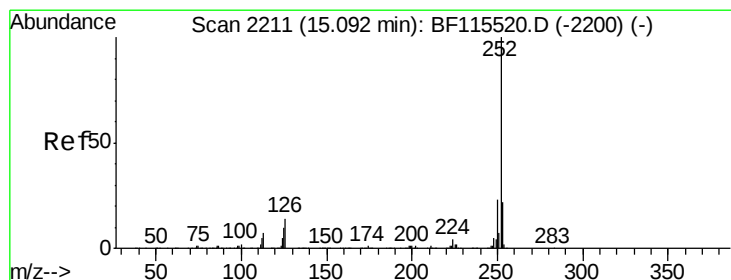
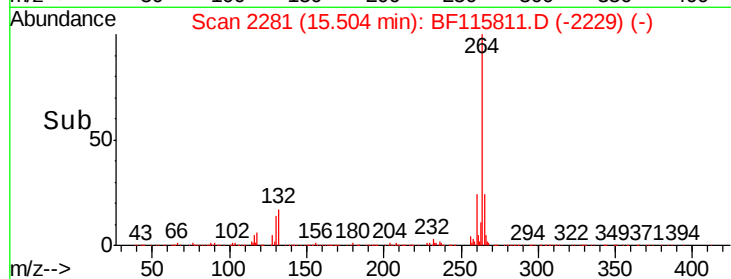
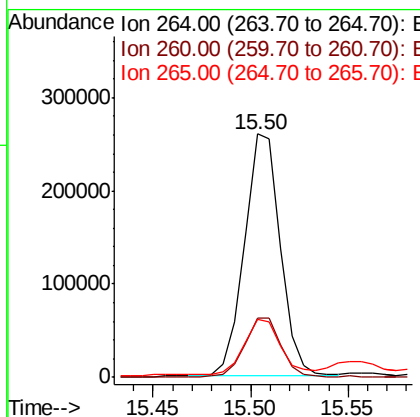
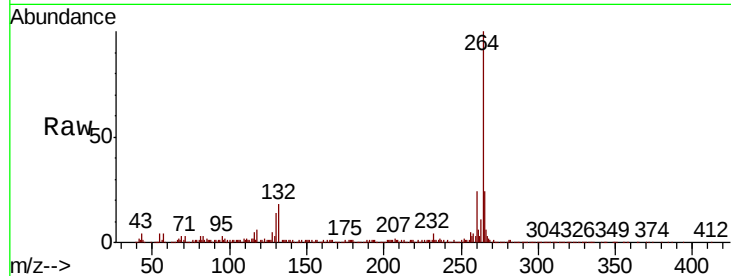
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	24.0	17.5	26.3

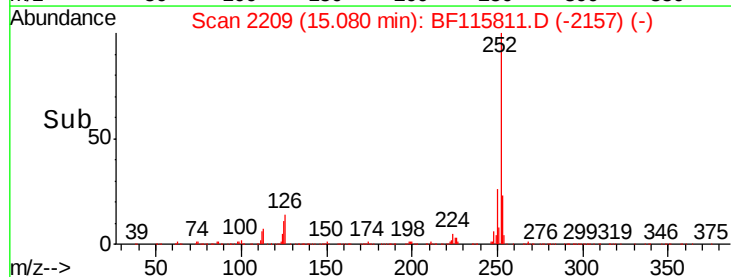
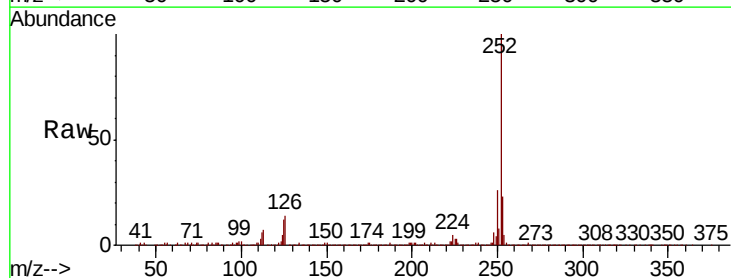
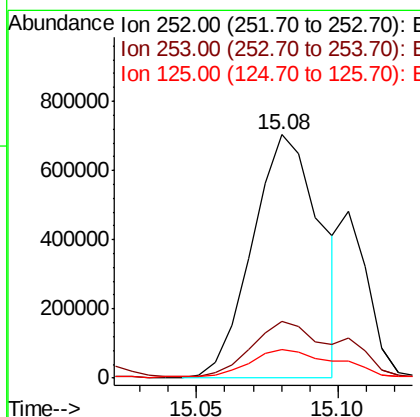
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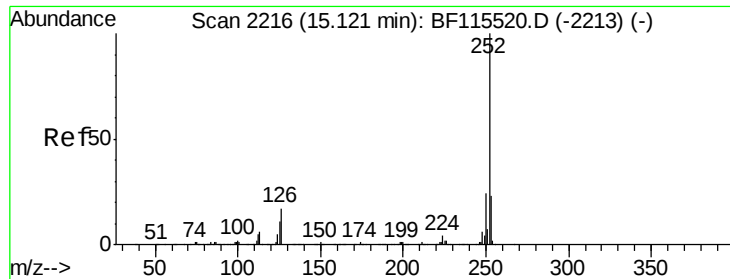
mohammad
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#88
Benzo(b)fluoranthene
Concen: 55.246 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	11.9	8.4	12.6





