

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121858.D
 Acq On : 6 Oct 2020 18:01
 Operator : JU/CG
 Sample : L4230-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 24702

Manual Integrations
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mohammad
 10/7/2020 10:41:02 AM

Quant Time: Oct 06 18:54:16 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	107749	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	391935	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	166640	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	226140	20.00	ng	0.00
76) Chrysene-d12	13.92	240	250133	20.00	ng	-0.01
86) Perylene-d12	15.36	264	246909	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	662505	91.38	ng	0.00
7) Phenol-d6	6.40	99	838103	88.11	ng	-0.01
23) Nitrobenzene-d5	7.33	82	551092	75.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	151947	73.36	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	754288	68.55	ng	-0.01
79) Terphenyl-d14	12.87	244	543771	44.04	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.52	163	119774	9.917	ng	99
71) Phenanthrene	11.31	178	175364	14.233	ng	# 95
72) Anthracene	11.36	178	26552	2.088	ng	# 73
75) Fluoranthene	12.50	202	392771	29.863	ng	98
78) Pyrene	12.73	202	335839	18.376	ng	99
81) Benzo(a)anthracene	13.92	228	198760	12.560	ng	98
83) Chrysene	13.95	228	220216	13.742	ng	97
84) Bis(2-ethylhexyl)phthalate	13.90	149	22287	2.257	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.78	276	101608	6.319	ng	96
88) Benzo(b)fluoranthene	14.95	252	302304m	18.315	ng	
89) Benzo(k)fluoranthene	14.97	252	83018m	5.492	ng	
90) Benzo(a)pyrene	15.30	252	176918	12.609	ng	98
91) Dibenzo(a,h)anthracene	16.78	278	28068	2.097	ng	# 92
92) Benzo(a,h,i)perylene	17.20	276	92483	7.029	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

BNA_F

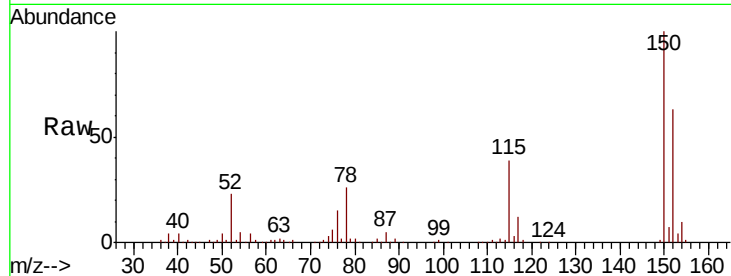
ClientSampled :

24702

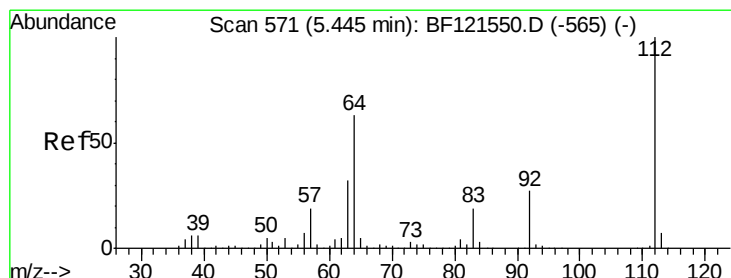
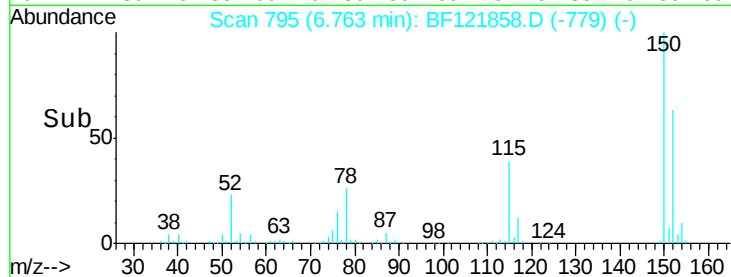
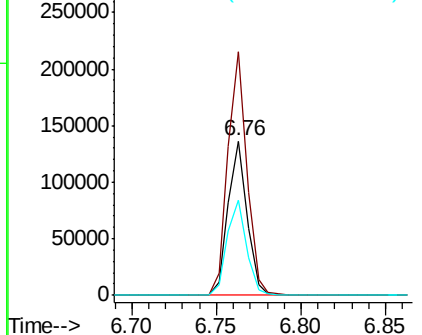
Tot Ion:	152	Resp:	107749
Ion Ratio	Lower	Upper	
152	100		
150	157.7	125.3	187.9
115	61.8	51.9	77.9

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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: 91.376 ng

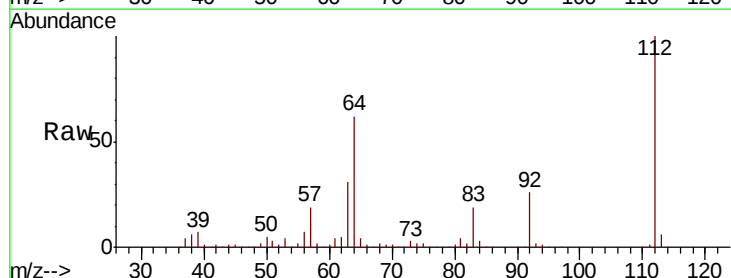
RT: 5.39 min Scan# 561

Delta R.T. 0.00 min

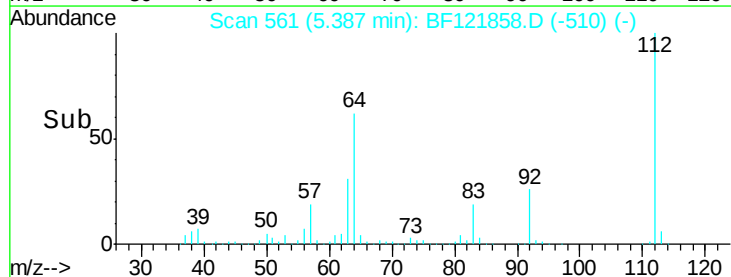
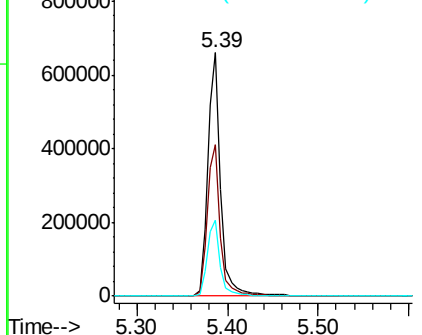
Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Tgt Ion:	112	Resp:	662505
Ion Ratio	Lower	Upper	
112	100		
64	62.2	50.4	75.6
63	31.3	25.8	38.6



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: 88.110 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

BNA_F

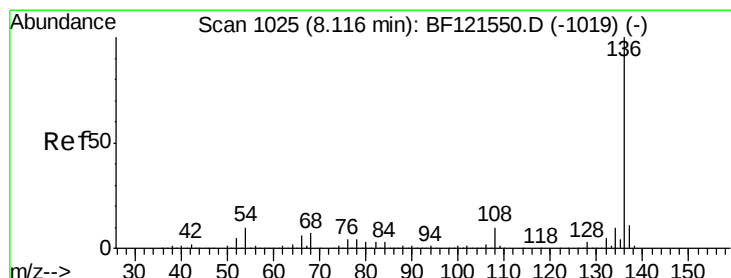
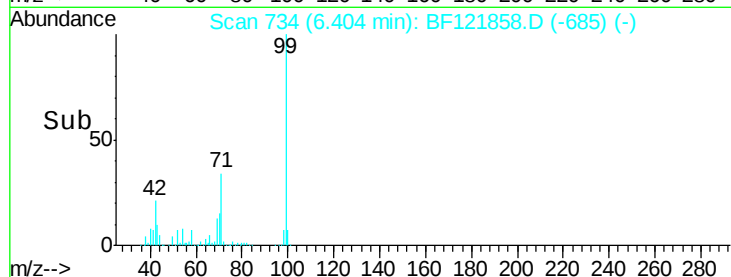
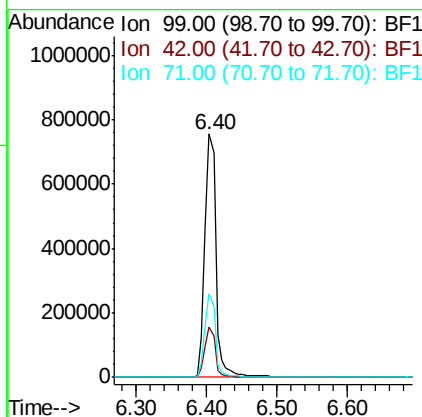
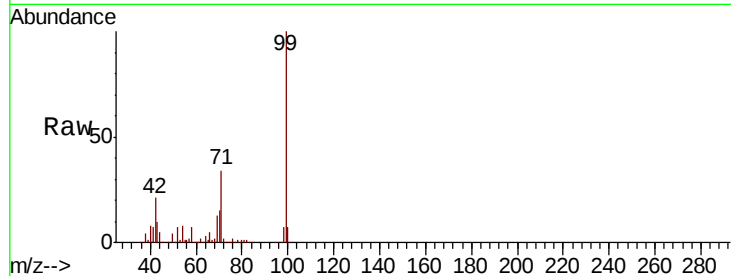
ClientSampled :

