

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
 Data File : BF117967.D
 Acq On : 23 Nov 2019 20:04
 Operator : JU
 Sample : K5927-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-8

Manual Integrations
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 11/25/2019 2:32:26 PM

Quant Time: Nov 25 08:43:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	113850	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	452618	20.00	ng	-0.02
39) Acenaphthene-d10	9.95	164	240812	20.00	ng	-0.02
64) Phenanthrene-d10	11.44	188	462742	20.00	ng	-0.02
76) Chrysene-d12	14.09	240	371125	20.00	ng	-0.02
87) Perylene-d12	15.60	264	344929	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	617538	96.01	ng	-0.02
7) Phenol-d6	6.52	99	646078	83.28	ng	-0.02
23) Nitrobenzene-d5	7.46	82	382187	50.20	ng	-0.03
42) 2,4,6-Tribromophenol	10.74	330	213544	83.76	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	800662	59.65	ng	-0.02
79) Terphenyl-d14	13.03	244	996465	49.07	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	9.66	163	153855	9.111	ng	98
71) Phenanthrene	11.47	178	359008	15.431	ng	97
72) Anthracene	11.52	178	101169	4.386	ng	96
73) Carbazole	11.67	167	45807	2.272	ng	96
75) Fluoranthene	12.66	202	373758	12.149	ng	98
78) Pyrene	12.89	202	340651	11.358	ng	98
81) Benzo(a)anthracene	14.08	228	171797	7.005	ng	98
83) Chrysene	14.12	228	144763	6.092	ng	96
86) Indeno(1,2,3-cd)pyrene	17.11	276	78582	3.885	ng	95
88) Benzo(b)fluoranthene	15.15	252	160130m	7.145	ng	
89) Benzo(k)fluoranthene	15.17	252	50342m	2.384	ng	
90) Benzo(a)pyrene	15.53	252	125851	6.386	ng	98
92) Benzo(a,h,i)perylene	17.57	276	66046	3.909	ng	98

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

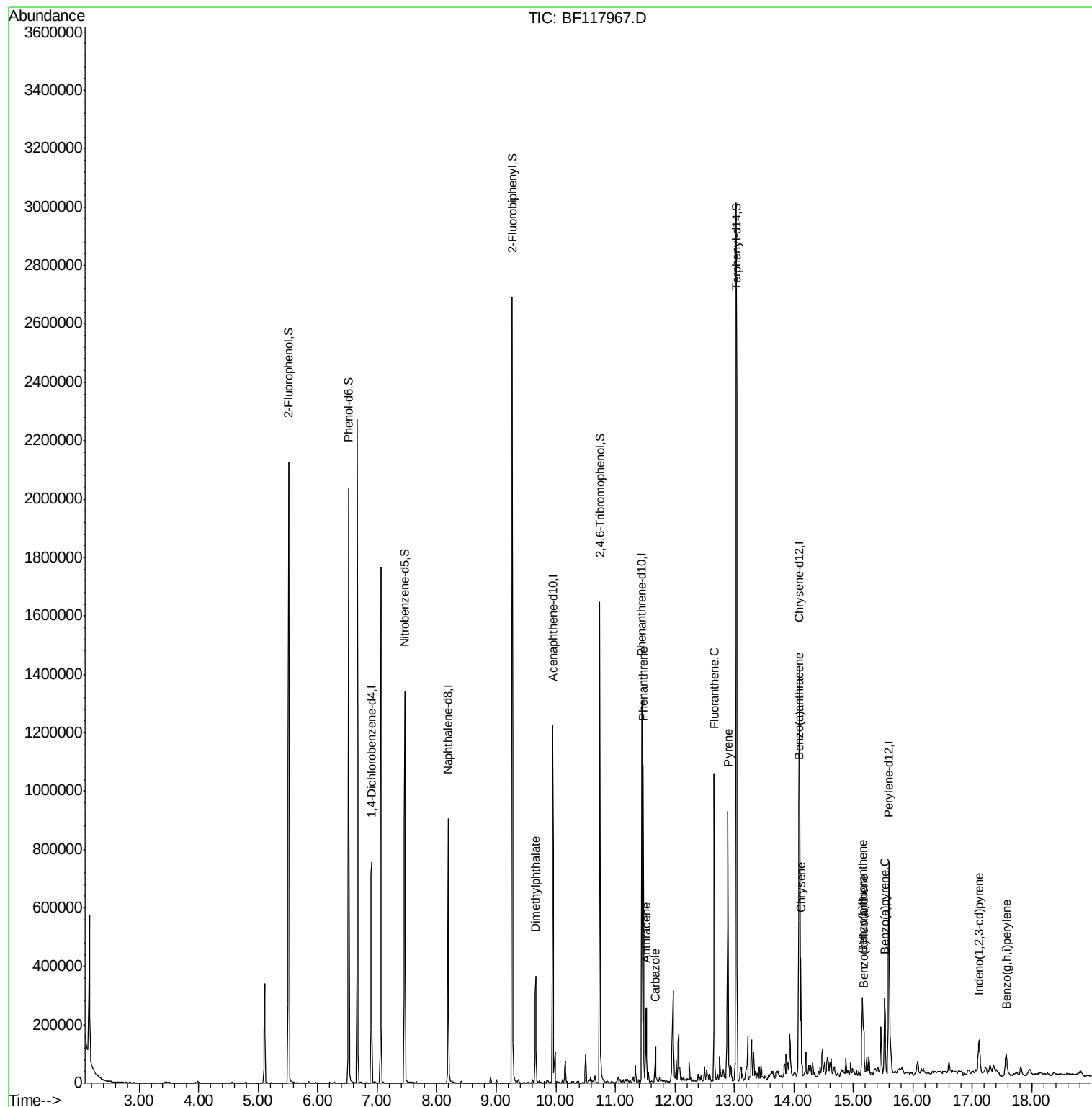
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
Data File : BF117967.D
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Misc :
ALS Vial : 19 Sample Multiplier: 1

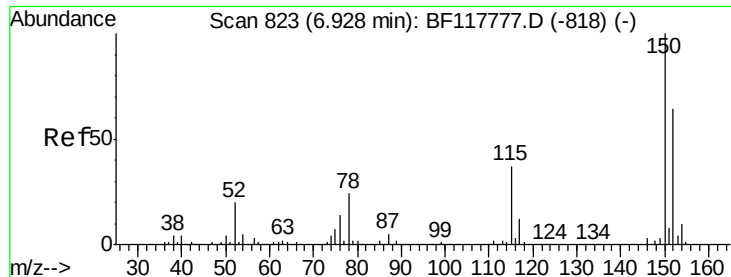
Instrument :
BNA_F
ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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#1

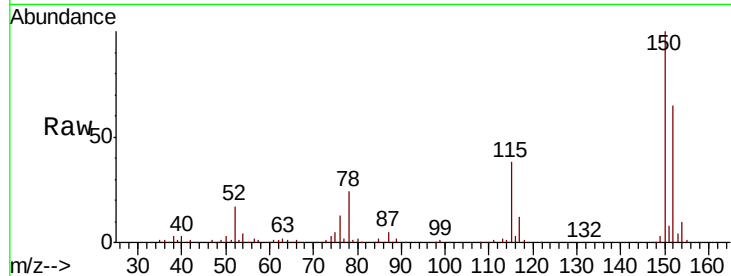
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Instrument :
BNA_F
ClientSampled :
B-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.3	187.9
115	58.6	47.0	70.4

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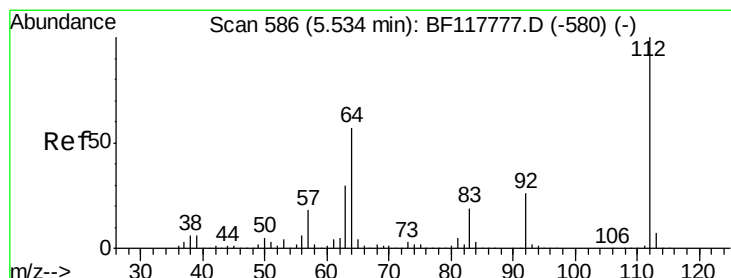
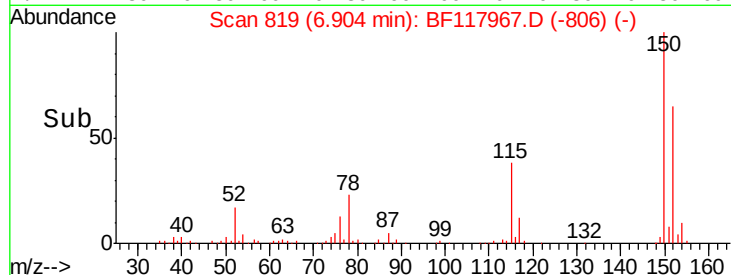
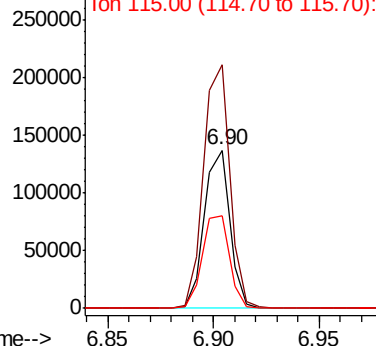


