

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121847.D
 Acq On : 6 Oct 2020 12:20
 Operator : JU/CG
 Sample : L4247-09DL 100X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19(7-9)DL

Manual Integrations
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mohammad
 10/7/2020 10:40:40 AM

Quant Time: Oct 06 13:07:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	114211	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	460437	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	229904	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	399765	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	236492	20.00	ng	-0.01
86) Perylene-d12	15.36	264	245642	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	3351	0.44	ng	0.02
7) Phenol-d6	6.43	99	5133	0.51	ng	0.02
23) Nitrobenzene-d5	7.34	82	3884	0.45	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	704	0.25	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	9899	0.65	ng	-0.01
79) Terphenyl-d14	12.86	244	9444	0.81	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	9.83	154	37009	2.629	ng	98
58) Fluorene	10.35	166	47604	3.140	ng	96
71) Phenanthrene	11.31	178	532866	24.465	ng	99
72) Anthracene	11.36	178	164032	7.298	ng	98
73) Carbazole	11.52	167	42203	2.081	ng	99
75) Fluoranthene	12.50	202	751277	32.312	ng	99
78) Pyrene	12.73	202	608122	35.195	ng	99
81) Benzo(a)anthracene	13.91	228	302170	20.196	ng	100
83) Chrysene	13.94	228	229110	15.122	ng	97
87) Indeno(1,2,3-cd)pyrene	16.77	276	156369	9.775	ng	96
88) Benzo(b)fluoranthene	14.94	252	304775m	18.560	ng	
89) Benzo(k)fluoranthene	14.97	252	101980m	6.782	ng	
90) Benzo(a)pyrene	15.30	252	230248	16.495	ng	97
91) Dibenzo(a,h)anthracene	16.77	278	42213	3.170	ng	93
92) Benzo(a,h,i)perylene	17.20	276	144905	11.070	ng	99

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

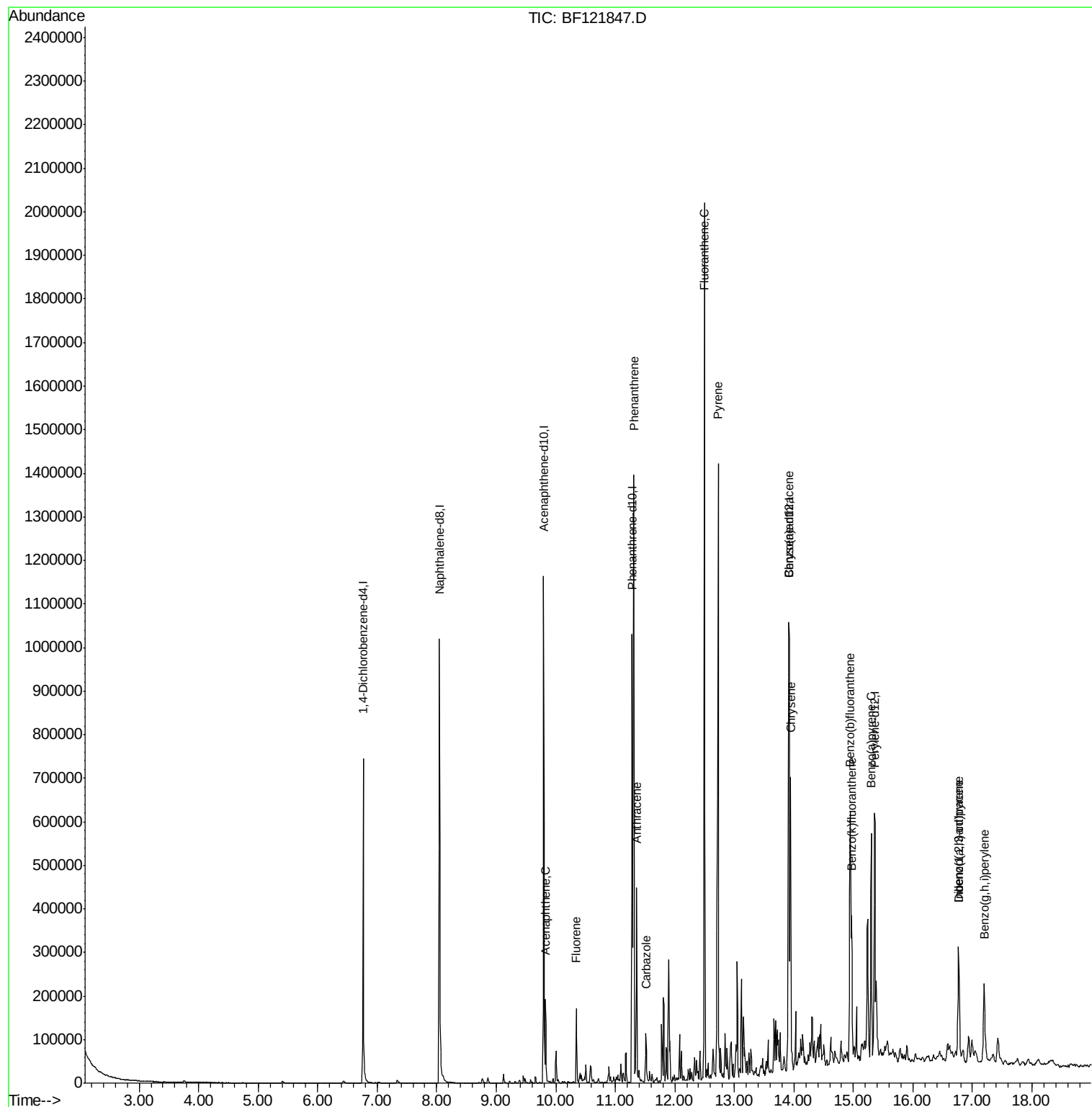
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
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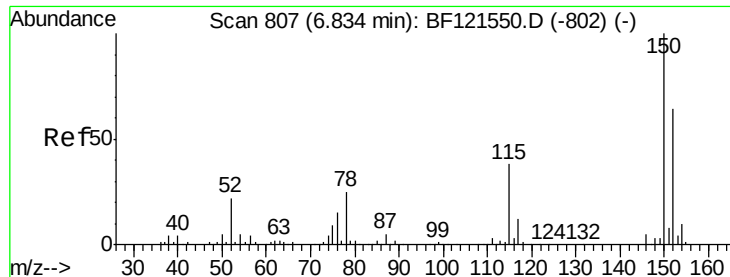
Instrument :
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Quant Time: Oct 06 13:07:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

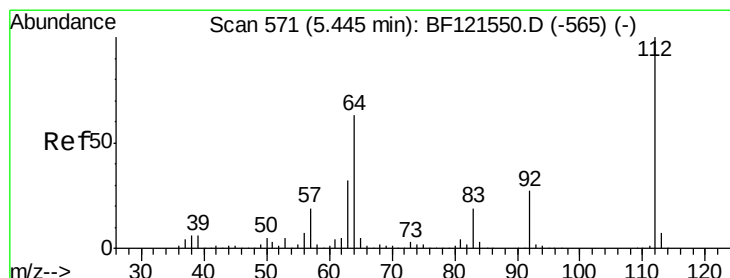
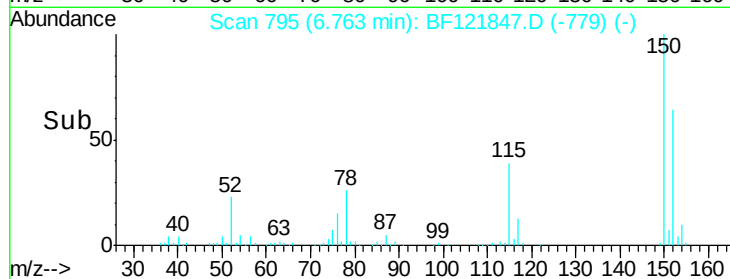
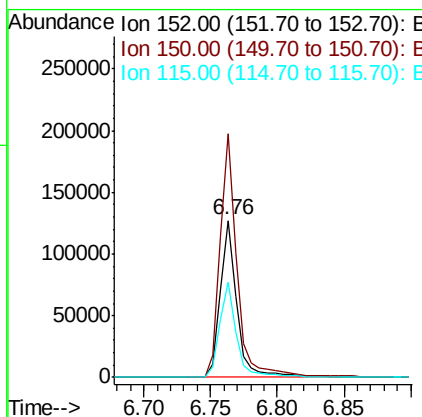
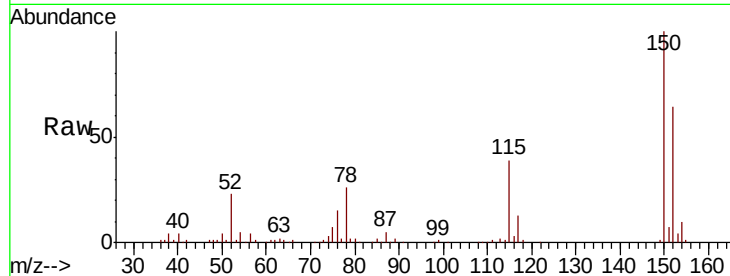
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Instrument :
BNA_F
ClientSampled :
B-19(7-9)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.3	187.9
115	61.0	51.9	77.9

