

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121772.D
 Acq On : 1 Oct 2020 17:43
 Operator : JU/CG
 Sample : L4179-12 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-11(9-11)

Manual Integrations
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Quant Time: Oct 01 18:17:08 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	6.77	152	146473	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	564967	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	271238	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	453818	20.00	ng	0.00
76) Chrysene-d12	13.93	240	309650	20.00	ng	0.00
86) Perylene-d12	15.37	264	337951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	56260	5.71	ng	0.00
7) Phenol-d6	6.40	99	73727	5.70	ng	-0.01
23) Nitrobenzene-d5	7.33	82	45800	4.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	15556	4.61	ng	-0.01
45) 2-Fluorobiphenyl	9.13	172	93555	5.22	ng	0.00
79) Terphenyl-d14	12.87	244	73967	4.84	ng	-0.01
Target Compounds						
52) Acenaphthene	9.84	154	39407	2.373	ng	99
58) Fluorene	10.35	166	51703	2.891	ng	100
71) Phenanthrene	11.32	178	596456	24.123	ng	99
72) Anthracene	11.36	178	158914	6.228	ng	98
73) Carbazole	11.52	167	67430	2.928	ng	96
75) Fluoranthene	12.50	202	702464	26.614	ng	99
78) Pyrene	12.73	202	570854	25.232	ng	99
81) Benzo(a)anthracene	13.92	228	314231	16.040	ng	99
83) Chrysene	13.95	228	246966	12.449	ng	98
87) Indeno(1,2,3-cd)pyrene	16.77	276	170662	7.754	ng	97
88) Benzo(b)fluoranthene	14.95	252	348434m	15.423	ng	
89) Benzo(k)fluoranthene	14.97	252	115090m	5.563	ng	
90) Benzo(a)pyrene	15.30	252	254544	13.255	ng	96
91) Dibenzo(a,h)anthracene	16.78	278	44866	2.449	ng	# 88
92) Benzo(a,h,i)perylene	17.20	276	157971	8.772	ng	100

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

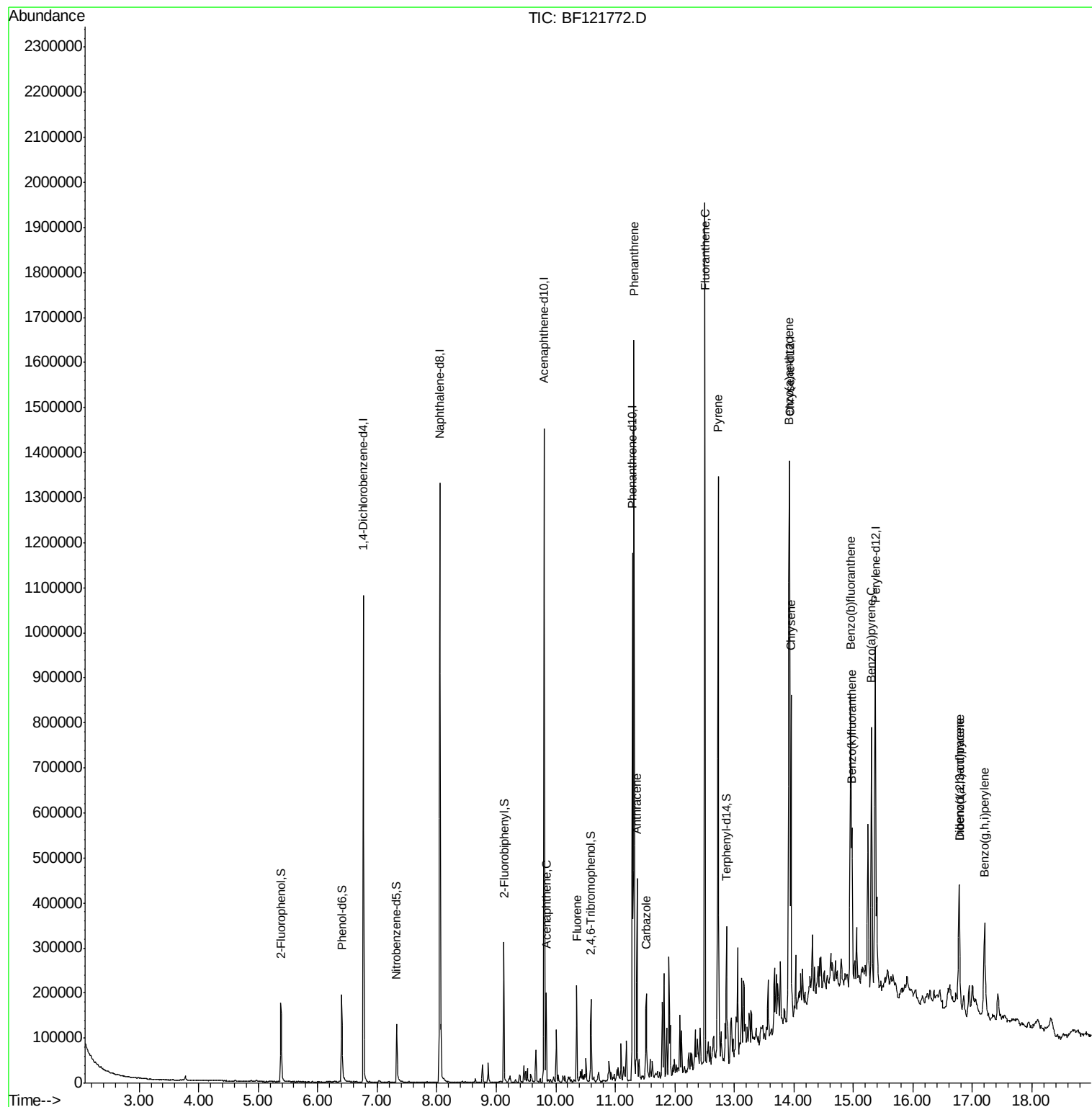
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
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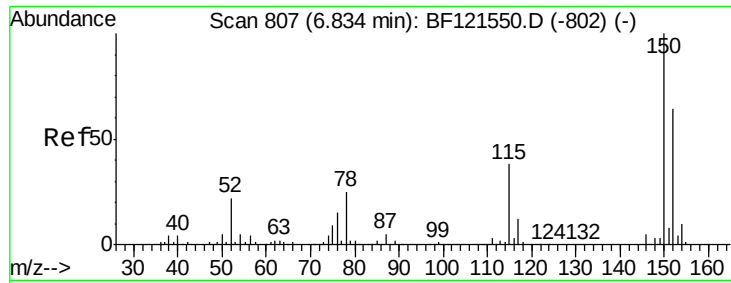
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Quant Time: Oct 01 18:17:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

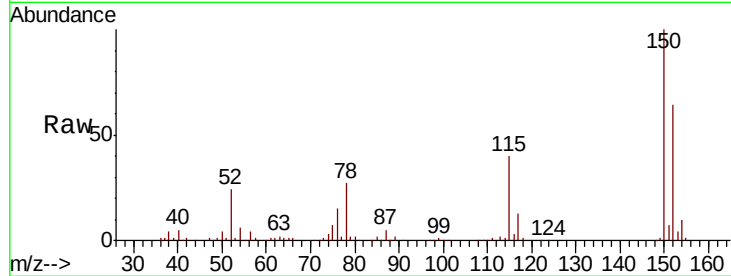
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Instrument :
BNA_F
ClientSampleId :
B-11(9-11)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.3	187.9
115	62.3	51.9	77.9