24702

Tot Ion:	99	Resp:	838103
Ion Ratio	Lower	Upper	
99	100		
42	20.5	15.9	23.9
71	34.3	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

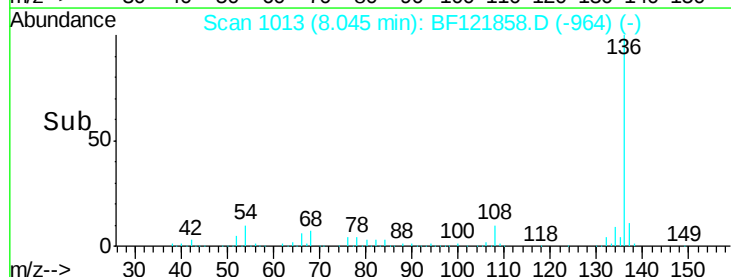
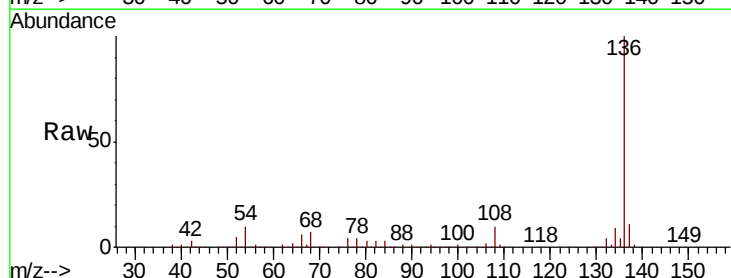
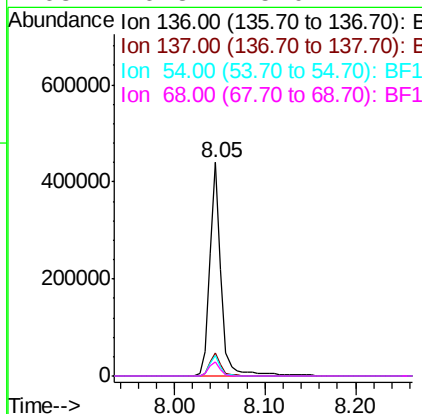
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Tgt Ion:	136	Resp:	391935
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.6	7.1	10.7
68	6.8	5.0	7.4





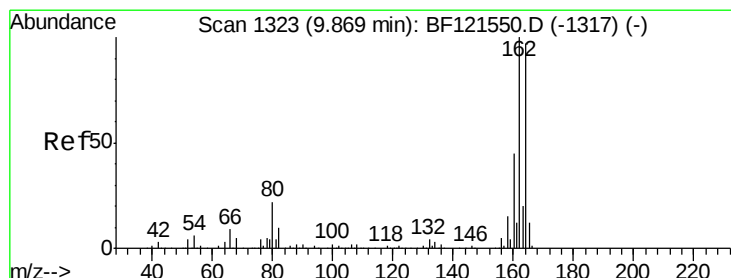
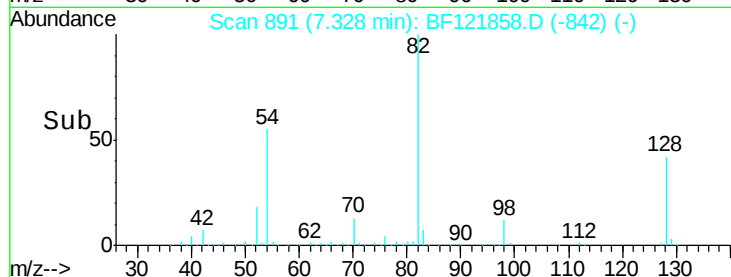
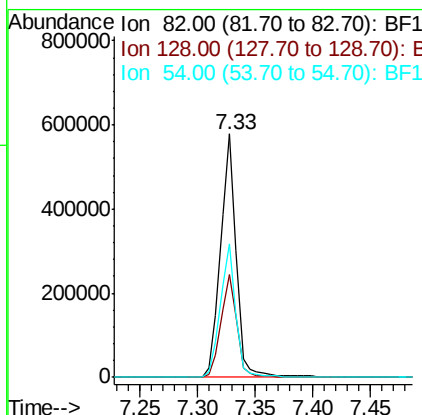
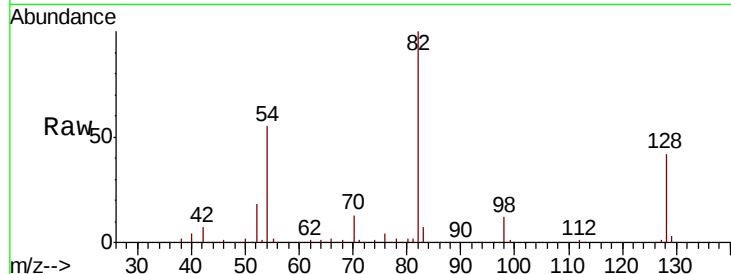
#23
Nitrobenzene-d5
Concen: 75.495 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Instrument :
BNA_F
ClientSampleId :
24702

Tot Ion	Ratio	Resp	Lower	Upper
82	100	551092		
128	42.2	35.0	52.4	
54	54.9	43.9	65.9	

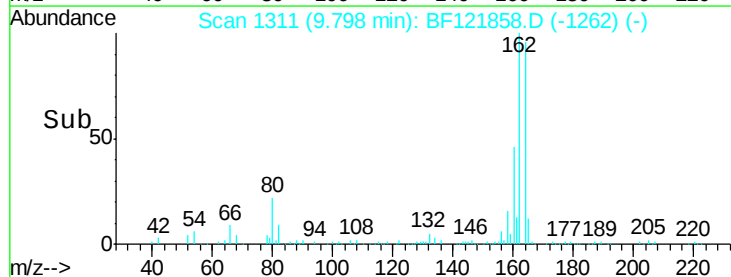
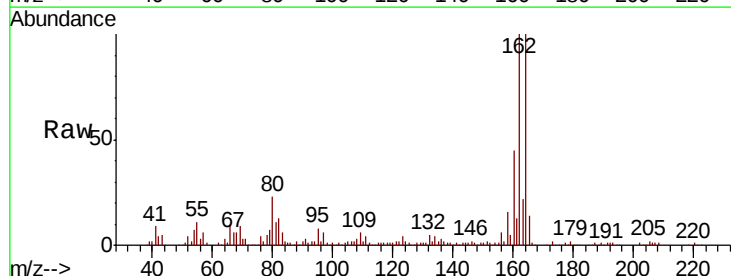
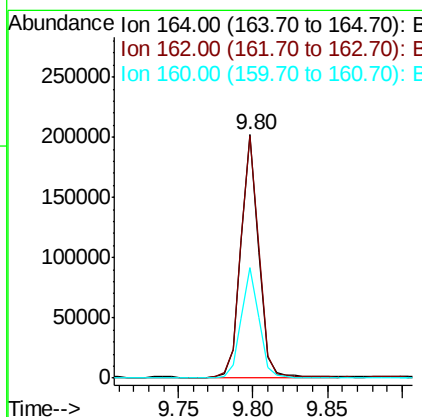
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166640		
162	99.7	83.2	124.8	
160	45.4	37.5	56.3	





