

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116783.D
 Acq On : 3 Sep 2019 20:06
 Operator : HP/JU
 Sample : K4554-55
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(0-2)

Manual Integrations
 APPROVED

mohammad
 9/6/2019 8:18:18 AM

Quant Time: Sep 04 07:08:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	131543	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	521138	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	261687	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	408009	20.00	ng	0.00
76) Chrysene-d12	14.00	240	281005	20.00	ng	0.00
87) Perylene-d12	15.45	264	313792	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	715388	88.11	ng	0.00
7) Phenol-d6	6.47	99	971737	91.14	ng	0.00
23) Nitrobenzene-d5	7.40	82	618177	67.72	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	183029	104.62	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	950428	61.27	ng	0.00
79) Terphenyl-d14	12.94	244	742621	48.89	ng	0.00
Target Compounds						
49) Acenaphthylene	9.74	152	59956	2.522	ng	Qvalue 98
50) Dimethylphthalate	9.59	163	133189	7.372	ng	97
58) Fluorene	10.43	166	40159	2.559	ng	98
71) Phenanthrene	11.39	178	592354	26.081	ng	99
72) Anthracene	11.43	178	141252	6.178	ng	98
73) Carbazole	11.59	167	58397	2.681	ng	97
75) Fluoranthene	12.57	202	733093	32.844	ng	98
78) Pyrene	12.80	202	676695	27.090	ng	99
81) Benzo(a)anthracene	13.99	228	328262	18.458	ng	95
83) Chrysene	14.02	228	335207	18.295	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	163076	11.081	ng	95
88) Benzo(b)fluoranthene	15.03	252	431598m	22.750	ng	
89) Benzo(k)fluoranthene	15.05	252	132101m	7.637	ng	
90) Benzo(a)pyrene	15.39	252	302734	18.342	ng	# 96
91) Dibenzo(a,h)anthracene	16.90	278	45192	3.128	ng	# 92
92) Benzo(g,h,i)perylene	17.33	276	146476	9.941	ng	# 92

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



#1

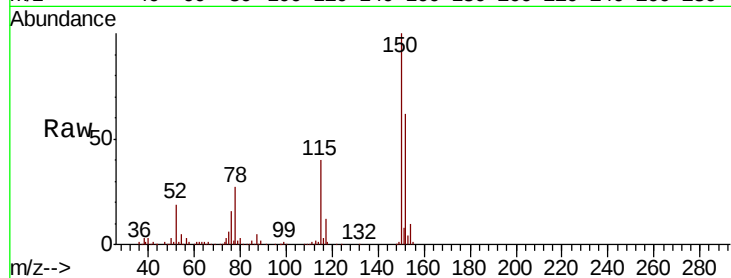
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.4	186.6
115	65.0	49.9	74.9

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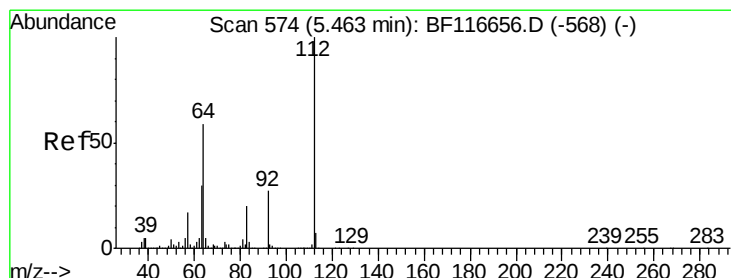
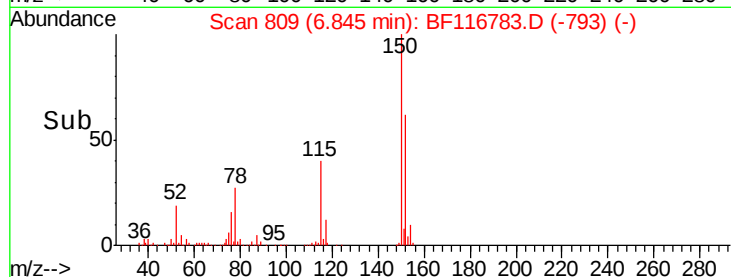
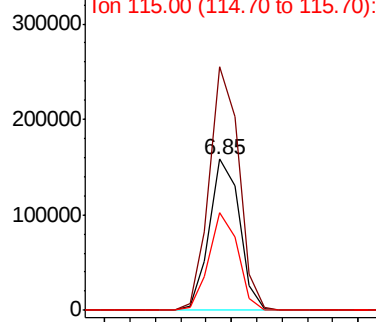


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

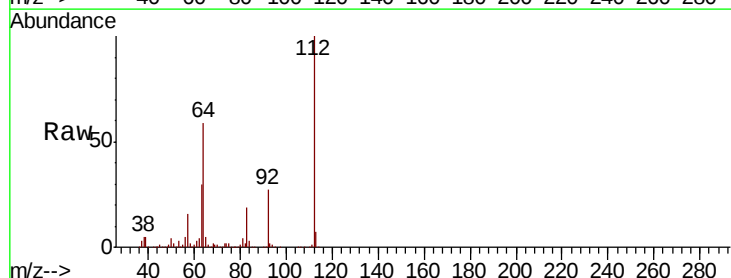
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.106 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.1	70.7
63	30.2	24.9	37.3

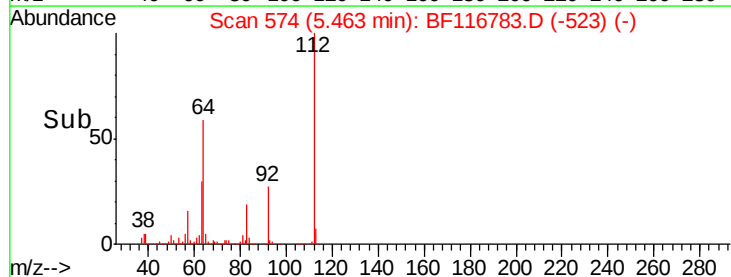
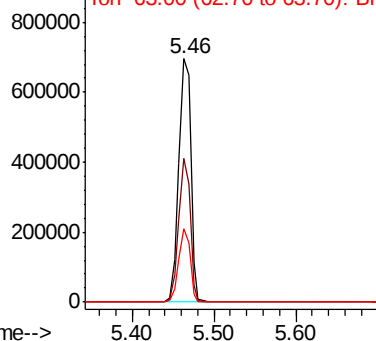


Abundance

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: 91.140 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116783.D

Acq: 3 Sep 2019 20:06

Instrument :

BNA_F

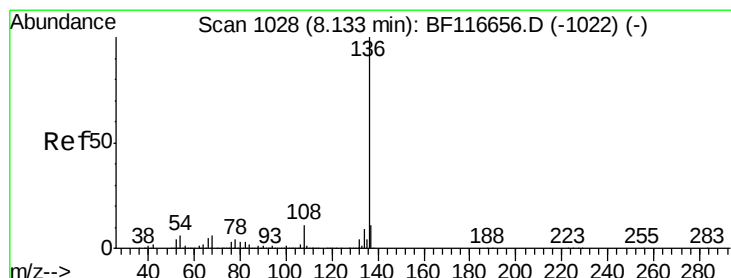
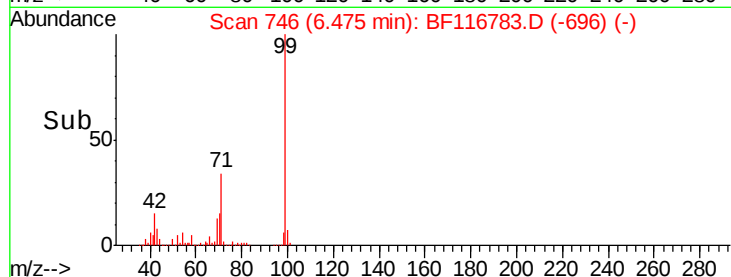
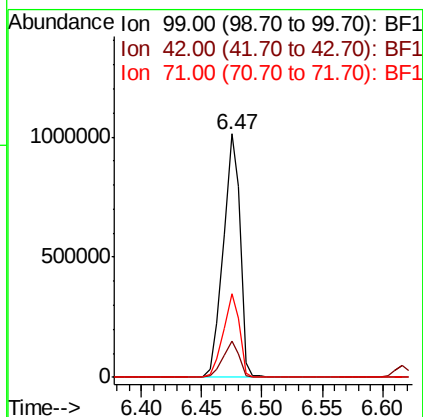
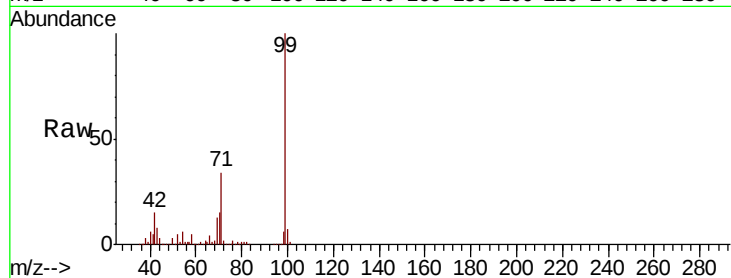
ClientSampleId :

SB-5-(0-2)

Tot Ion:	99	Resp:	971737
Ion Ratio	Lower	Upper	
99	100		
42	15.1	13.7	20.5
71	34.4	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