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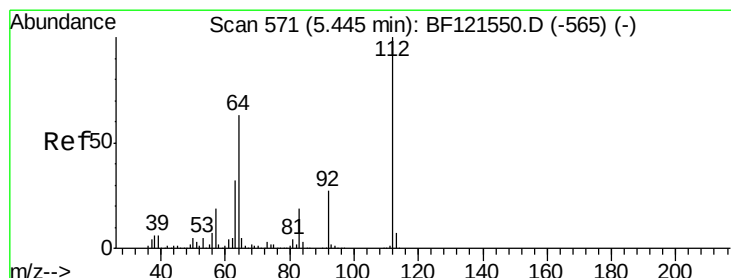
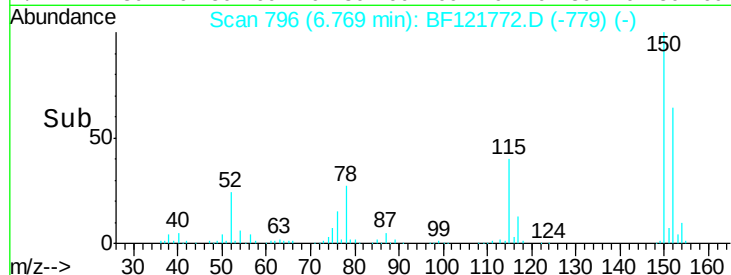
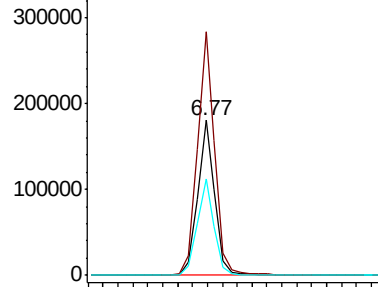


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

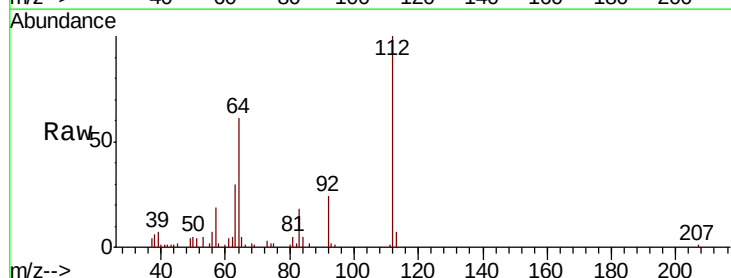
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 5.708 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	50.4	75.6
63	30.4	25.8	38.6

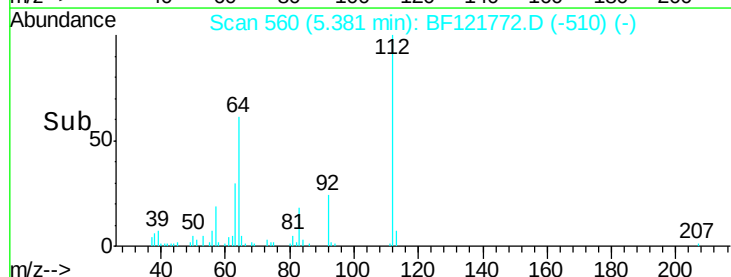
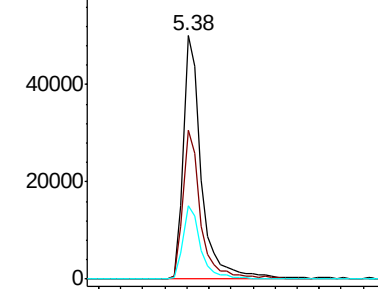


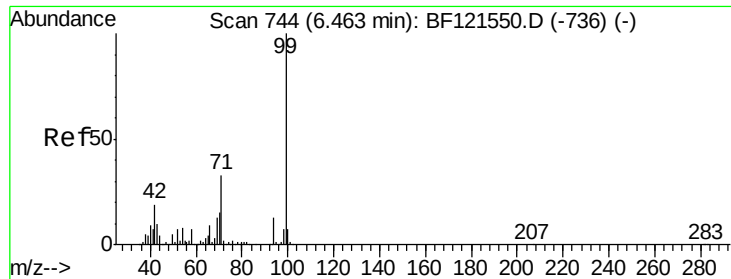
Abundance

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: 5.702 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121772.D

Acq: 1 Oct 2020 17:43

Instrument :

BNA_F

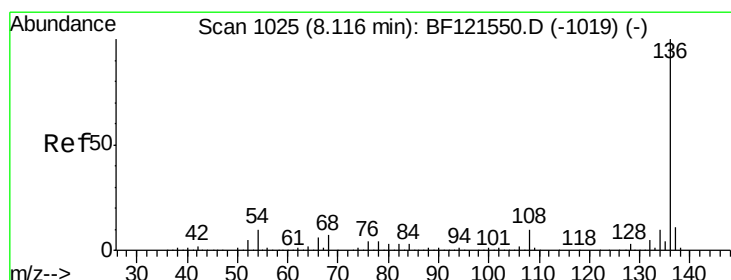
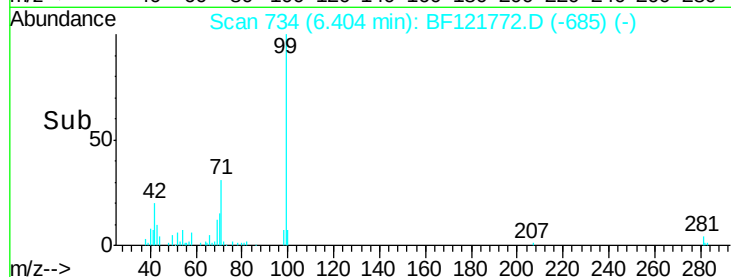
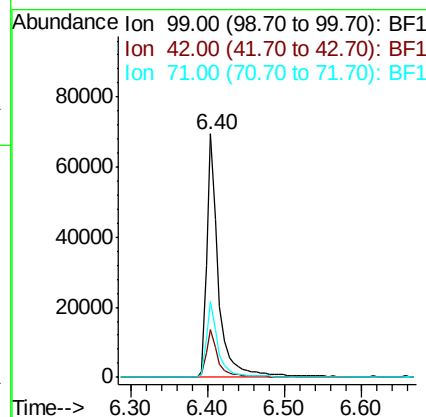
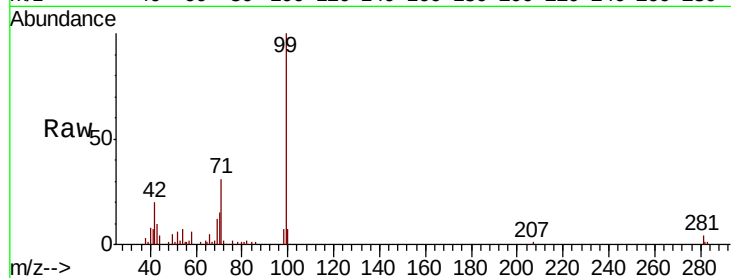
ClientSampleId :

B-11(9-11)

Tot Ion:	99	Resp:	73727
Ion Ratio	Lower	Upper	
99	100		
42	19.6	15.9	23.9
71	31.1	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