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

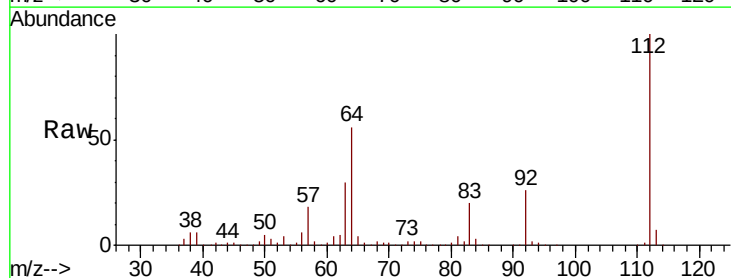
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.013 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.02 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.6	68.4
63	29.8	24.1	36.1

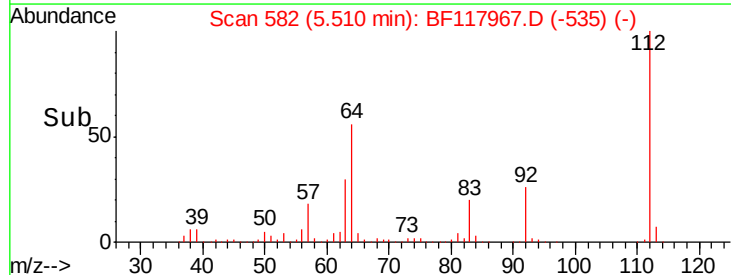
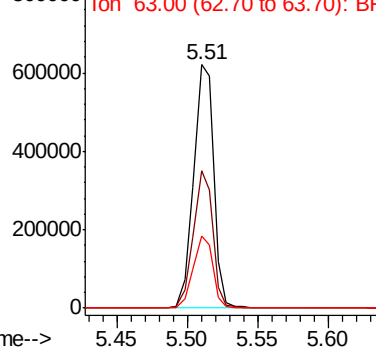


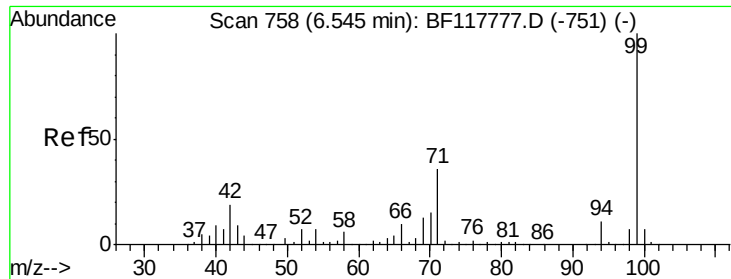
Abundance

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: 83.281 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF117967.D

Acq: 23 Nov 2019 20:04

Instrument :

BNA_F

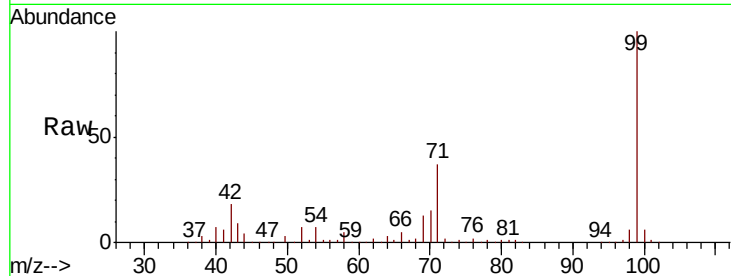
ClientSampled :

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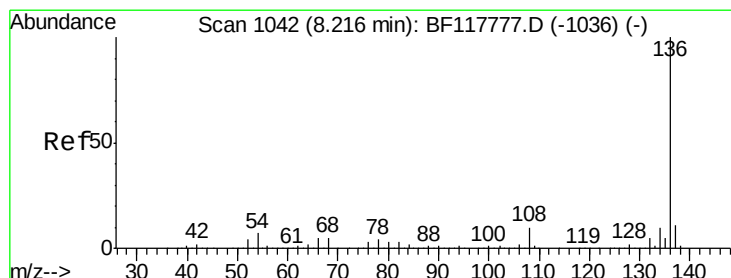
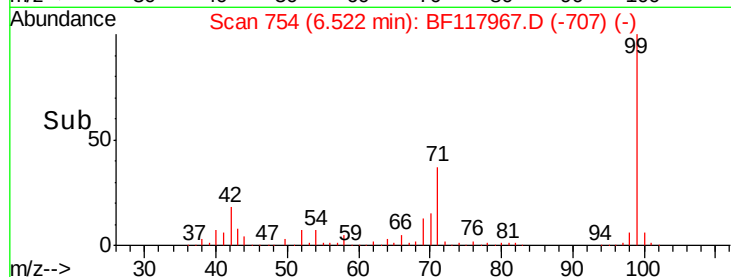
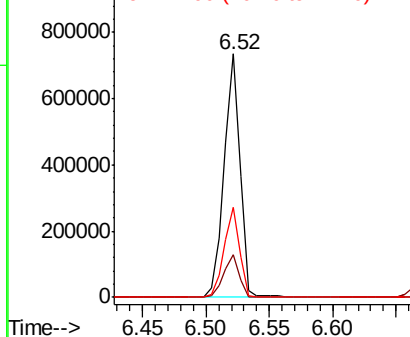
Tot Ion:	99	Resp:	646078
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.9	22.3
71	36.9	28.6	43.0

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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: 8.19 min Scan# 1038

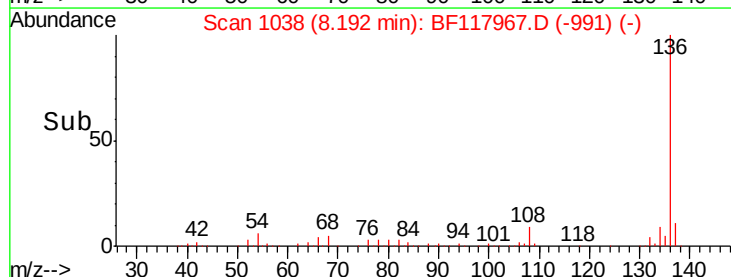
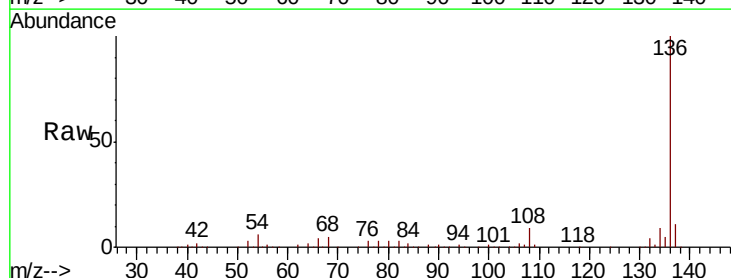
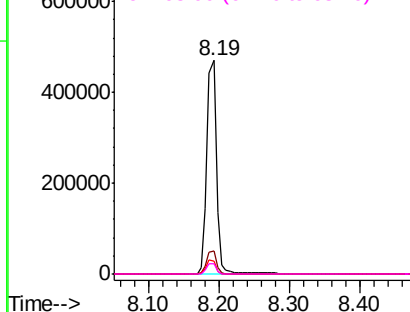
Delta R.T. -0.02 min

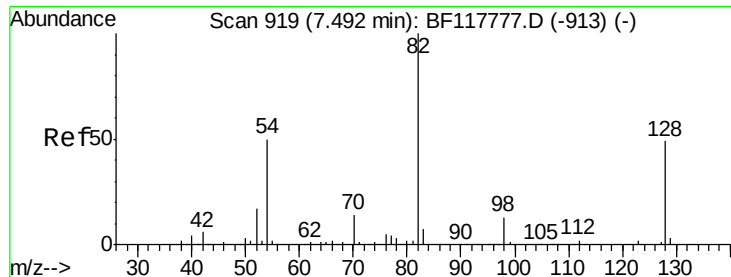
Lab File: BF117967.D

Acq: 23 Nov 2019 20:04

Tgt Ion:	136	Resp:	452618
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	6.0	5.4	8.2
68	4.8	4.3	6.5