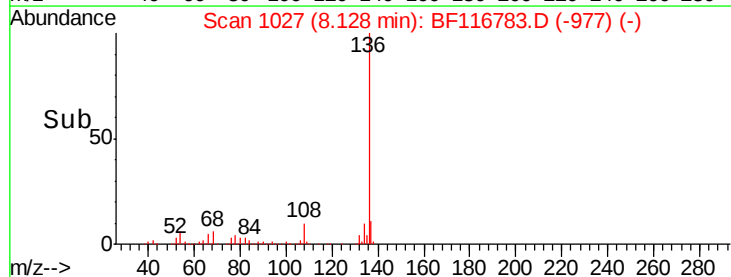
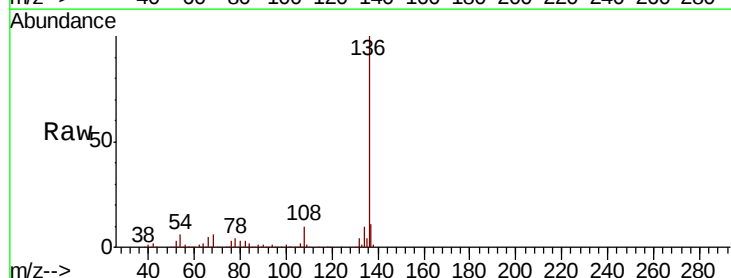
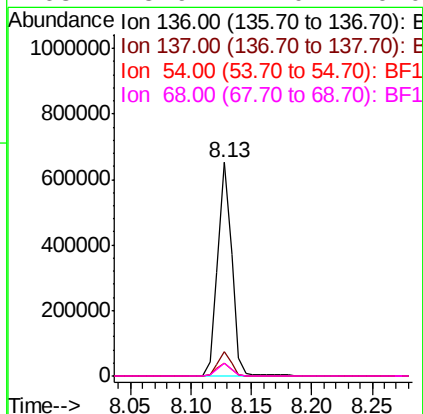
RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116783.D

Acq: 3 Sep 2019 20:06

Tgt Ion:	136	Resp:	521138
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	6.0	4.8	7.2
68	5.9	4.0	6.0





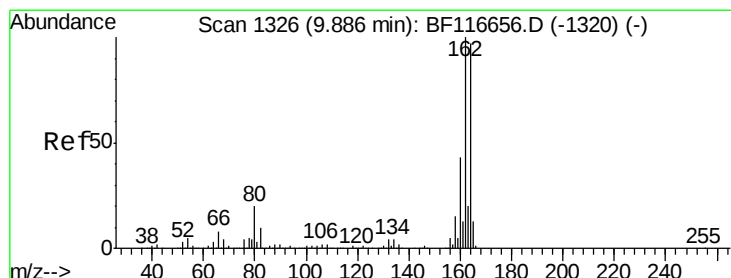
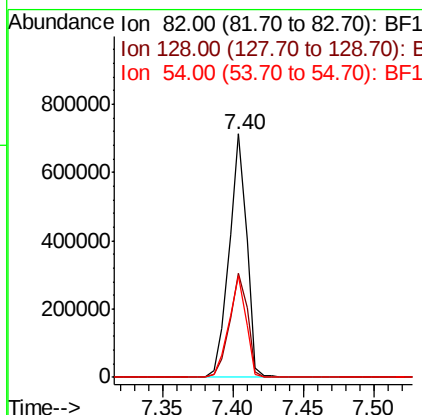
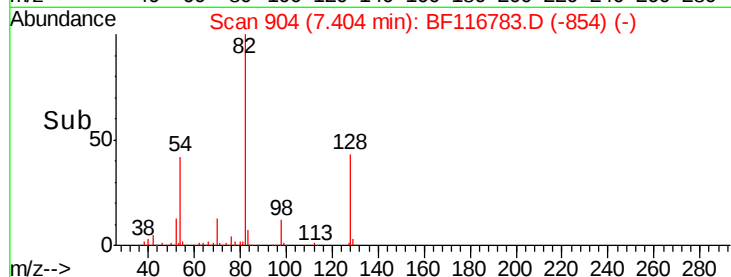
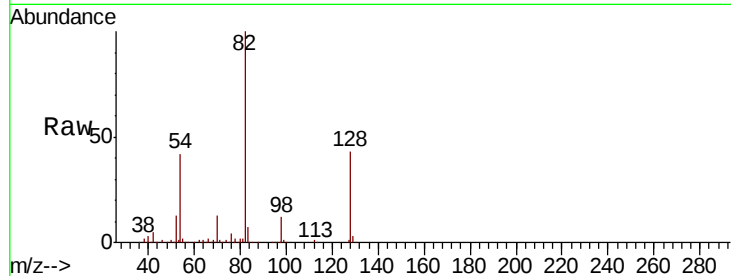
#23
 Nitrobenzene-d5
 Concen: 67.717 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(0-2)

Tot Ion:	82	Resp:	618177
Ion Ratio	Lower	Upper	
82	100		
128	43.0	32.8	49.2
54	41.5	36.9	55.3

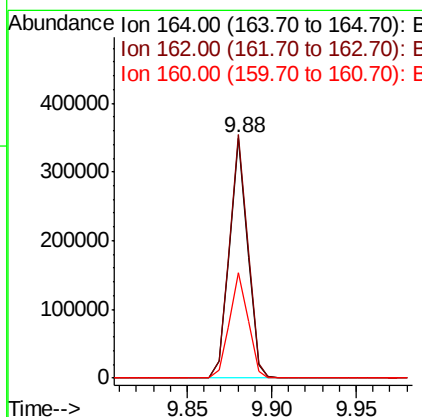
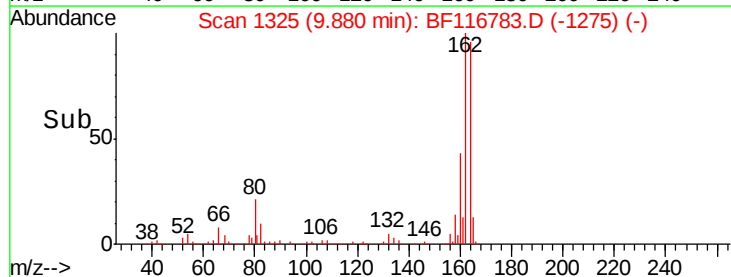
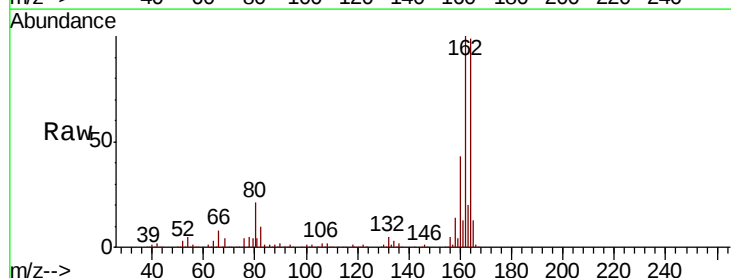
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Tgt Ion:	164	Resp:	261687
Ion Ratio	Lower	Upper	
164	100		
162	101.4	81.4	122.0
160	44.0	35.4	53.2





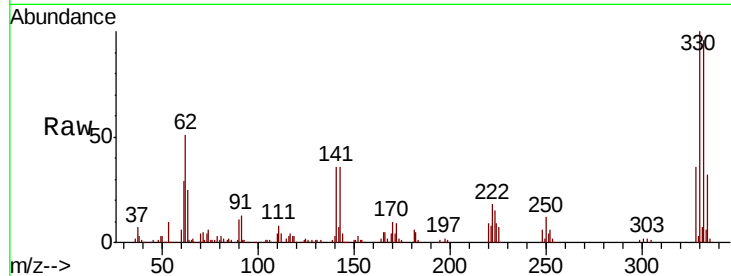
#42
 2,4,6-Tribromophenol
 Concen: 104.622 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Instrument :
 BNA_F
 ClientSampled :
 SB-5-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	76.9	115.3	
141	42.5	31.4	47.2	

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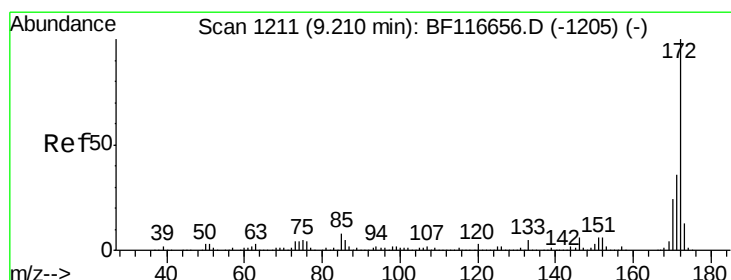
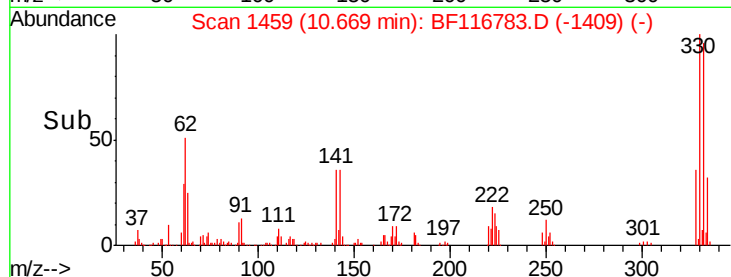
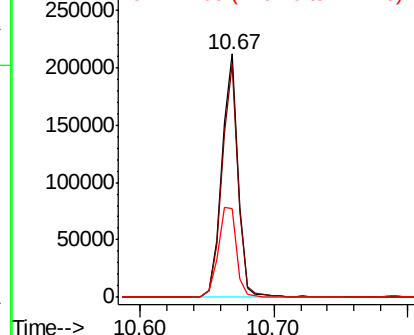


