

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121436.D
 Acq On : 25 Aug 2020 19:42
 Operator : JU/CG
 Sample : L3786-06 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 129

Manual Integrations
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mohammad
 8/26/2020 4:00:59 PM

Quant Time: Aug 26 01:52:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	155975	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	619979	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	314422	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	527789	20.00	ng	0.00
76) Chrysene-d12	13.86	240	425009	20.00	ng	0.01
86) Perylene-d12	15.27	264	434360	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	385440	40.52	ng	0.00
7) Phenol-d6	6.34	99	485049	39.94	ng	0.00
23) Nitrobenzene-d5	7.26	82	306429	27.95	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	133222	36.36	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	471991	18.74	ng	0.00
79) Terphenyl-d14	12.80	244	374730	17.23	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.45	163	151936	6.642	ng	99
52) Acenaphthene	9.76	154	39446	2.251	ng	99
71) Phenanthrene	11.24	178	805669	29.495	ng	99
72) Anthracene	11.29	178	234040	8.897	ng	98
73) Carbazole	11.45	167	65514	2.610	ng	# 88
75) Fluoranthene	12.44	202	1099255	37.076	ng	99
78) Pyrene	12.66	202	961574	30.119	ng	100
81) Benzo(a)anthracene	13.84	228	508340	19.257	ng	98
83) Chrysene	13.88	228	431514	15.983	ng	98
87) Indeno(1,2,3-cd)pyrene	16.63	276	242517	9.147	ng	96
88) Benzo(b)fluoranthene	14.87	252	518000m	18.460	ng	
89) Benzo(k)fluoranthene	14.89	252	139518m	5.648	ng	
90) Benzo(a)pyrene	15.21	252	348994	14.394	ng	100
91) Dibenzo(a,h)anthracene	16.64	278	62663m	2.882	ng	
92) Benzo(a,h,i)perylene	17.04	276	236002	11.104	ng	98

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

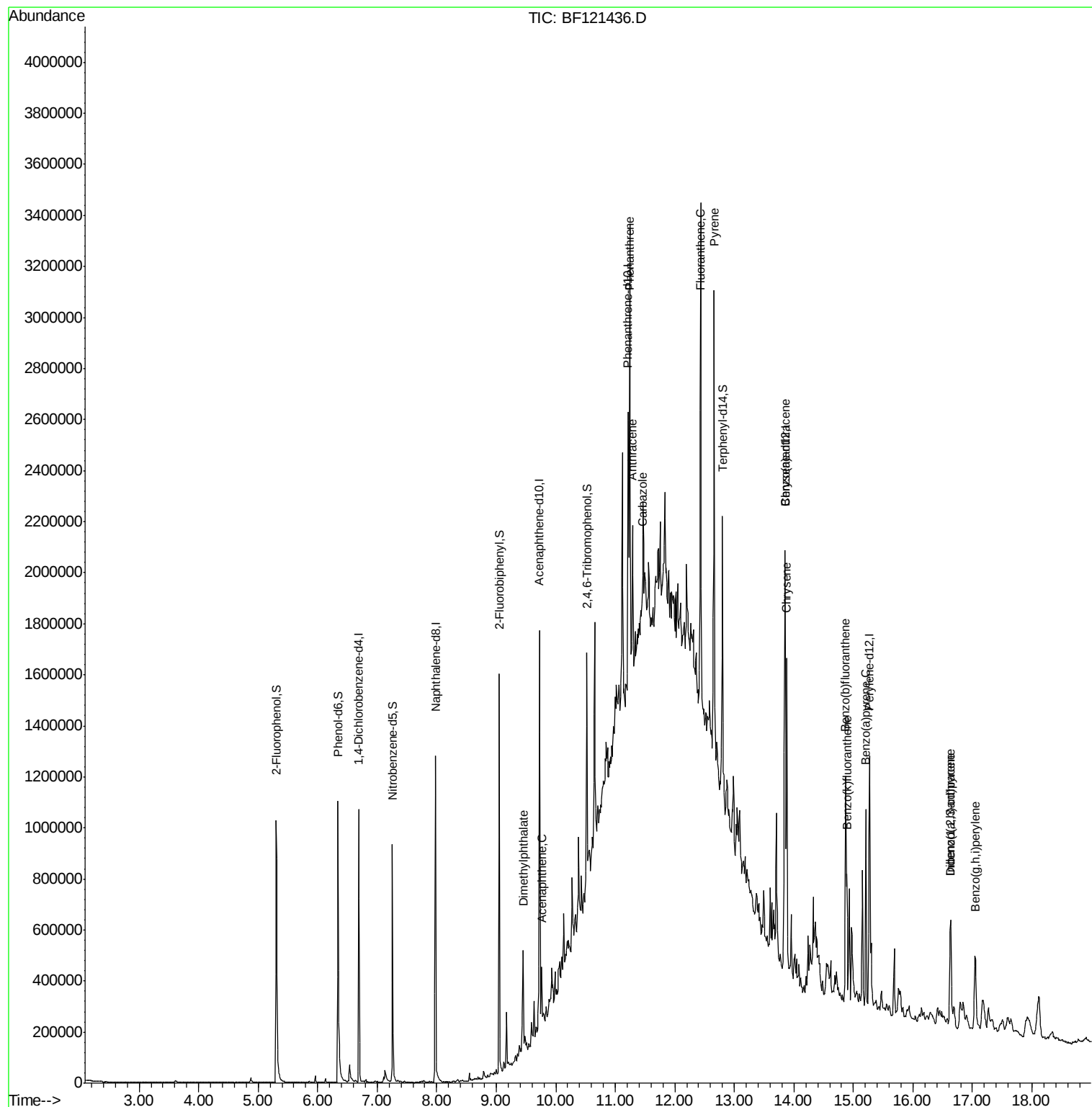
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
Data File : BF121436.D
Acq On : 25 Aug 2020 19:42
Operator : JU/CG
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ALS Vial : 16 Sample Multiplier: 1

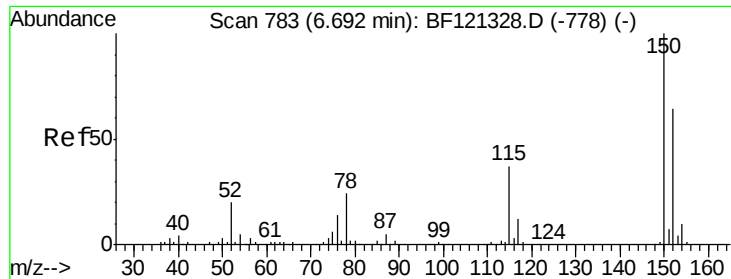
Instrument :
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129

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

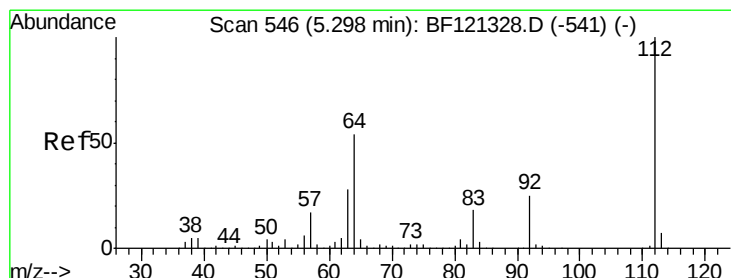
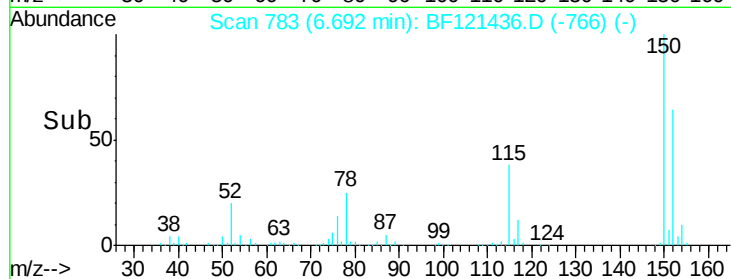
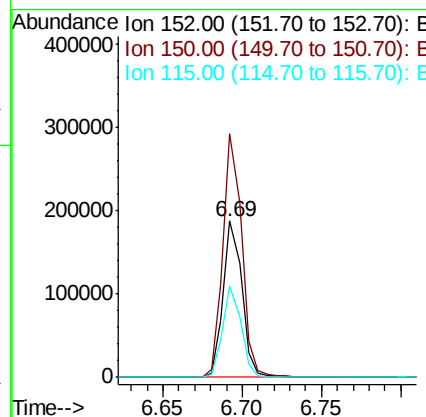
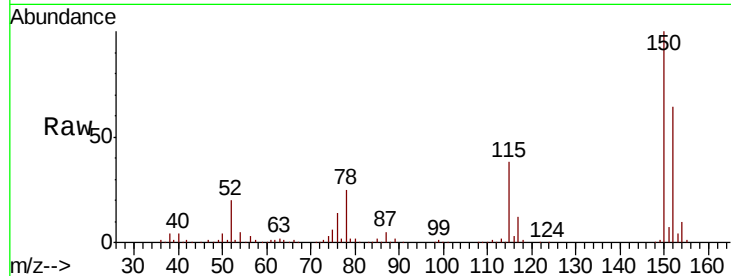
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Instrument :
BNA_F
ClientSampleId :
129