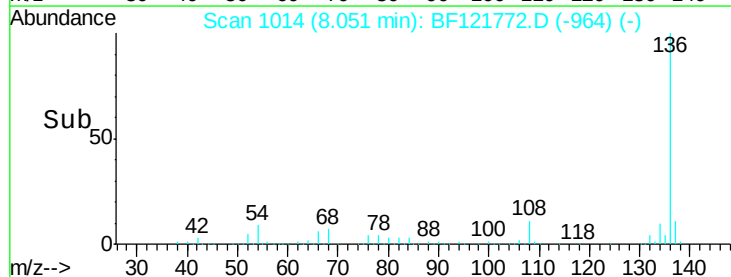
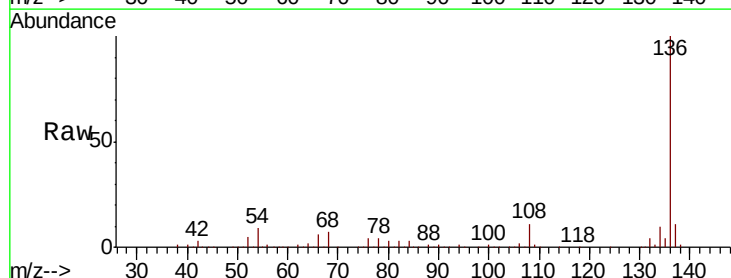
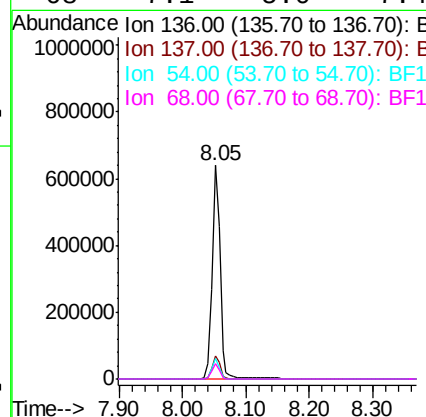
RT: 8.05 min Scan# 1014

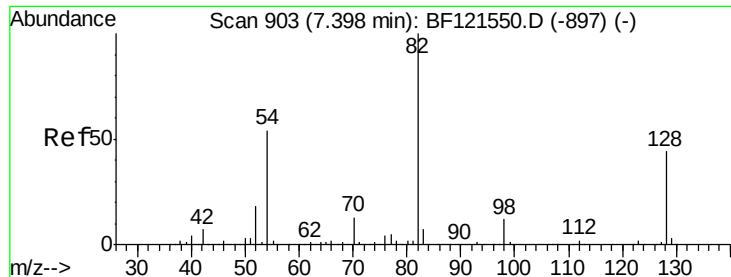
Delta R.T. -0.01 min

Lab File: BF121772.D

Acq: 1 Oct 2020 17:43

Tgt Ion:	136	Resp:	564967
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.5	7.1	10.7
68	7.1	5.0	7.4





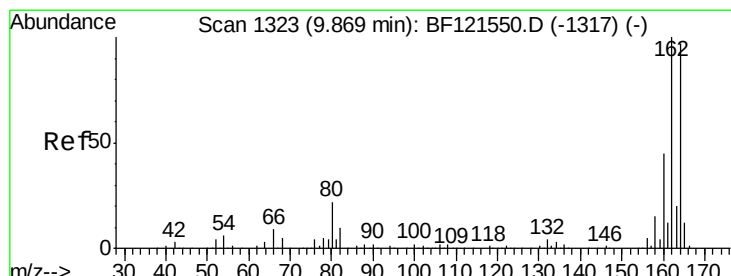
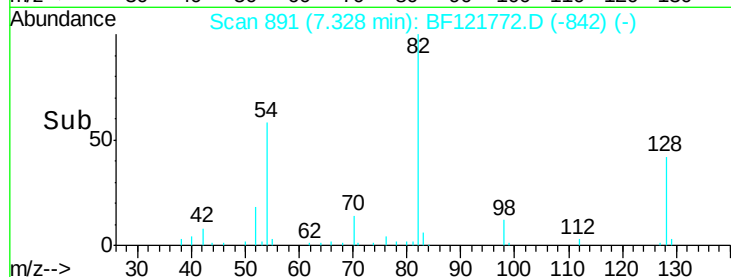
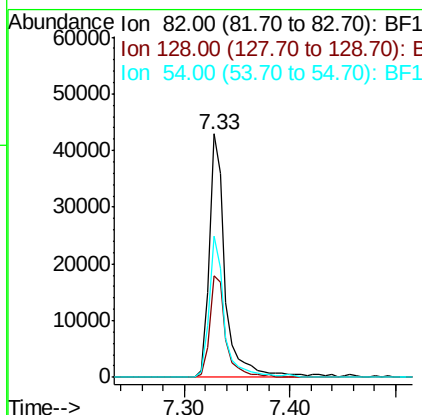
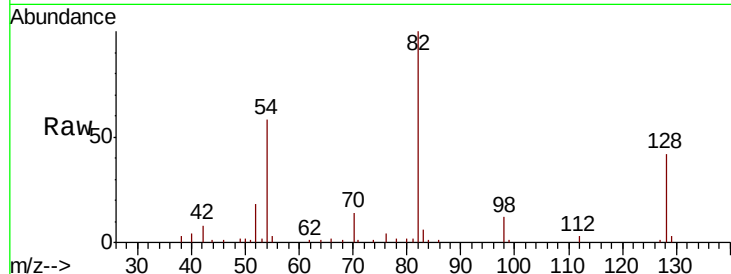
#23
 Nitrobenzene-d5
 Concen: 4.353 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Instrument :
 BNA_F
 ClientSampleId :
 B-11(9-11)

Tot Ion:	82	Resp:	45800
Ion Ratio	Lower	Upper	
82	100		
128	41.6	35.0	52.4
54	57.9	43.9	65.9

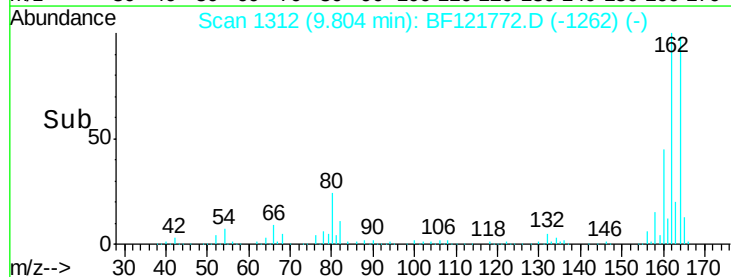
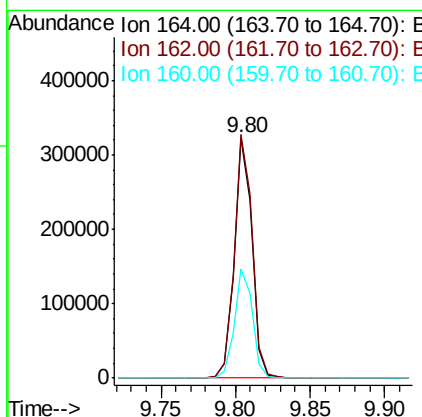
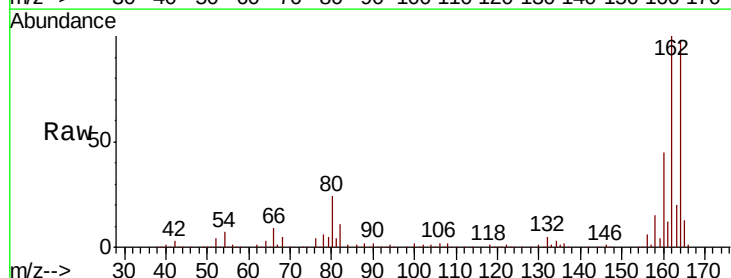
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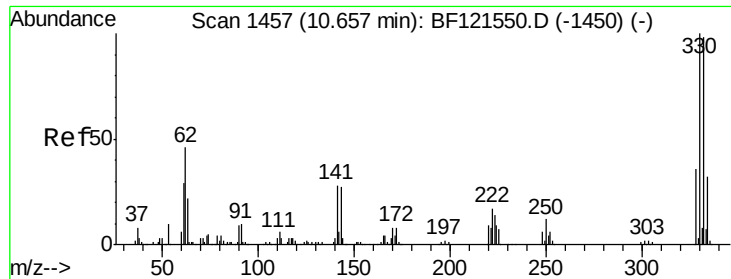
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion:	164	Resp:	271238
Ion Ratio	Lower	Upper	
164	100		
162	101.5	83.2	124.8
160	45.7	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 4.614 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121772.D