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





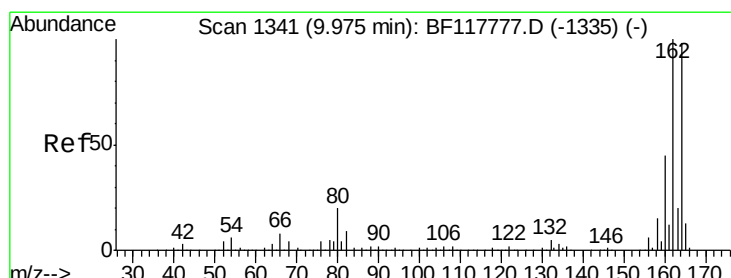
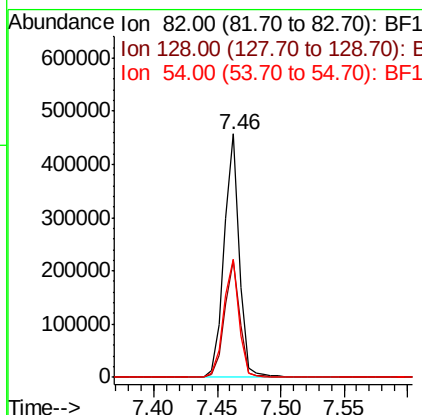
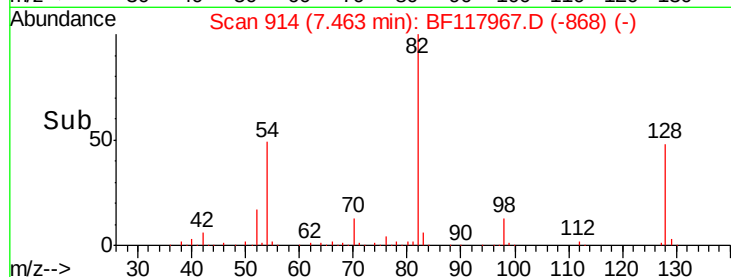
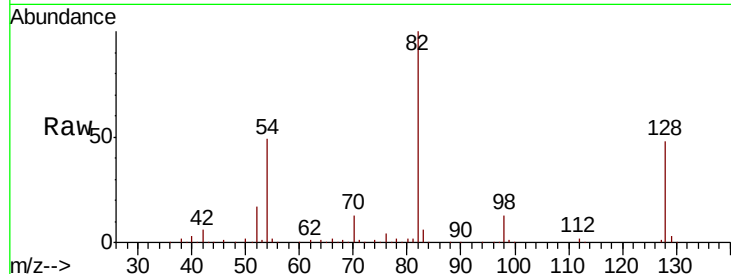
#23
Nitrobenzene-d5
Concen: 50.196 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Instrument :
BNA_F
ClientSampled :
B-8

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	38.9	58.3
54	48.6	39.8	59.6

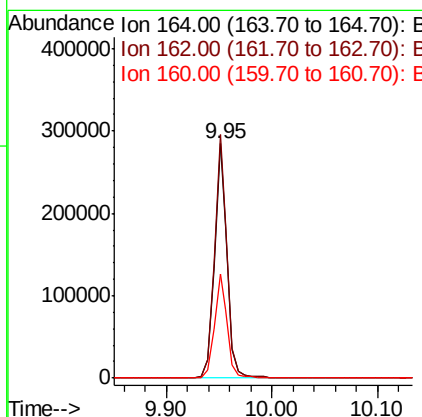
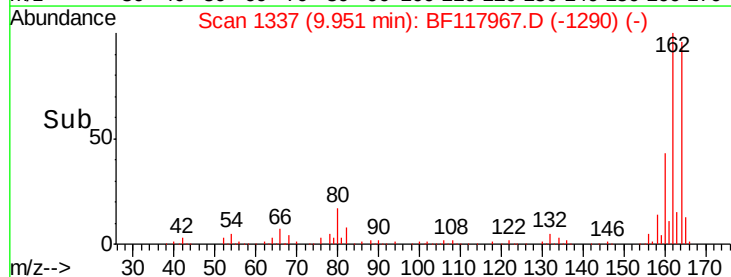
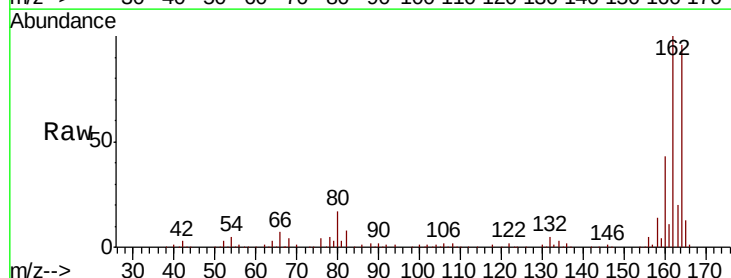
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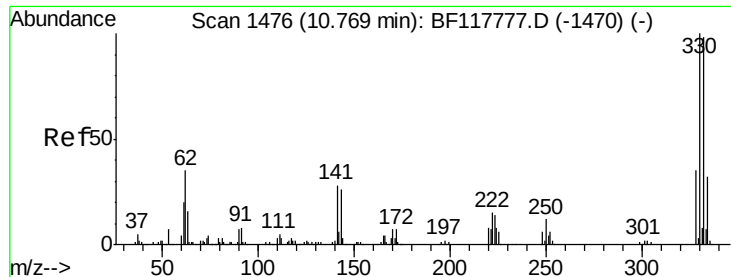
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.3	121.9
160	44.6	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 83.761 ng

RT: 10.74 min Scan# 1472

Delta R.T. -0.02 min

Lab File: BF117967.D

Acq: 23 Nov 2019 20:04

Instrument :

BNA_F

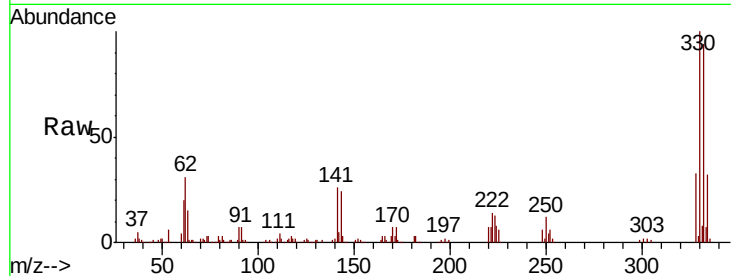
ClientSampled :

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Tot Ion:	330	Resp:	213544
Ion Ratio	Lower	Upper	
330	100		
332	96.7	76.7	115.1
141	34.3	27.7	41.5

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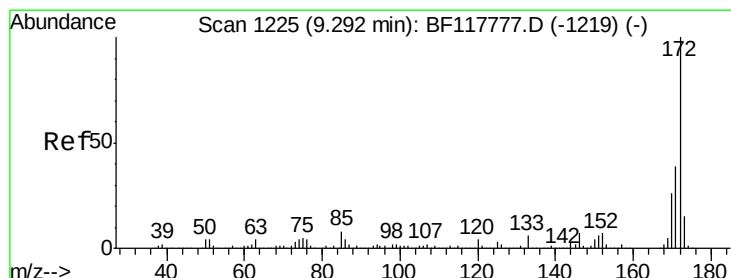
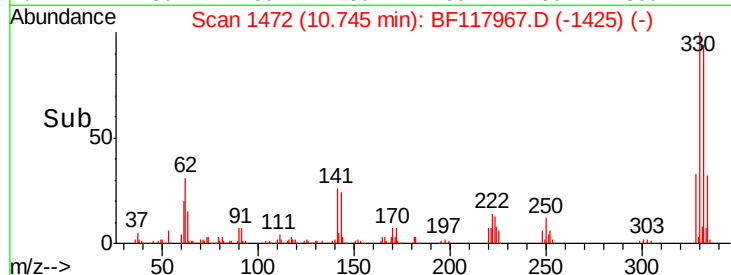
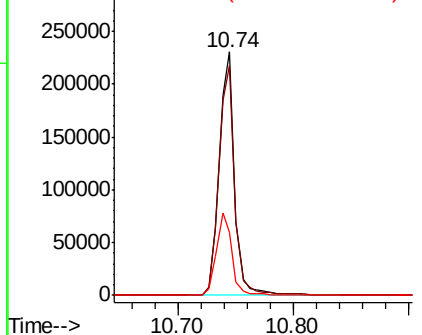


Abundance

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: 59.649 ng

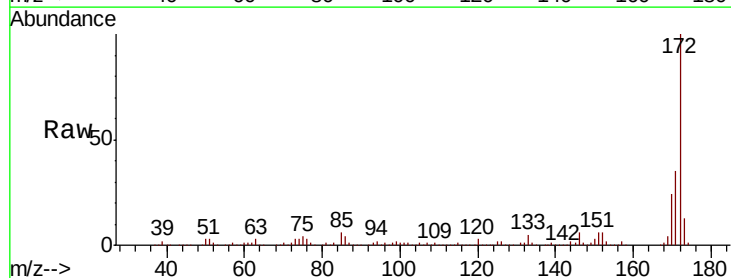
RT: 9.27 min Scan# 1221

Delta R.T. -0.02 min

Lab File: BF117967.D

Acq: 23 Nov 2019 20:04

Tgt Ion:	172	Resp:	800662
Ion Ratio	Lower	Upper	
172	100		
171	35.4	30.9	46.3
170	23.8	21.0	31.4

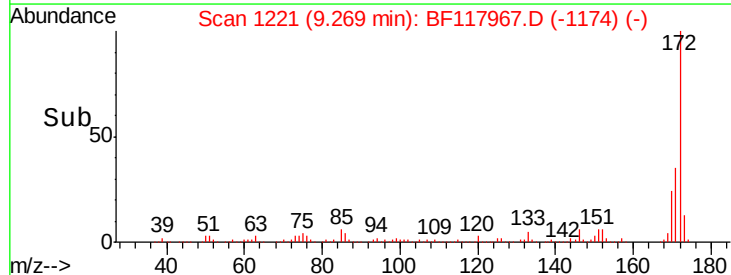
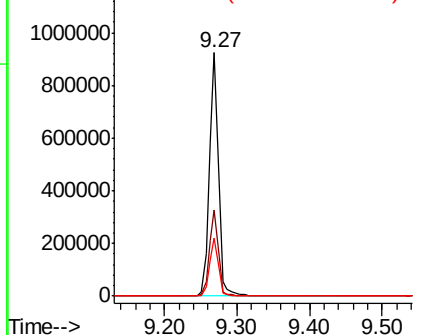