#42

2,4,6-Tribromophenol

Concen: 73.365 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

BNA_F

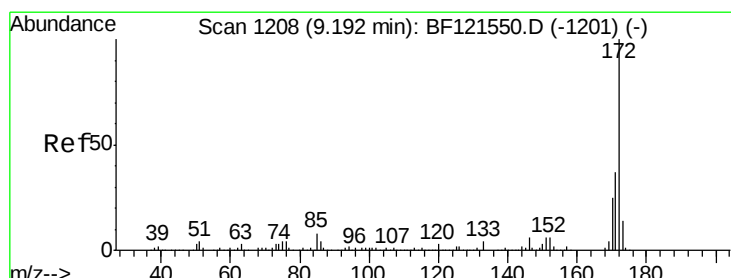
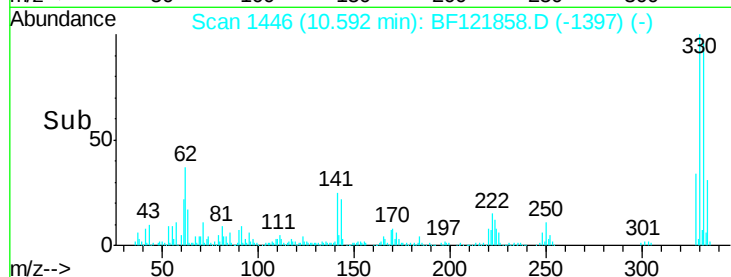
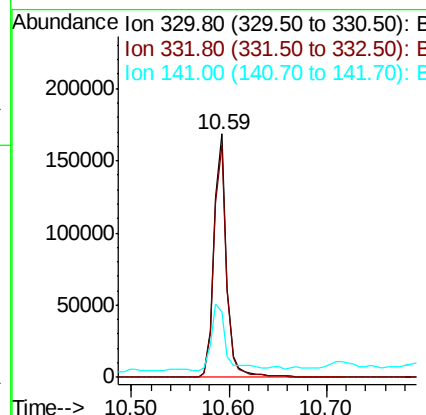
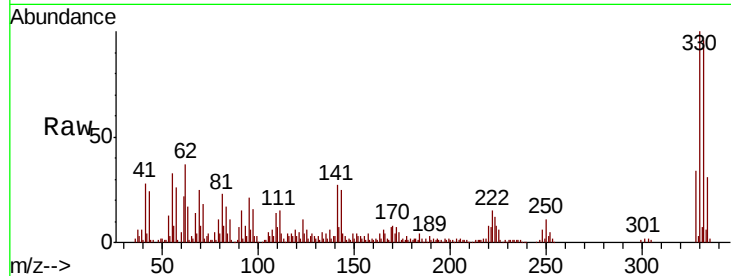
ClientSampled :

24702

Tot Ion:	330	Resp:	151947
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.3	115.9
141	29.1	22.3	33.5

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#45

2-Fluorobiphenyl

Concen: 68.555 ng

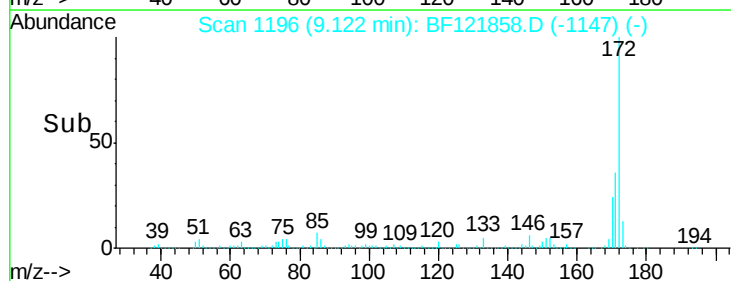
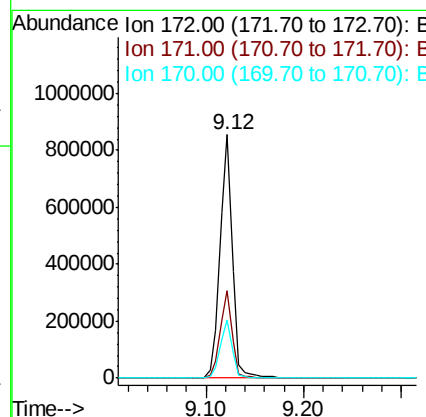
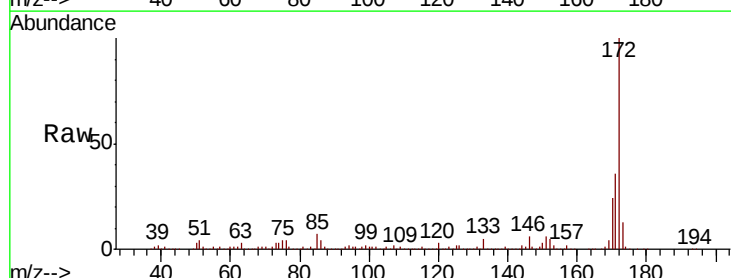
RT: 9.12 min Scan# 1196

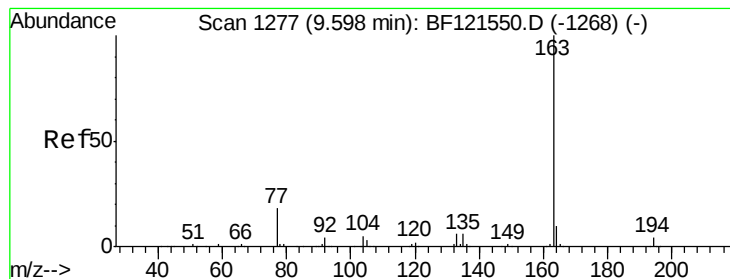
Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Tgt Ion:	172	Resp:	754288
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.1	43.7
170	24.0	19.8	29.6





#50

Dimethylphthalate

Concen: 9.917 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

BNA_F

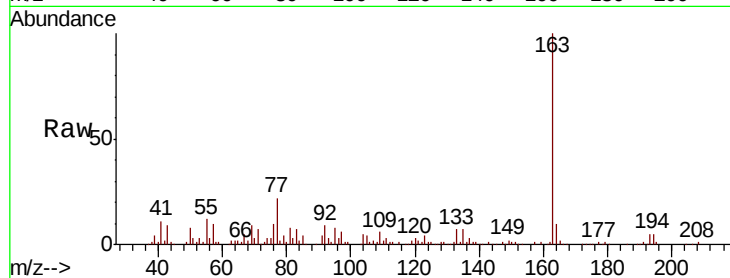
ClientSampleId :

24702

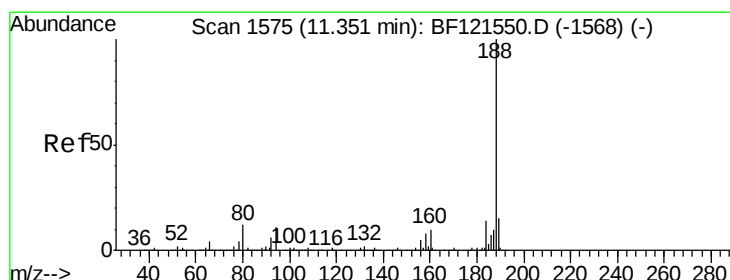
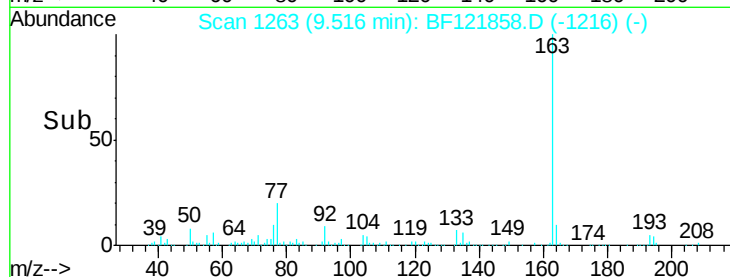
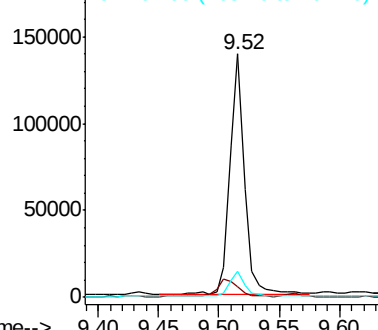
Tot Ion:	163	Resp:	119774
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.3	4.9
164	10.4	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

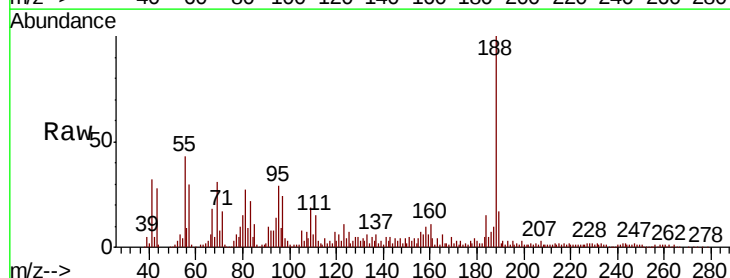
RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

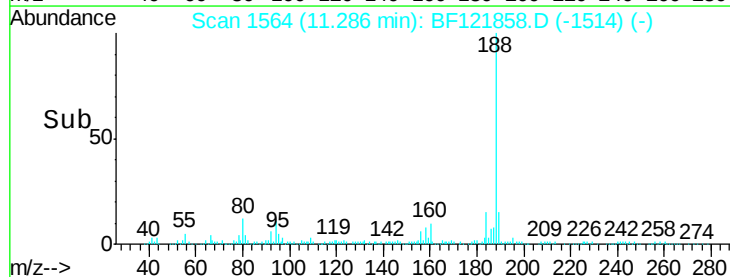
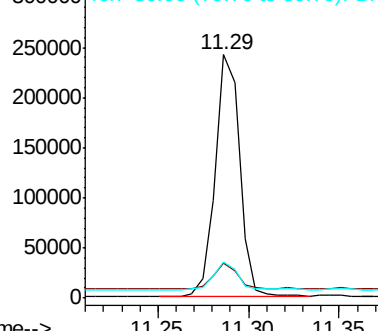
Lab File: BF121858.D