Abundance

Ion 329.80 (329.50 to 330.50): E

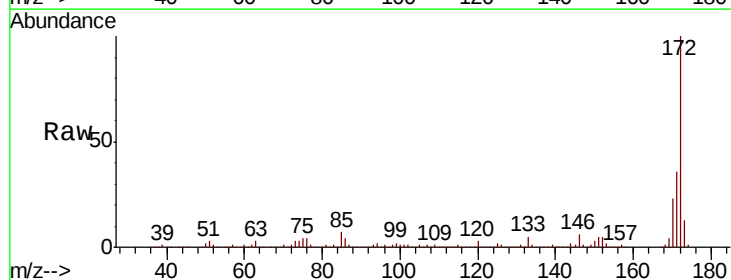
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 61.267 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	27.8	41.6	
170	23.5	18.9	28.3	

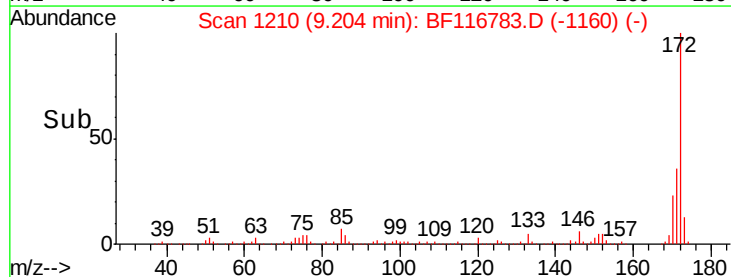
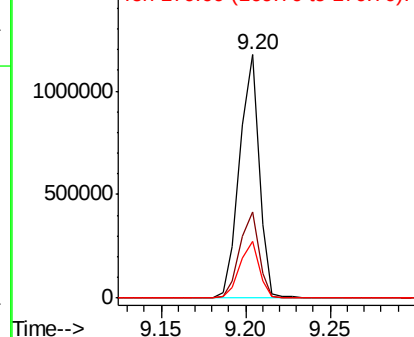


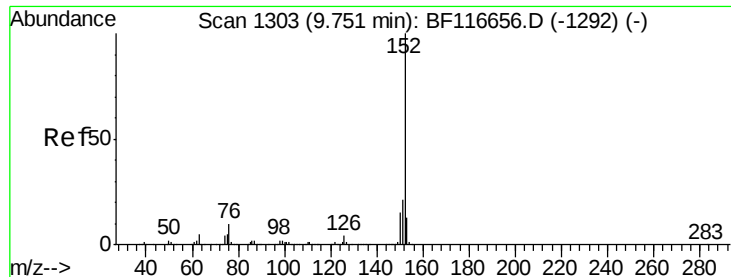
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





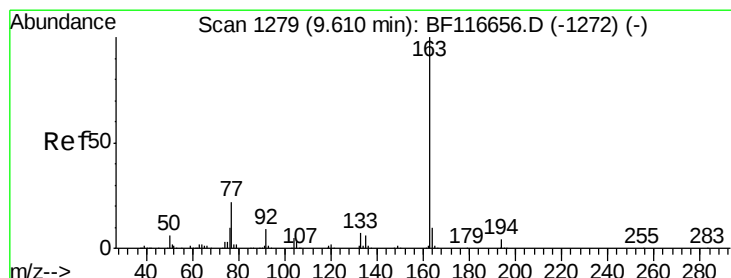
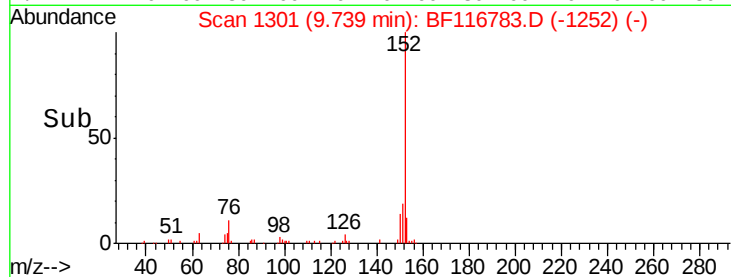
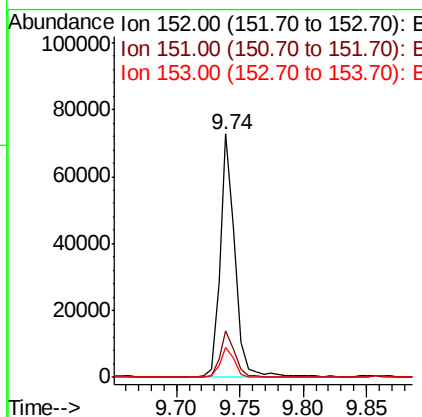
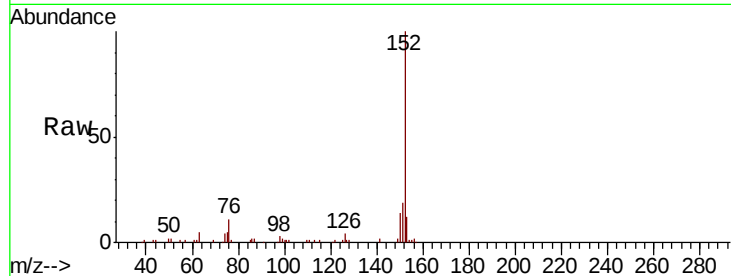
#49
Acenaphthylene
Concen: 2.522 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	59956		
151	19.2		15.9	23.9
153	12.0		10.9	16.3

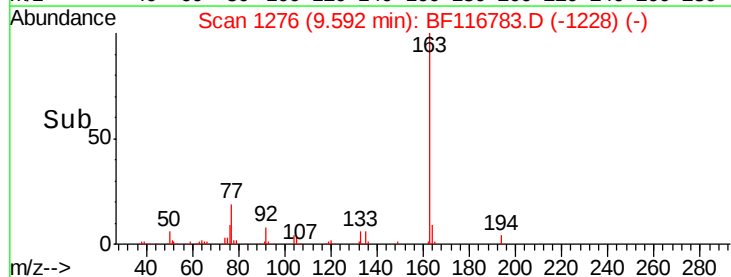
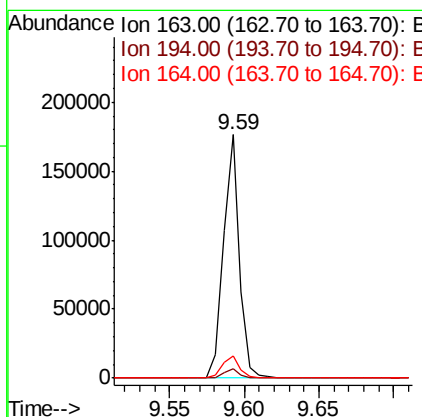
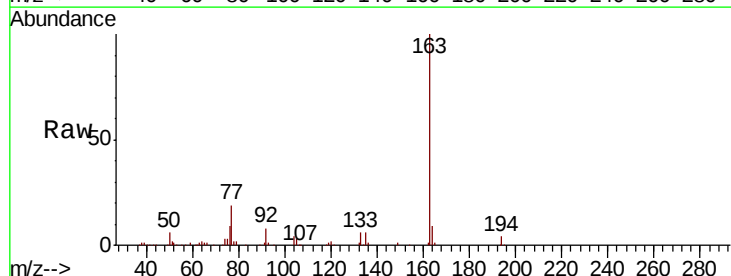
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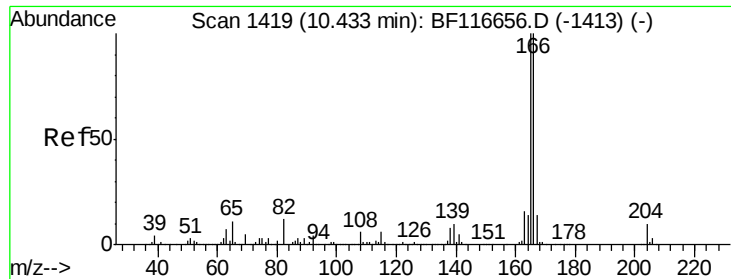
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#50
Dimethylphthalate
Concen: 7.372 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	133189		
194	3.7		2.8	4.2
164	9.3		8.6	12.8