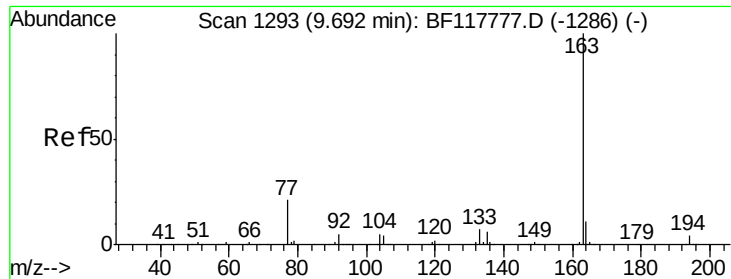
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





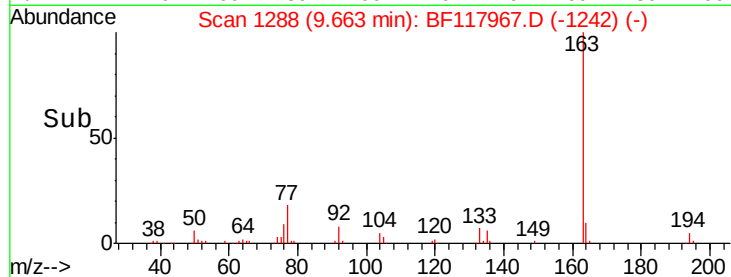
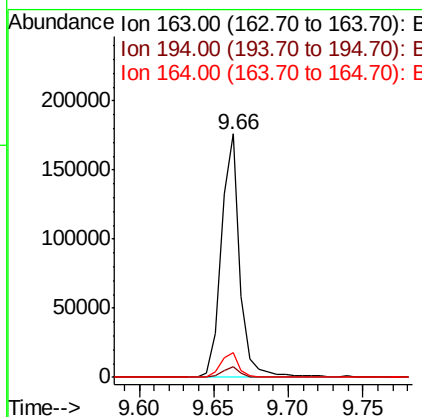
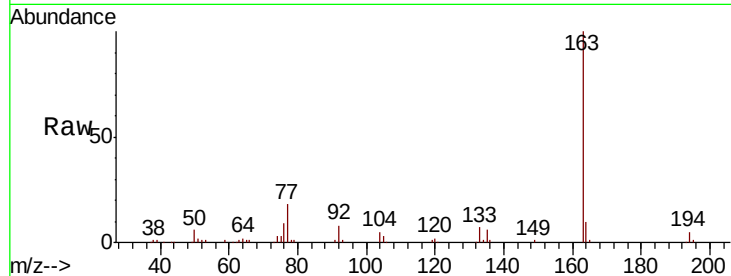
#50
Dimethylphthalate
Concen: 9.111 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.5	3.3	4.9	
164	10.2	8.7	13.1	

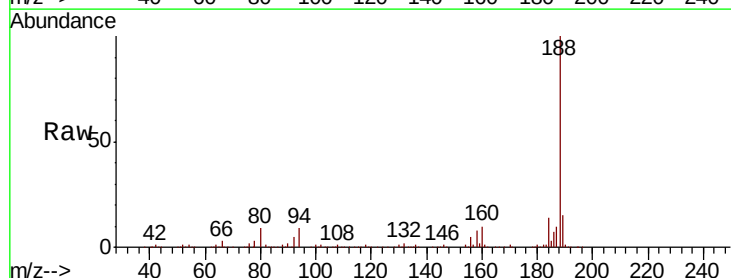
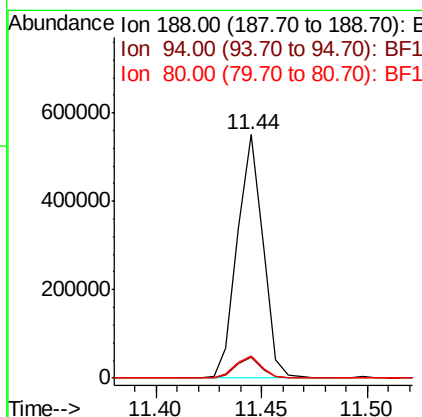
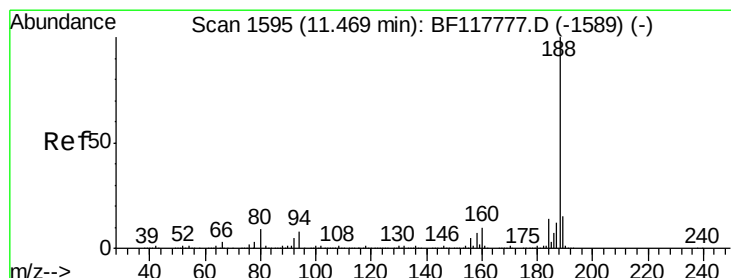
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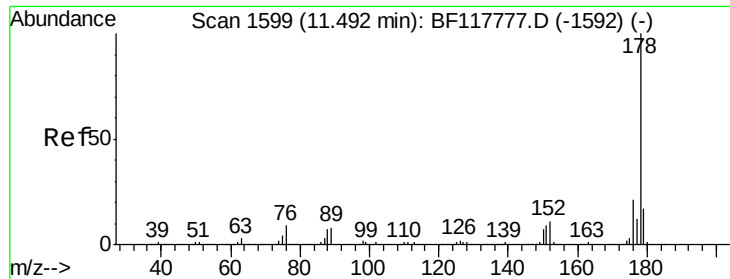
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.5	6.6	10.0	
80	9.2	7.2	10.8	





#71

Phenanthrene

Concen: 15.431 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF117967.D

Acq: 23 Nov 2019 20:04

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:178 Resp: 359008

Ion Ratio Lower Upper

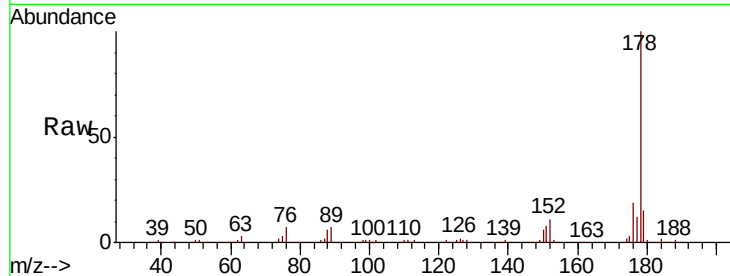
178 100

176 19.0 16.6 25.0

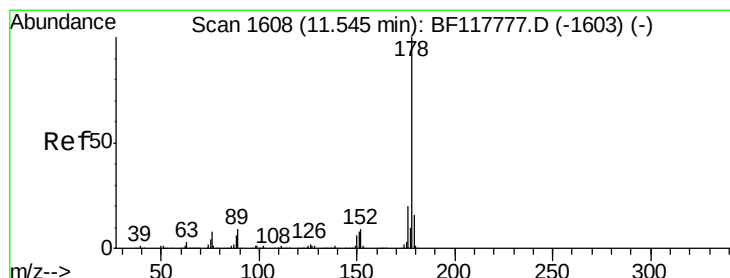
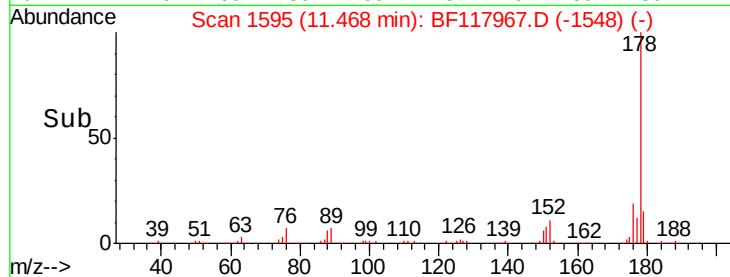
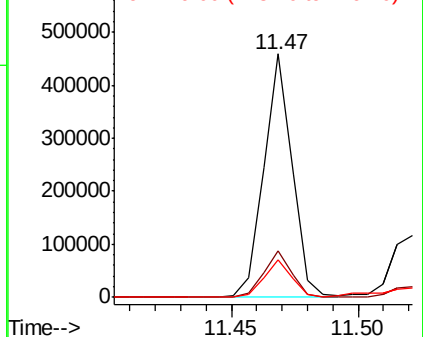
179 15.3 13.2 19.8