Acq: 1 Oct 2020 17:43

Instrument :

BNA_F

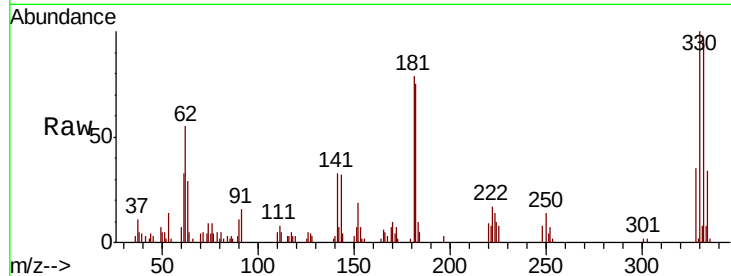
ClientSampleId :

B-11(9-11)

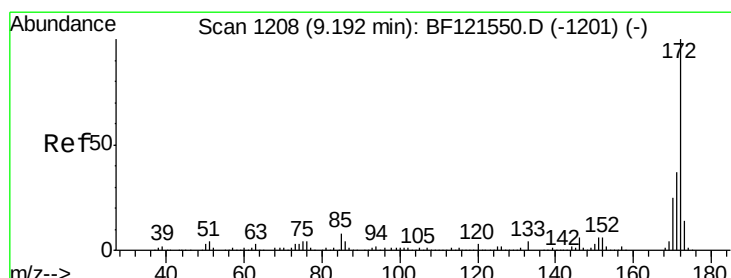
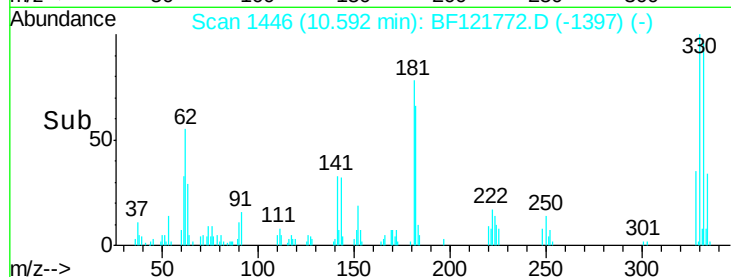
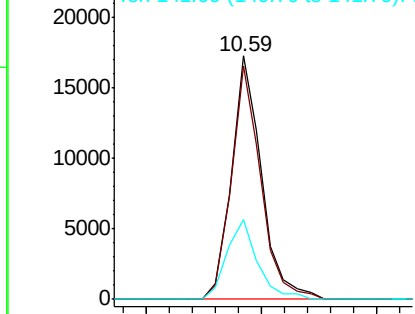
Tot Ion:	330	Resp:	15556
Ion Ratio	Lower	Upper	
330	100		
332	94.1	77.3	115.9
141	33.2	22.3	33.5

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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: 5.224 ng

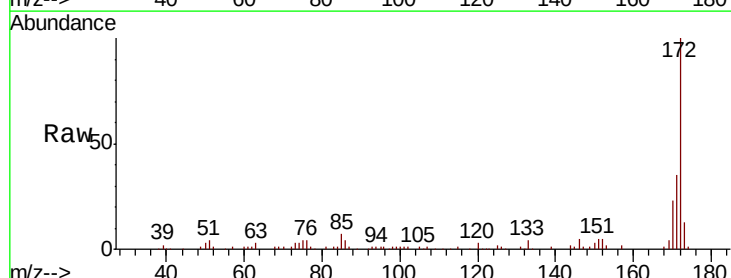
RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

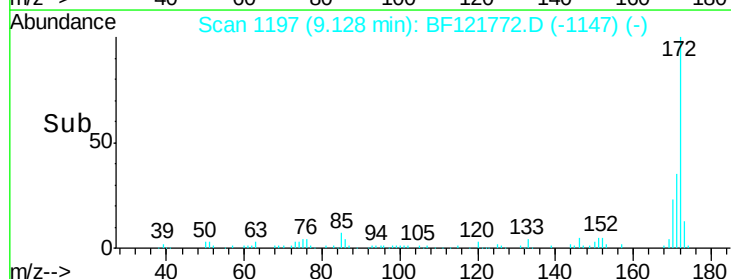
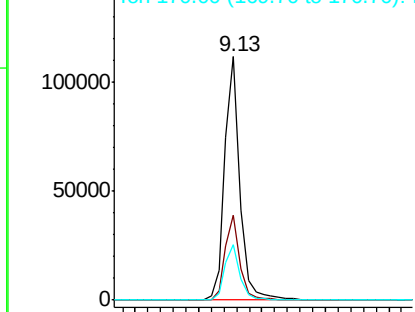
Lab File: BF121772.D

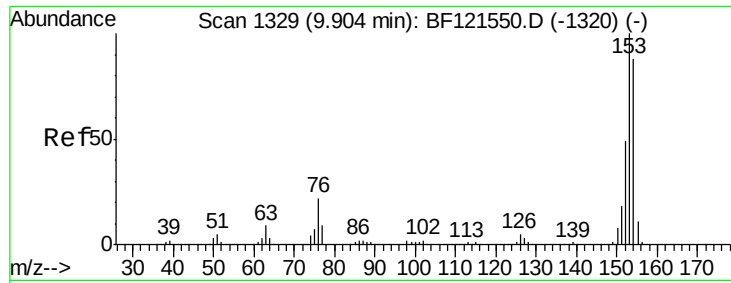
Acq: 1 Oct 2020 17:43

Tgt Ion:	172	Resp:	93555
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.1	43.7
170	22.6	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





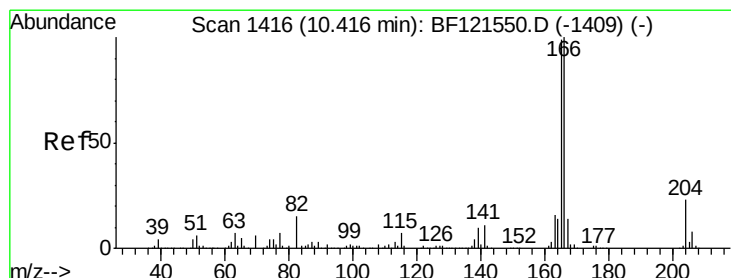
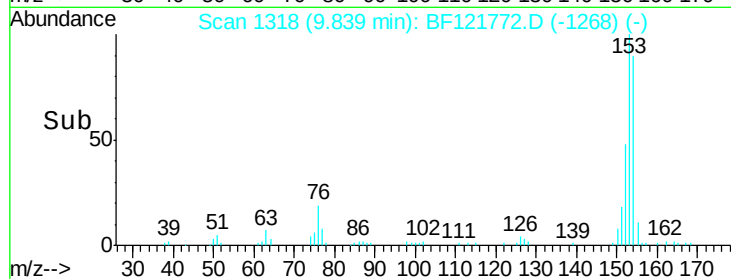
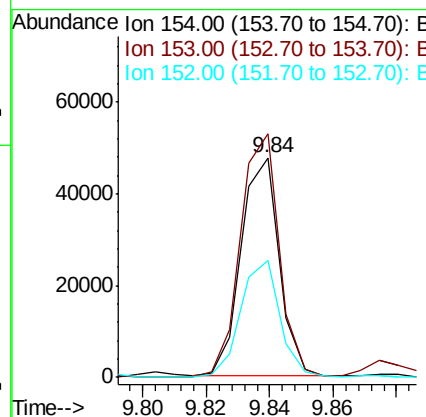
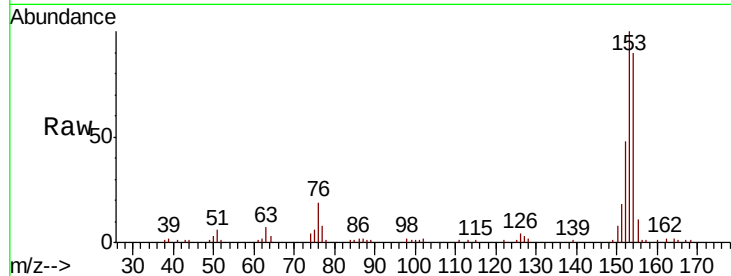
#52
Acenaphthene
Concen: 2.373 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Instrument :
BNA_F
ClientSampleId :
B-11(9-11)