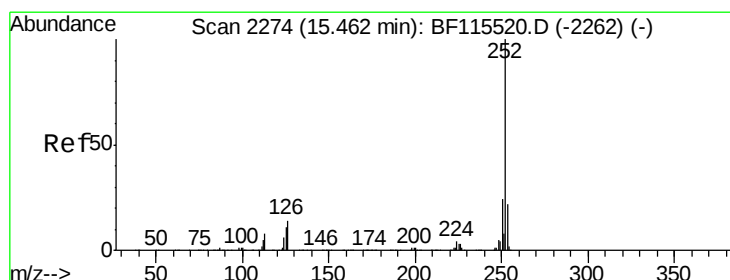
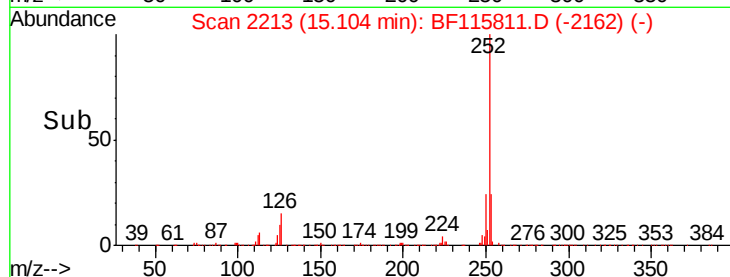
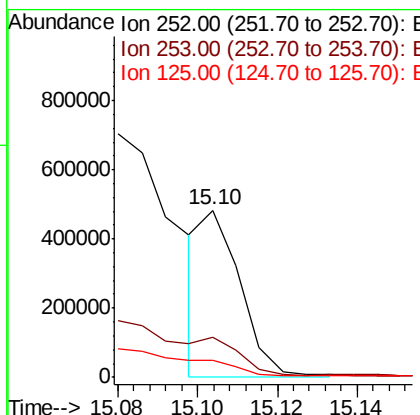
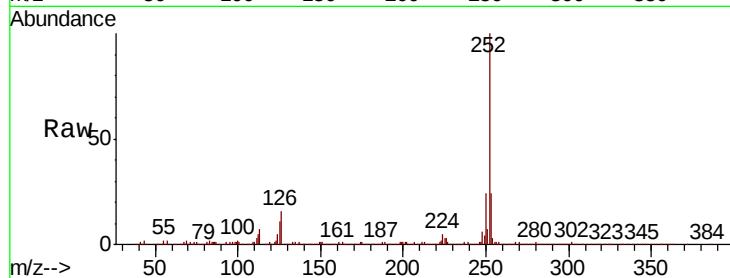
#89
Benzo(k)fluoranthene
Concen: 17.164 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.00 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	10.5	8.6	13.0

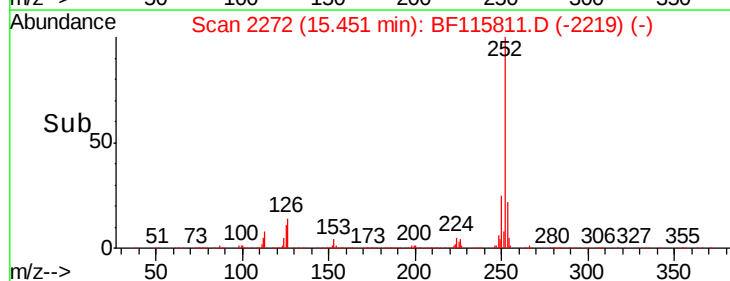
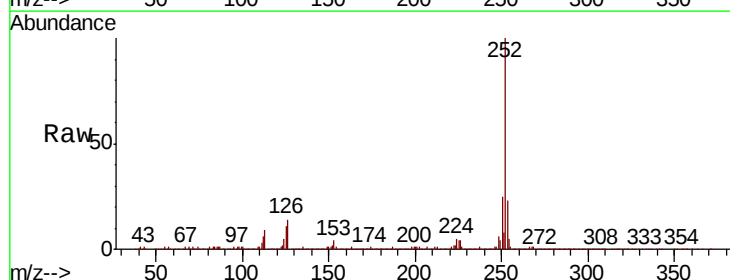
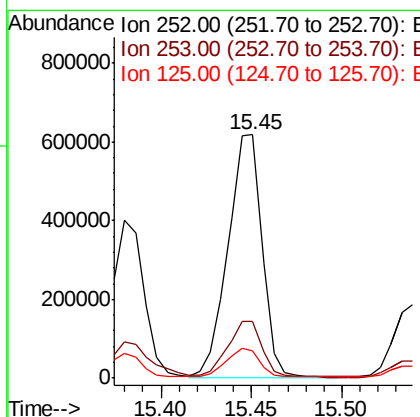
Manual Integrations
APPROVED