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



#72

Anthracene

Concen: 4.386 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.02 min

Lab File: BF117967.D

Acq: 23 Nov 2019 20:04

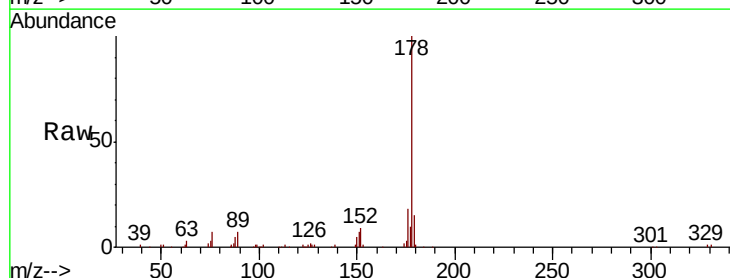
Tgt Ion:178 Resp: 101169

Ion Ratio Lower Upper

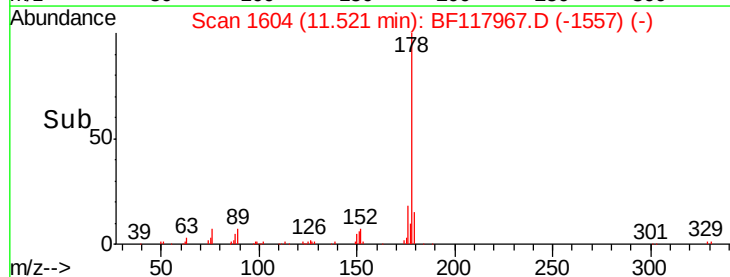
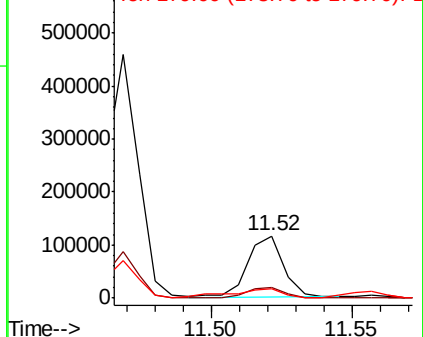
178 100

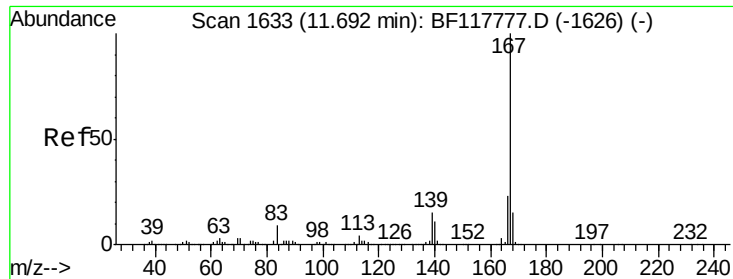
176 18.2 16.1 24.1

179 14.8 13.0 19.4



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





#73

Carbazole

Concen: 2.272 ng

RT: 11.67 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BF117967.D

Acq: 23 Nov 2019 20:04

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:167 Resp: 45807

Ion Ratio Lower Upper

167 100

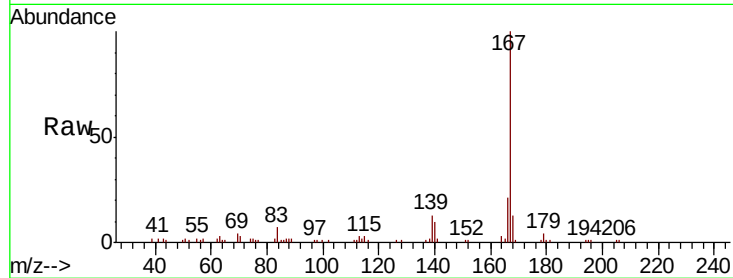
166 20.6 18.0 27.0

139 12.9 11.7 17.5

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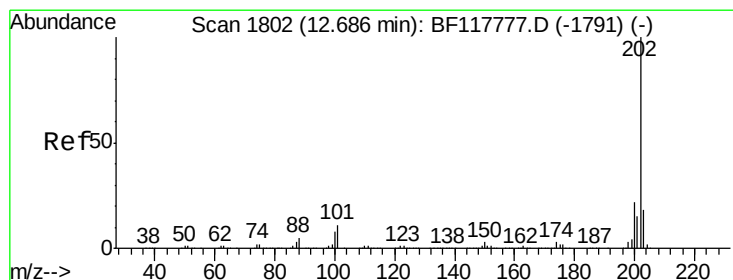
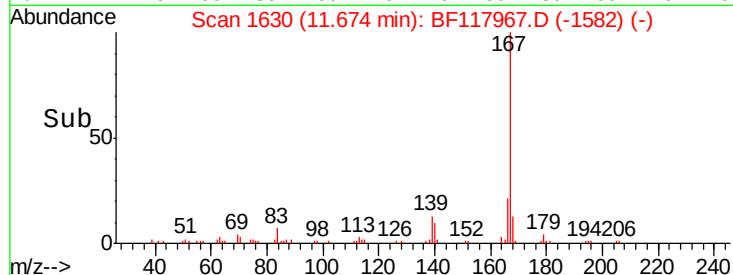
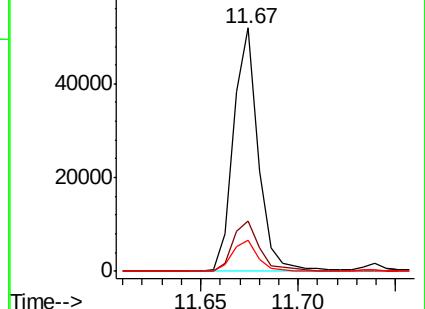
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 12.149 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.02 min

Lab File: BF117967.D

Acq: 23 Nov 2019 20:04

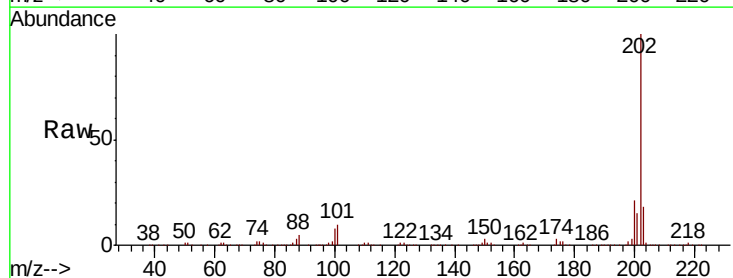
Tgt Ion:202 Resp: 373758

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

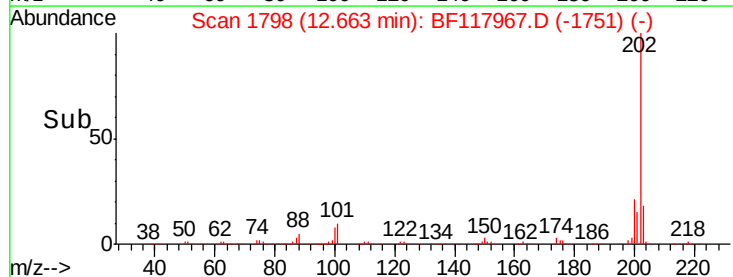
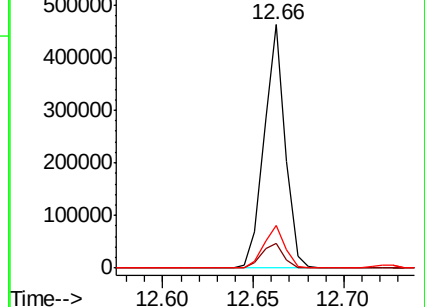
203 17.8 0.0 38.2