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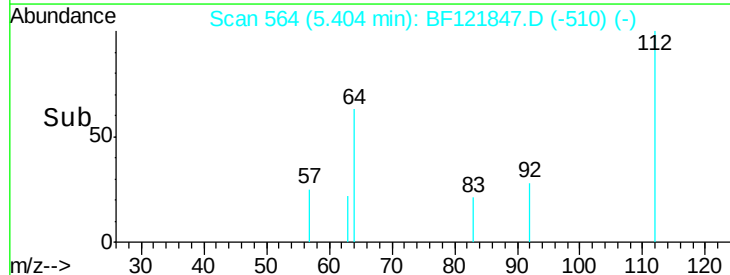
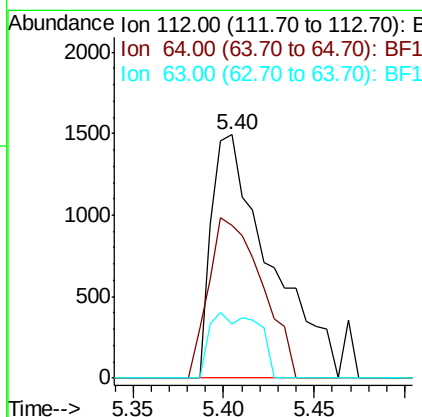
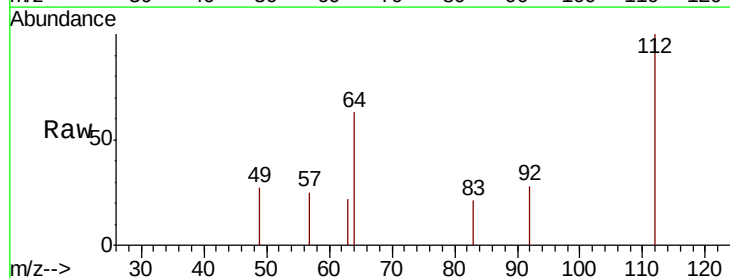
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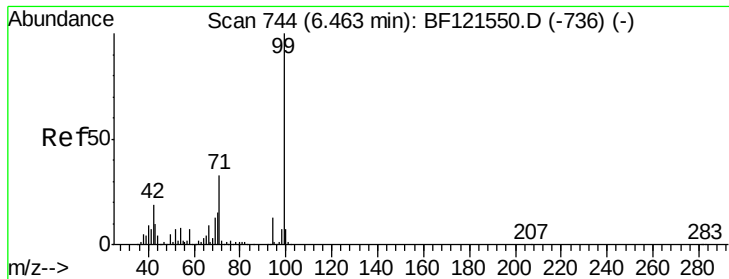


#5

2-Fluorophenol
Concen: 0.436 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	50.4	75.6
63	22.4	25.8	38.6





#7

Phenol-d6

Concen: 0.509 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.02 min

Lab File: BF121847.D

Acq: 6 Oct 2020 12:20

Instrument :

BNA_F

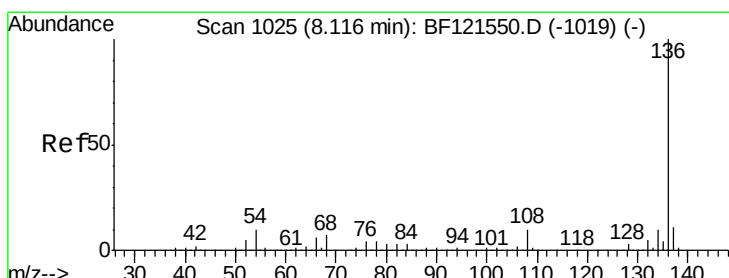
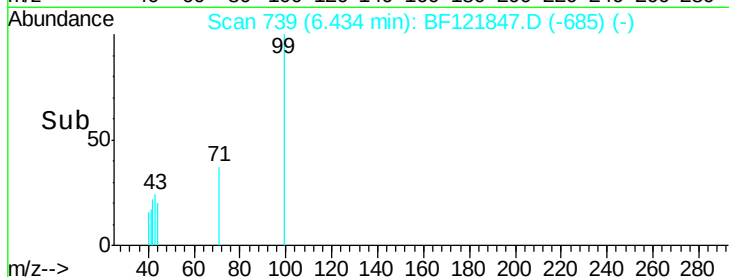
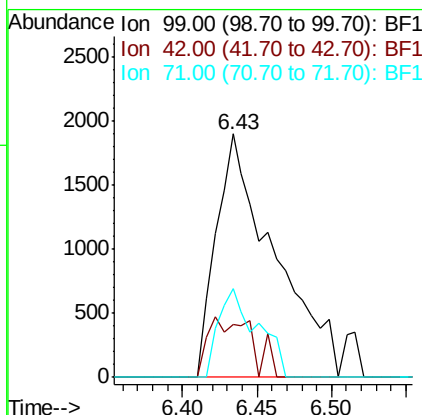
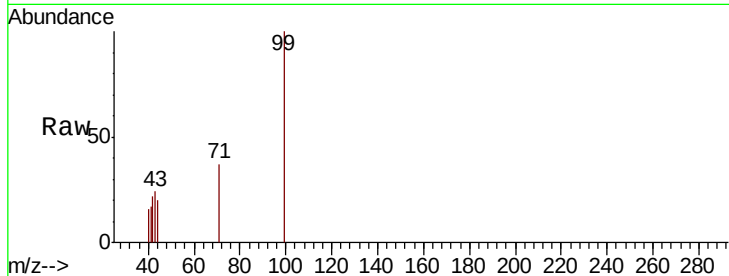
ClientSampled :

B-19(7-9)DL

Tot Ion:	99	Resp:	5133
Ion	Ratio	Lower	Upper
99	100		
42	21.8	15.9	23.9
71	36.6	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

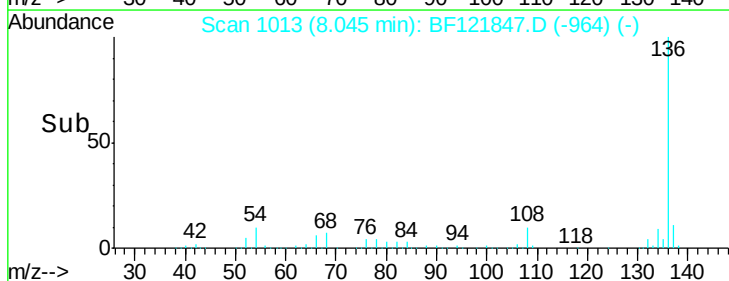
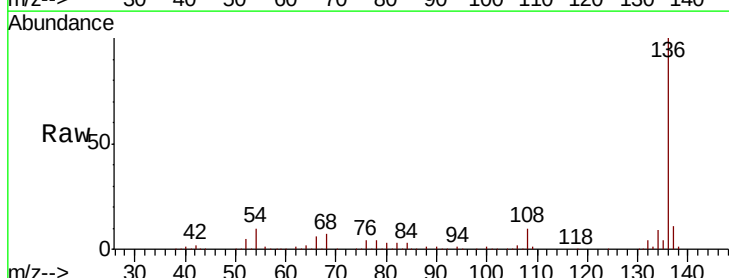
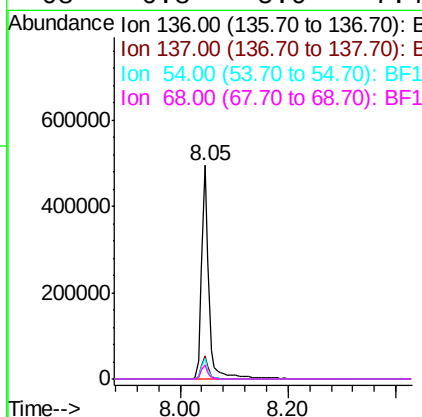
RT: 8.05 min Scan# 1013

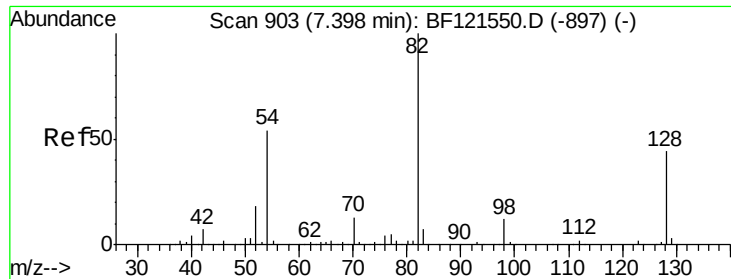
Delta R.T. -0.01 min

Lab File: BF121847.D

Acq: 6 Oct 2020 12:20

Tgt Ion:	136	Resp:	460437
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.6	7.1	10.7
68	6.8	5.0	7.4





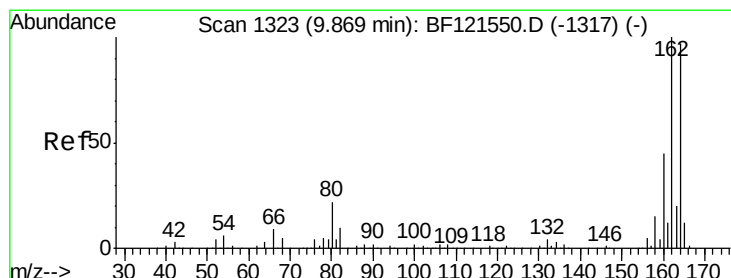
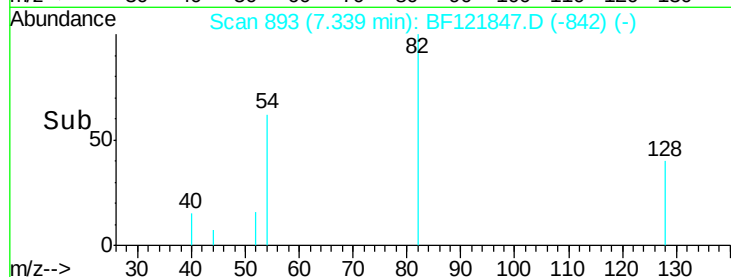
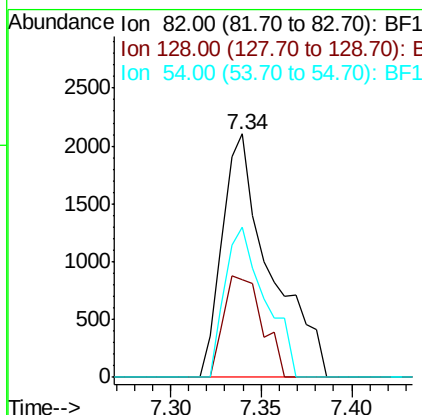
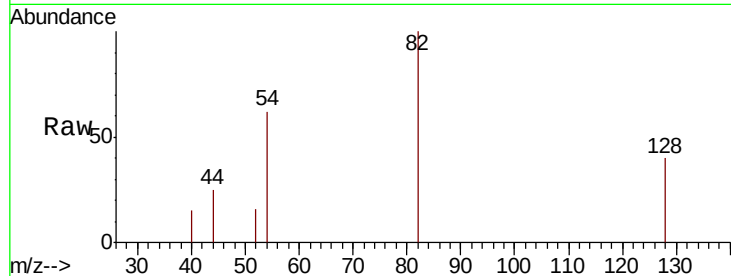
#23
Nitrobenzene-d5
Concen: 0.453 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Instrument :
BNA_F
ClientSampleId :
B-19(7-9)DL