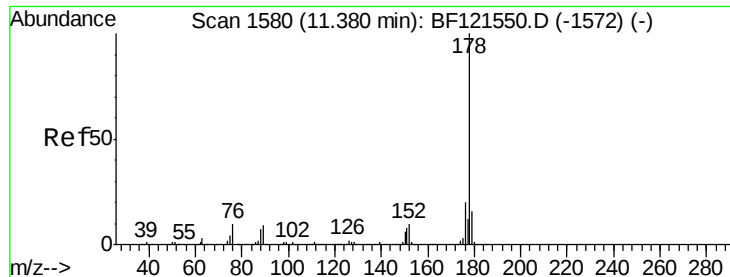
Acq: 6 Oct 2020 18:01

Tgt Ion:	188	Resp:	226140
Ion Ratio	Lower	Upper	
188	100		
94	14.3	8.3	12.5#
80	15.2	9.1	13.7#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





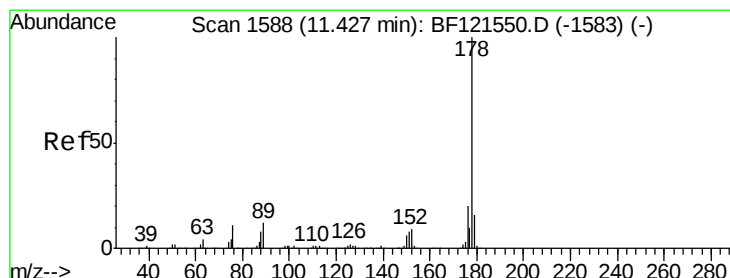
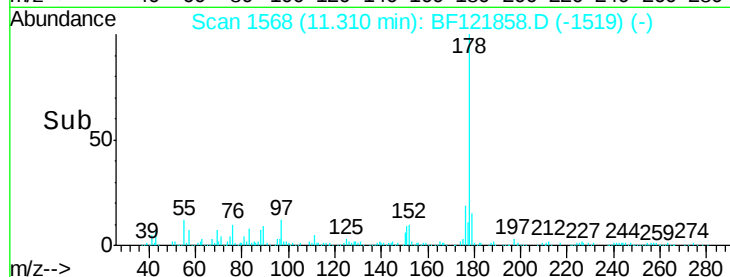
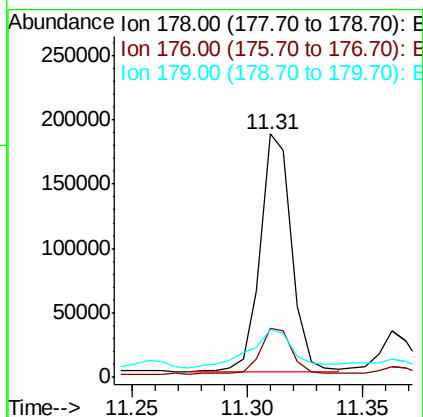
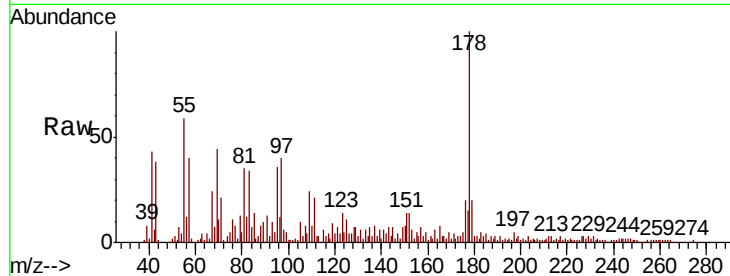
#71
Phenanthrene
Concen: 14.233 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		175364		
176	20.0	15.9	23.9		
179	19.8	12.2	18.4		

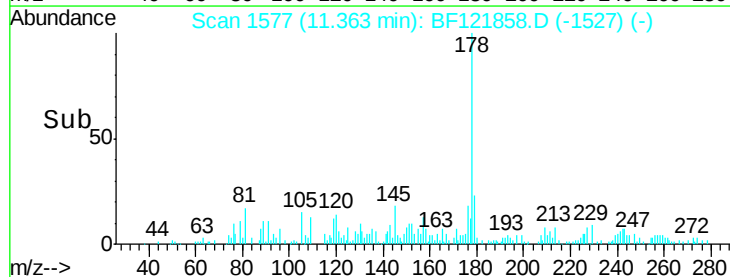
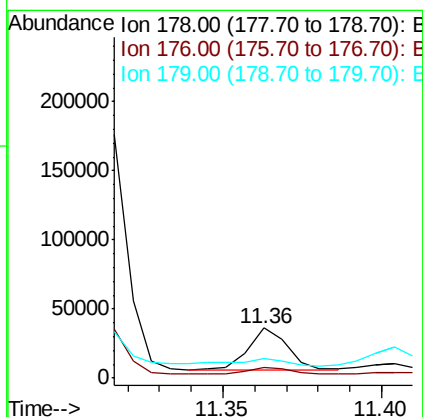
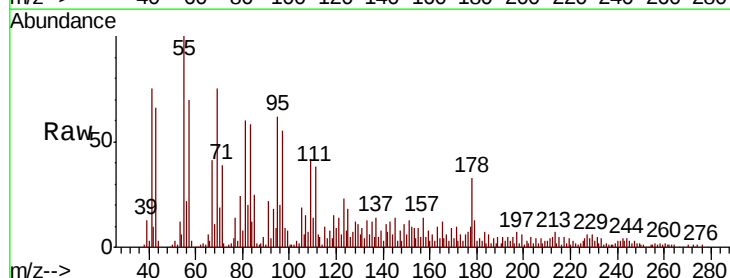
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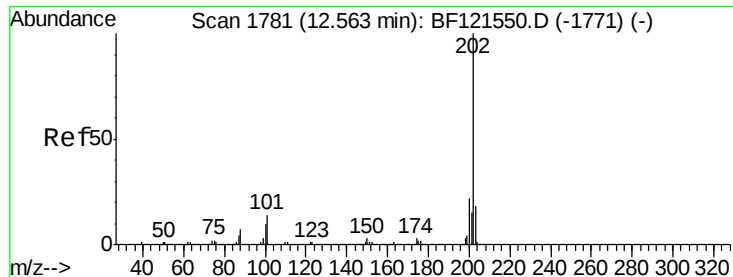
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#72
Anthracene
Concen: 2.088 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		26552		
176	22.6	15.7	23.5		
179	38.3	12.7	19.1		





#75

Fluoranthene

Concen: 29.863 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

BNA_F

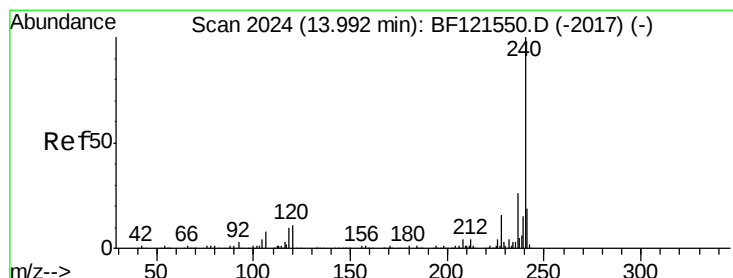
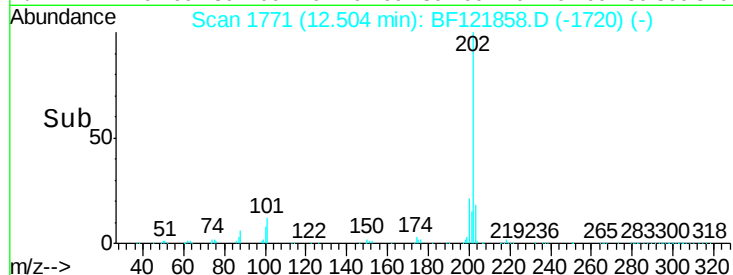
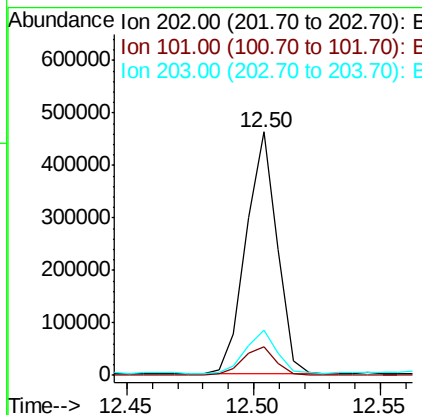
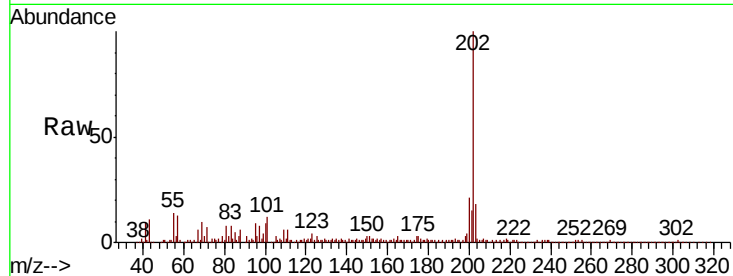
ClientSampleId :