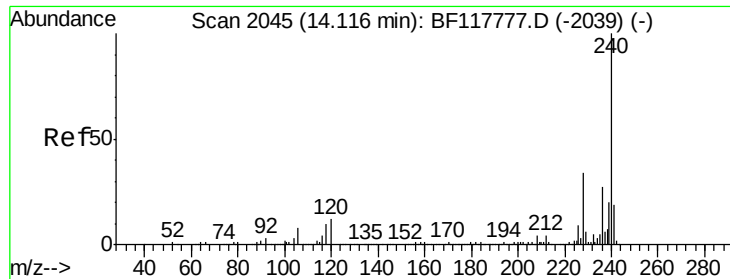


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





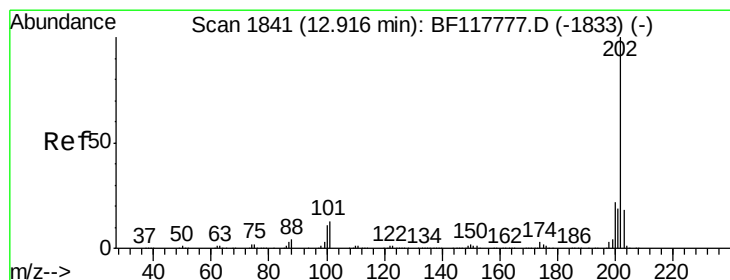
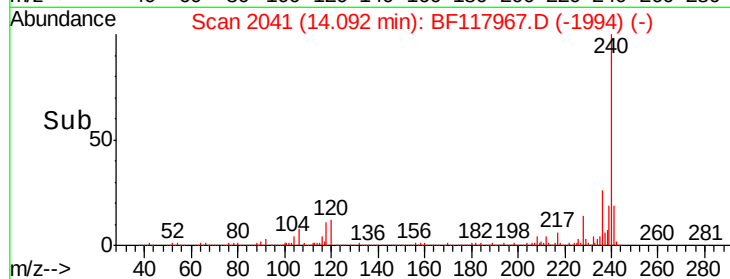
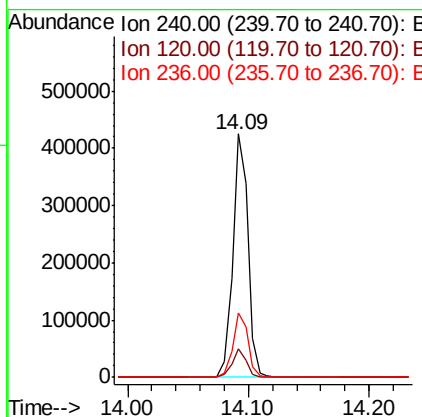
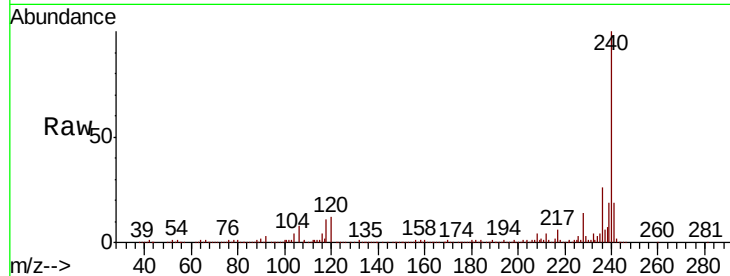
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.02 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Instrument :
BNA_F
ClientSampled :
B-8

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	9.5	14.3
236	26.3	21.3	31.9

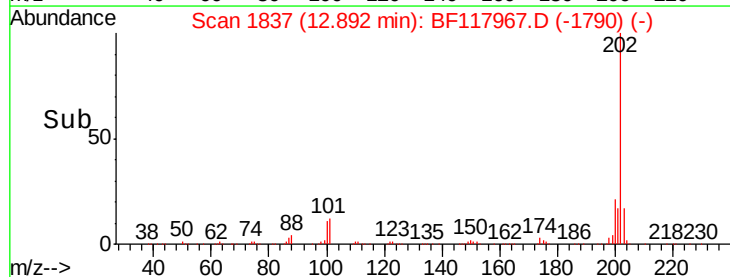
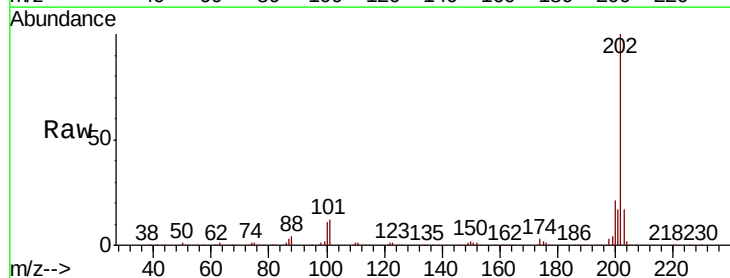
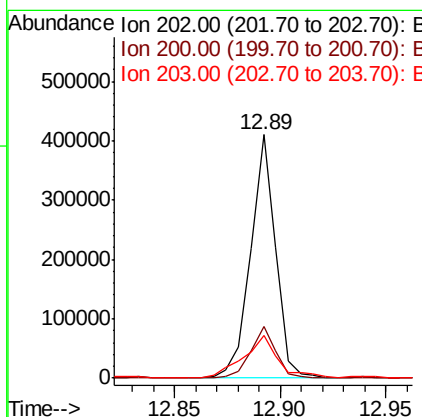
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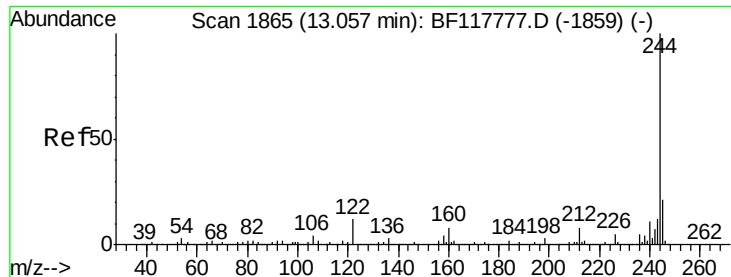
mohammad
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#78
Pyrene
Concen: 11.358 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.02 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.8	26.8
203	17.5	14.6	22.0





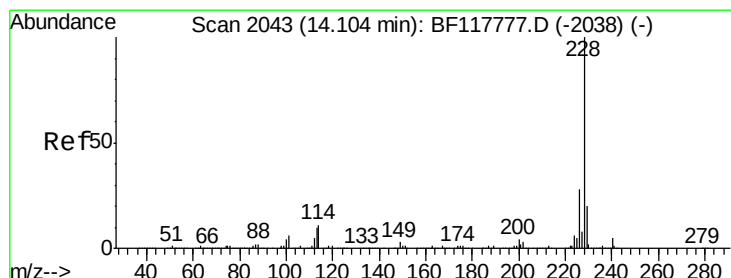
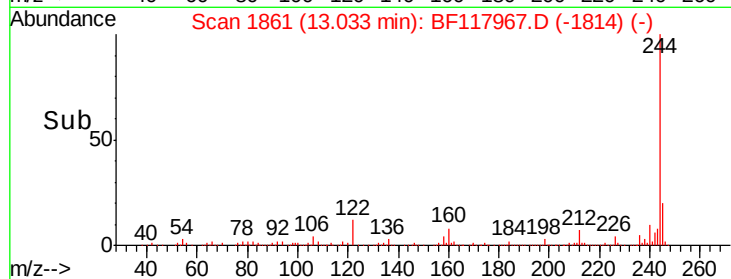
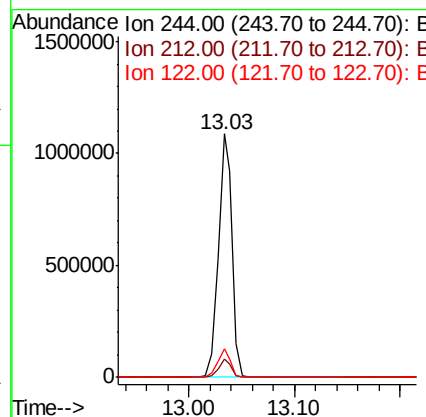
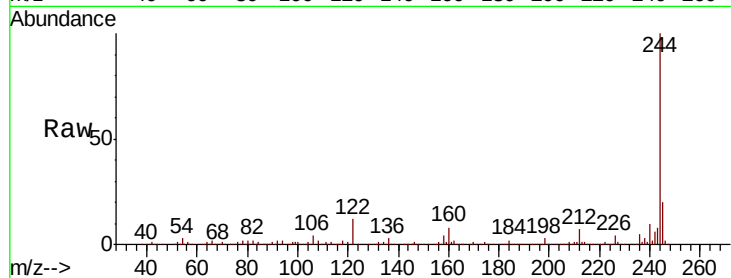
#79
 Terphenyl-d14
 Concen: 49.071 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. -0.02 min
 Lab File: BF117967.D
 Acq: 23 Nov 2019 20:04

Instrument :
 BNA_F
 ClientSampled :
 B-8

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.3	9.5
122	11.9	9.4	14.2

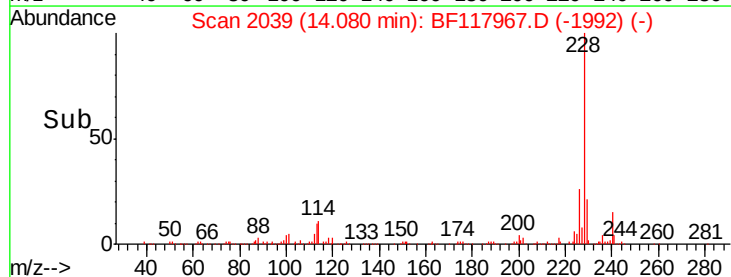
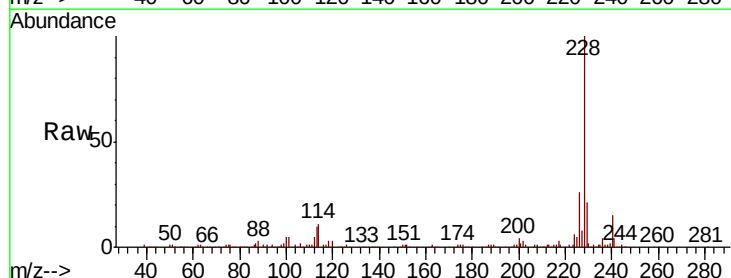
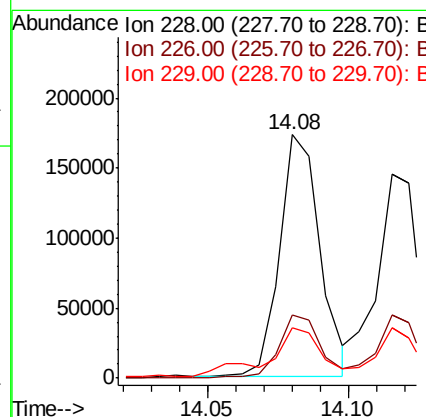
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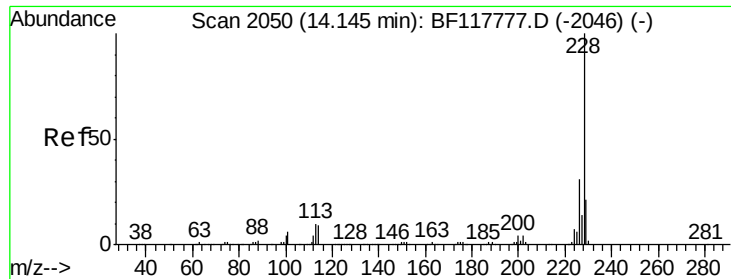
mohammad
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#81
 Benzo(a)anthracene
 Concen: 7.005 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.02 min
 Lab File: BF117967.D
 Acq: 23 Nov 2019 20:04