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.9	89.8	134.8
152	53.4	43.2	64.8

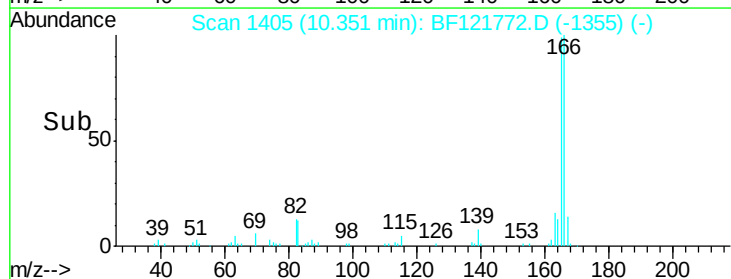
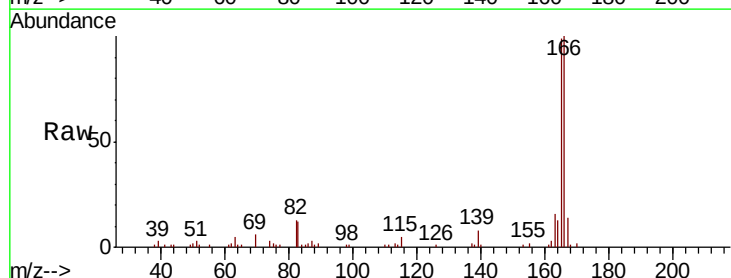
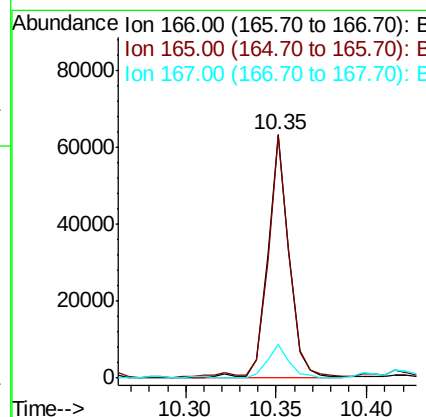
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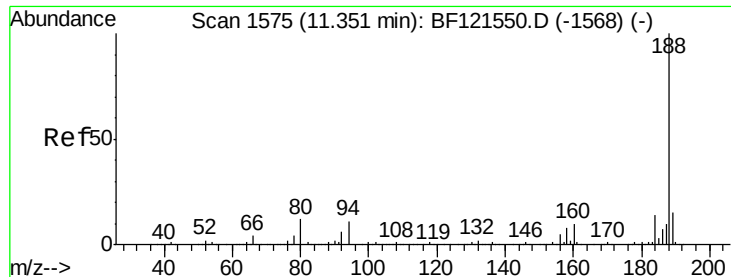
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#58
Fluorene
Concen: 2.891 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.1	118.7
167	13.8	11.0	16.6





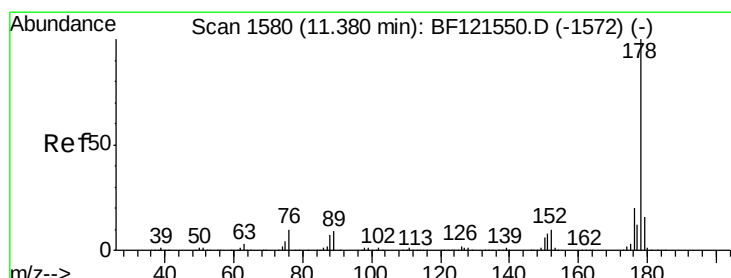
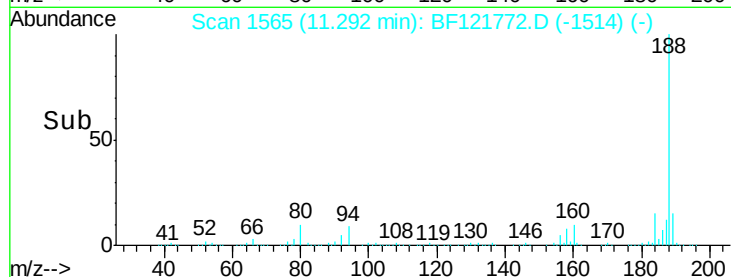
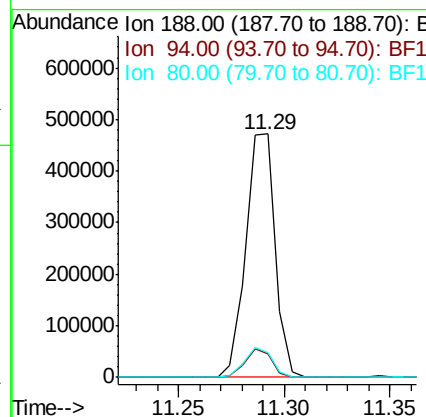
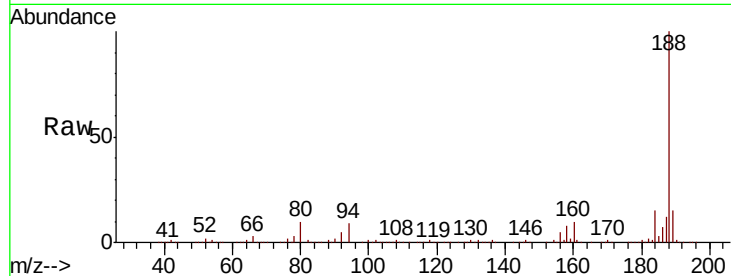
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Instrument :
BNA_F
ClientSampleId :
B-11(9-11)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	453818		
94	9.5		8.3	12.5
80	10.1		9.1	13.7