24702

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		392771		
101	11.9	0.0	33.4		
203	18.4	0.0	37.9		

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#76

Chrysene-d12

Concen: 20.000 ng

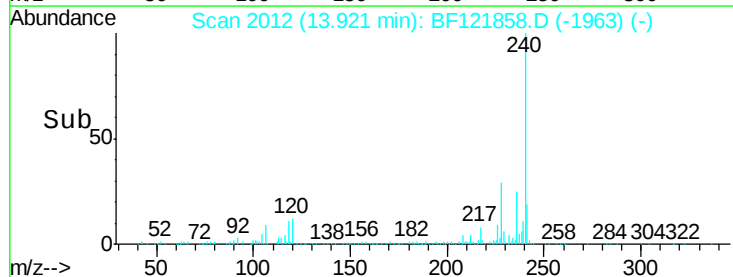
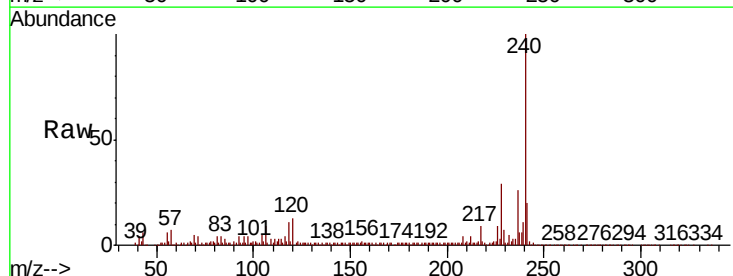
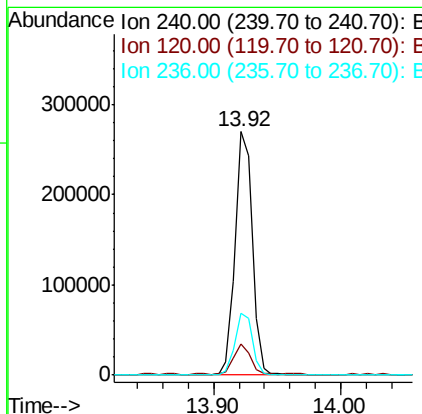
RT: 13.92 min Scan# 2012

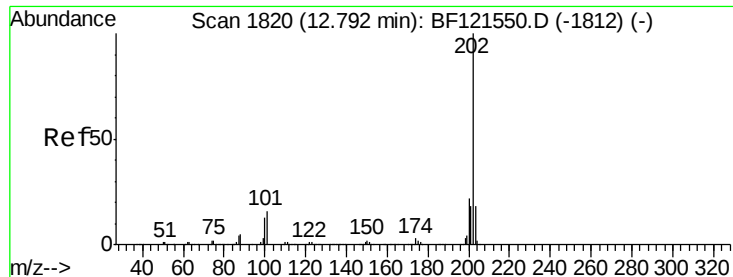
Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		250133		
120	12.7	9.2	13.8		
236	25.5	20.9	31.3		





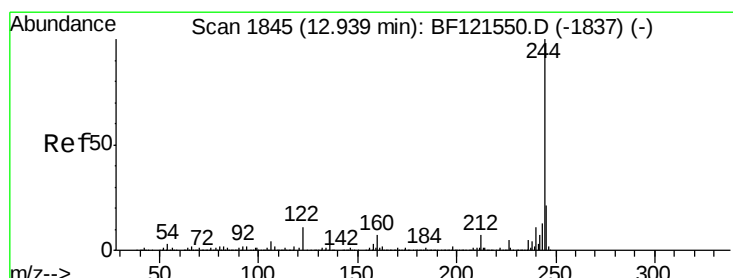
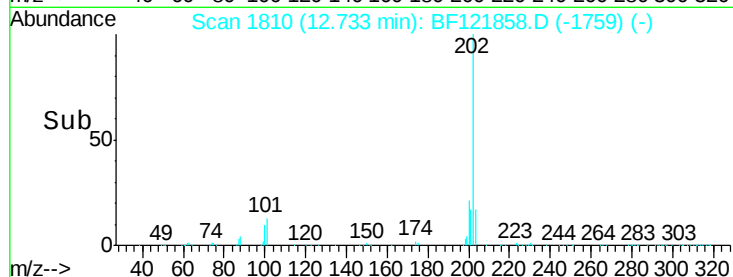
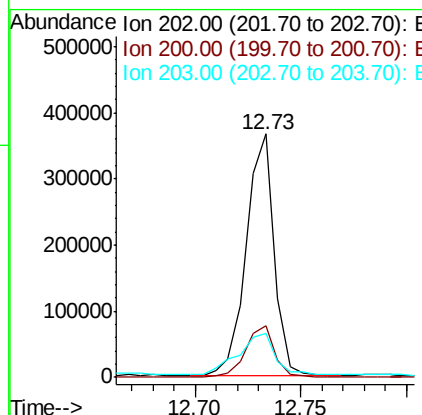
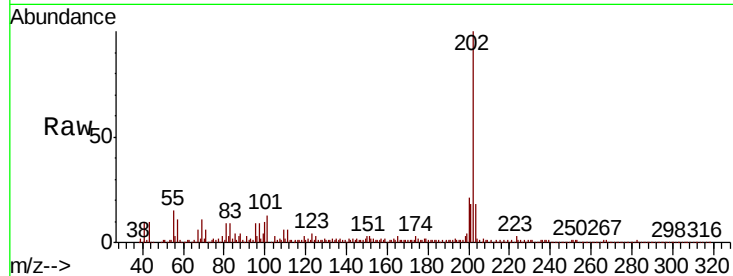
#78
Pvrene
Concen: 18.376 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Instrument :
BNA_F
ClientSampleId :
24702

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.3	14.6	21.8

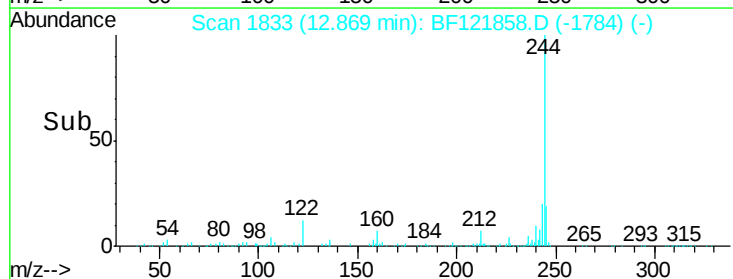
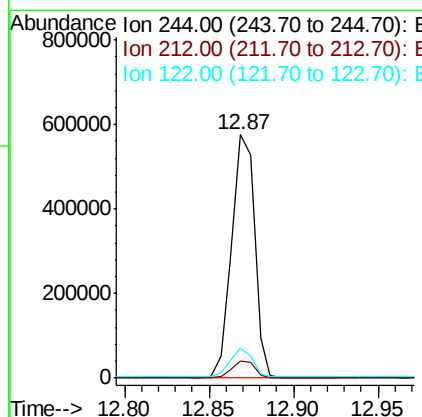
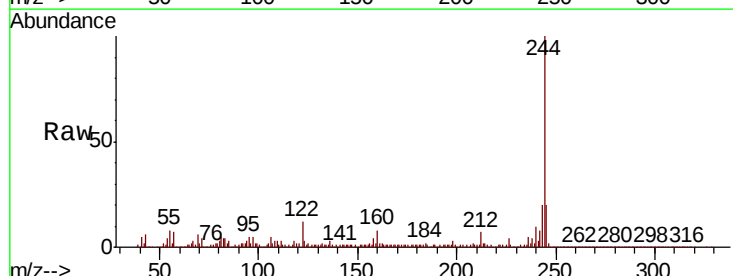
Manual Integrations
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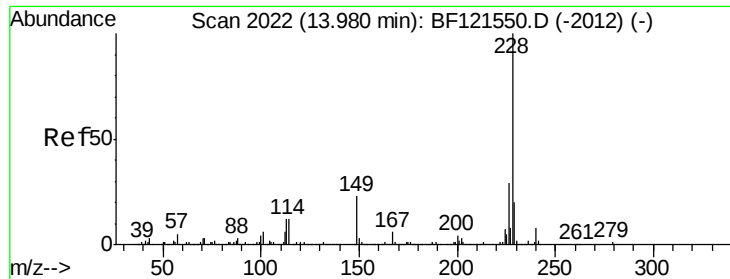
mohammad
10/7/2020 10:41:02 AM