Tot Ion	82.00	Resp:	3884
Ion	Ratio	Lower	Upper
82	100		
128	40.1	35.0	52.4
54	61.5	43.9	65.9

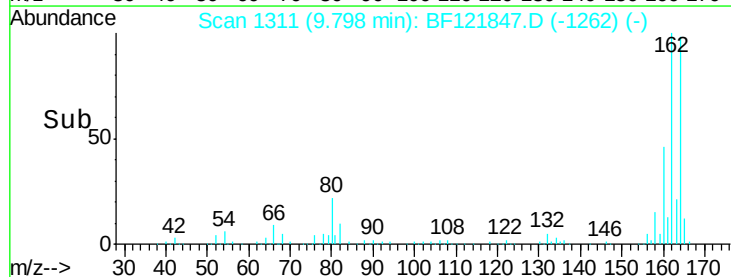
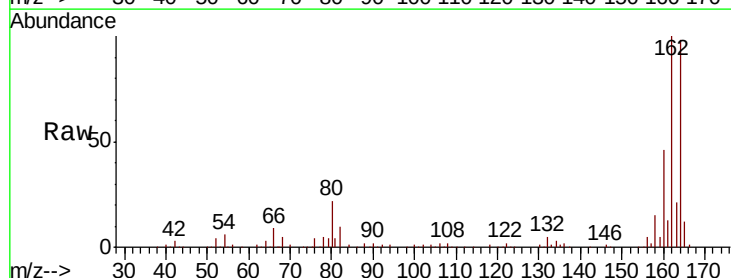
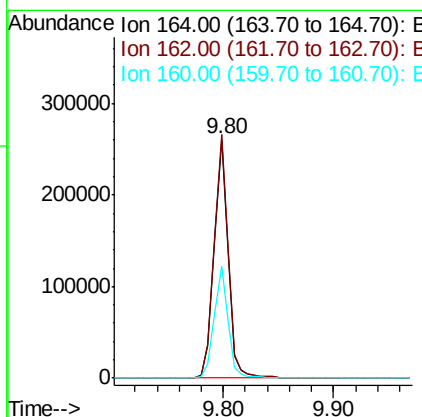
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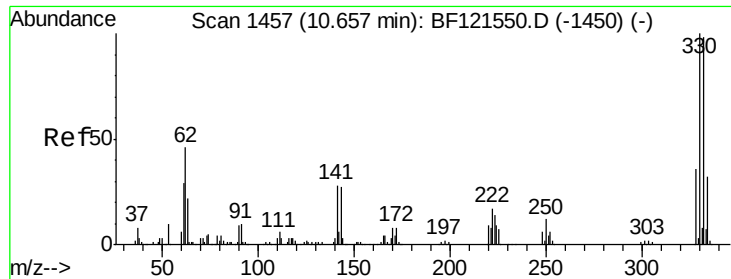
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Tgt Ion	164	Resp:	229904
Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.2	124.8
160	46.5	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 0.246 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121847.D

Acq: 6 Oct 2020 12:20

Instrument :

BNA_F

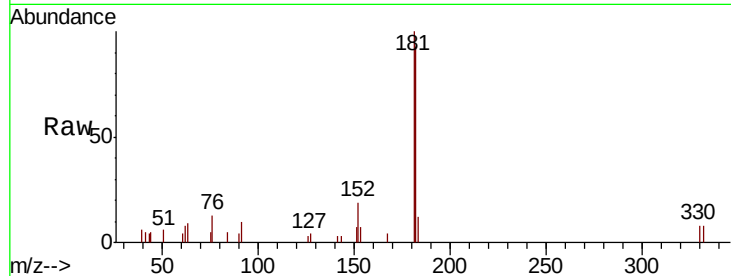
ClientSampleId :

B-19(7-9)DL

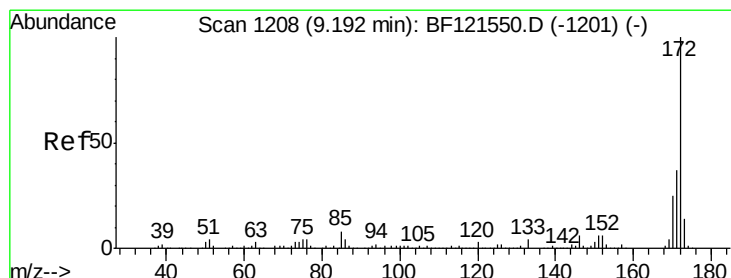
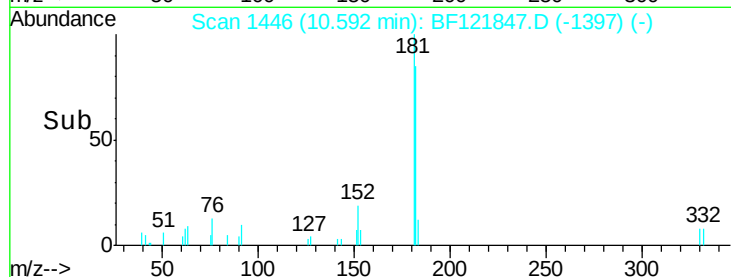
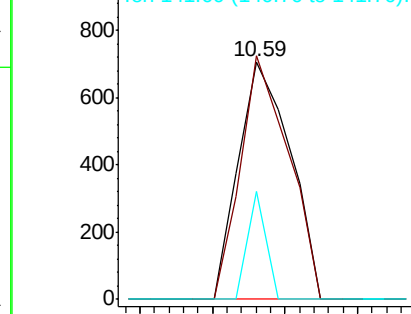
Tot Ion:	330	Resp:	704
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.3	115.9
141	16.2	22.3	33.5#

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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: 0.652 ng

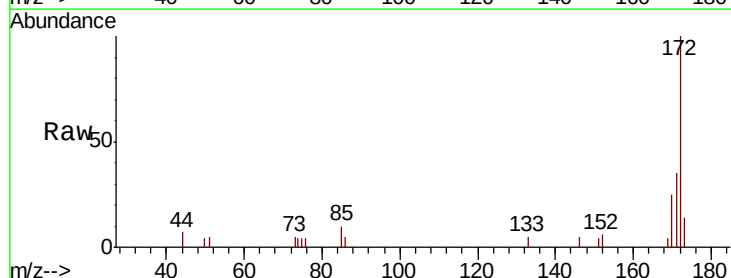
RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

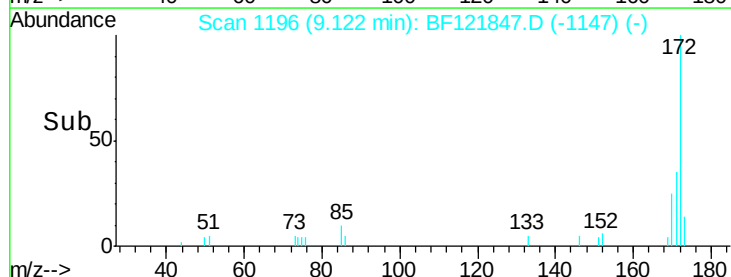
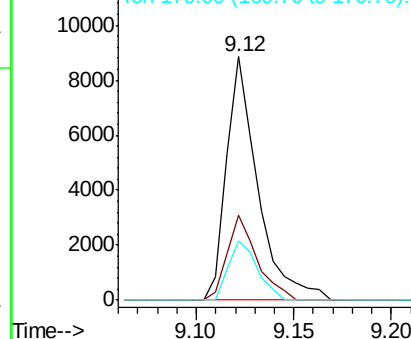
Lab File: BF121847.D

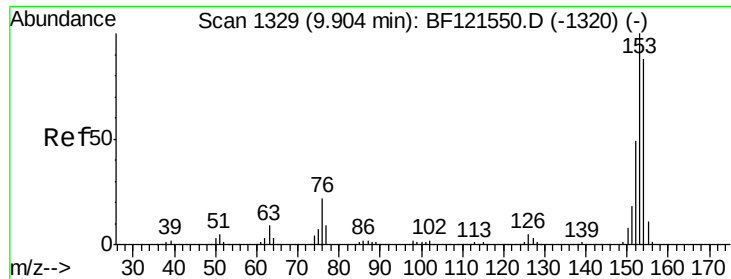
Acq: 6 Oct 2020 12:20

Tgt Ion:	172	Resp:	9899
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.1	43.7
170	24.5	19.8	29.6