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.8	187.2
115	58.7	46.1	69.1

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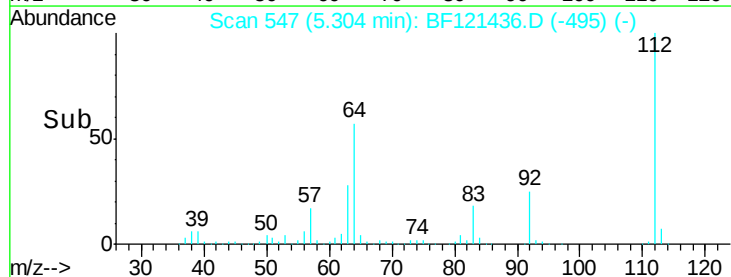
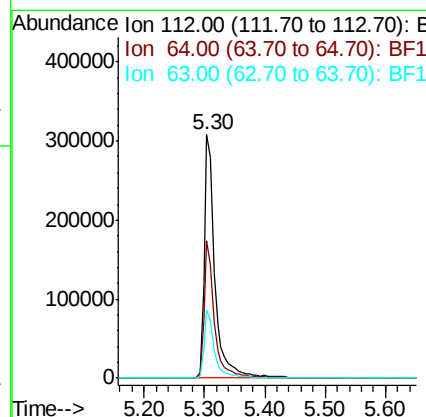
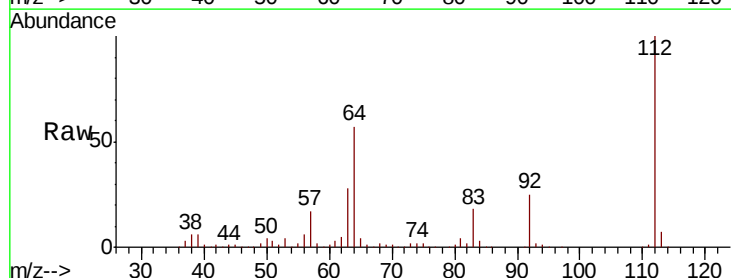
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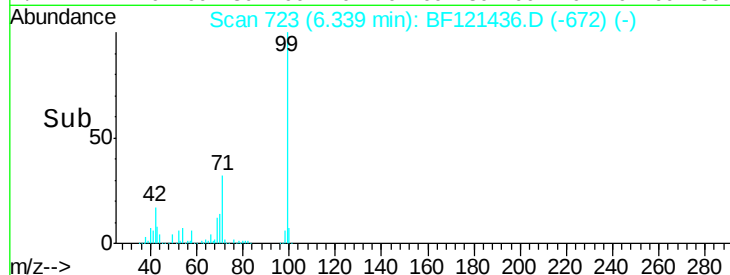
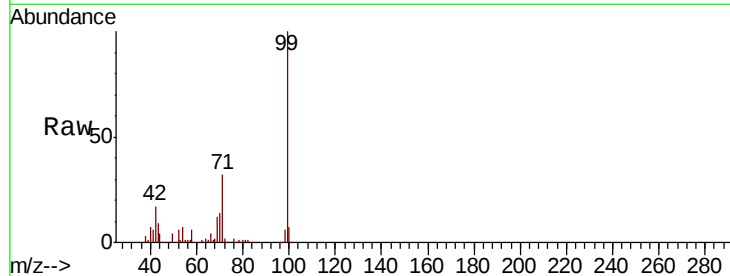


#5

2-Fluorophenol
Concen: 40.521 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	43.5	65.3
63	28.2	22.0	33.0





#7

Phenol-d6

Concen: 39.944 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF121436.D

Acq: 25 Aug 2020 19:42

Instrument :

BNA_F

ClientSampled :

129

Tot Ion: 99 Resp: 485049

Ion Ratio Lower Upper

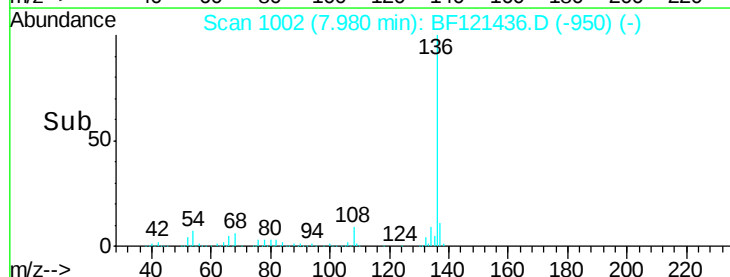
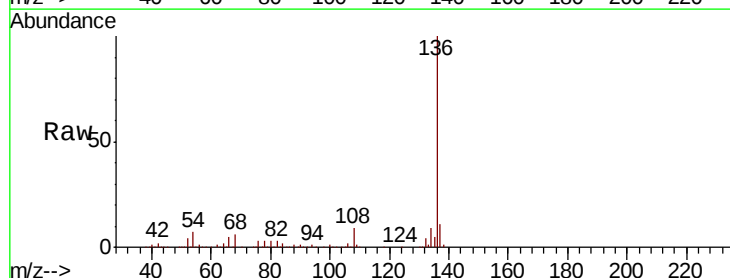
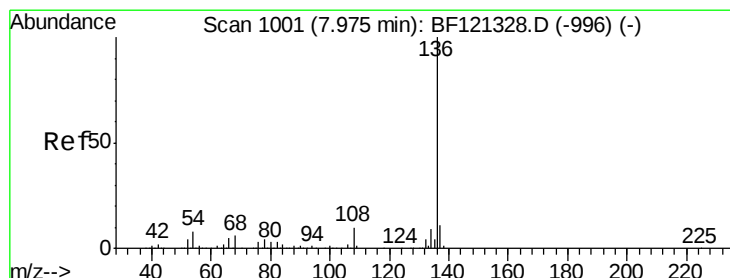
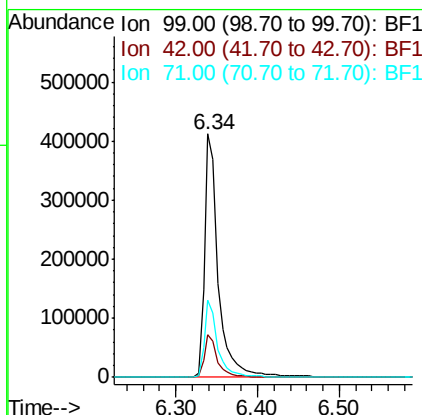
99 100

42 17.5 13.5 20.3

71 31.7 25.2 37.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF121436.D

Acq: 25 Aug 2020 19:42

Tgt Ion: 136 Resp: 619979

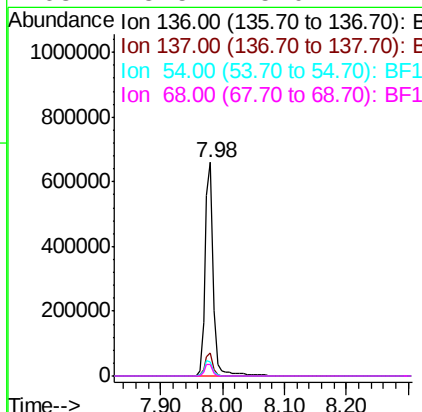
Ion Ratio Lower Upper

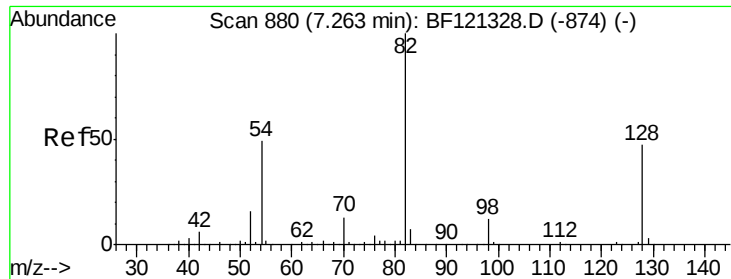
136 100

137 10.9 8.9 13.3

54 6.7 6.1 9.1

68 5.5 5.0 7.4





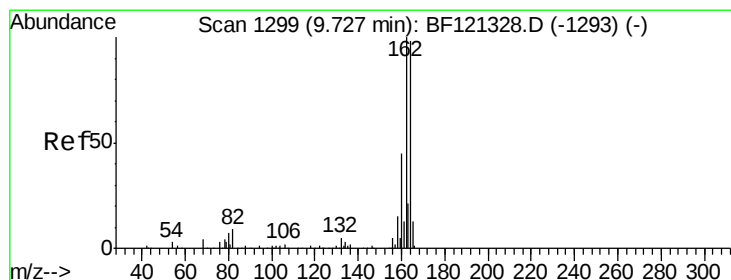
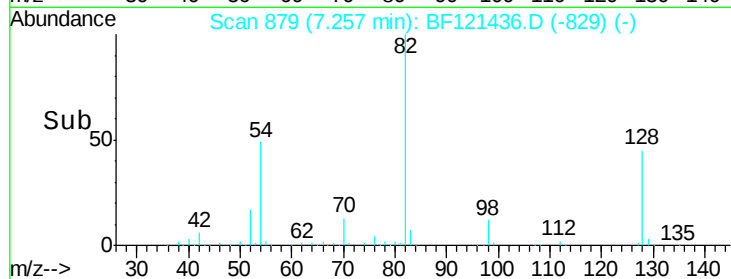
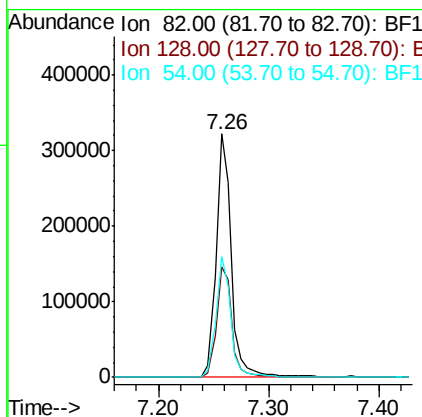
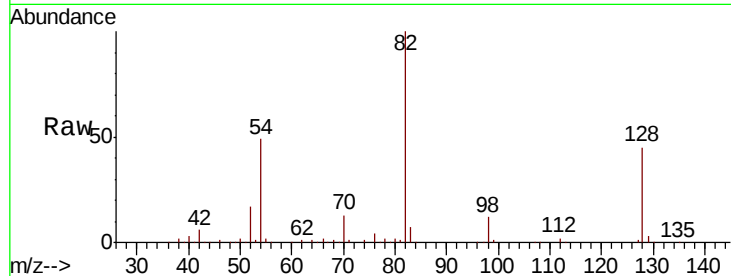
#23
 Nitrobenzene-d5
 Concen: 27.953 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF121436.D
 Acq: 25 Aug 2020 19:42