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	26.1	22.2	33.2
229	20.7	15.9	23.9





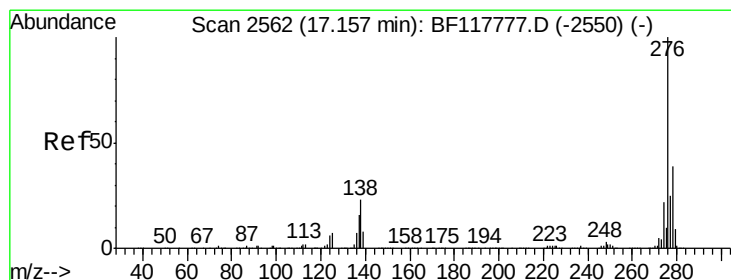
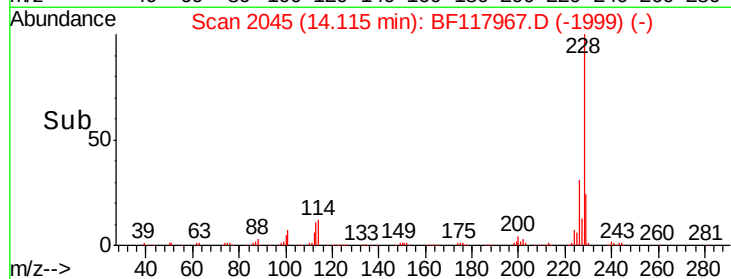
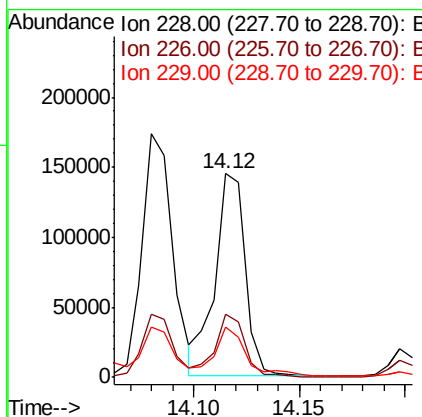
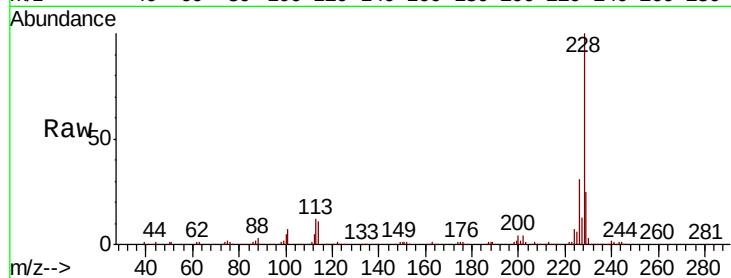
#83
Chrysene
Concen: 6.092 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.03 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Instrument :
BNA_F
ClientSampled :
B-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.4
229	24.8	16.6	25.0

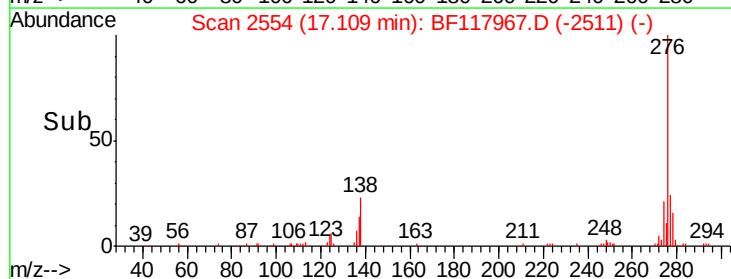
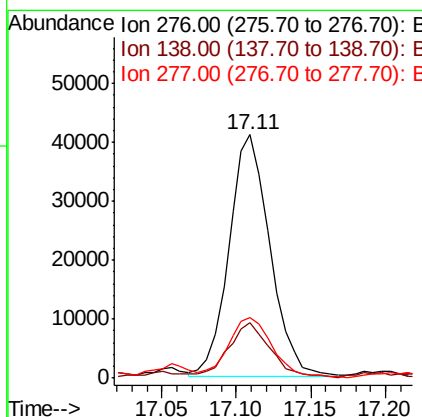
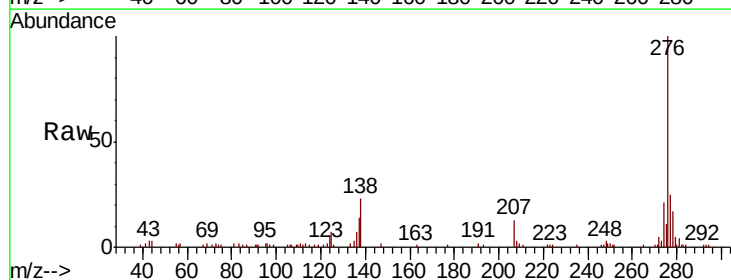
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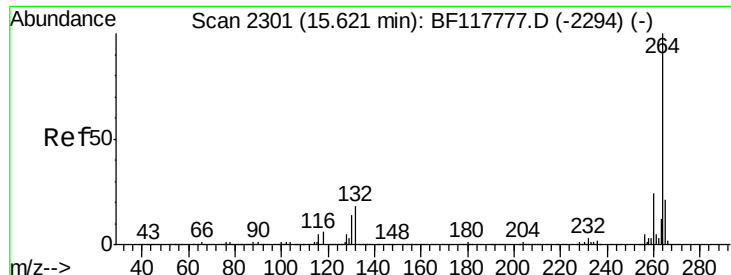
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.885 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.05 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.9	31.3
277	27.4	20.3	30.5





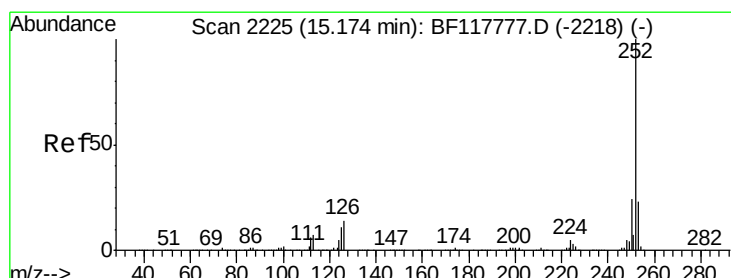
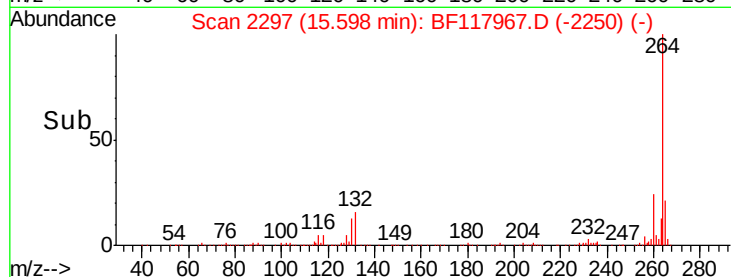
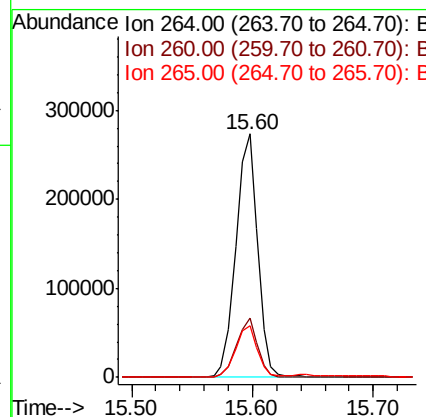
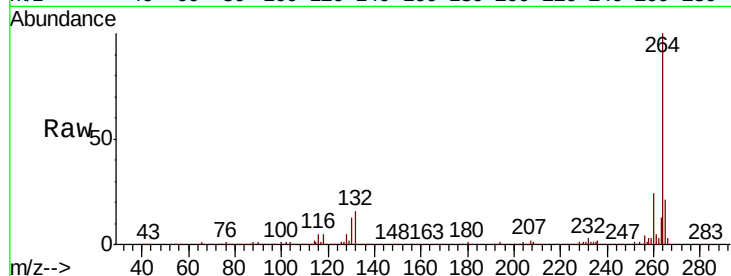
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.02 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Instrument :
BNA_F
ClientSampleId :
B-8