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





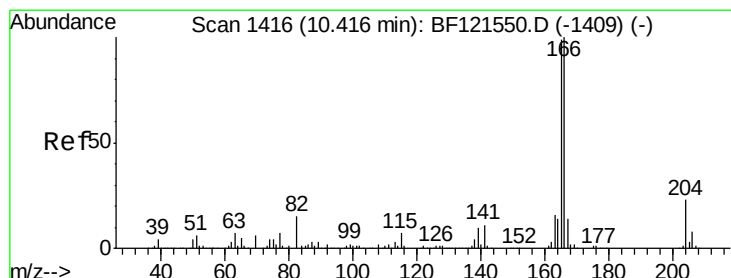
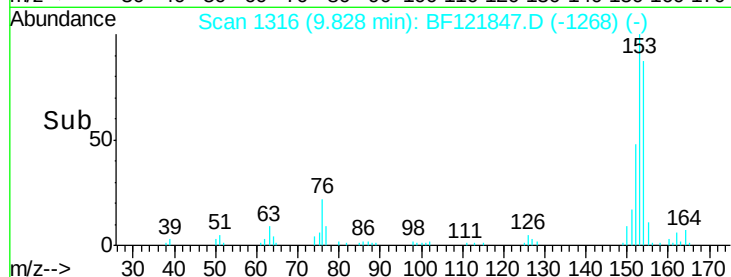
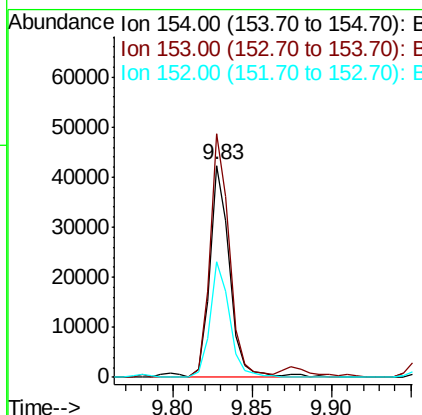
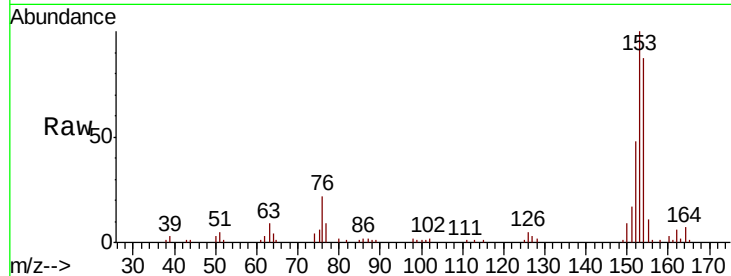
#52
Acenaphthene
Concen: 2.629 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Instrument :
BNA_F
ClientSampleId :
B-19(7-9)DL

Tot Ion:154 Resp: 37009
Ion Ratio Lower Upper
154 100
153 114.8 89.8 134.8
152 54.8 43.2 64.8

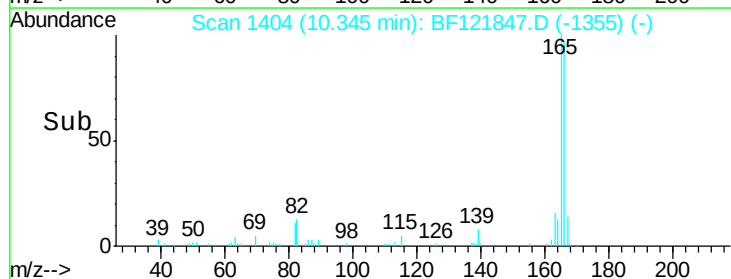
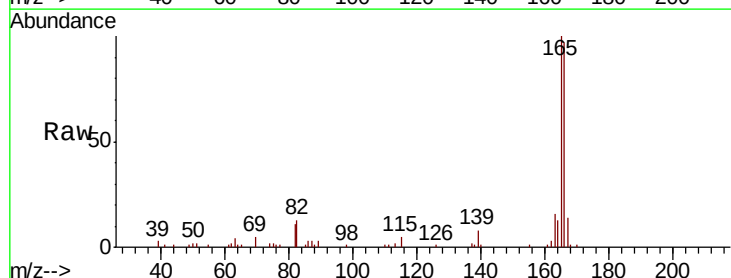
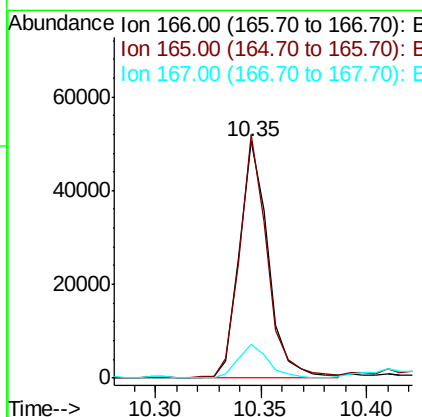
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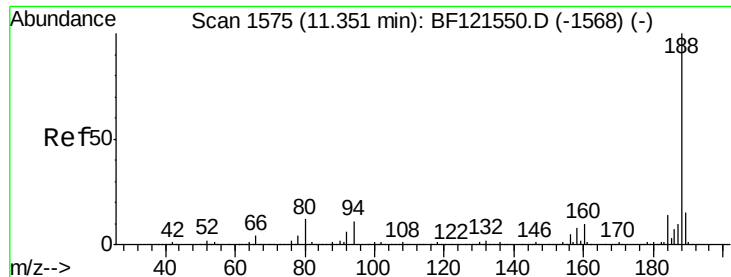
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#58
Fluorene
Concen: 3.140 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Tgt Ion:166 Resp: 47604
Ion Ratio Lower Upper
166 100
165 102.7 79.1 118.7
167 14.4 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121847.D

Acq: 6 Oct 2020 12:20

Instrument :

BNA_F

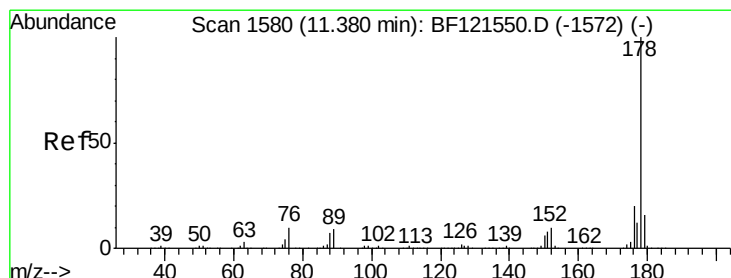
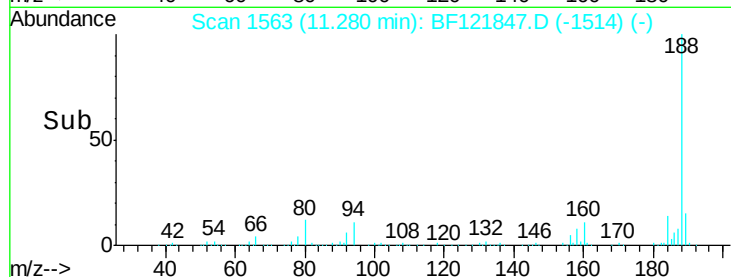
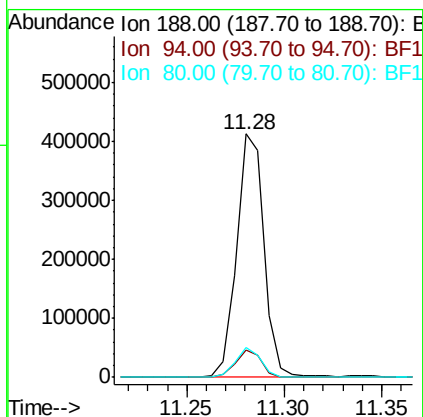
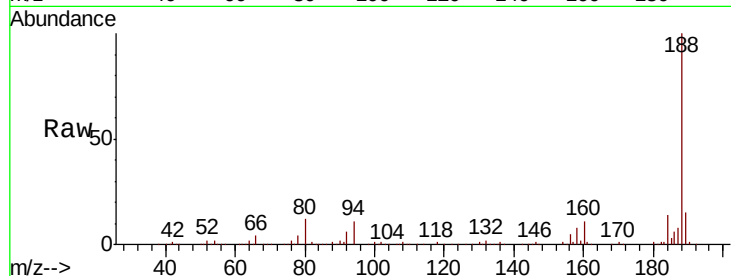
ClientSampled :

B-19(7-9)DL

Tot Ion:	188	Resp:	399765
Ion Ratio	Lower	Upper	
188	100		
94	11.4	8.3	12.5
80	12.3	9.1	13.7

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#71

Phenanthrene

Concen: 24.465 ng

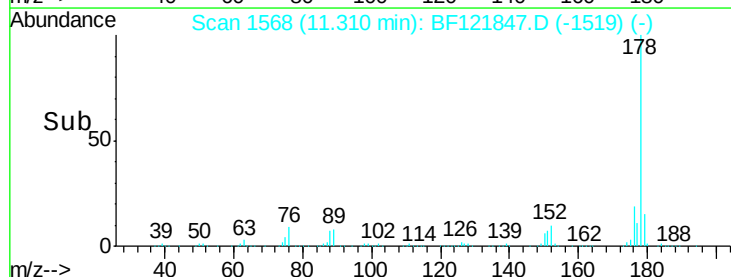
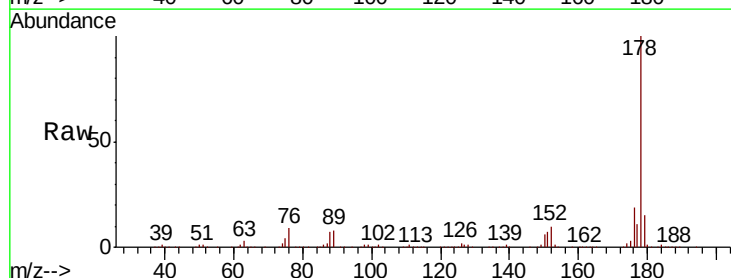
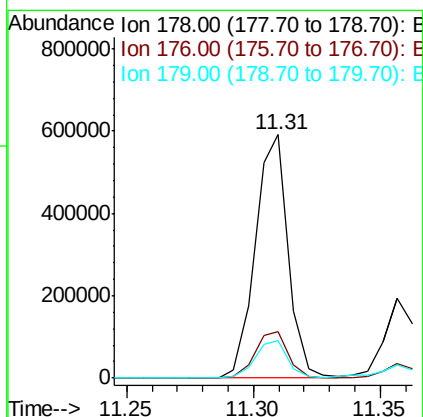
RT: 11.31 min Scan# 1568