Instrument :
 BNA_F
 ClientSampled :
 129

Tot Ion	82	Resp	306429
Ion Ratio	100	Lower	Upper
82	100		
128	45.4	37.9	56.9
54	49.4	39.0	58.4

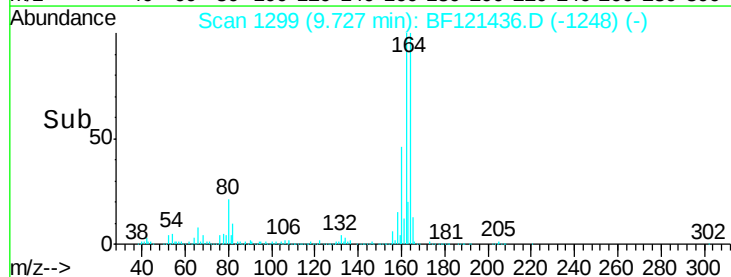
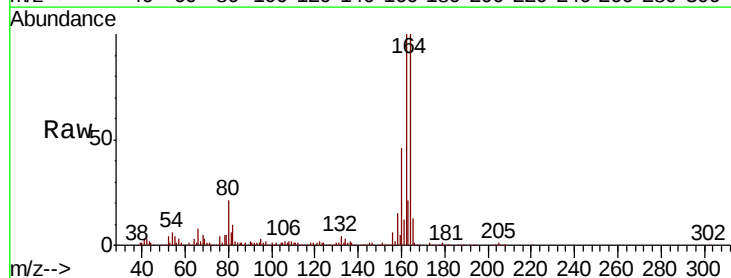
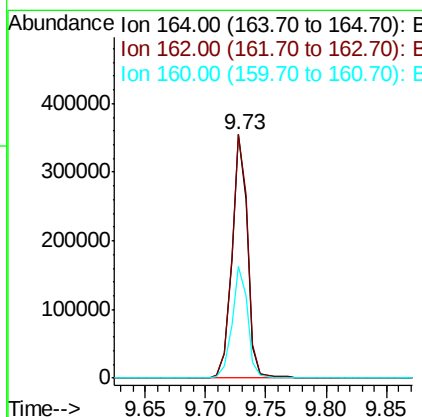
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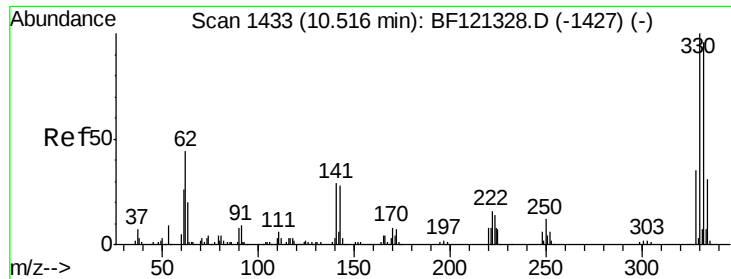
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BF121436.D
 Acq: 25 Aug 2020 19:42

Tgt Ion	164	Resp	314422
Ion Ratio	100	Lower	Upper
164	100		
162	99.9	81.7	122.5
160	45.9	37.0	55.4





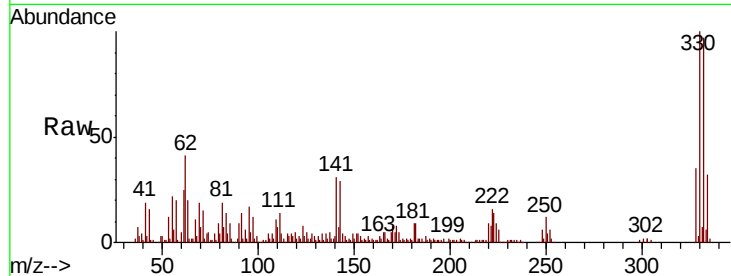
#42
 2,4,6-Tribromophenol
 Concen: 36.360 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121436.D
 Acq: 25 Aug 2020 19:42

Instrument :
 BNA_F
 ClientSampleId :
 129

Tot Ion	Ratio	Resp	Lower	Upper
330	100	133222		
332	96.5	76.9	115.3	
141	30.0	22.8	34.2	

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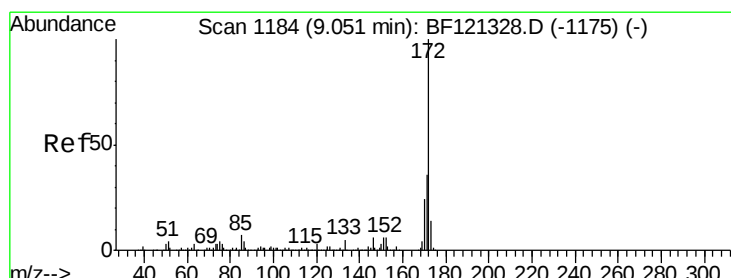
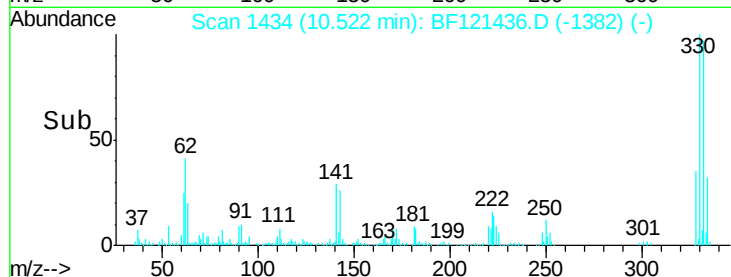
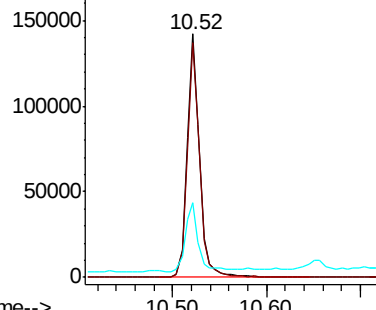


Abundance

Ion 329.80 (329.50 to 330.50): E

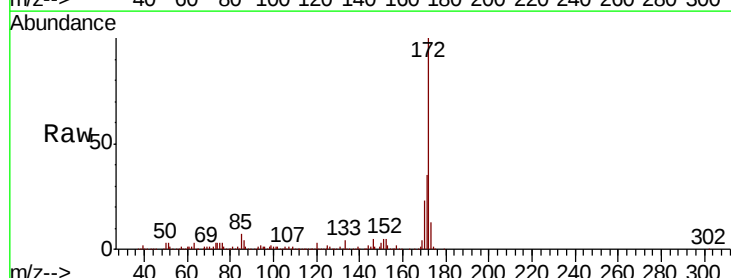
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 18.740 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121436.D
 Acq: 25 Aug 2020 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	471991		
171	35.1	29.0	43.6	
170	23.3	19.4	29.2	

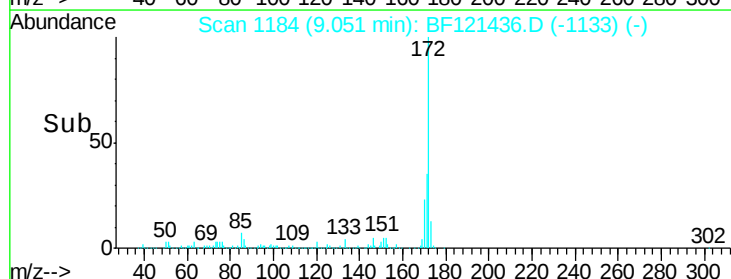
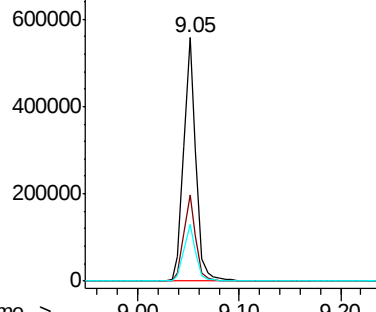


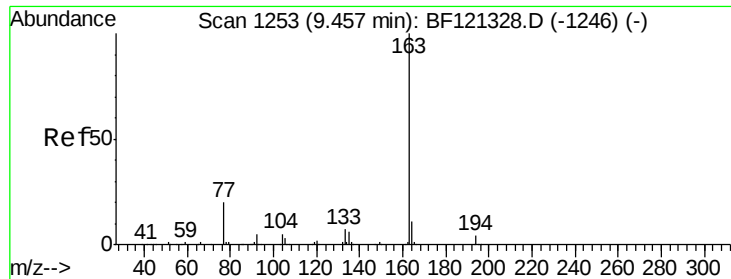
Abundance

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





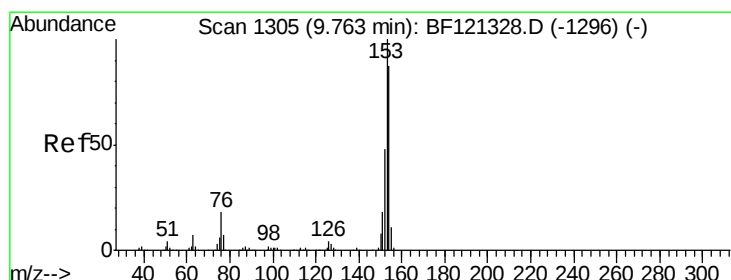
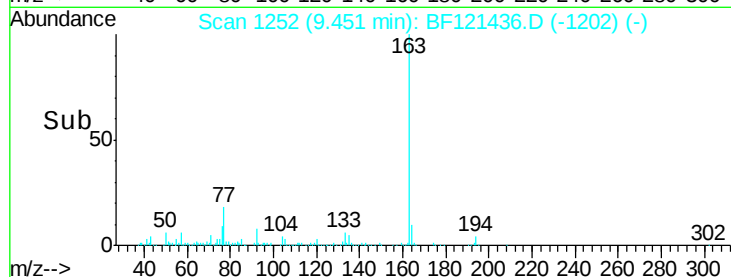
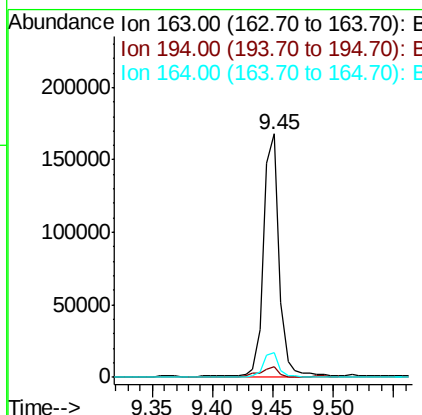
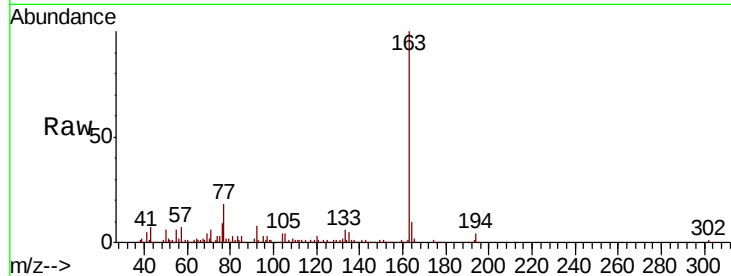
#50
Dimethylphthalate
Concen: 6.642 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Instrument :
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ClientSampleId :
129