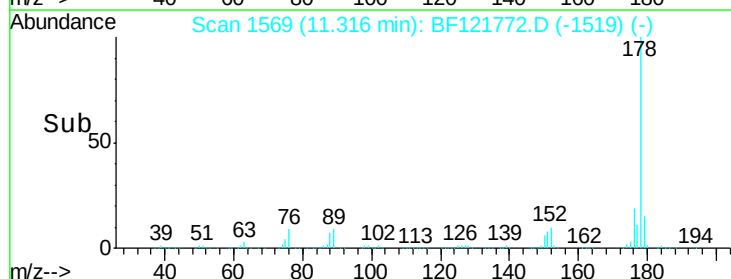
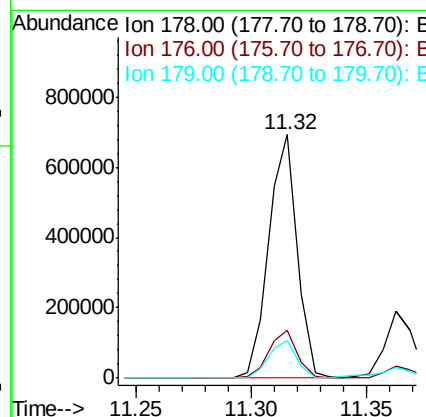
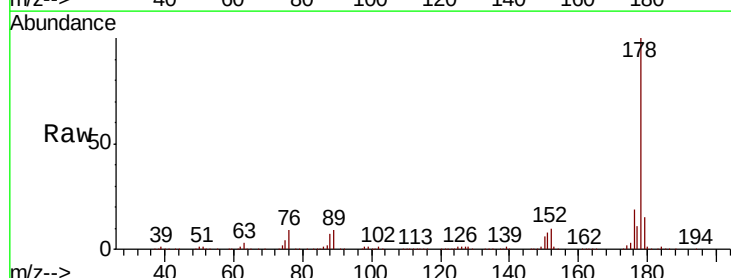
Manual Integrations
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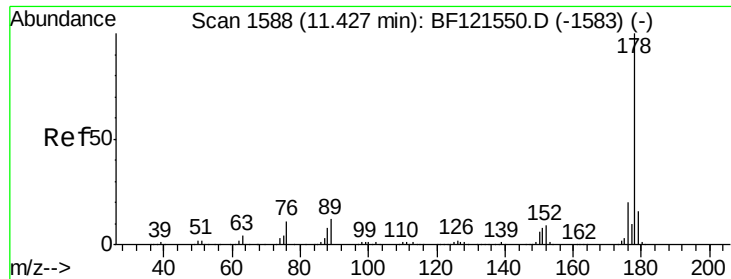
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#71
Phenanthrene
Concen: 24.123 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	596456		
176	19.4		15.9	23.9
179	15.2		12.2	18.4





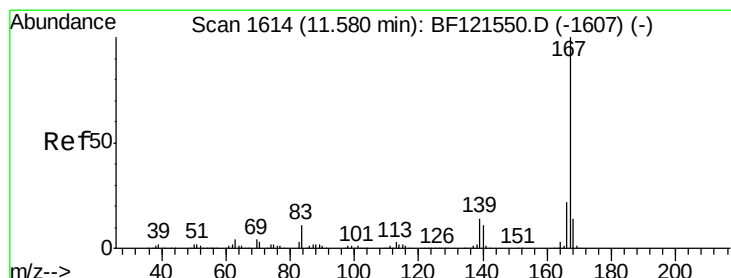
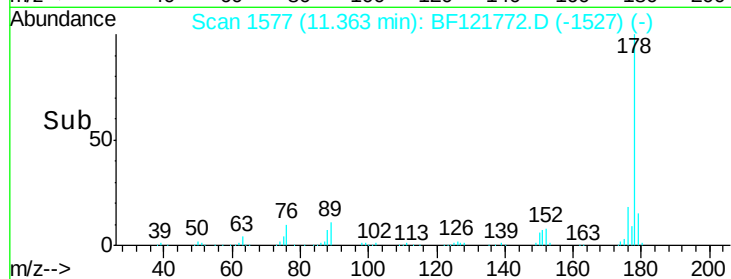
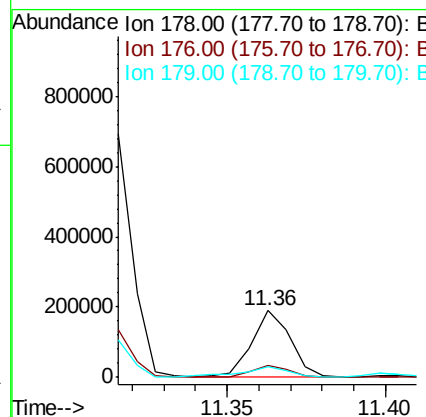
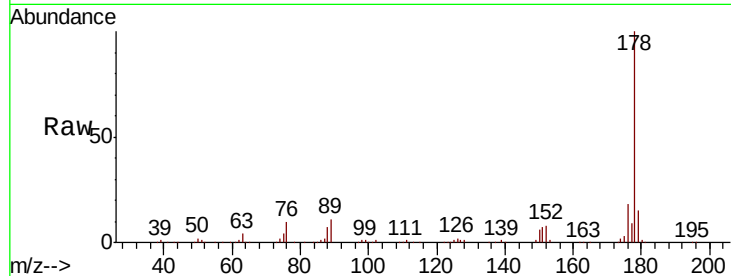
#72
 Anthracene
 Concen: 6.228 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Instrument :
 BNA_F
 ClientSampleId :
 B-11(9-11)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	15.4	12.7	19.1

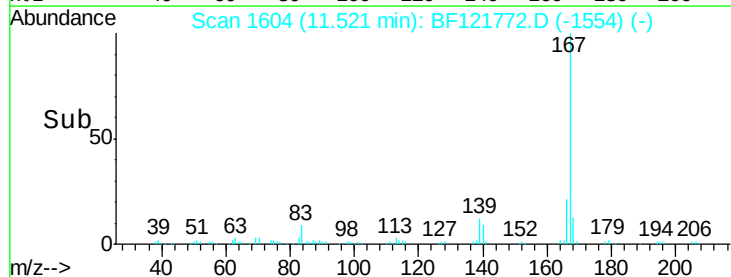
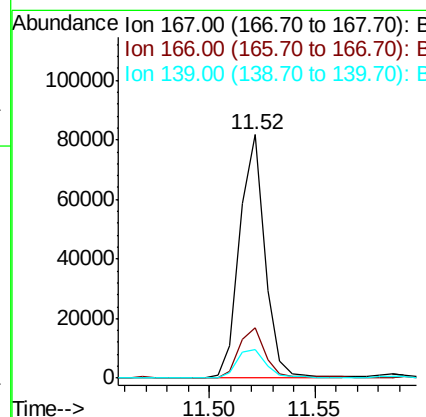
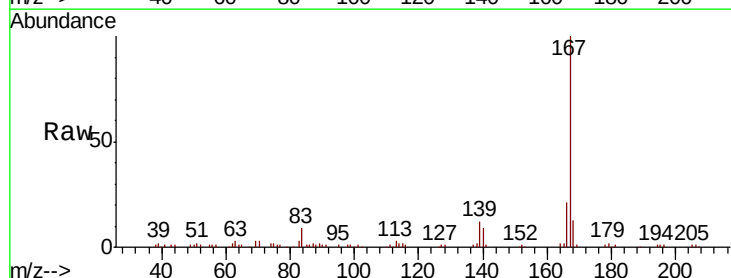
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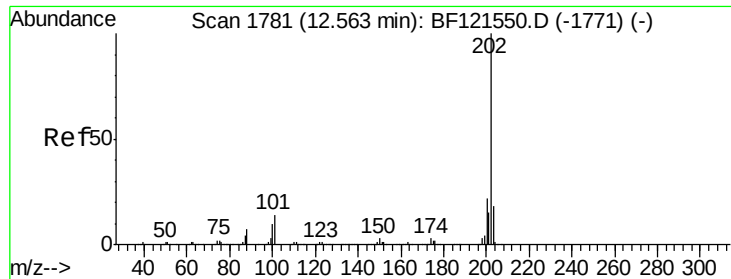
mohammad
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#73
 Carbazole
 Concen: 2.928 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.8	26.6
139	11.7	10.8	16.2





#75

Fluoranthene

Concen: 26.614 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121772.D

Acq: 1 Oct 2020 17:43

Instrument :

BNA_F

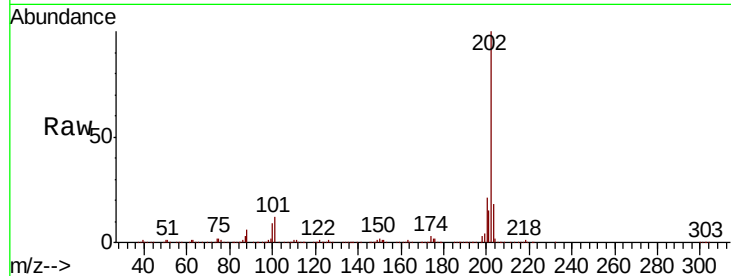
ClientSampled :