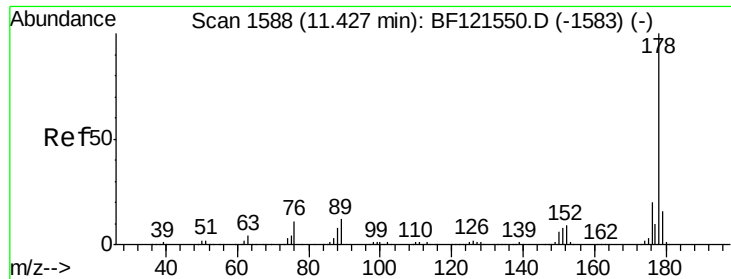
Delta R.T. -0.01 min

Lab File: BF121847.D

Acq: 6 Oct 2020 12:20

Tgt Ion:	178	Resp:	532866
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.9	23.9
179	15.2	12.2	18.4





#72

Anthracene

Concen: 7.298 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121847.D

Acq: 6 Oct 2020 12:20

Instrument :

BNA_F

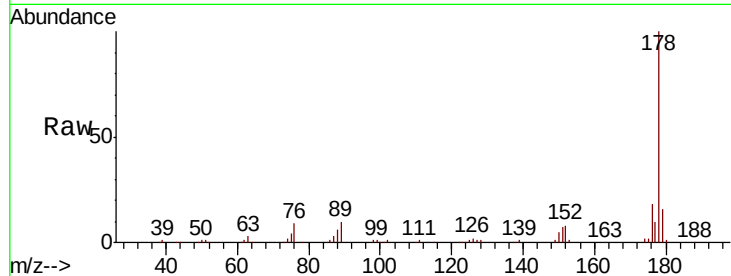
ClientSampleId :

B-19(7-9)DL

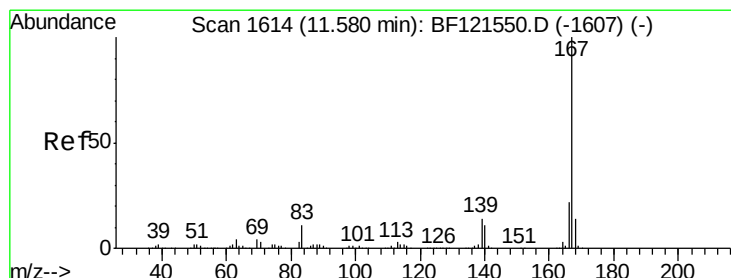
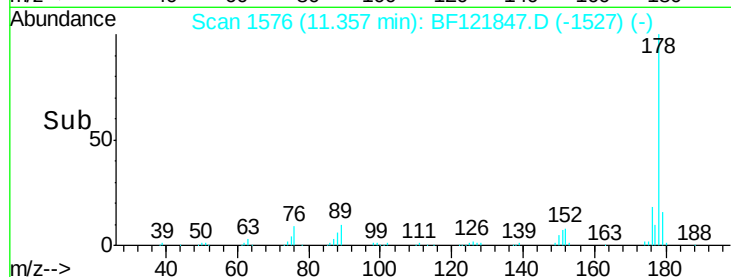
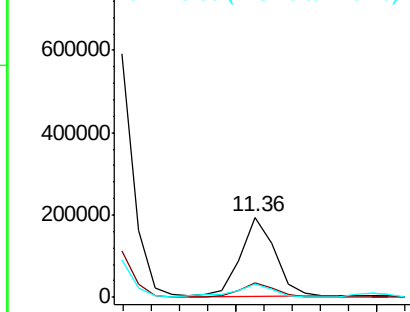
Tot Ion:	178	Resp:	164032
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.7	23.5
179	15.8	12.7	19.1

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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



#73

Carbazole

Concen: 2.081 ng

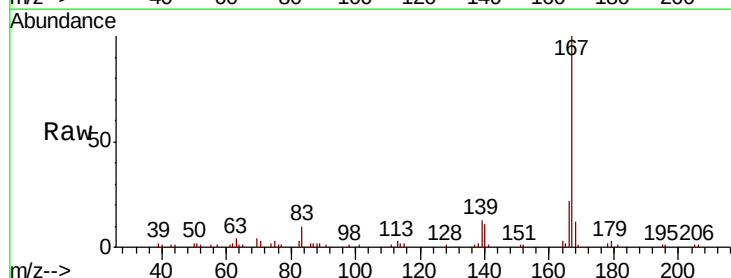
RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

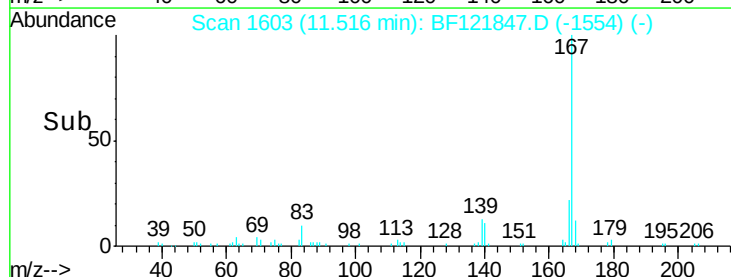
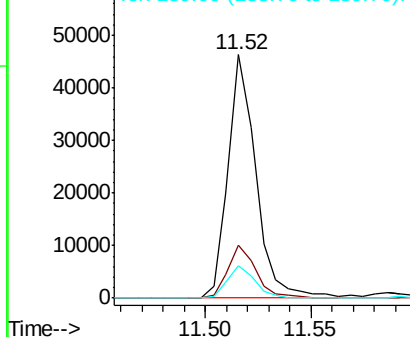
Lab File: BF121847.D

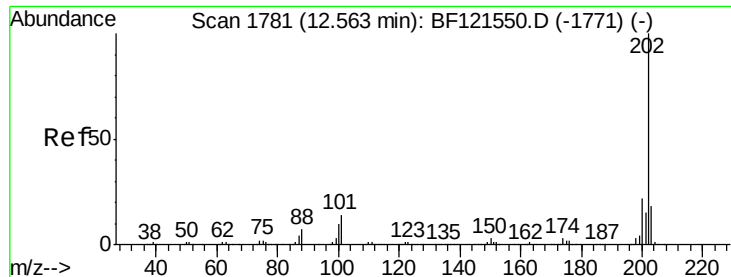
Acq: 6 Oct 2020 12:20

Tgt Ion:	167	Resp:	42203
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.8	26.6
139	13.1	10.8	16.2



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: 32.312 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121847.D

Acq: 6 Oct 2020 12:20

Instrument :

BNA_F

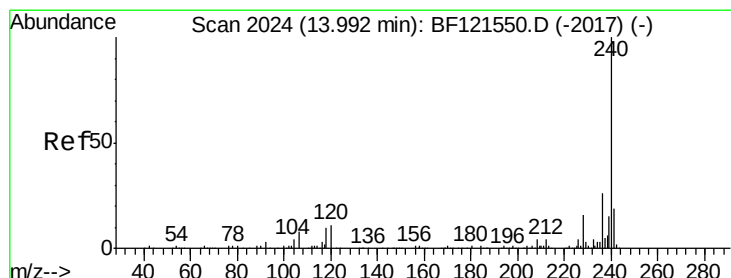
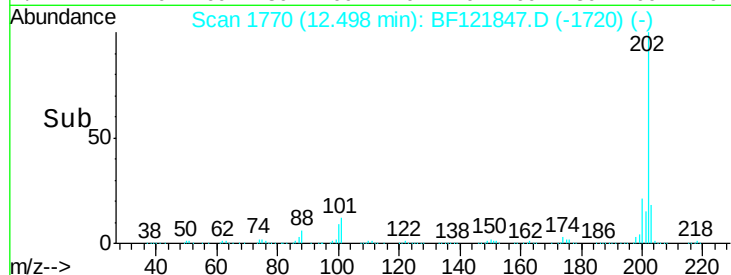
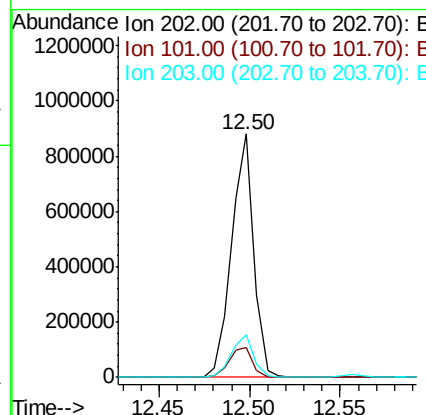
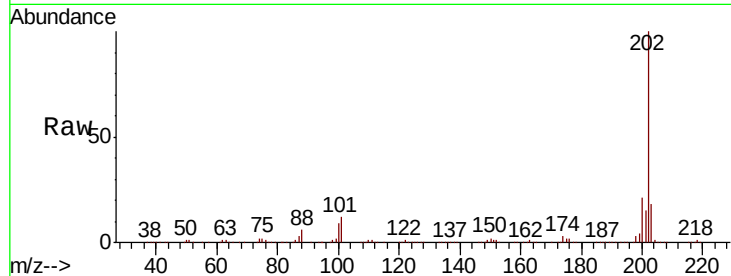
ClientSampleId :

B-19(7-9)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	33.4
203	17.7	0.0	37.9

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mohammad
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#76

Chrysene-d12

Concen: 20.000 ng

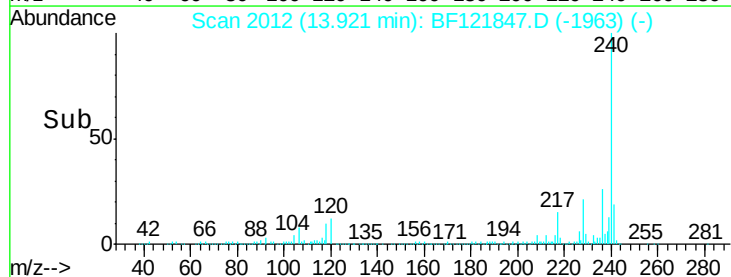
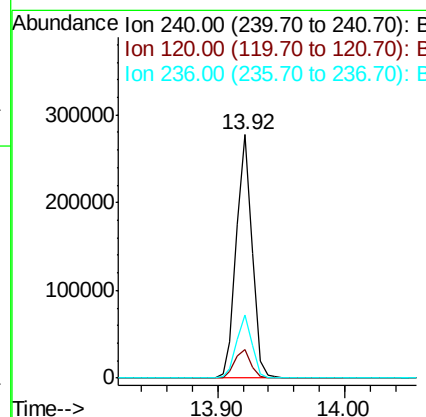
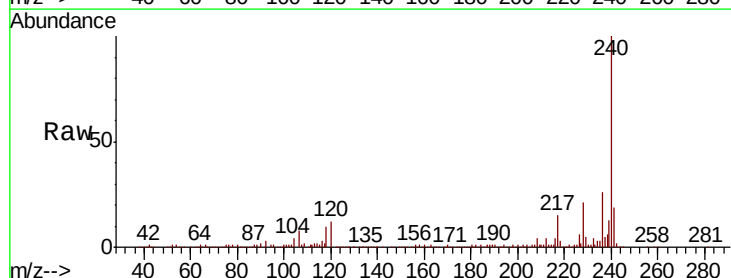
RT: 13.92 min Scan# 2012