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	21.4	17.1	25.7

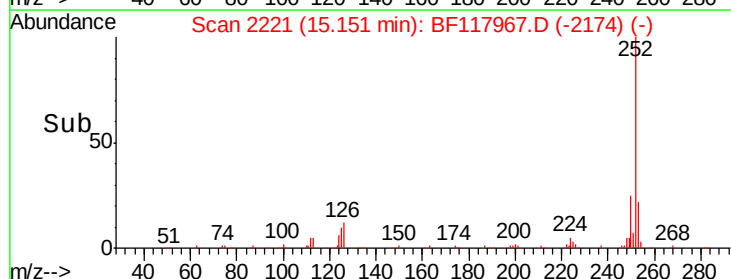
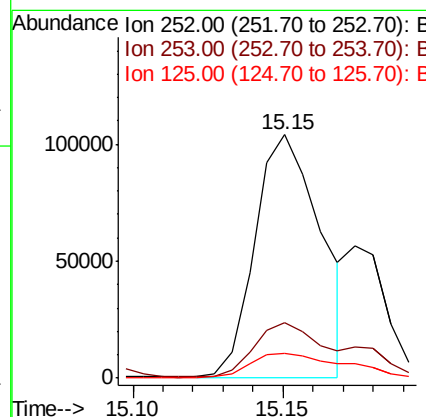
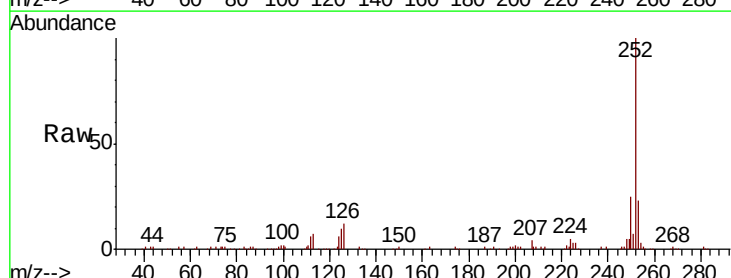
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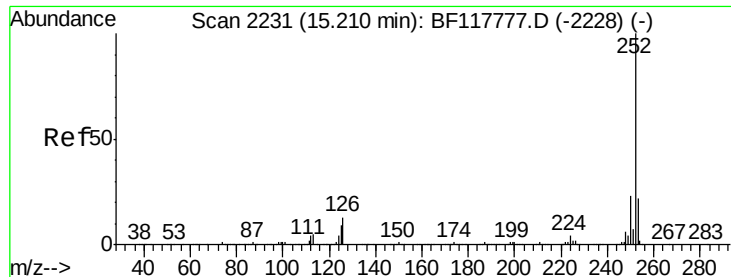
mohammad
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#88
Benzo(b)fluoranthene
Concen: 7.145 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.2	8.6	13.0





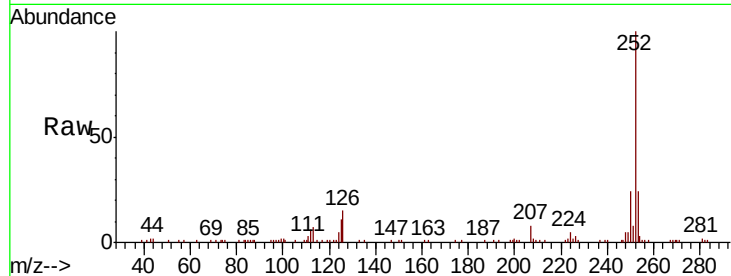
#89
Benzo(k)fluoranthene
Concen: 2.384 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Instrument :
BNA_F
ClientSampled :
B-8

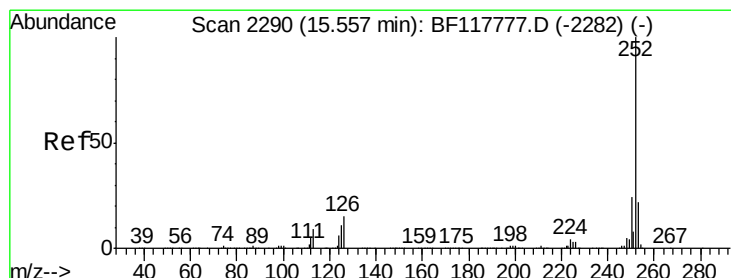
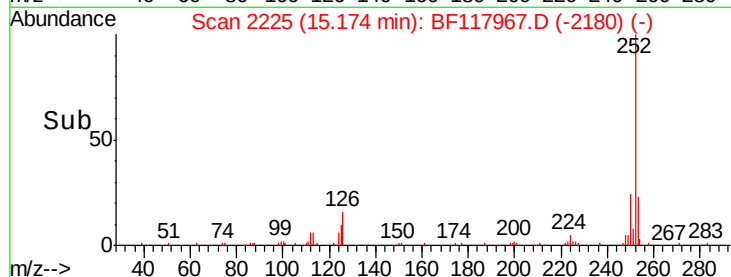
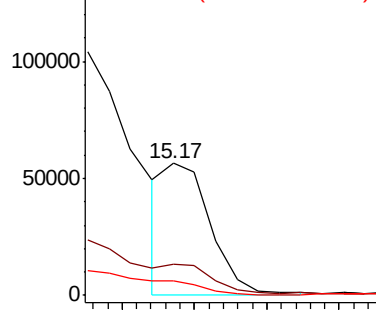
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	10.9	7.9	11.9

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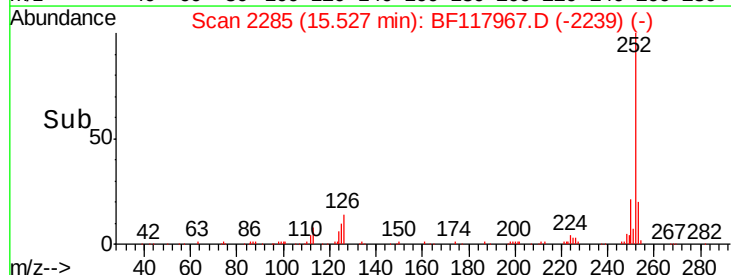
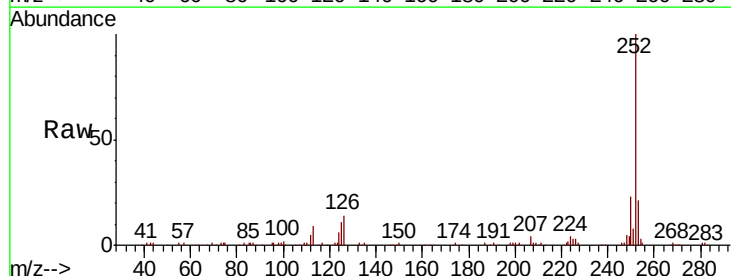
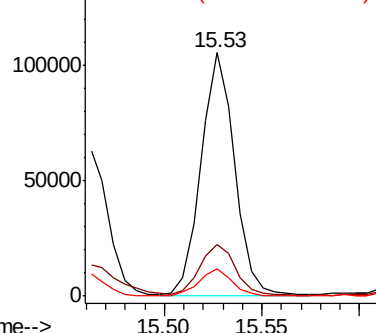
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

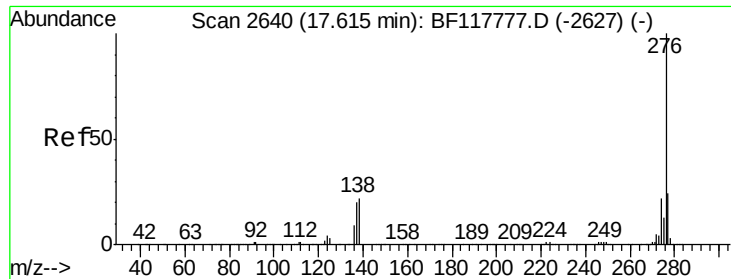


#90
Benzo(a)pyrene
Concen: 6.386 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.03 min
Lab File: BF117967.D
Acq: 23 Nov 2019 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.6
125	11.1	9.2	13.8

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





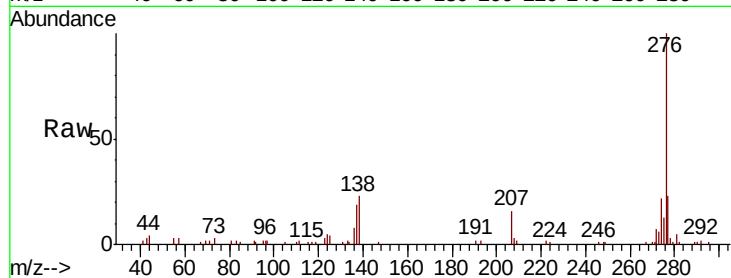
#92
 Benzo(a,h,i)perylene
 Concen: 3.909 ng
 RT: 17.57 min Scan# 2632
 Delta R.T. -0.05 min
 Lab File: BF117967.D
 Acq: 23 Nov 2019 20:04

Instrument :
 BNA_F
 ClientSampleId :
 B-8

Tot Ion:	276	Resp:	66046
Ion Ratio	Lower	Upper	
276	100		
277	22.7	18.9	28.3
138	23.1	17.4	26.2

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