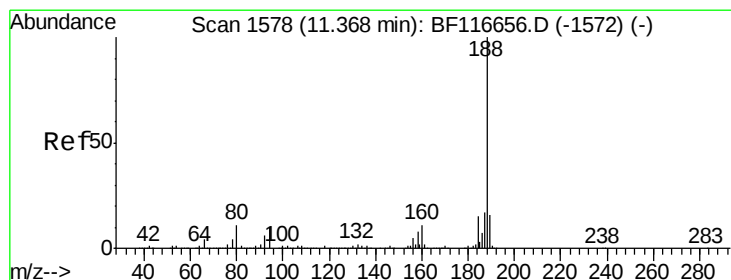
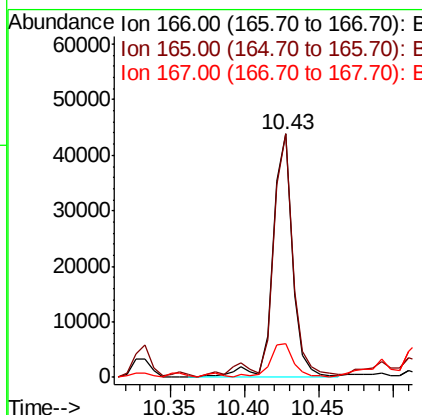
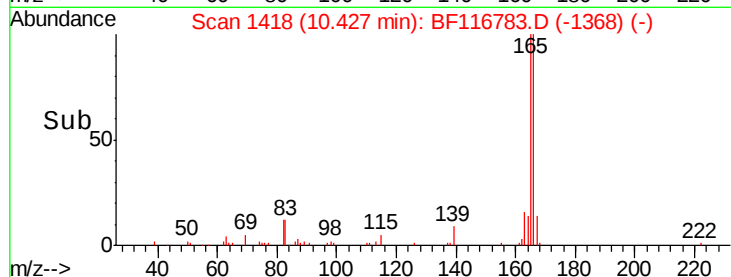
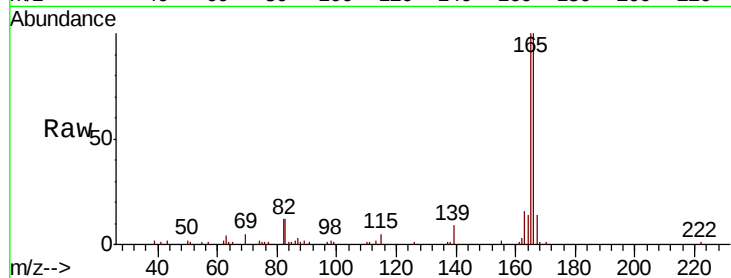
#58
 Fluorene
 Concen: 2.559 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
166	100	40159		
165	99.9	78.8	118.2	
167	14.0	10.0	15.0	

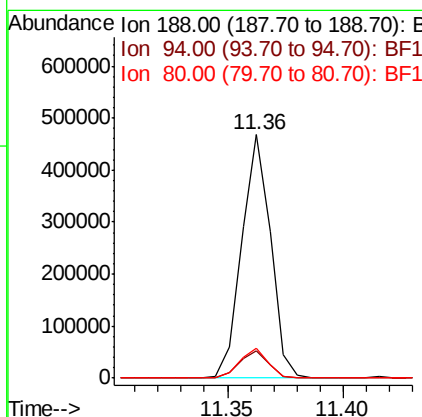
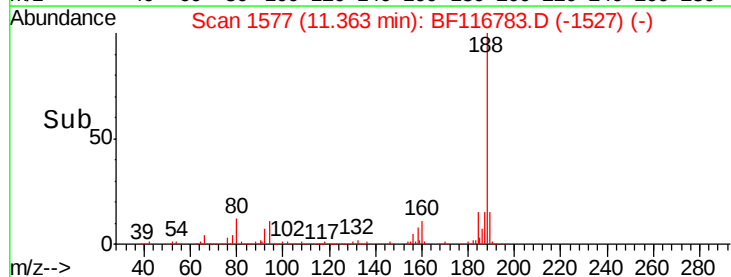
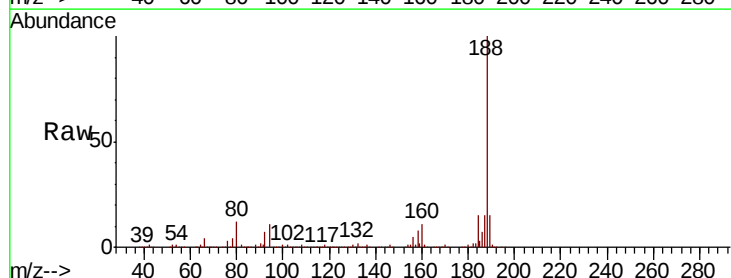
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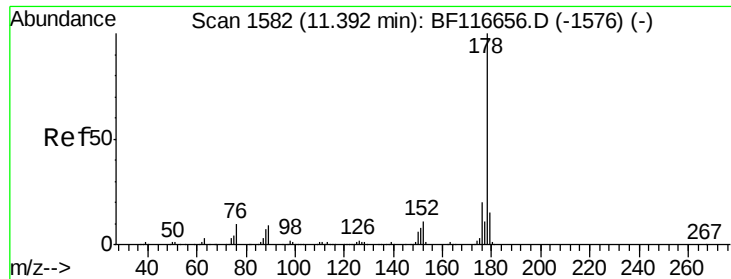
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	408009		
94	11.1	7.3	10.9#	
80	12.3	8.4	12.6	





#71

Phenanthrene

Concen: 26.081 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116783.D

Acq: 3 Sep 2019 20:06

Instrument :

BNA_F

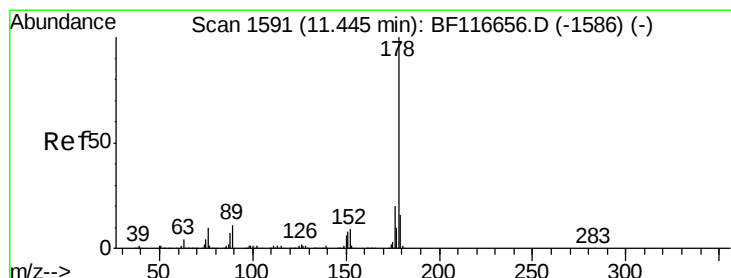
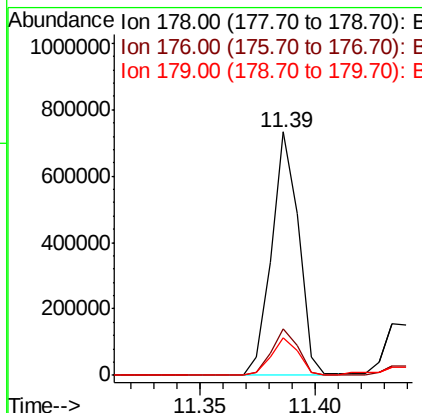
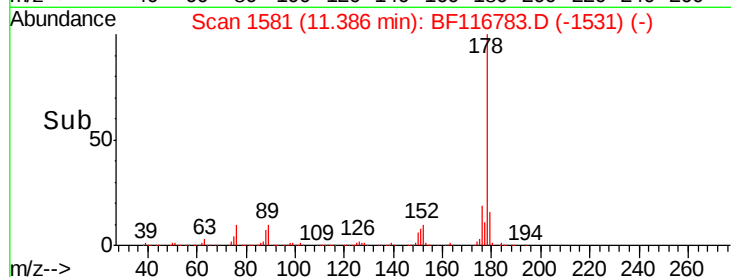
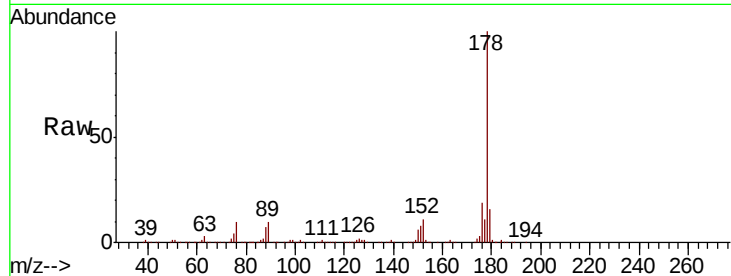
ClientSampleId :

SB-5-(0-2)

Tot Ion:	178	Resp:	592354
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.0
179	15.6	12.2	18.2

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#72

Anthracene

Concen: 6.178 ng

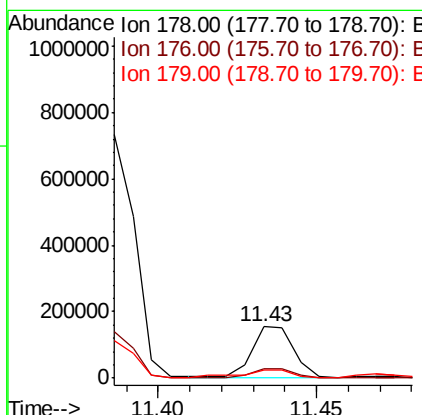
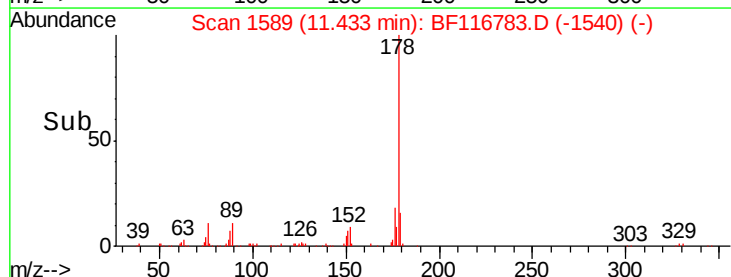
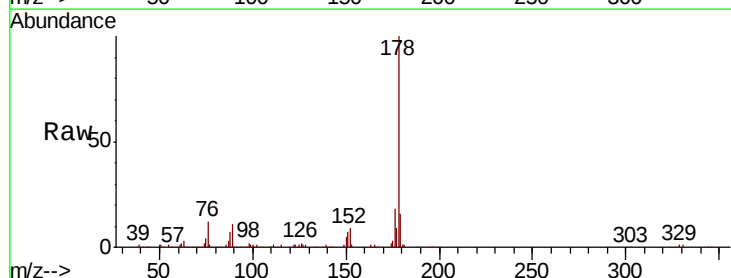
RT: 11.43 min Scan# 1589