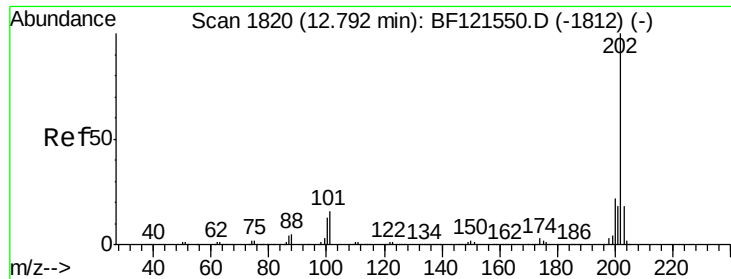
Delta R.T. -0.01 min

Lab File: BF121847.D

Acq: 6 Oct 2020 12:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	9.2	13.8
236	26.1	20.9	31.3





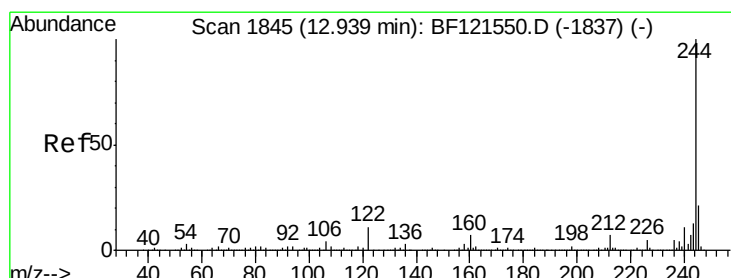
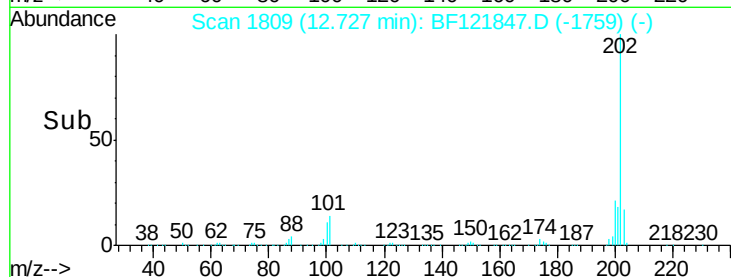
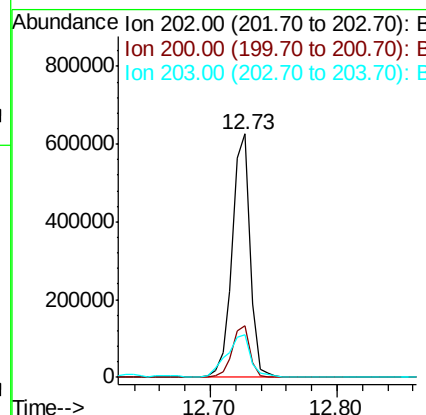
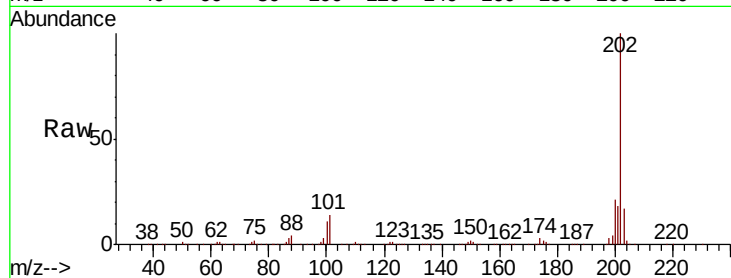
#78
Pvrene
Concen: 35.195 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Instrument :
BNA_F
ClientSampleId :
B-19(7-9)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.4	14.6	21.8

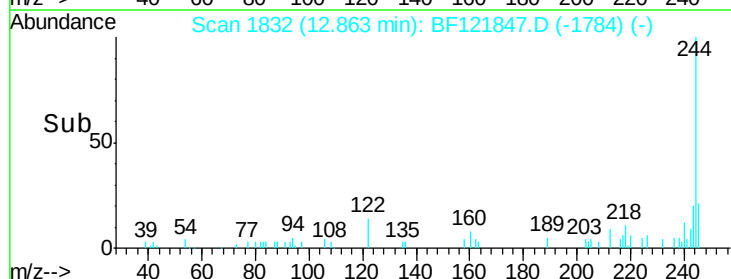
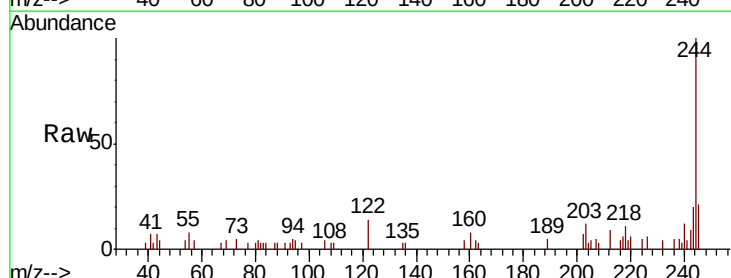
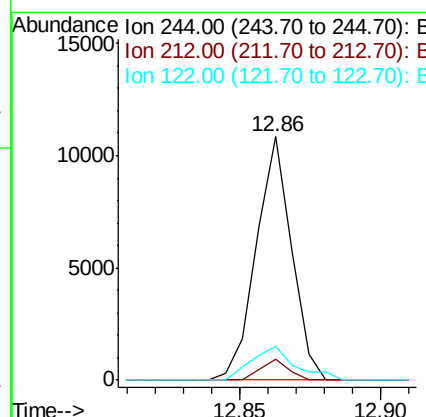
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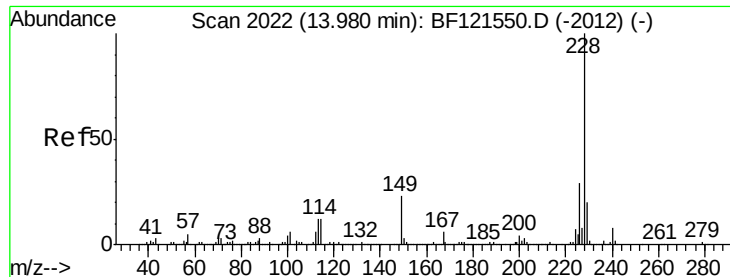
mohammad
10/7/2020 10:40:40 AM



#79
Terphenyl-d14
Concen: 0.809 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.4	8.2#
122	14.0	8.1	12.1#





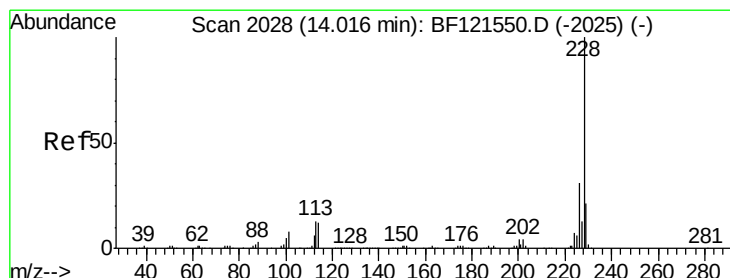
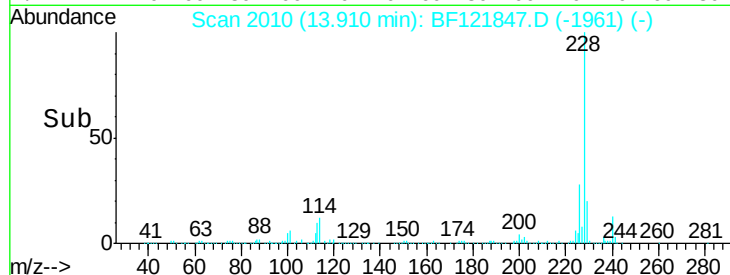
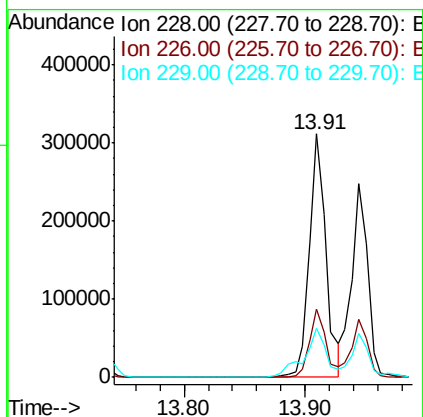
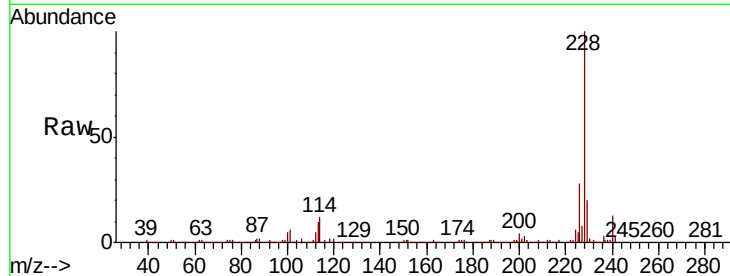
#81
Benzo(a)anthracene
Concen: 20.196 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Instrument :
BNA_F
ClientSampleId :
B-19(7-9)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	20.3	16.2	24.4