Tot Ion:	163	Resp:	151936
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.6
164	10.0	8.4	12.6

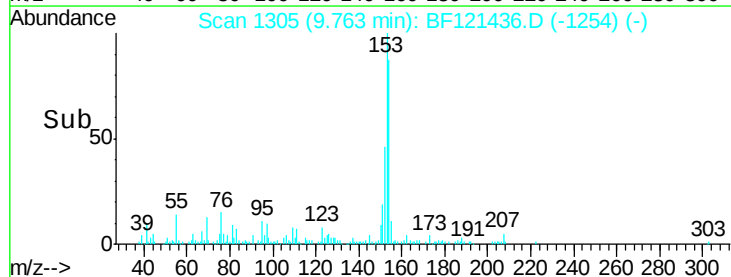
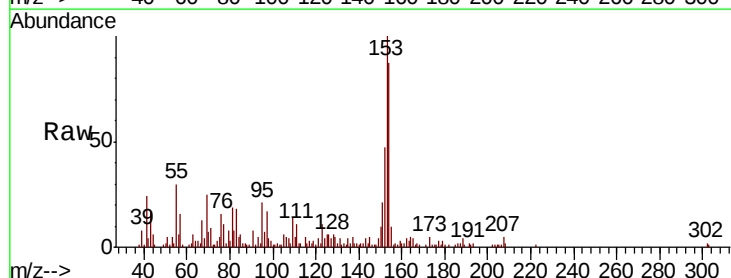
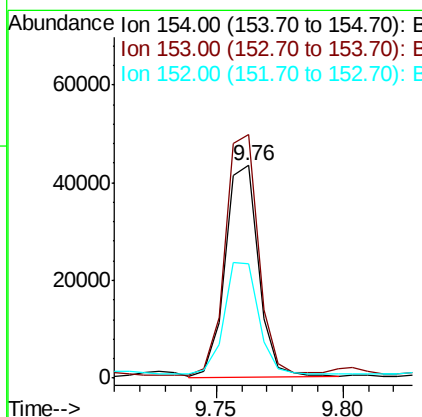
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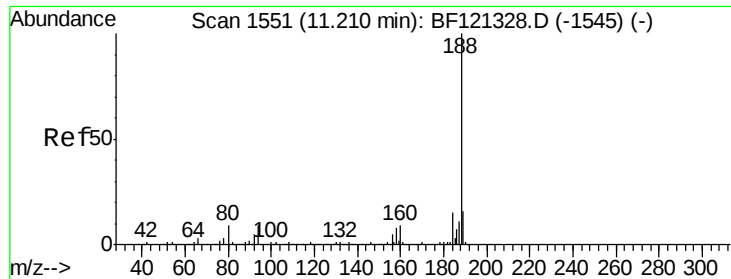
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#52
Acenaphthene
Concen: 2.251 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Tgt Ion:	154	Resp:	39446
Ion Ratio	Lower	Upper	
154	100		
153	114.4	92.0	138.0
152	53.6	44.6	66.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF121436.D

Acq: 25 Aug 2020 19:42

Instrument :

BNA_F

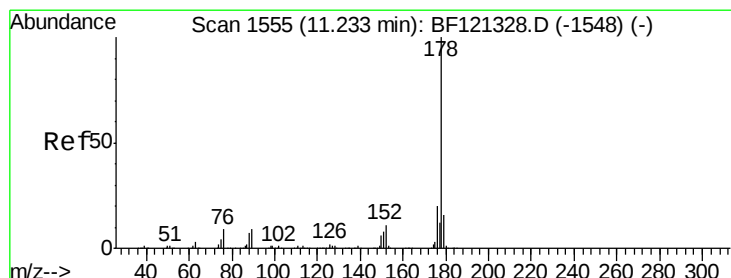
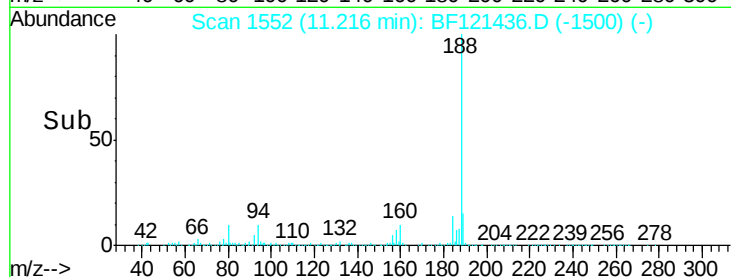
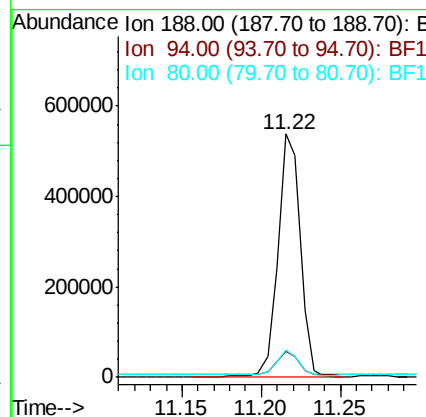
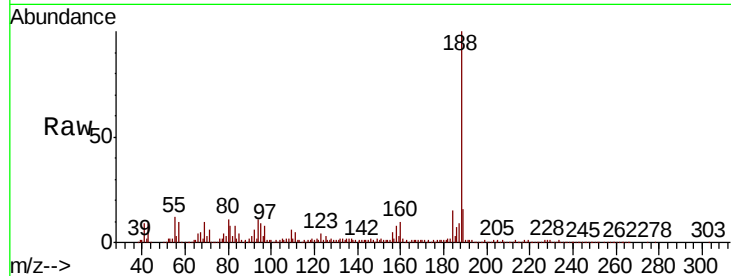
ClientSampleId :

129

Tot Ion:	188	Resp:	527789
Ion Ratio	Lower	Upper	
188	100		
94	10.7	7.2	10.8
80	11.2	7.4	11.0

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#71

Phenanthrene

Concen: 29.495 ng

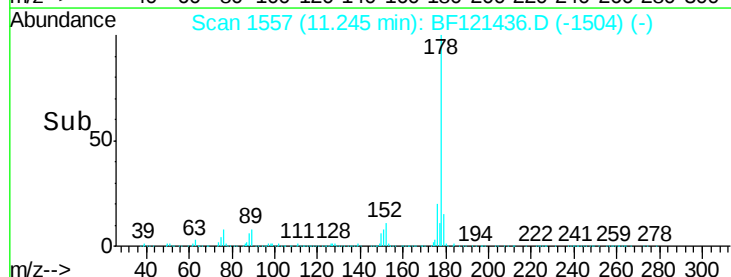
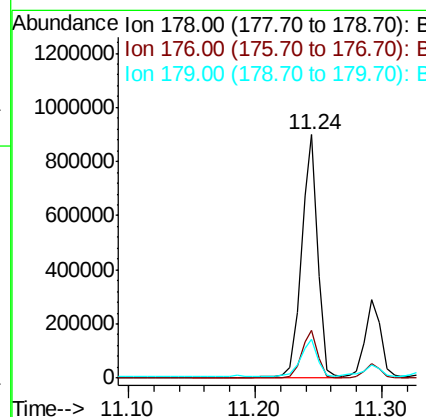
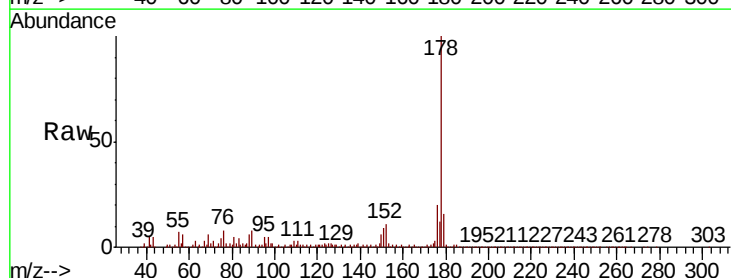
RT: 11.24 min Scan# 1557

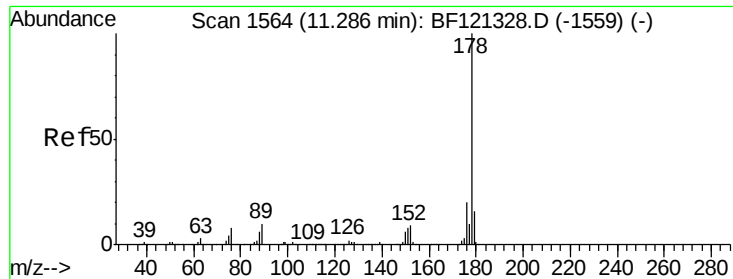
Delta R.T. 0.01 min

Lab File: BF121436.D

Acq: 25 Aug 2020 19:42

Tgt Ion:	178	Resp:	805669
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.0	24.0
179	15.9	12.8	19.2