#79
Terphenyl-d14
Concen: 44.042 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.2
122	12.2	8.1	12.1#





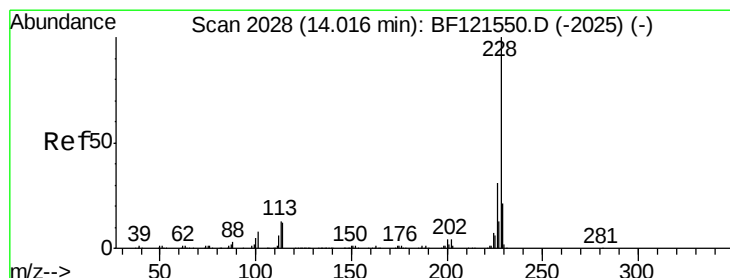
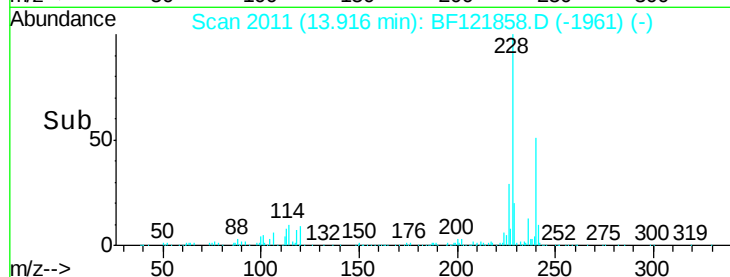
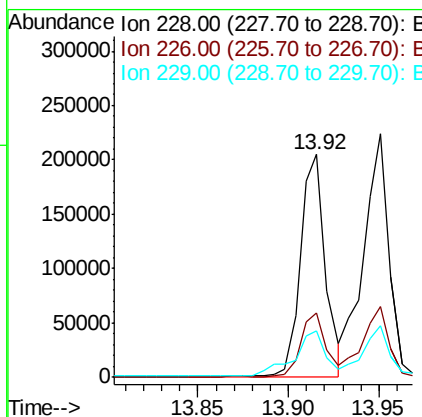
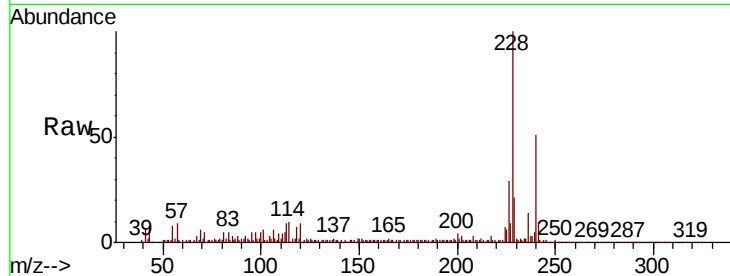
#81
Benzo(a)anthracene
Concen: 12.560 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Instrument :
BNA_F
ClientSampled :
24702

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.3	33.5
229	20.9	16.2	24.4

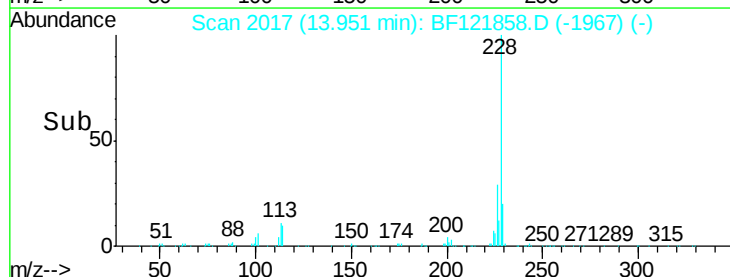
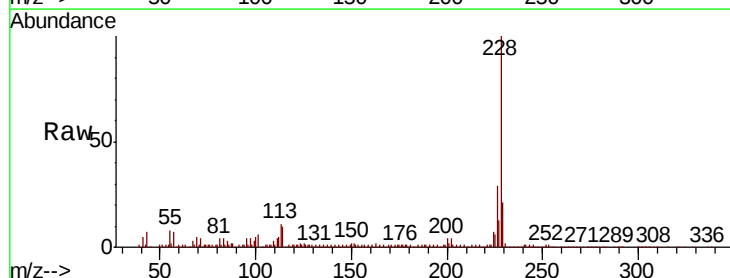
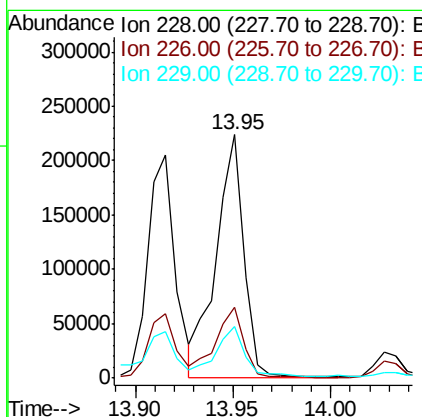
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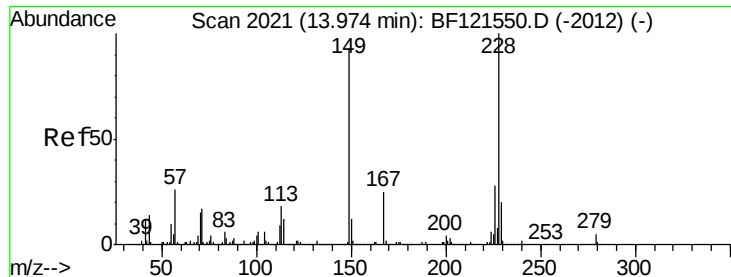
mohammad
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#83
Chrysene
Concen: 13.742 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.6	37.0
229	21.1	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.257 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Instrument :

BNA_F

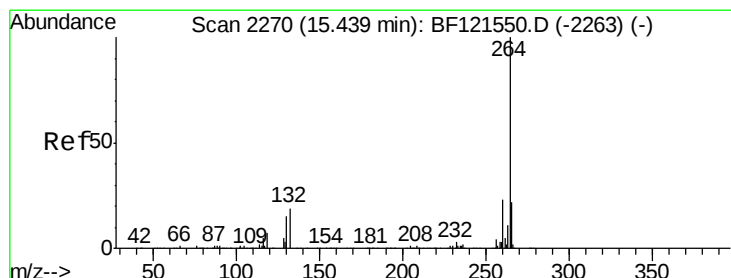
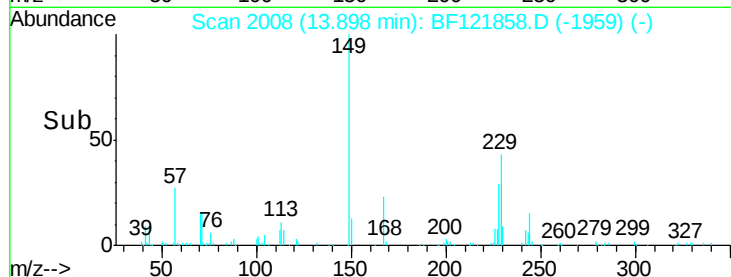
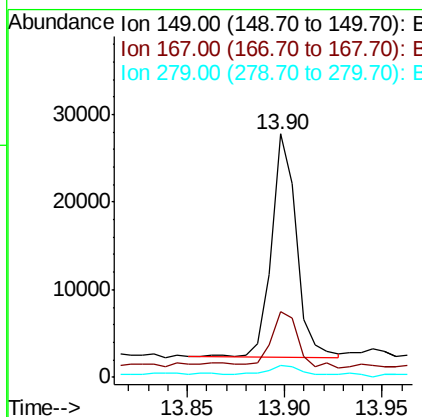
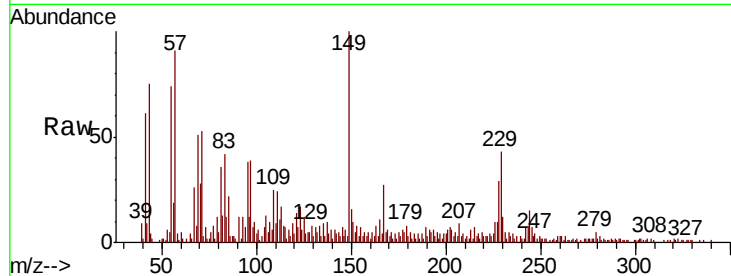
ClientSampleId :

24702

Tot Ion:	149	Resp:	22287
Ion Ratio	Lower	Upper	
149	100		
167	26.8	20.9	31.3
279	5.0	3.2	4.8#