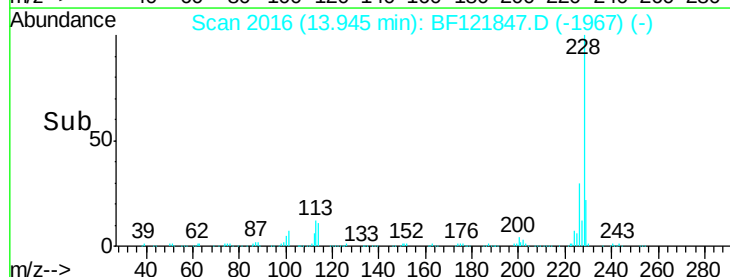
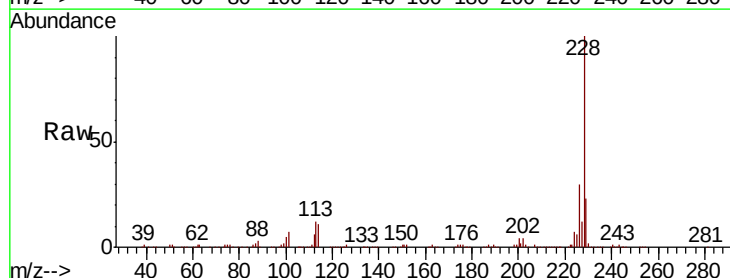
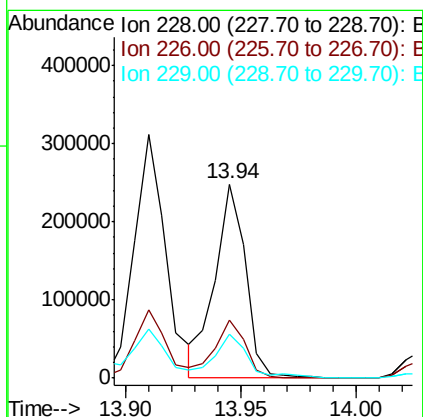
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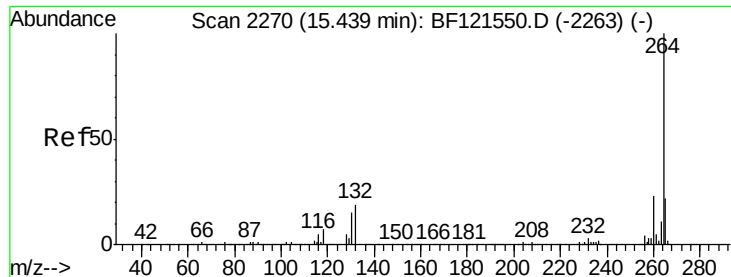
mohammad
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#83
Chrysene
Concen: 15.122 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	37.0
229	22.6	15.9	23.9





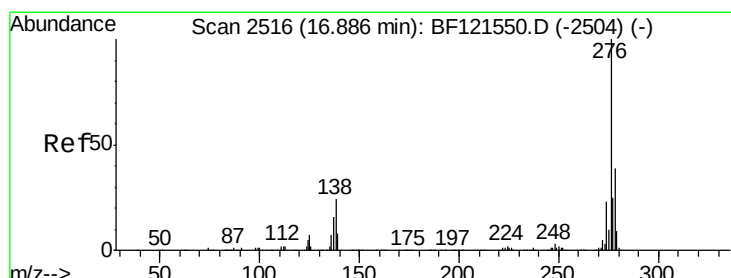
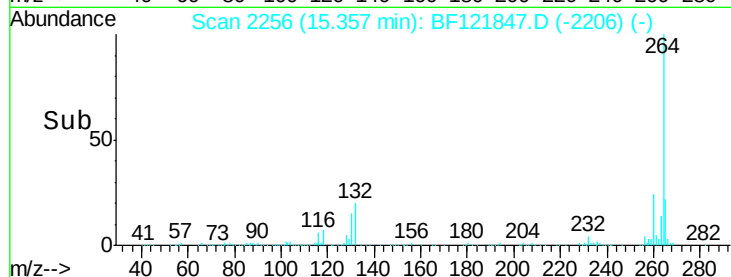
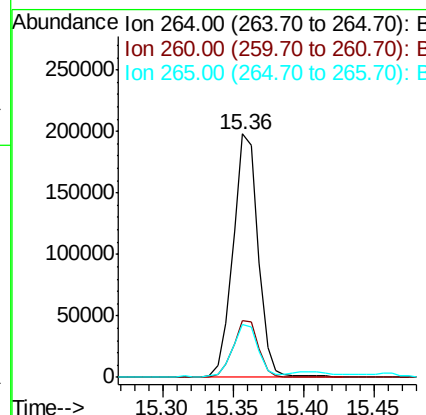
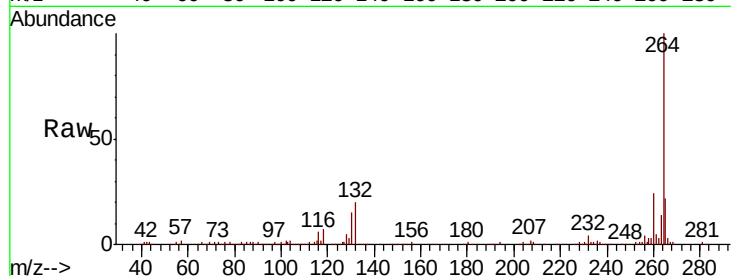
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Instrument :
BNA_F
ClientSampled :
B-19(7-9)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.0	17.3	25.9

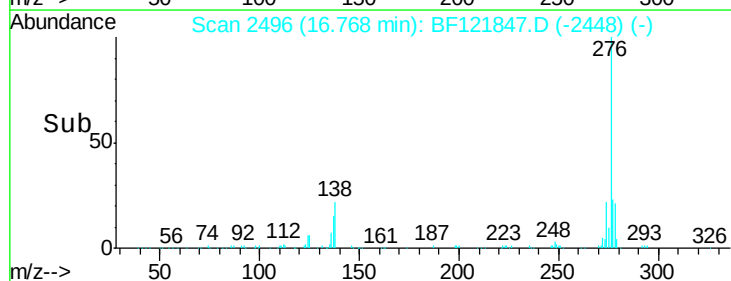
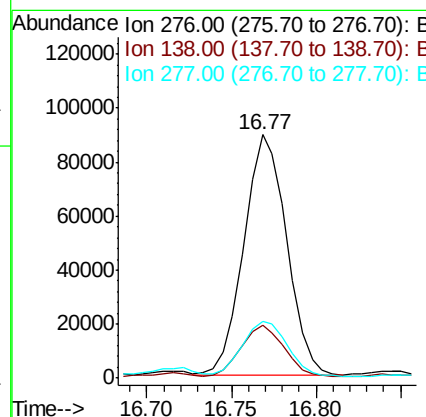
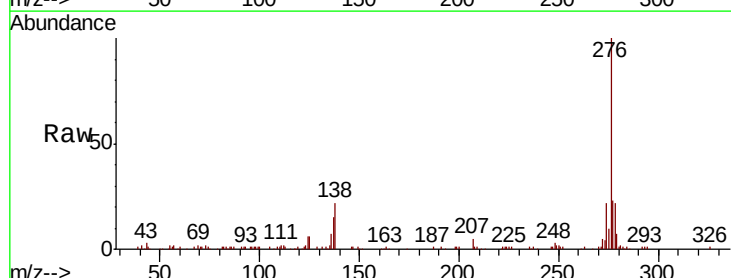
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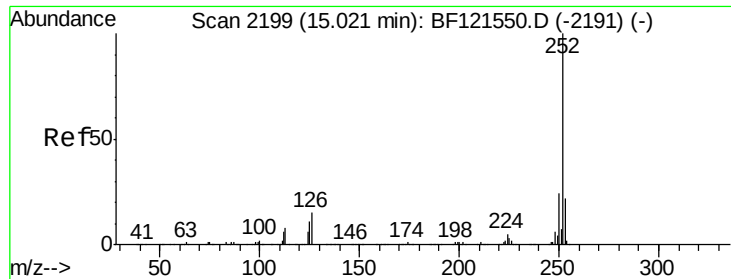
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 9.775 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.9	29.9
277	24.5	20.4	30.6





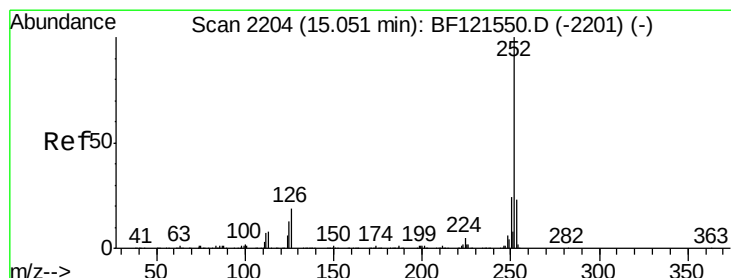
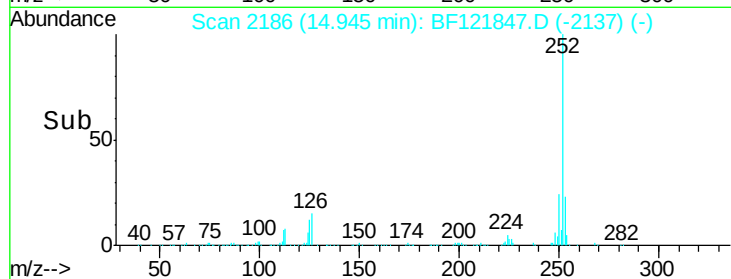
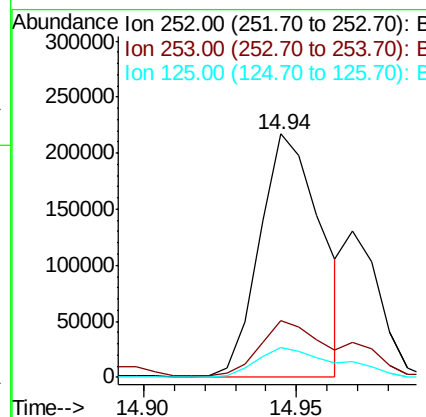
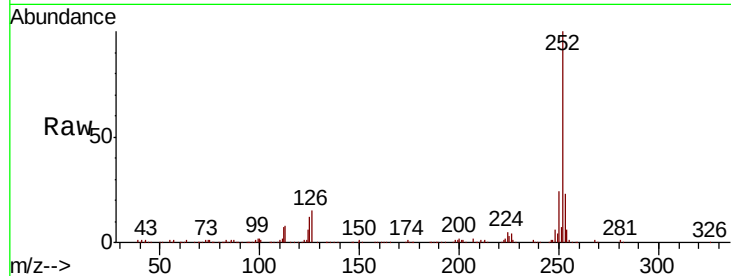
#88
Benzo(b)fluoranthene
Concen: 18.560 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Instrument :
BNA_F
ClientSampleId :
B-19(7-9)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	12.3	8.0	12.0