#72

Anthracene

Concen: 8.897 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.01 min

Lab File: BF121436.D

Acq: 25 Aug 2020 19:42

Instrument :

BNA_F

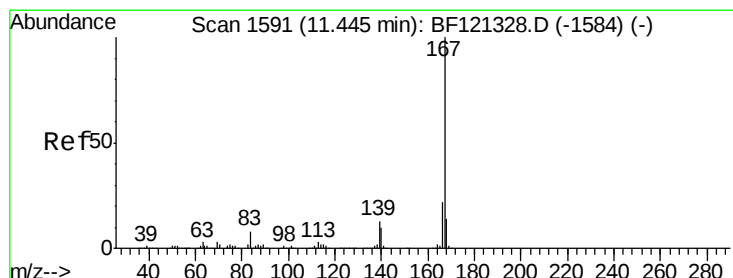
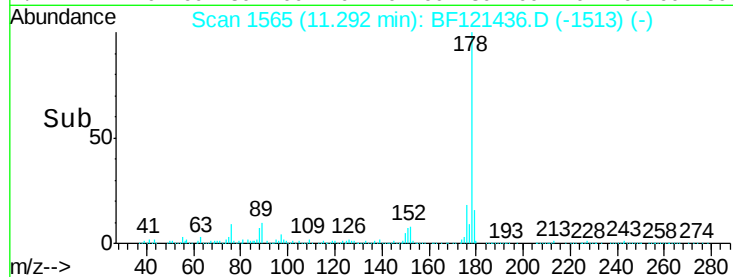
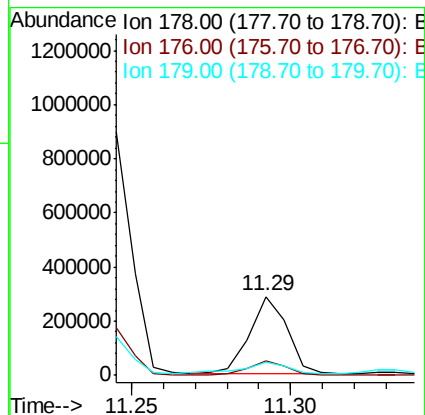
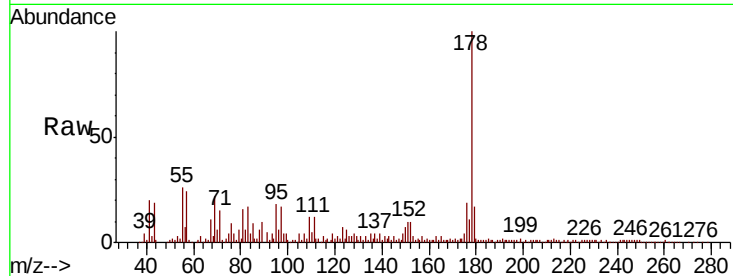
ClientSampled :

129

Tot Ion:	178	Resp:	234040
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.6	23.4
179	17.1	12.8	19.2

Manual Integrations
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#73

Carbazole

Concen: 2.610 ng

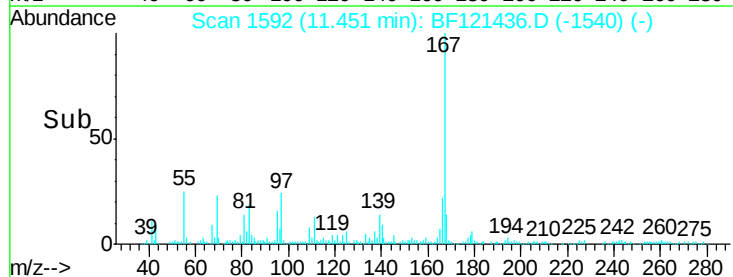
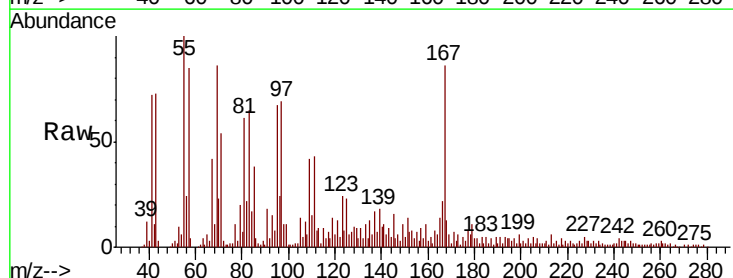
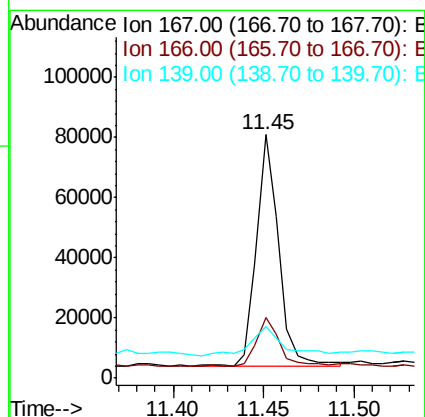
RT: 11.45 min Scan# 1592

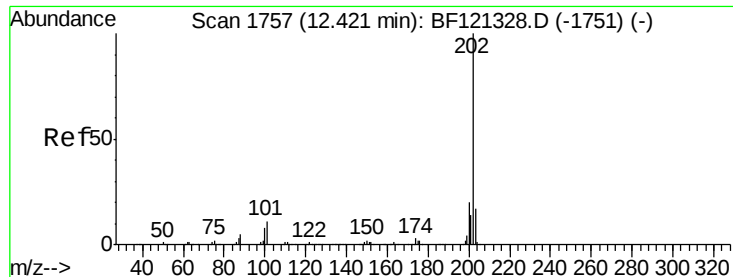
Delta R.T. 0.01 min

Lab File: BF121436.D

Acq: 25 Aug 2020 19:42

Tgt Ion:	167	Resp:	65514
Ion Ratio	Lower	Upper	
167	100		
166	25.0	17.7	26.5
139	21.3	10.2	15.2#





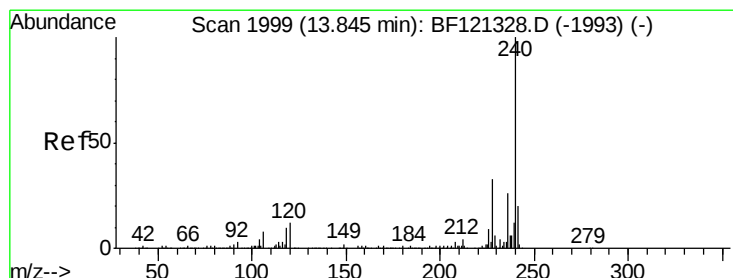
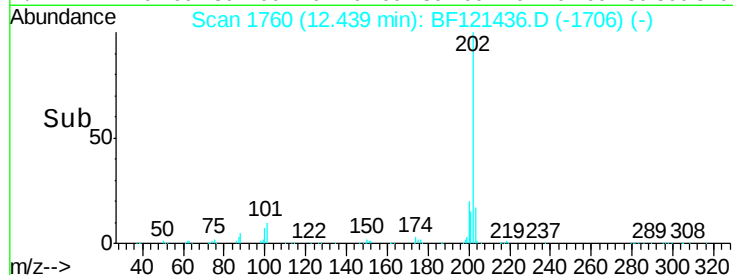
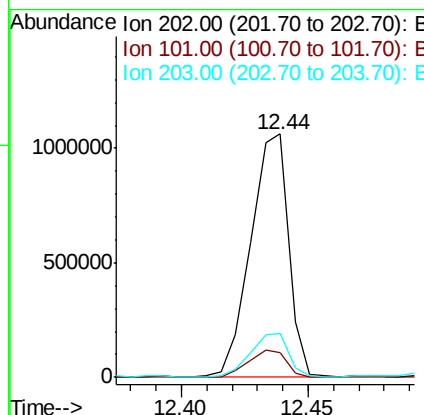
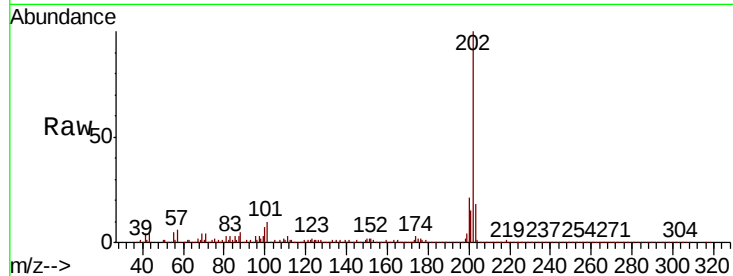
#75
Fluoranthene
Concen: 37.076 ng
RT: 12.44 min Scan# 1760
Delta R.T. 0.02 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Instrument :
BNA_F
ClientSampled :
129