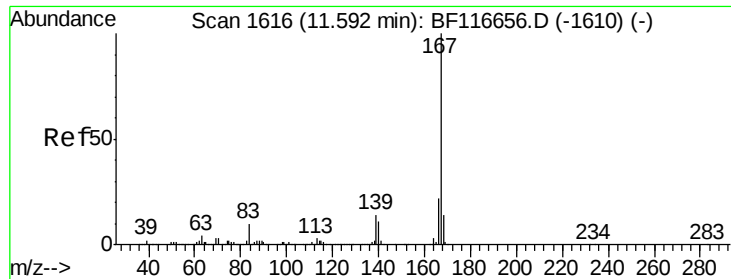
Delta R.T. -0.01 min

Lab File: BF116783.D

Acq: 3 Sep 2019 20:06

Tgt Ion:	178	Resp:	141252
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.4	23.0
179	16.2	12.5	18.7





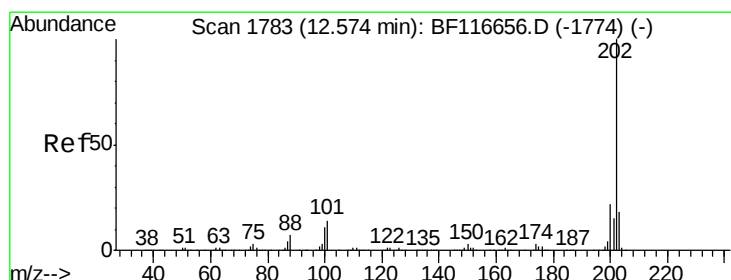
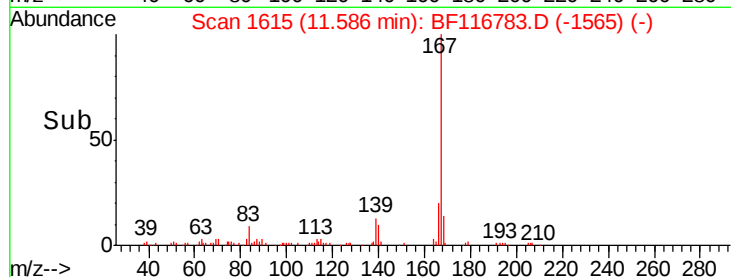
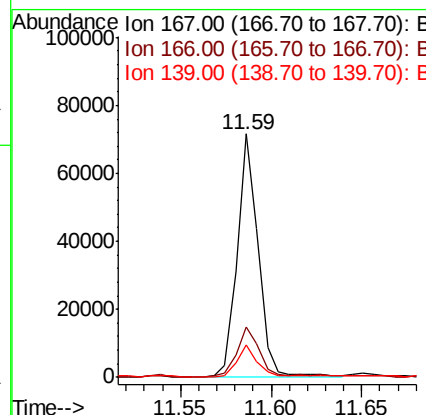
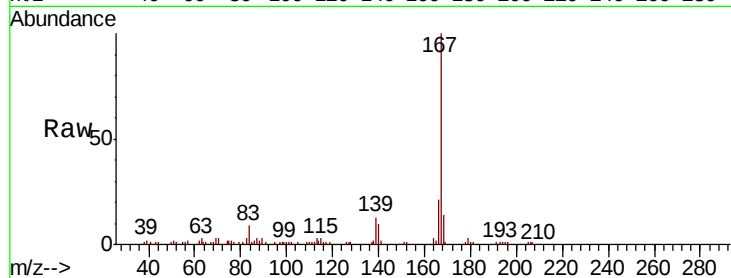
#73
 Carbazole
 Concen: 2.681 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(0-2)

Tot Ion:	167	Resp:	58397
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.8	26.6
139	13.2	11.1	16.7

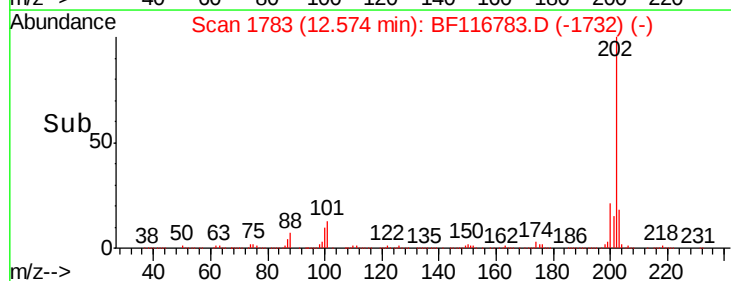
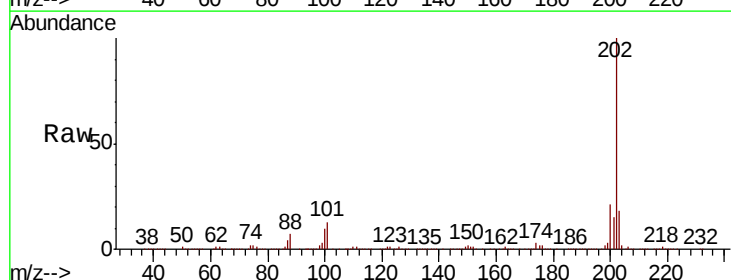
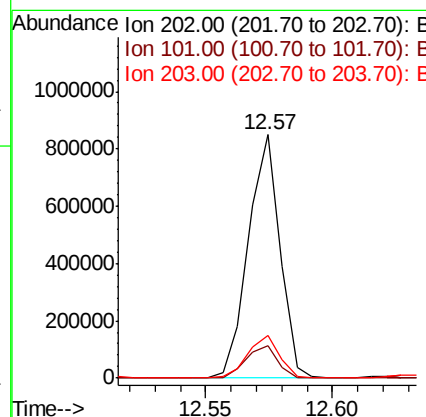
Manual Integrations
 APPROVED

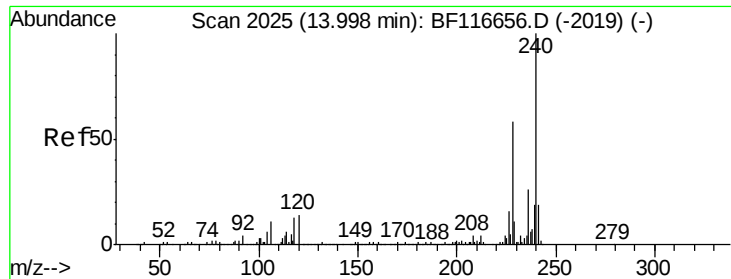
mohammad
 9/6/2019 8:18:18 AM



#75
 Fluoranthene
 Concen: 32.844 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Tgt Ion:	202	Resp:	733093
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	31.3
203	17.7	0.0	37.6





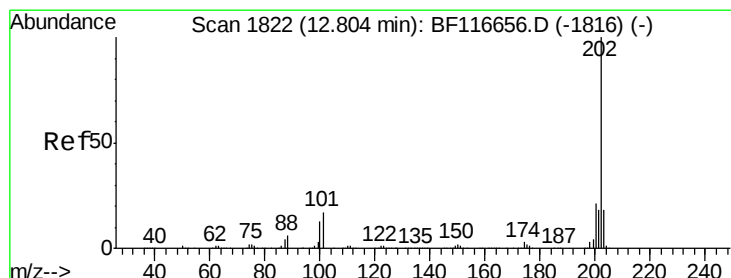
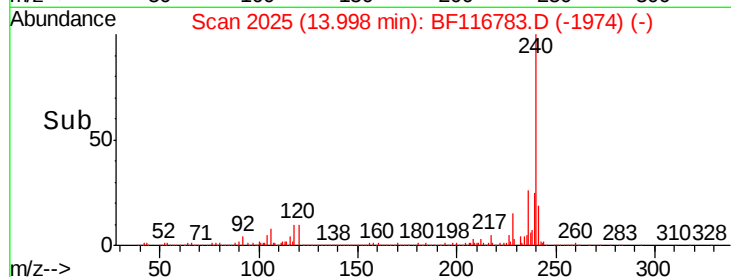
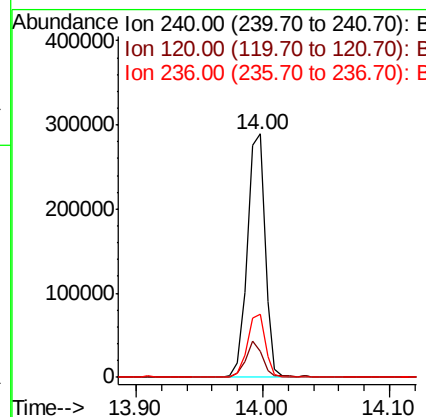
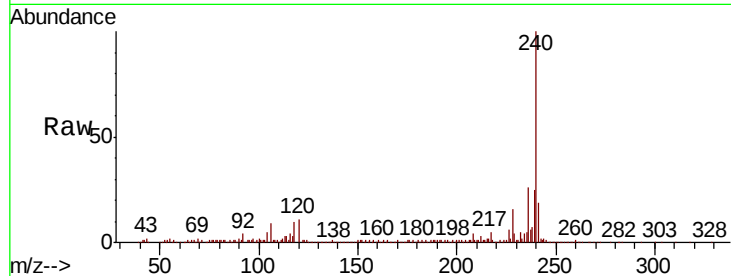
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.1	13.7
236	25.8	21.1	31.7