B-11(9-11)

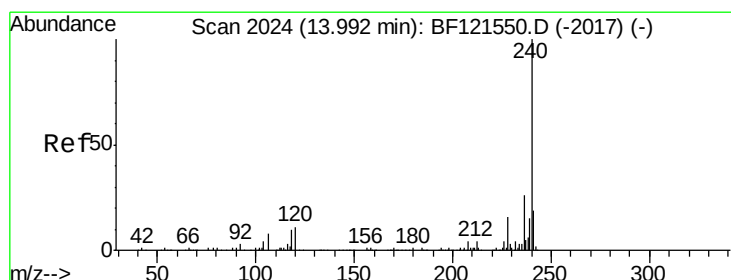
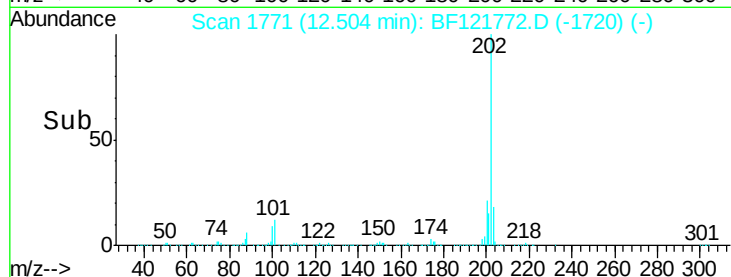
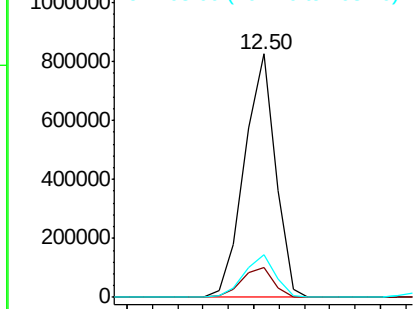
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		702464		
101	12.5	0.0	33.4		
203	17.7	0.0	37.9		

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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

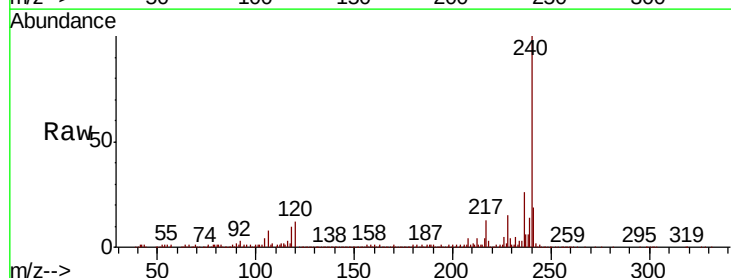
RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

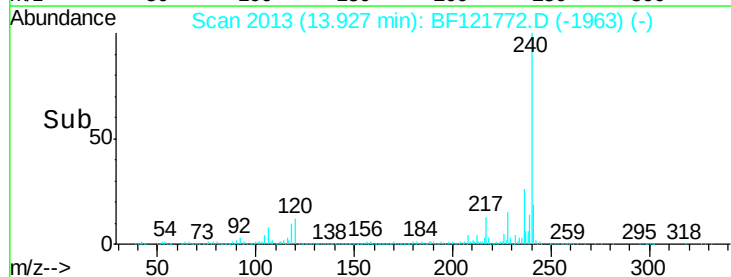
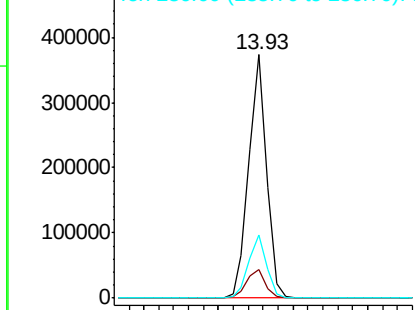
Lab File: BF121772.D

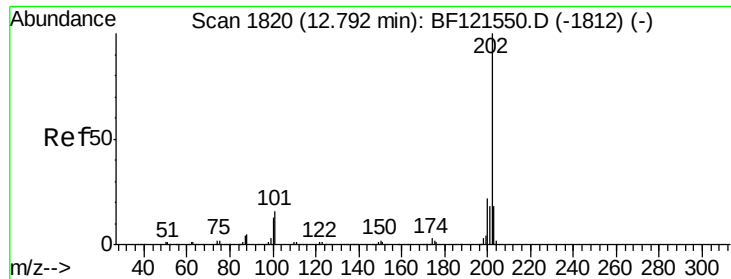
Acq: 1 Oct 2020 17:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		309650		
120	11.5	9.2	13.8		
236	26.0	20.9	31.3		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





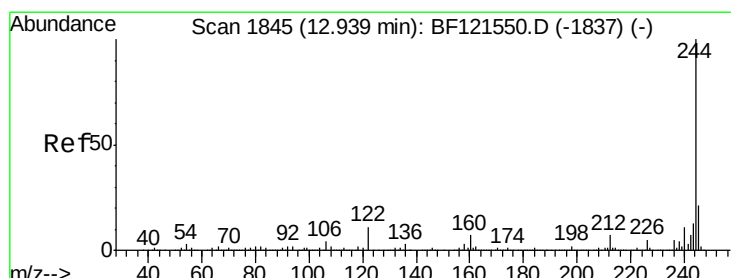
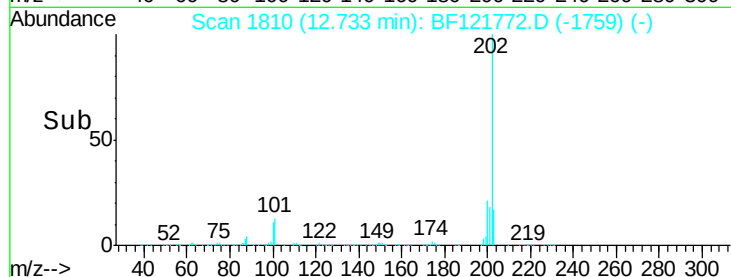
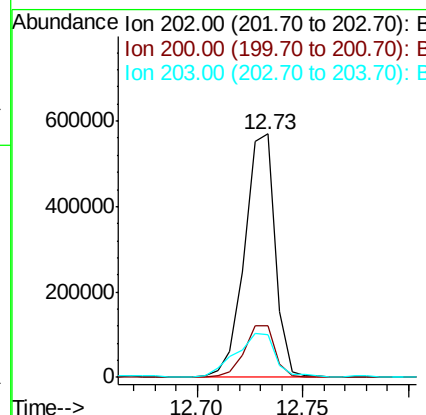
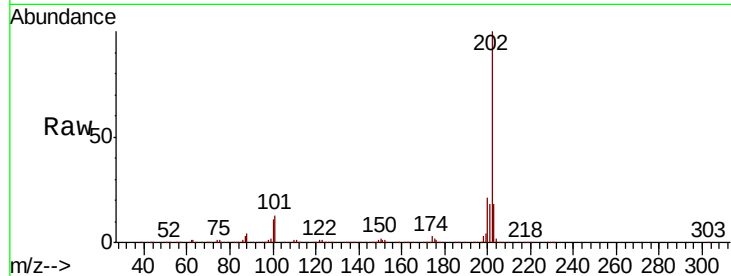
#78
Pvrene
Concen: 25.232 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Instrument :
BNA_F
ClientSampleId :
B-11(9-11)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.6	21.8