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.6
203	17.8	0.0	37.5

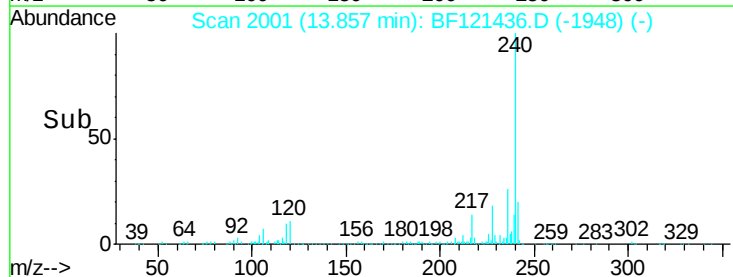
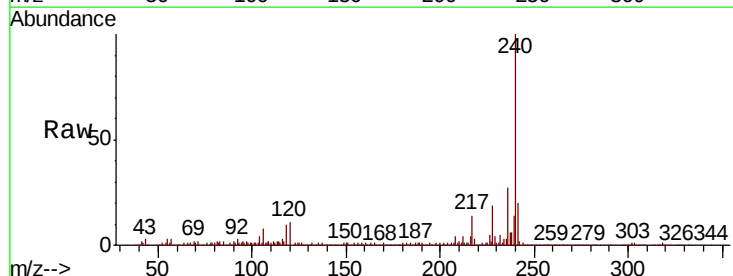
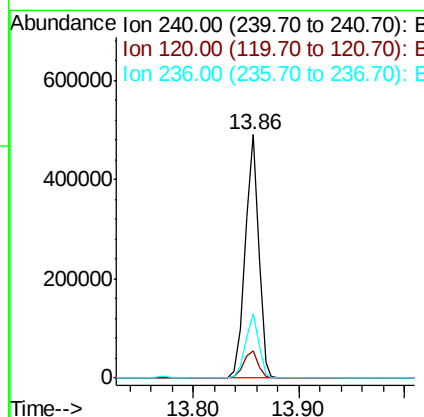
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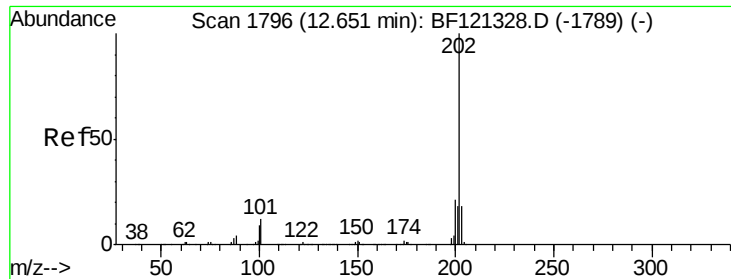
mohammad
8/26/2020 4:00:59 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.6	14.4
236	26.5	20.6	31.0





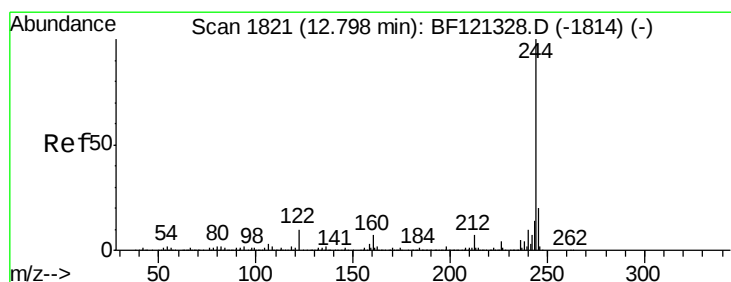
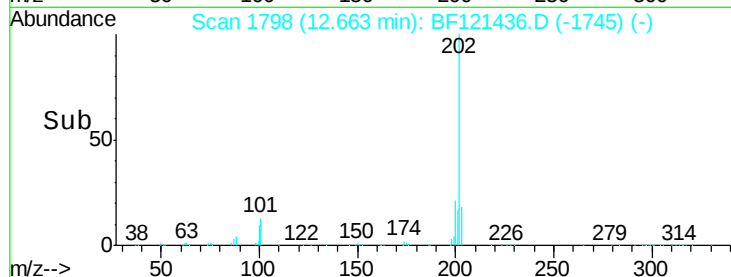
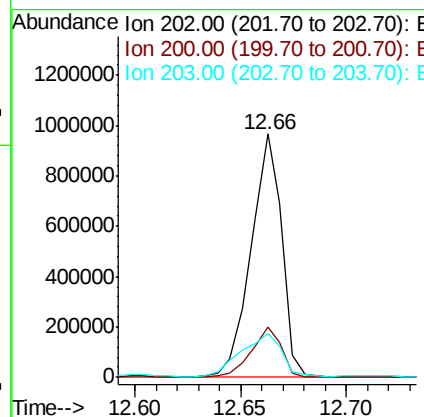
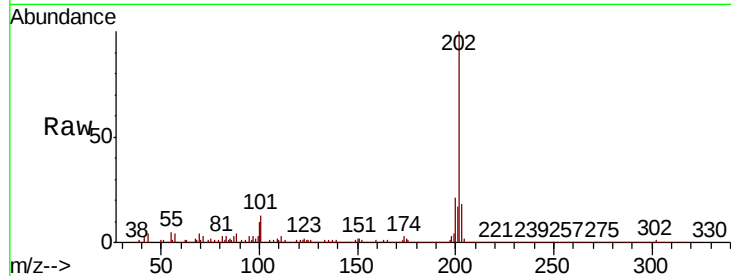
#78
Pvrene
Concen: 30.119 ng
RT: 12.66 min Scan# 1798
Delta R.T. 0.01 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Instrument :
BNA_F
ClientSampleId :
129

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	17.9	14.2	21.2

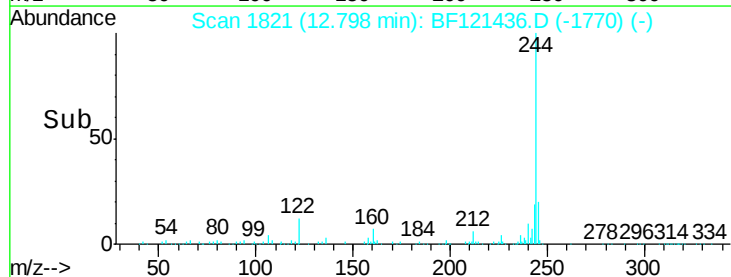
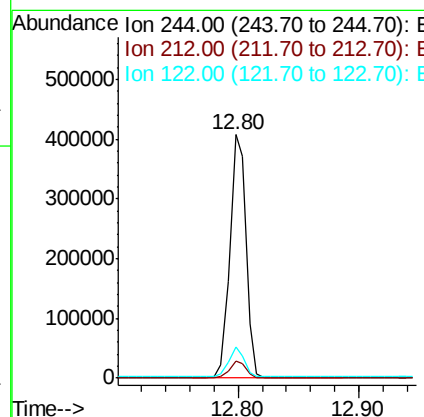
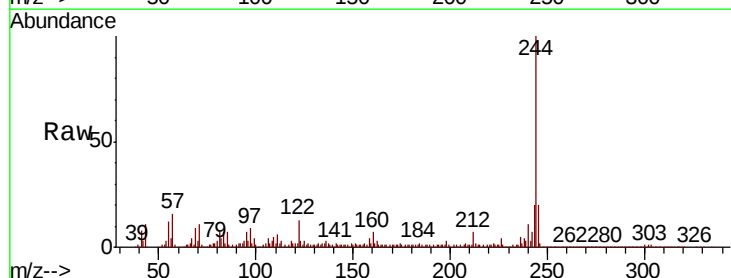
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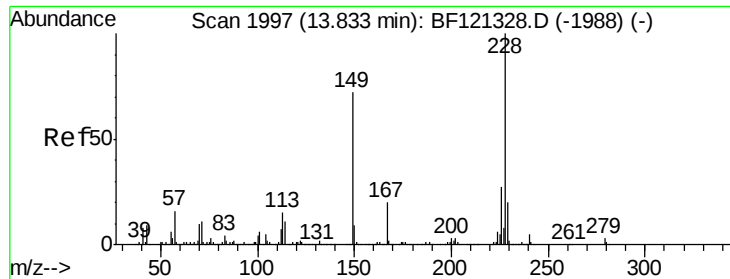
mohammad
8/26/2020 4:00:59 PM



#79
Terphenyl-d14
Concen: 17.230 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.8	7.8	11.8





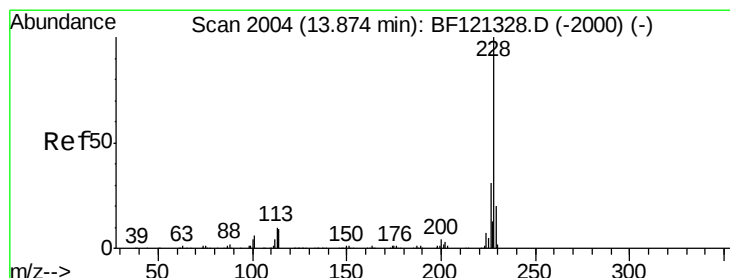
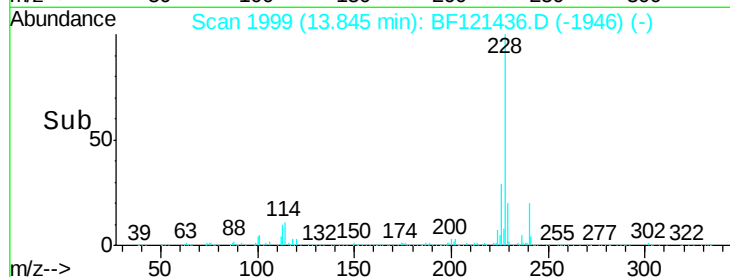
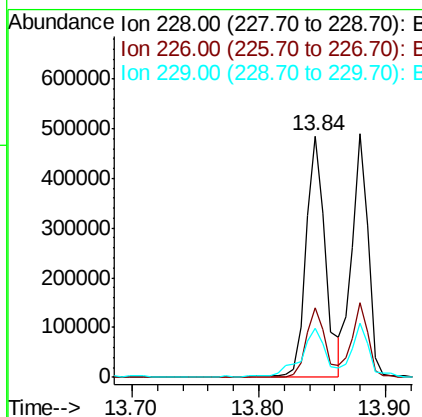
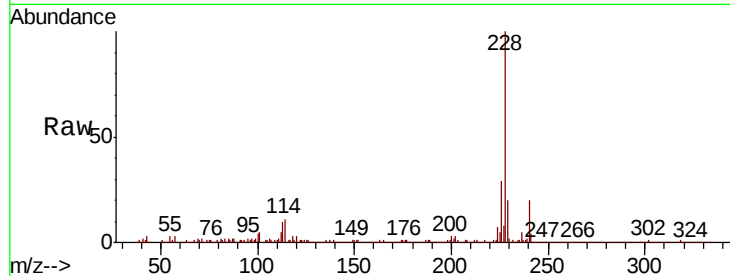
#81
Benzo(a)anthracene
Concen: 19.257 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Instrument :
BNA_F
ClientSampled :
129