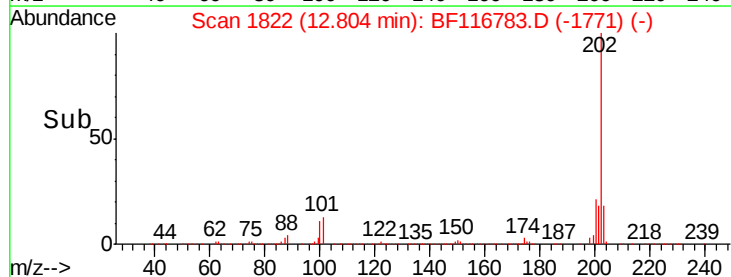
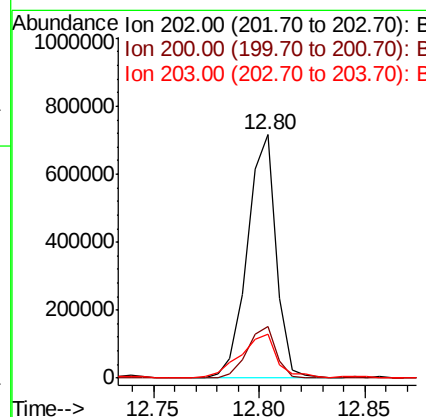
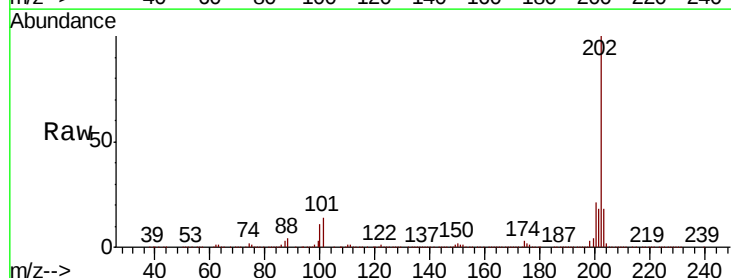
Manual Integrations
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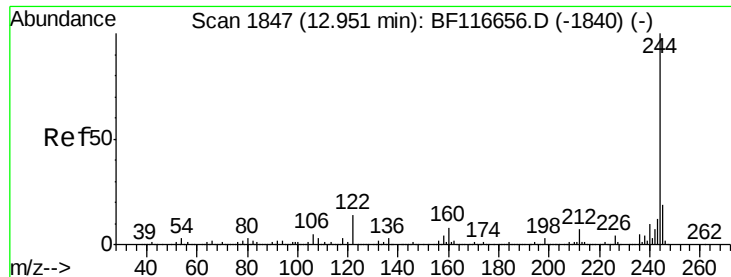
mohammad
9/6/2019 8:18:18 AM



#78
Pyrene
Concen: 27.090 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	18.1	13.7	20.5





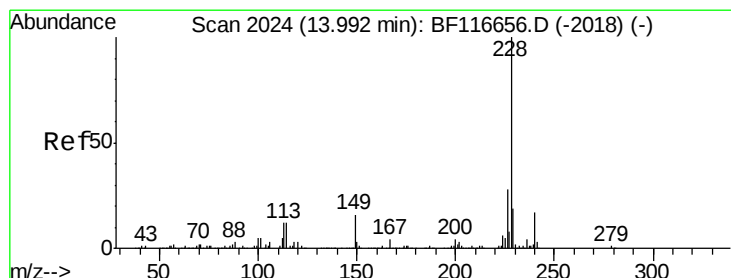
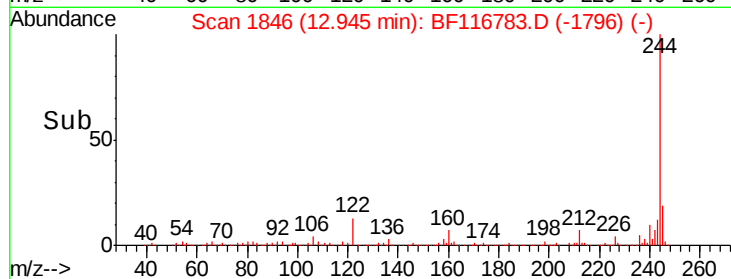
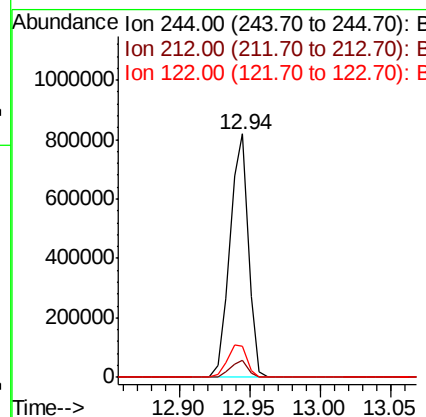
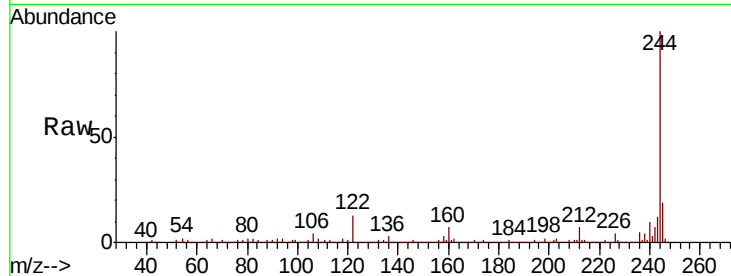
#79
 Terphenyl-d14
 Concen: 48.889 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Instrument :
 BNA_F
 ClientSampled :
 SB-5-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	12.9	10.2	15.4

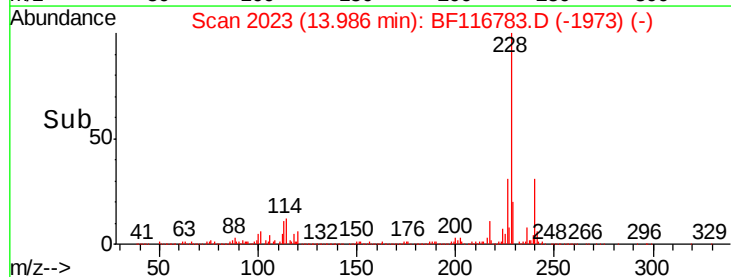
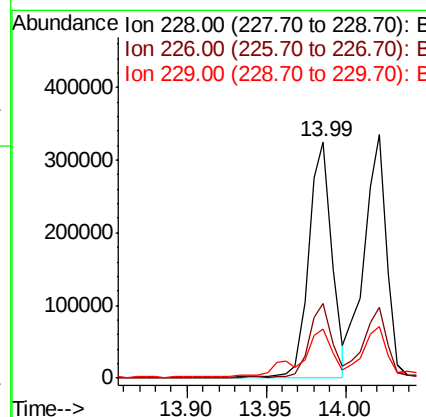
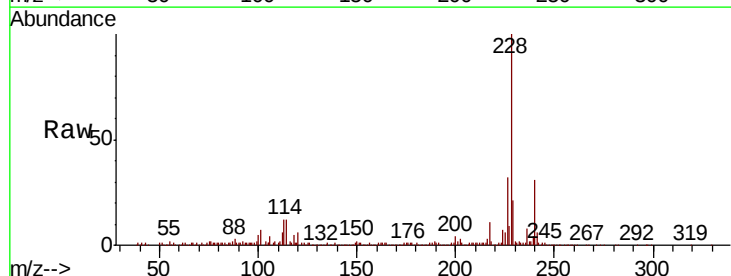
Manual Integrations
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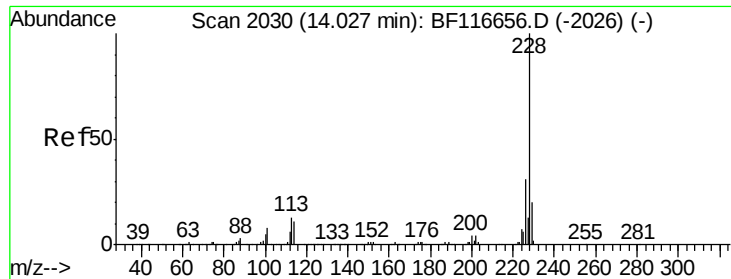
mohammad
 9/6/2019 8:18:18 AM



#81
 Benzo(a)anthracene
 Concen: 18.458 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116783.D
 Acq: 3 Sep 2019 20:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.0	33.0
229	20.7	16.4	24.6