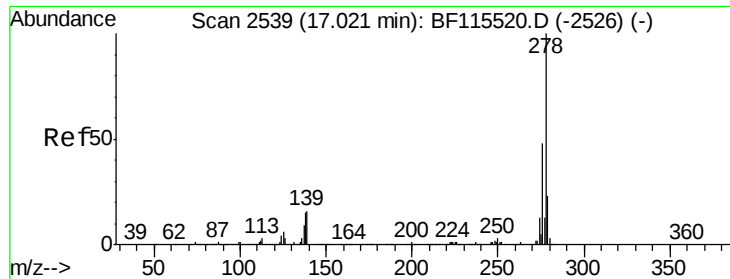
mohammad
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#90
Benzo(a)pyrene
Concen: 44.024 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	11.2	9.4	14.2





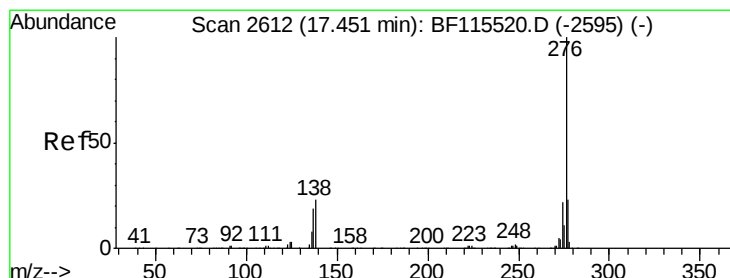
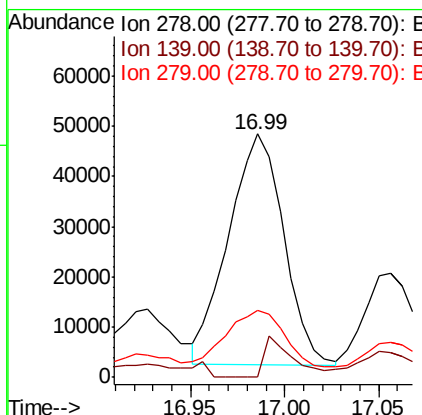
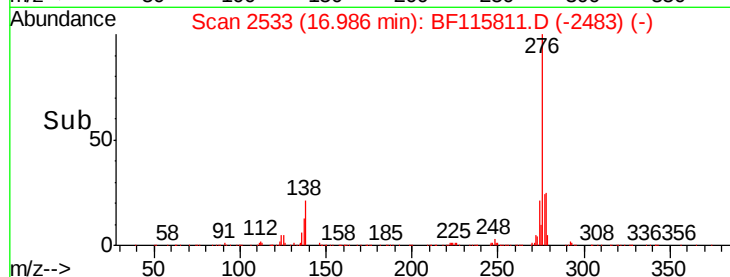
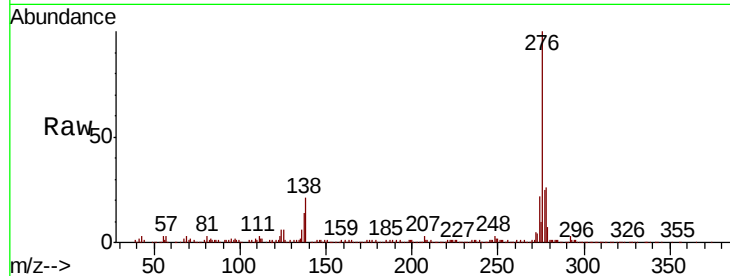
#91
Dibenzo(a,h)anthracene
Concen: 5.833 ng m
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.6	20.4#
279	27.6	19.6	29.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 21.016 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.01 min
Lab File: BF115811.D
Acq: 27 Jul 2019 2:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.1	27.1
138	20.6	16.6	24.8