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.6
229	20.5	15.8	23.8

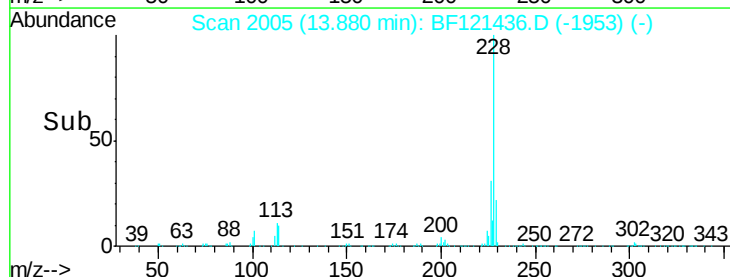
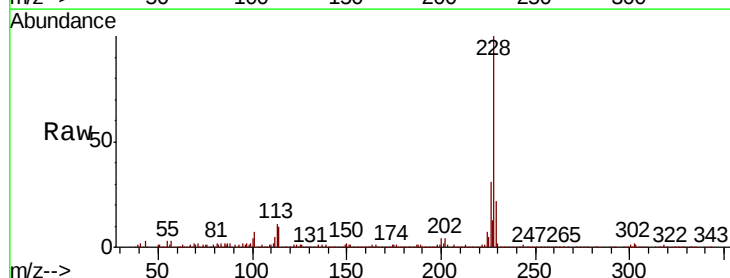
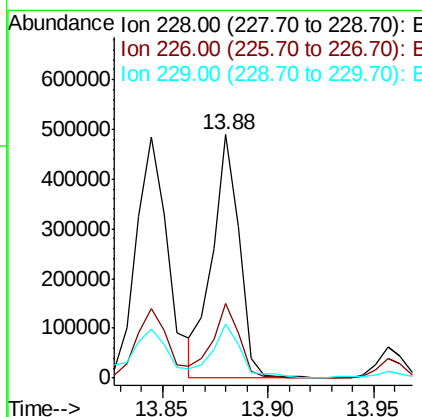
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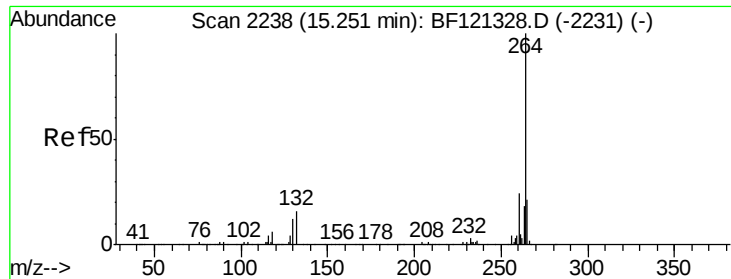
mohammad
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#83
Chrysene
Concen: 15.983 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	36.8
229	22.4	15.9	23.9





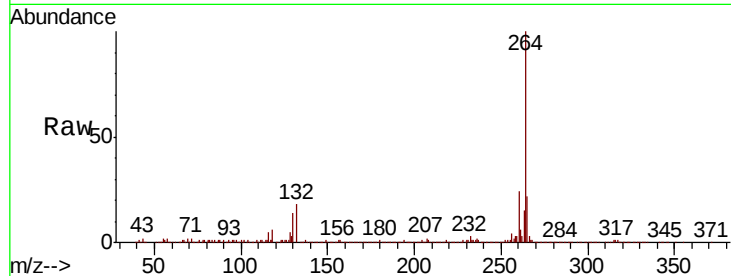
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Instrument :
BNA_F
ClientSampled :
129

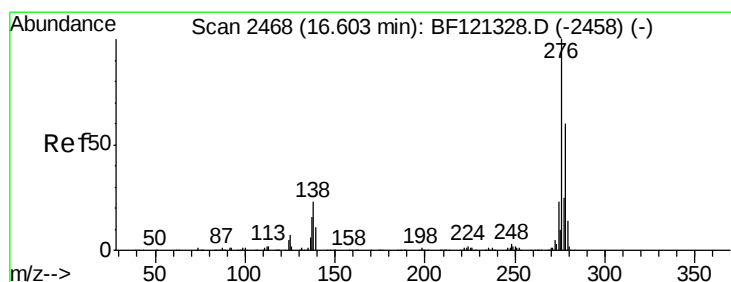
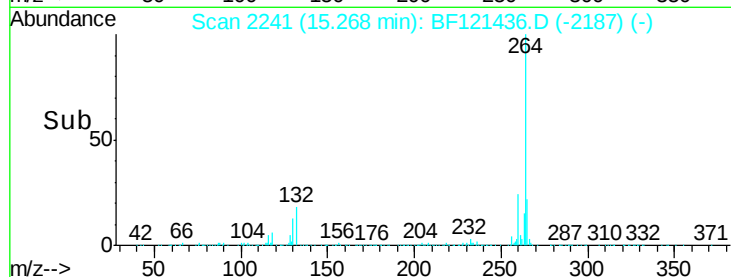
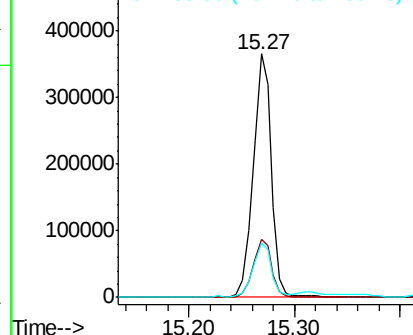
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.4	17.1	25.7

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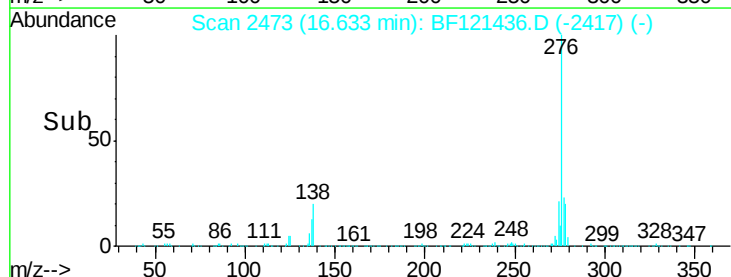
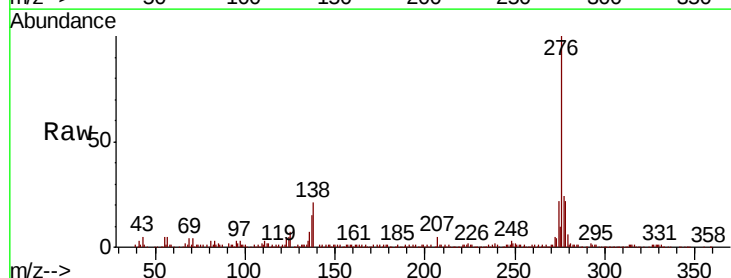
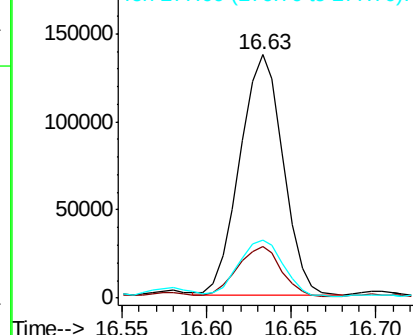
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

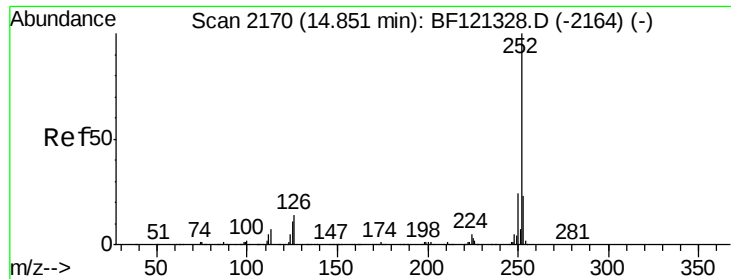


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.147 ng
RT: 16.63 min Scan# 2473
Delta R.T. 0.03 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.4	29.0
277	24.0	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





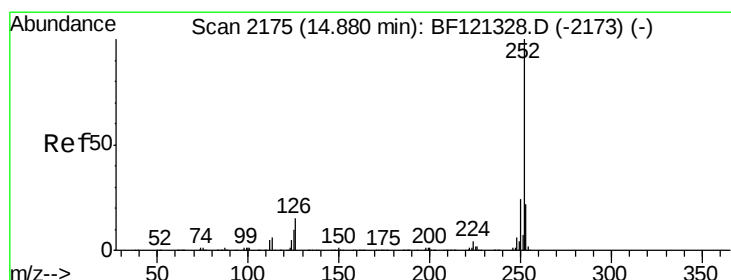
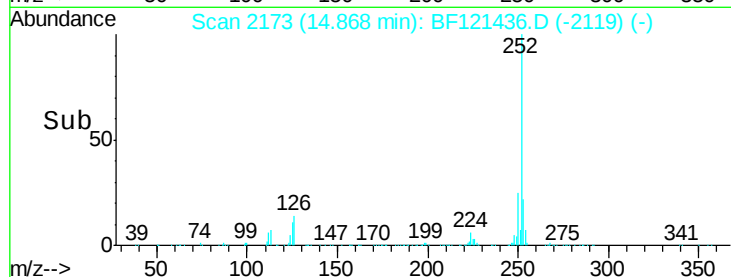
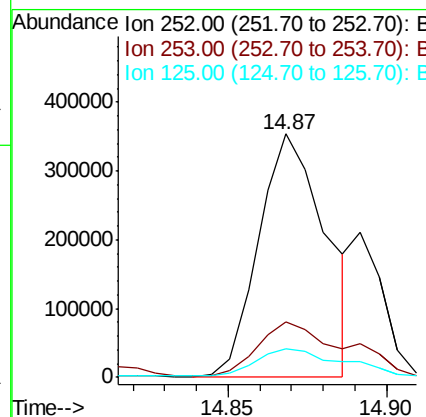
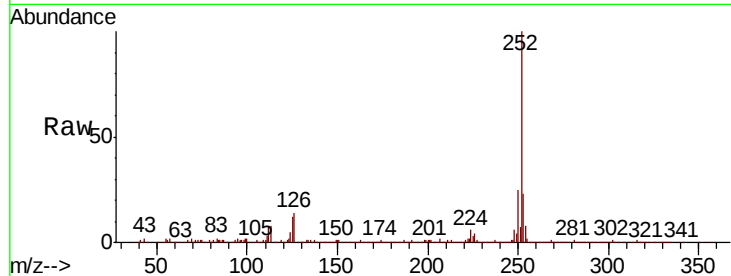
#88
Benzo(b)fluoranthene
Concen: 18.460 ng m
RT: 14.87 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Instrument :
BNA_F
ClientSampleId :
129