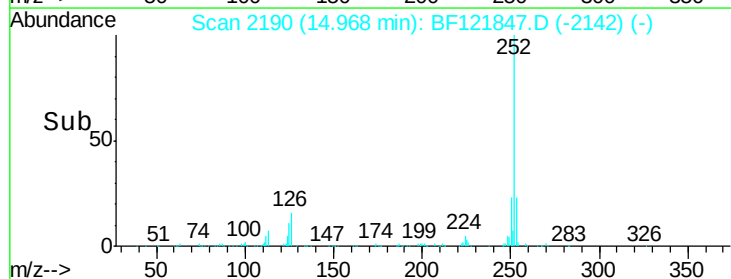
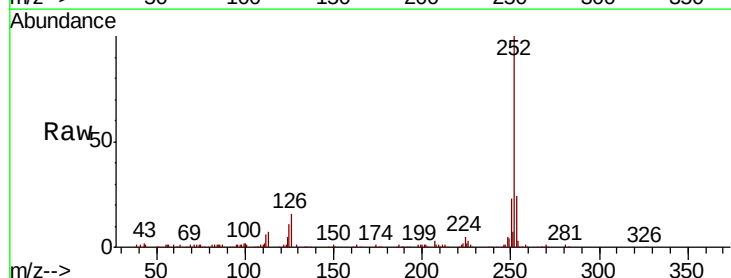
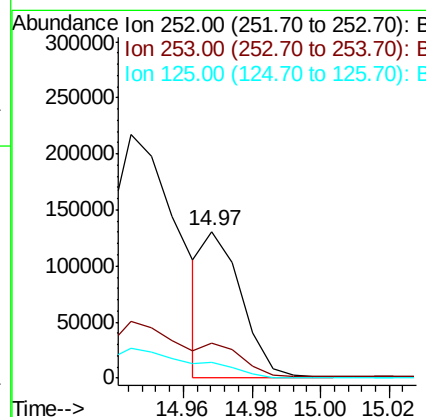
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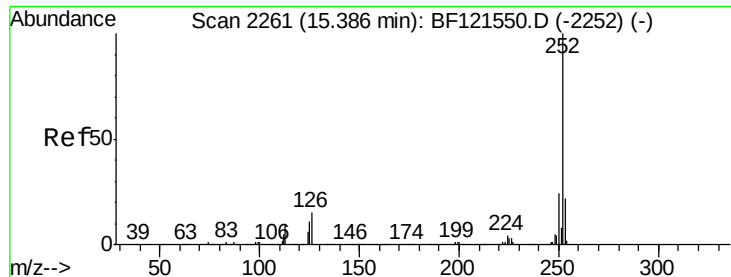
mohammad
10/7/2020 10:40:40 AM



#89
Benzo(k)fluoranthene
Concen: 6.782 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	11.2	7.7	11.5





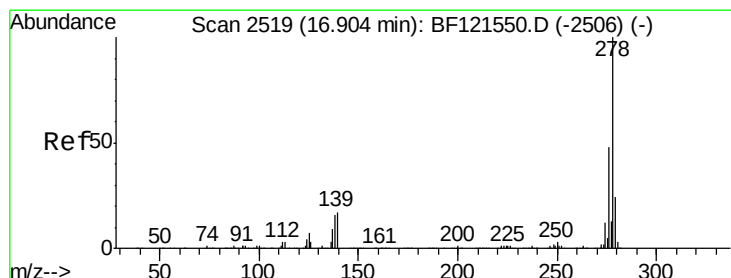
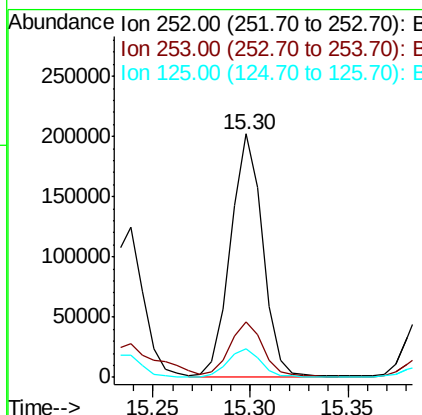
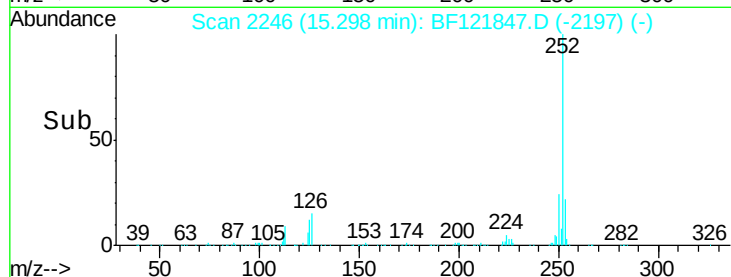
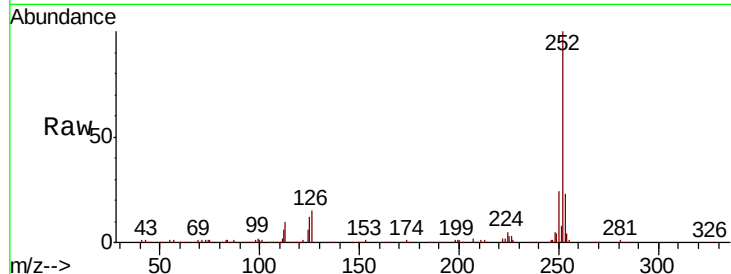
#90
Benzo(a)pyrene
Concen: 16.495 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Instrument :
BNA_F
ClientSampleId :
B-19(7-9)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	12.0	8.6	13.0

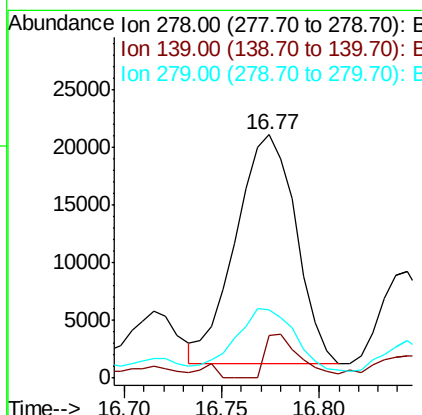
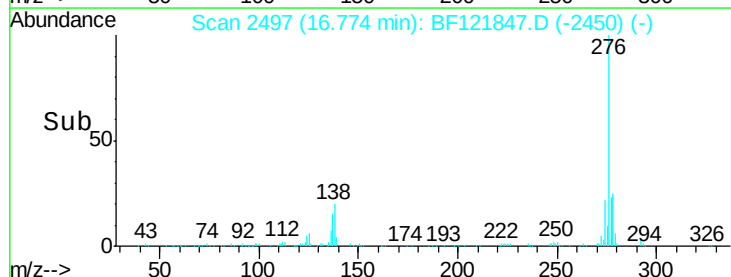
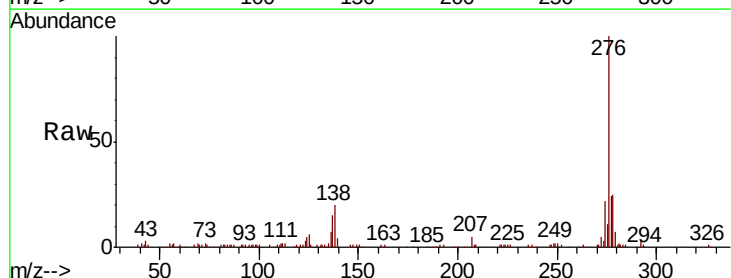
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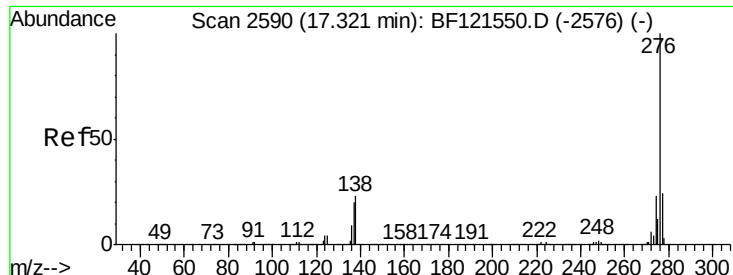
mohammad
10/7/2020 10:40:40 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.170 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.02 min
Lab File: BF121847.D
Acq: 6 Oct 2020 12:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.0	19.4
279	28.2	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 11.070 ng
 RT: 17.20 min Scan# 2569
 Delta R.T. -0.01 min
 Lab File: BF121847.D
 Acq: 6 Oct 2020 12:20

Instrument :
 BNA_F
 ClientSampleId :
 B-19(7-9)DL

Tot Ion:	276	Resp:	144905
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.4	29.2
138	23.0	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 10/7/2020 10:40:40 AM