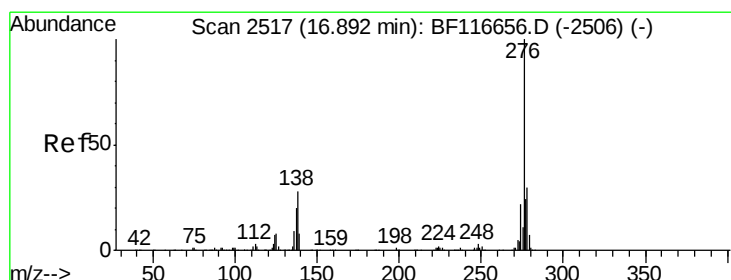
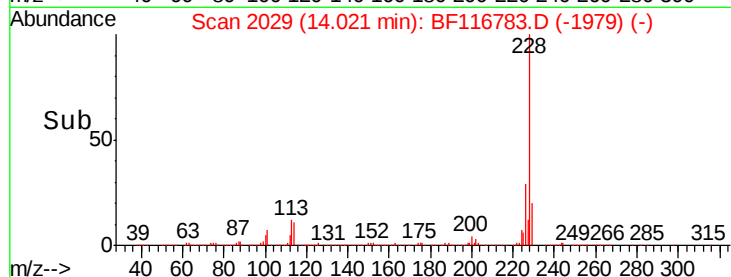
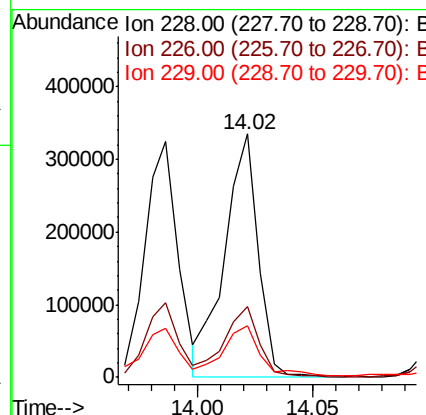
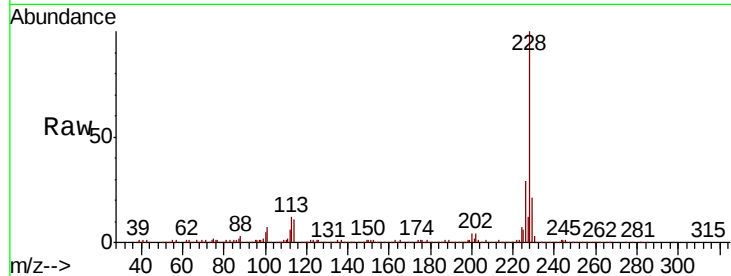
#83
Chrysene
Concen: 18.295 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Tot Ion:	228	Resp:	335207
Ion Ratio		Lower	Upper
228	100		
226	29.3	24.0	36.0
229	21.2	15.4	23.0

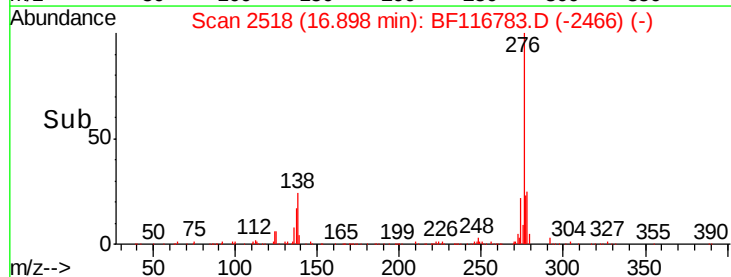
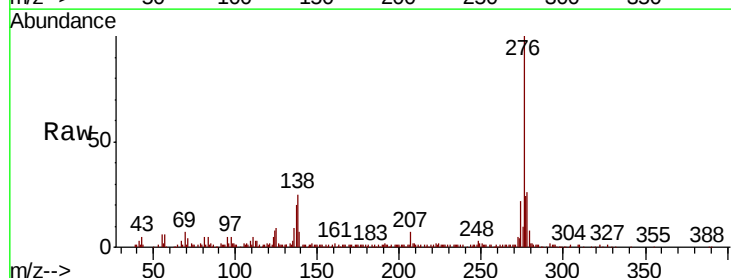
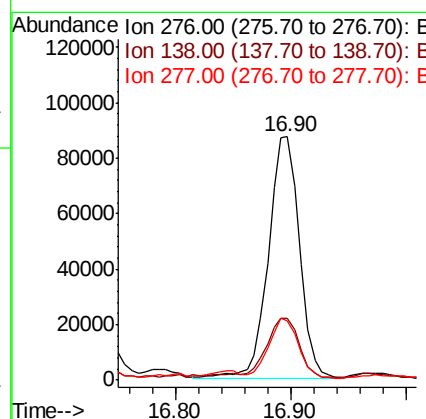
Manual Integrations
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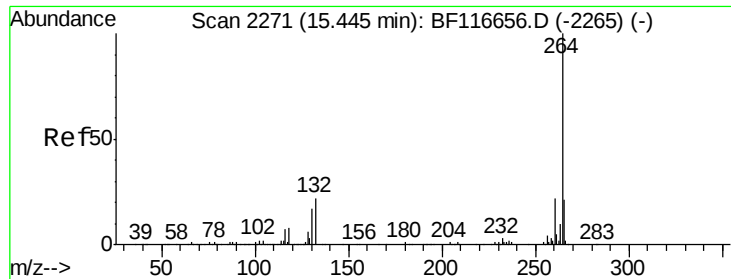
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.081 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:	276	Resp:	163076
Ion Ratio		Lower	Upper
276	100		
138	27.0	19.4	29.2
277	23.7	20.5	30.7





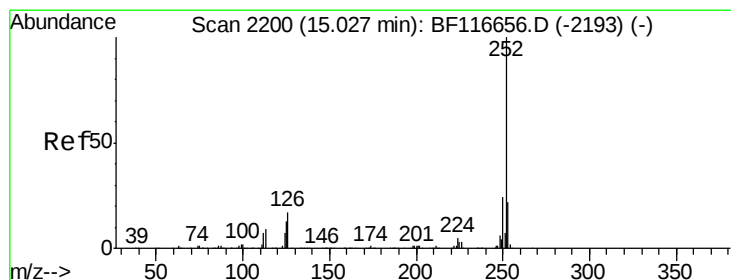
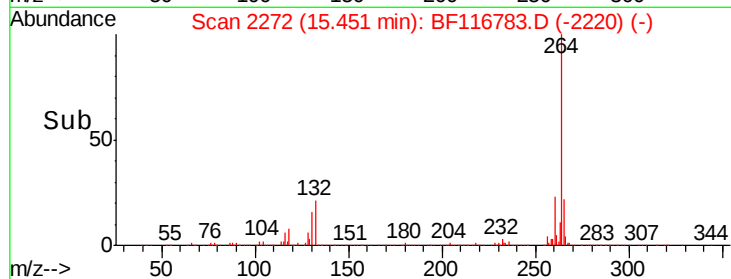
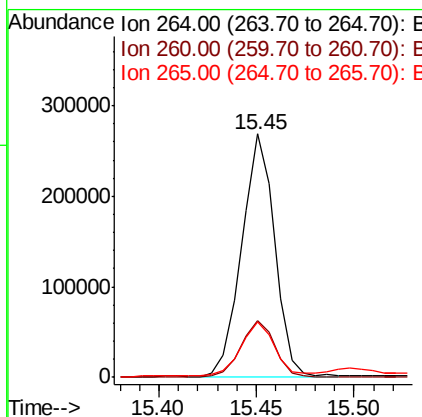
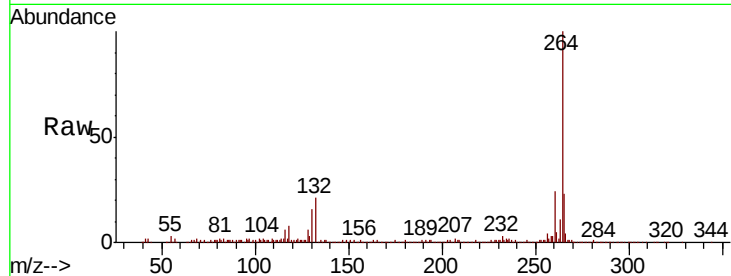
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.3	27.5
265	22.7	16.5	24.7

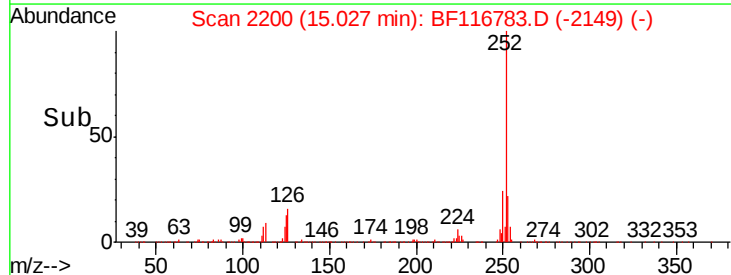
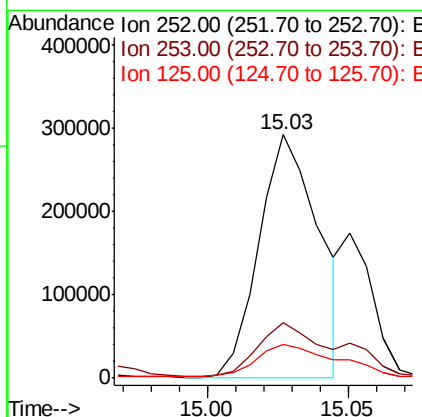
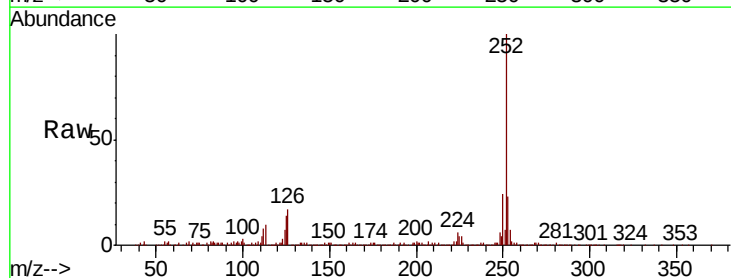
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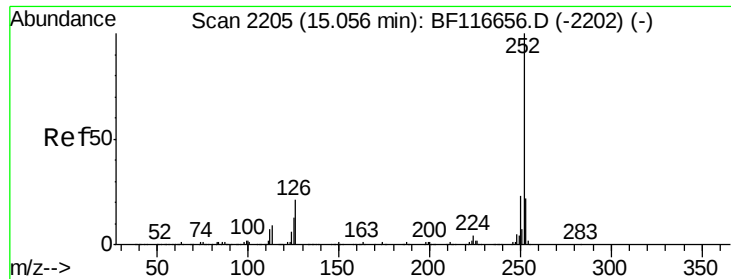
mohammad
9/6/2019 8:18:18 AM