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

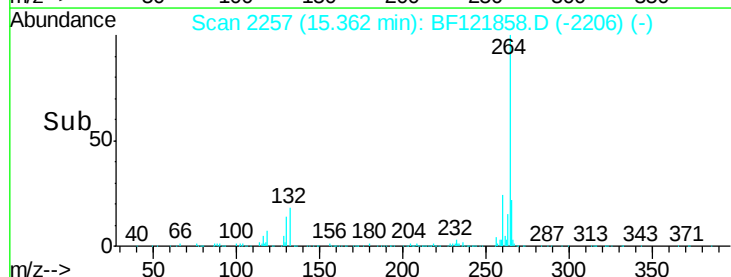
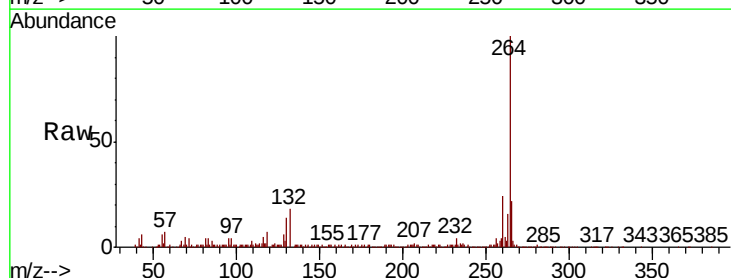
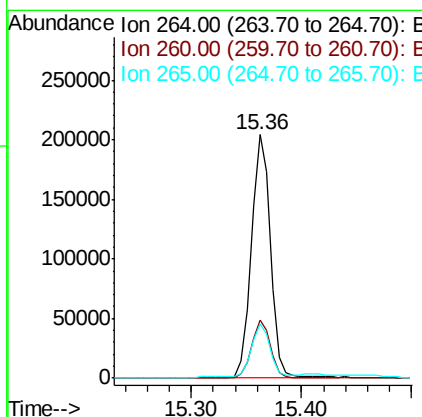
RT: 15.36 min Scan# 2257

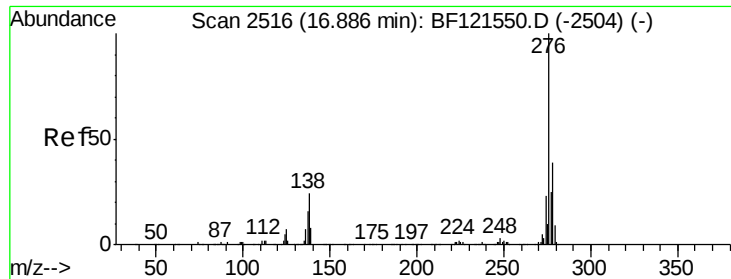
Delta R.T. 0.00 min

Lab File: BF121858.D

Acq: 6 Oct 2020 18:01

Tgt Ion:	264	Resp:	246909
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	22.2	17.3	25.9





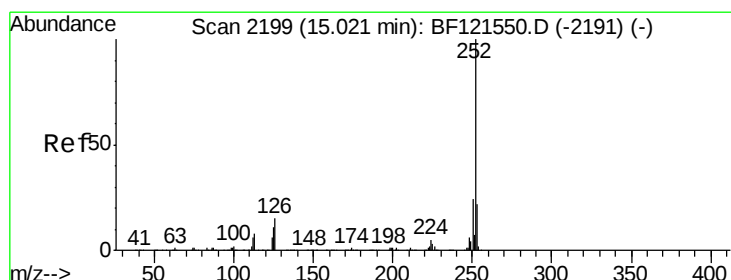
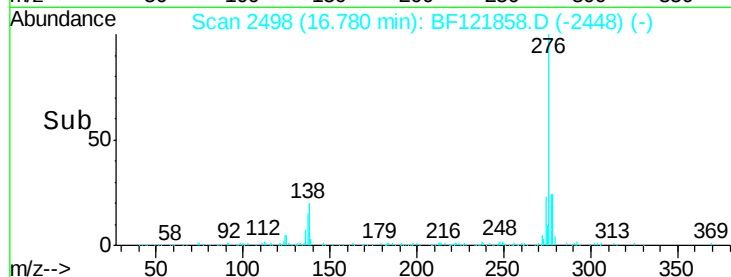
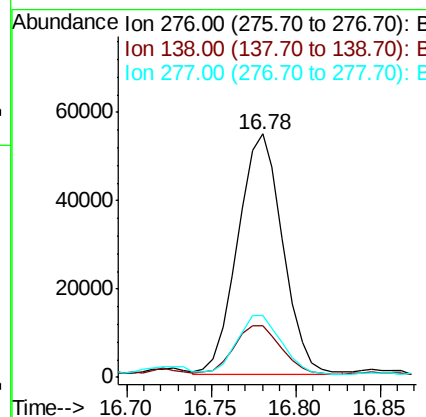
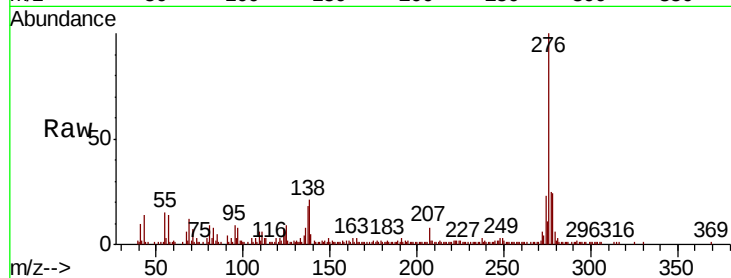
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.319 ng
 RT: 16.78 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

Instrument :
 BNA_F
 ClientSampleId :
 24702

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.9	29.9
277	24.2	20.4	30.6

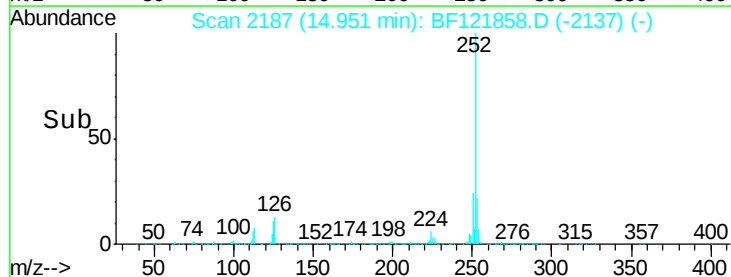
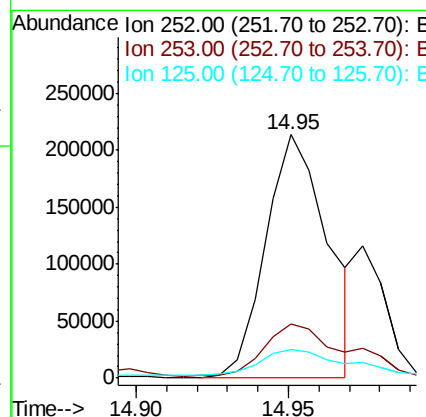
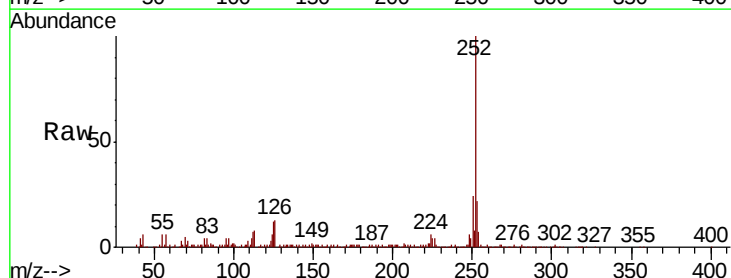
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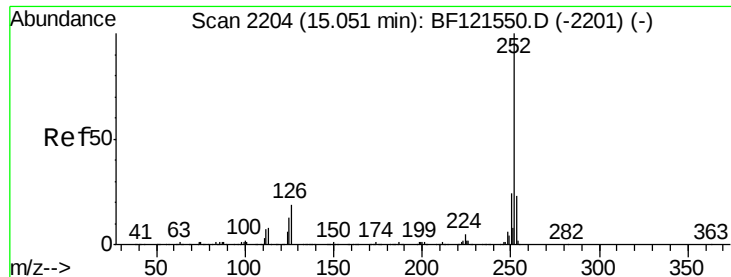
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#88
 Benzo(b)fluoranthene
 Concen: 18.315 ng m
 RT: 14.95 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BF121858.D
 Acq: 6 Oct 2020 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	12.0	8.0	12.0