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.7	8.6	12.8

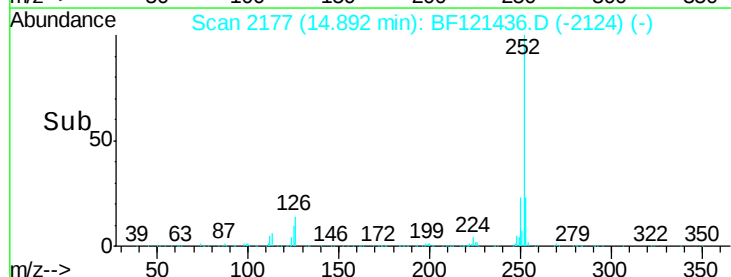
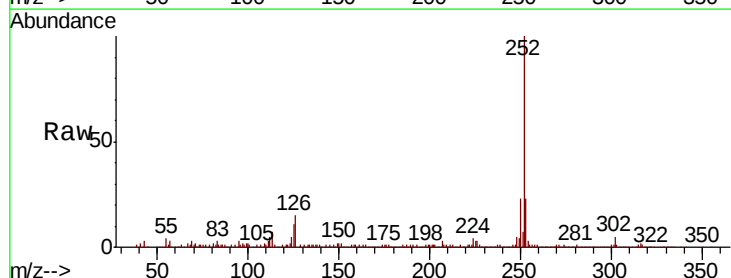
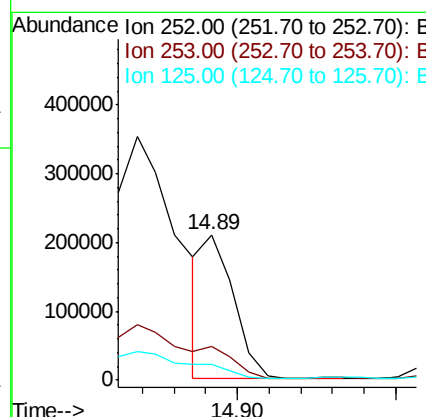
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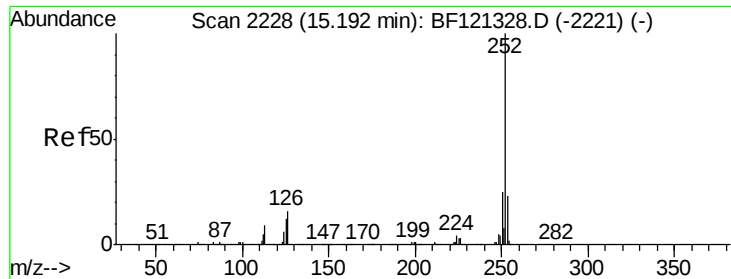
mohammad
8/26/2020 4:00:59 PM



#89
Benzo(k)fluoranthene
Concen: 5.648 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.0	8.6	12.8





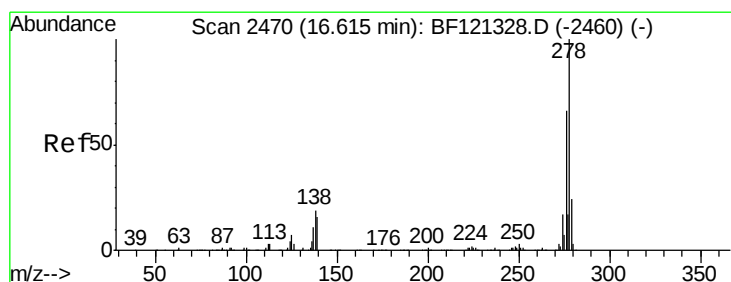
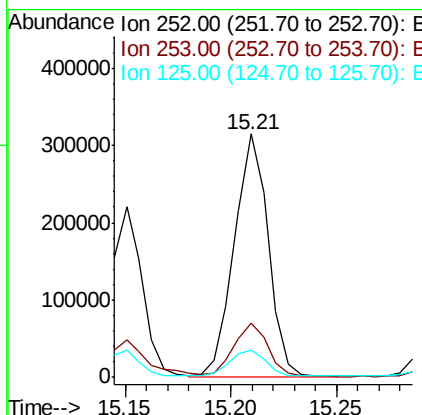
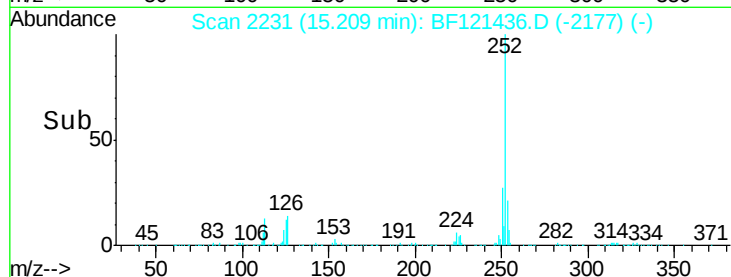
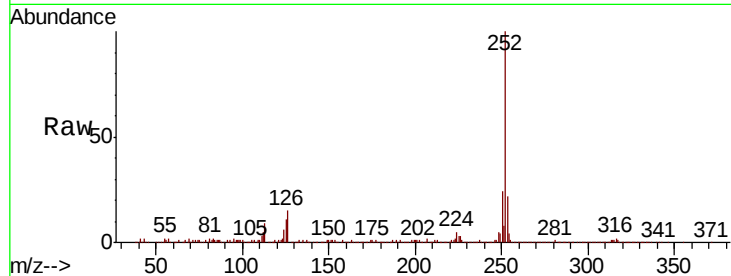
#90
Benzo(a)pyrene
Concen: 14.394 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Instrument :
BNA_F
ClientSampleId :
129

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	11.5	9.4	14.0

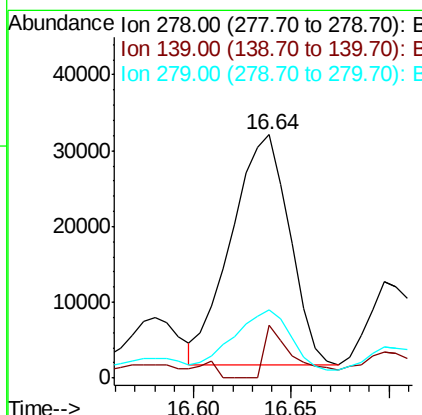
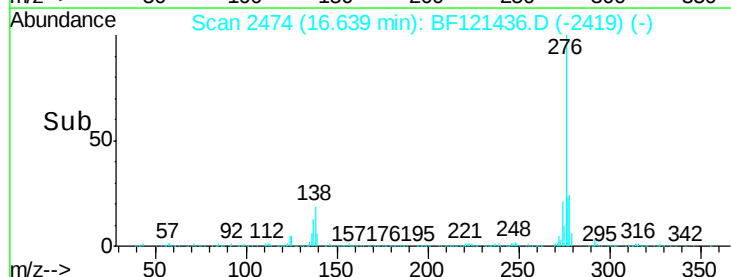
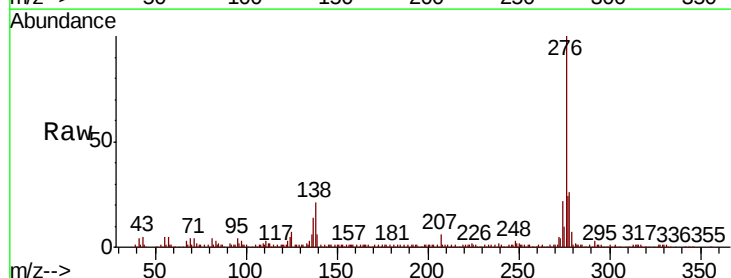
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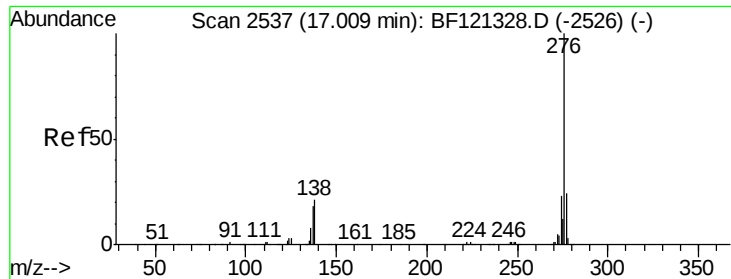
mohammad
8/26/2020 4:00:59 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.882 ng m
RT: 16.64 min Scan# 2474
Delta R.T. 0.02 min
Lab File: BF121436.D
Acq: 25 Aug 2020 19:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	13.1	19.7#
279	28.3	19.4	29.2





#92
 Benzo(a,h,i)perylene
 Concen: 11.104 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.04 min
 Lab File: BF121436.D
 Acq: 25 Aug 2020 19:42

Instrument :
 BNA_F
 ClientSampled :
 129

Tot Ion:	276	Resp:	236002
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.3	28.9
138	21.9	16.8	25.2

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mohammad
 8/26/2020 4:00:59 PM