#88
Benzo(b)fluoranthene
Concen: 22.750 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	13.9	8.2	12.2#





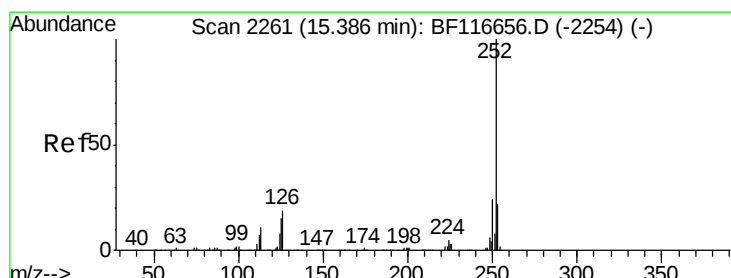
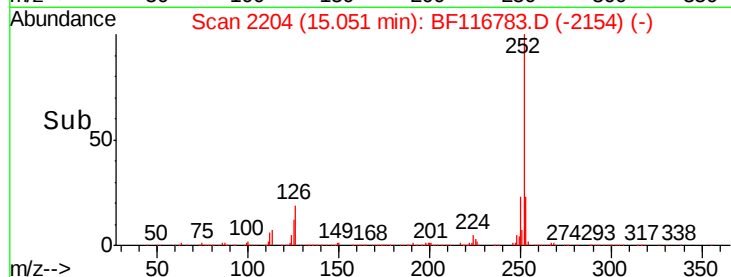
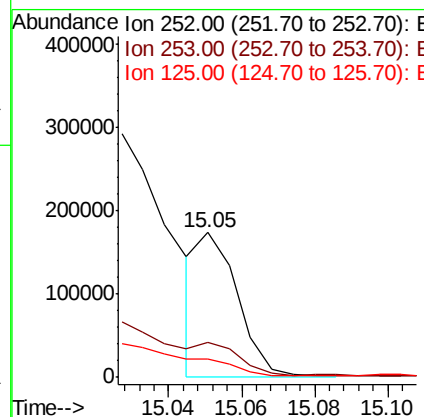
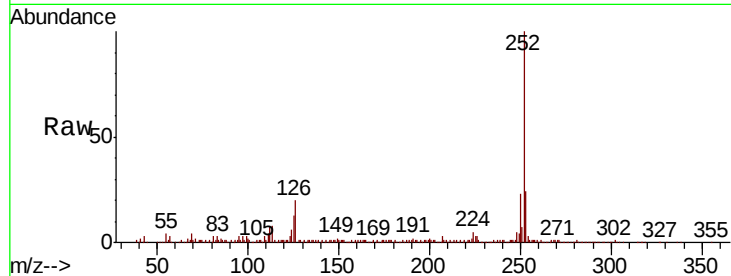
#89
Benzo(k)fluoranthene
Concen: 7.637 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	12.9	8.6	13.0

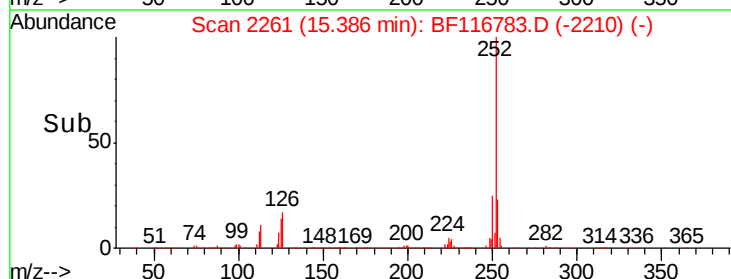
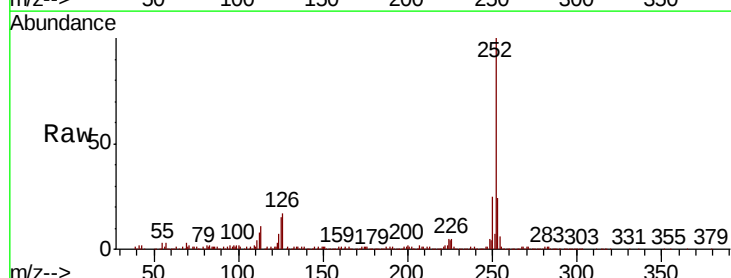
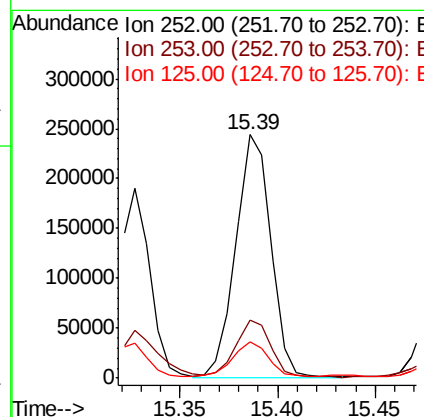
Manual Integrations
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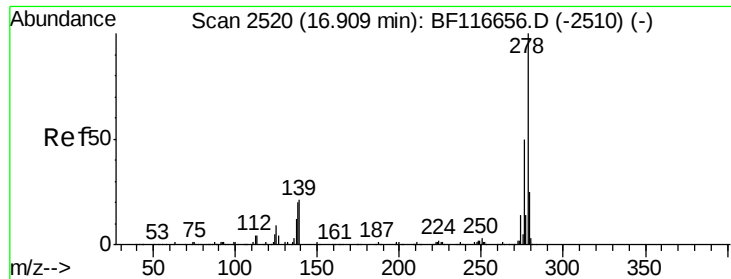
mohammad
9/6/2019 8:18:18 AM



#90
Benzo(a)pyrene
Concen: 18.342 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.9	9.8	14.8





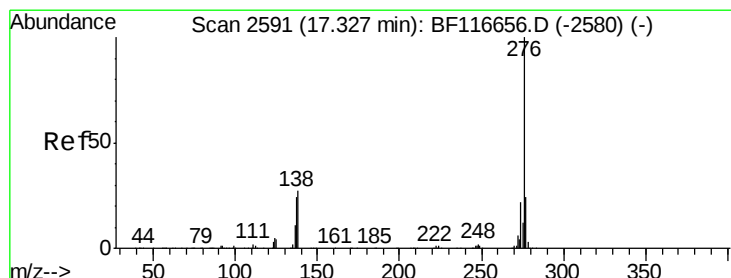
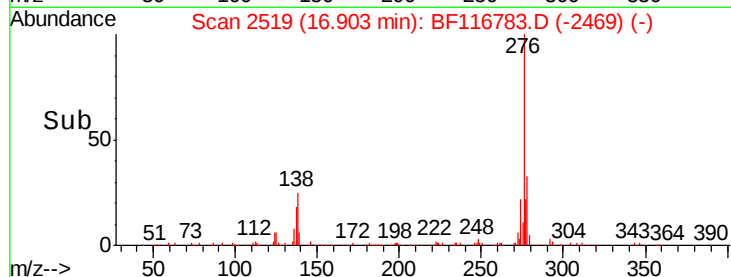
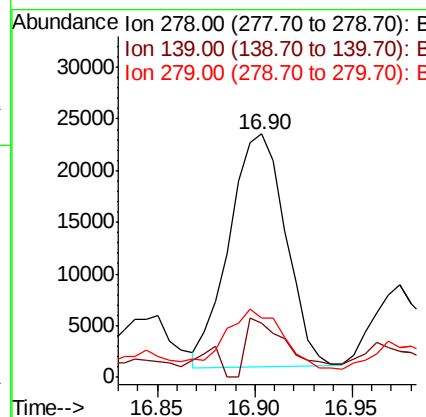
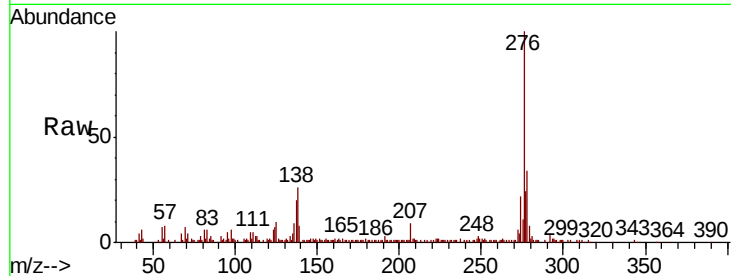
#91
Dibenzo(a,h)anthracene
Concen: 3.128 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.4	12.4	18.6#
279	24.2	18.2	27.4

Manual Integrations
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9/6/2019 8:18:18 AM



#92
Benzo(g,h,i)perylene
Concen: 9.941 ng
RT: 17.33 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.0	18.5	27.7
138	26.7	16.2	24.2#