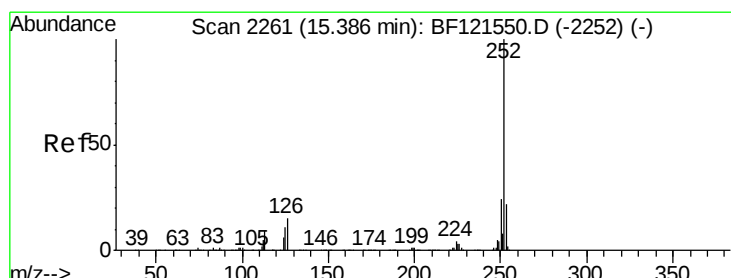
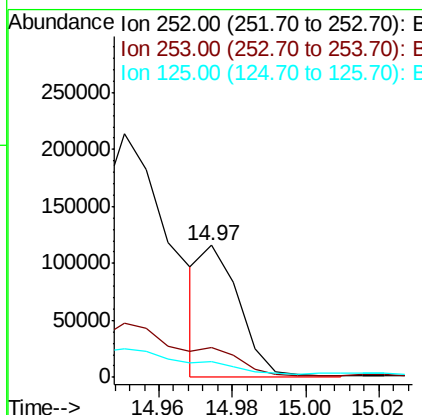
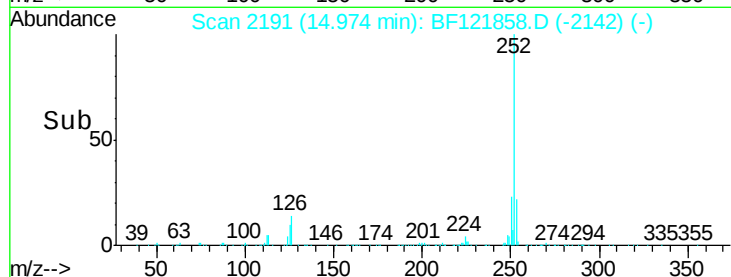
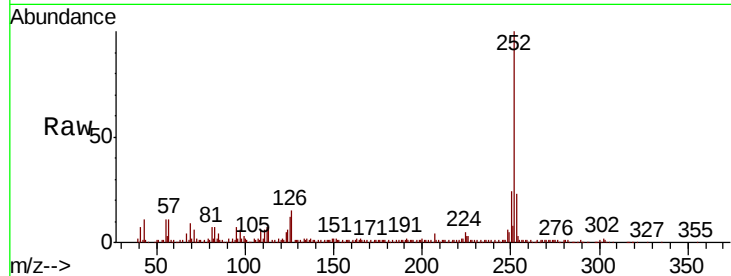
#89
Benzo(k)fluoranthene
Concen: 5.492 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Instrument :
BNA_F
ClientSampled :
24702

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	12.3	7.7	11.5

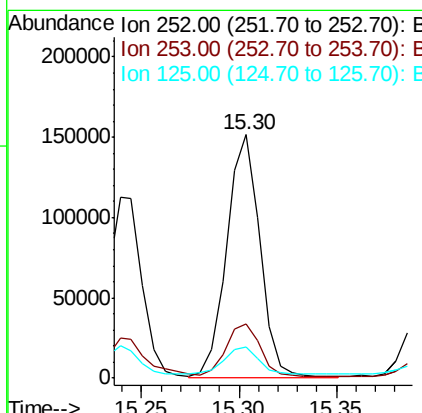
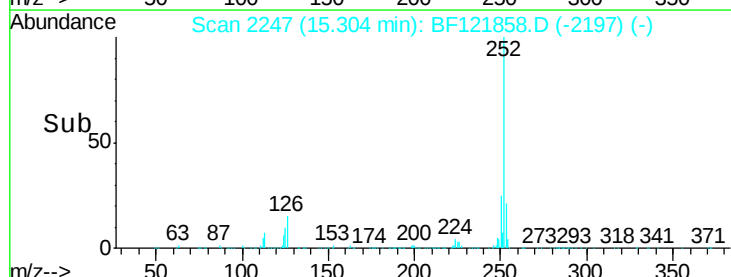
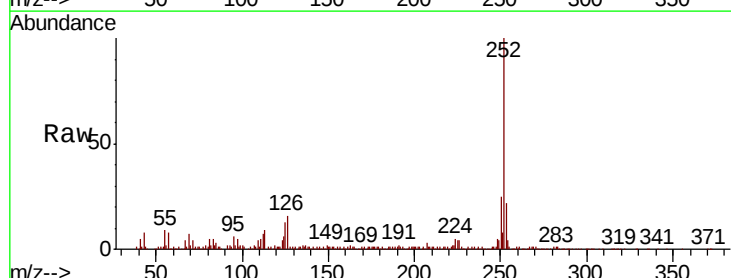
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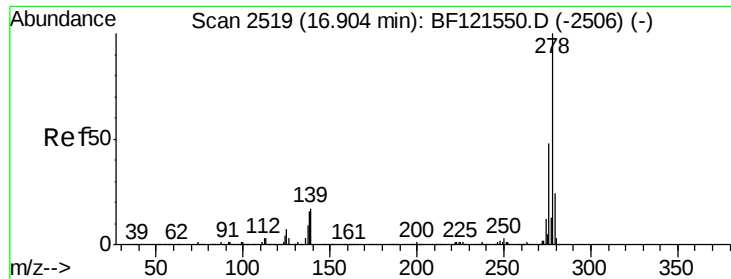
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#90
Benzo(a)pyrene
Concen: 12.609 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	12.6	8.6	13.0





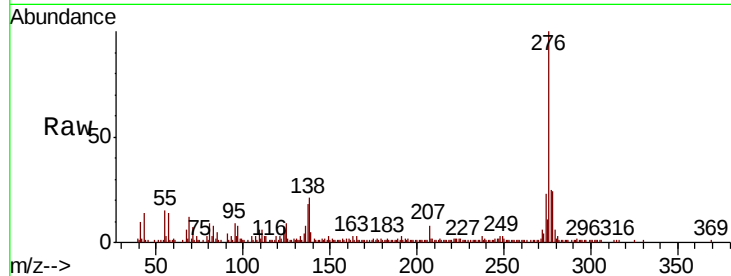
#91
Dibenzo(a,h)anthracene
Concen: 2.097 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.02 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Instrument :
BNA_F
ClientSampleId :
24702

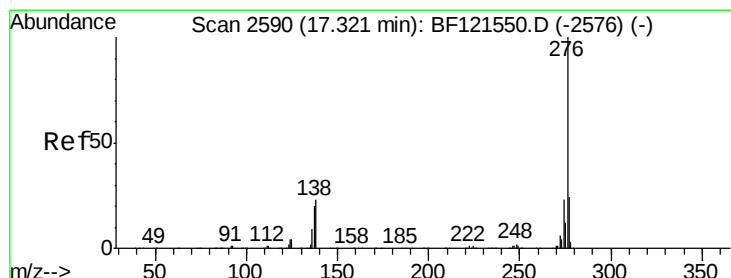
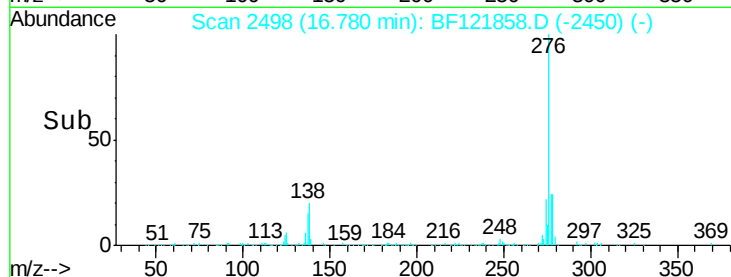
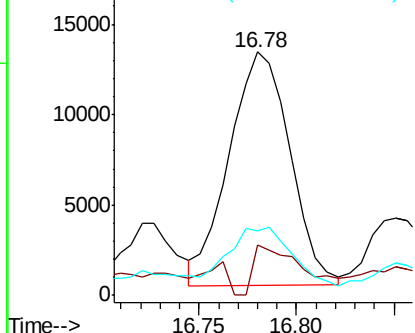
Tot Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.0	19.4#
279	26.4	19.0	28.4

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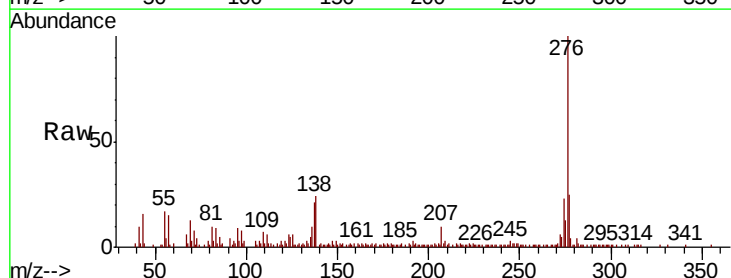


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.029 ng
RT: 17.20 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BF121858.D
Acq: 6 Oct 2020 18:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.2
138	24.4	17.8	26.6



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