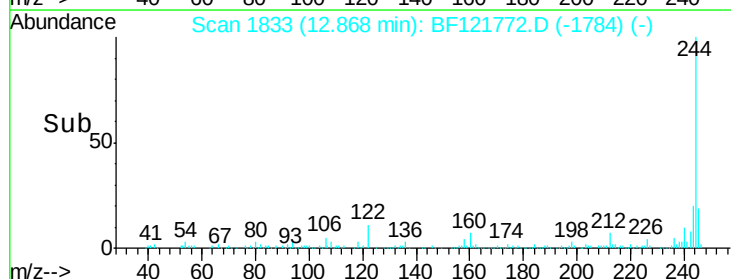
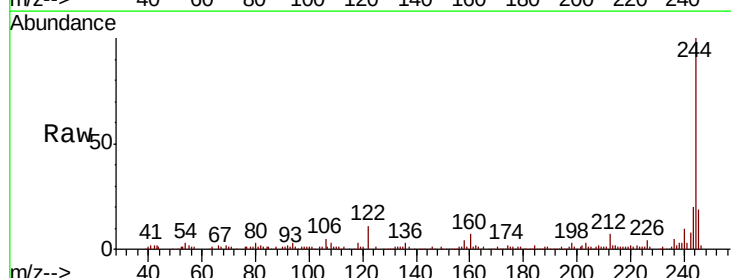
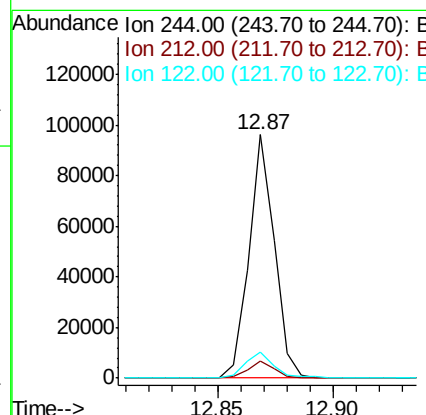
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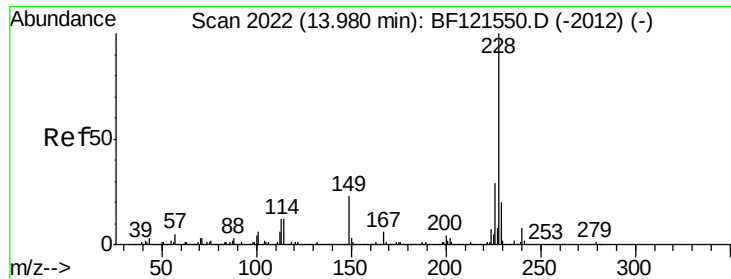
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#79
Terphenyl-d14
Concen: 4.839 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	10.7	8.1	12.1





#81

Benzo(a)anthracene

Concen: 16.040 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF121772.D

Acq: 1 Oct 2020 17:43

Instrument :

BNA_F

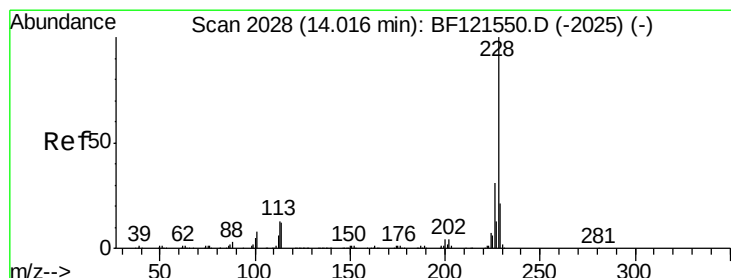
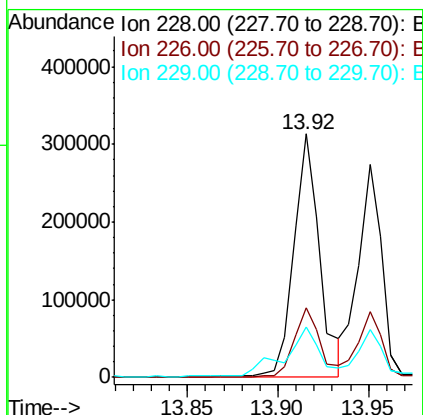
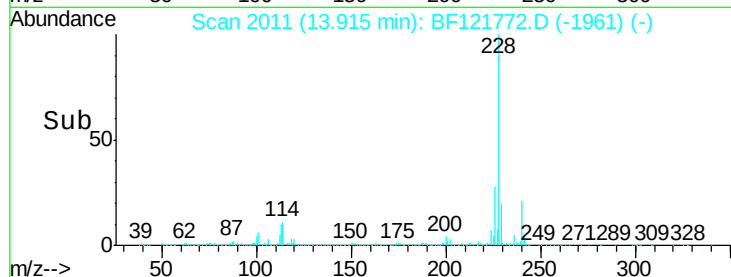
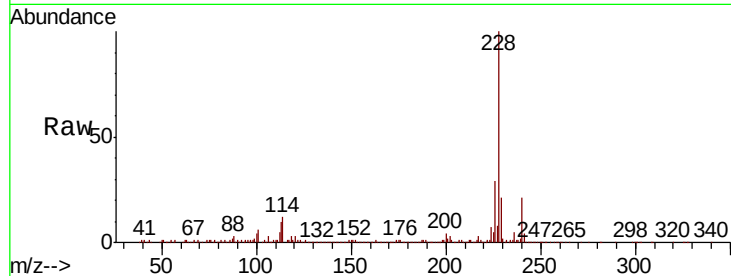
ClientSampleId :

B-11(9-11)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.3	33.5
229	20.5	16.2	24.4

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#83

Chrysene

Concen: 12.449 ng

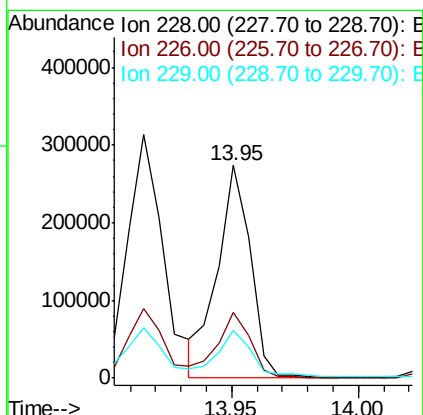
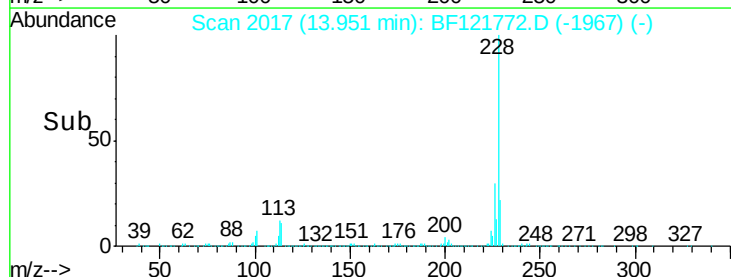
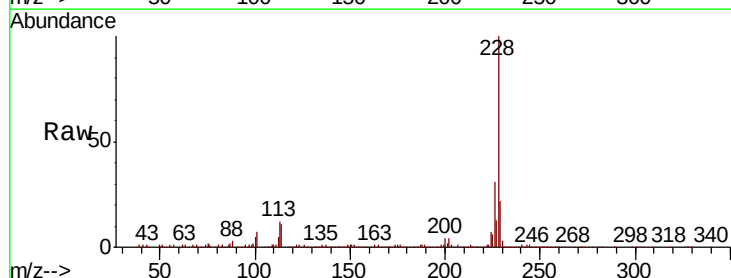
RT: 13.95 min Scan# 2017

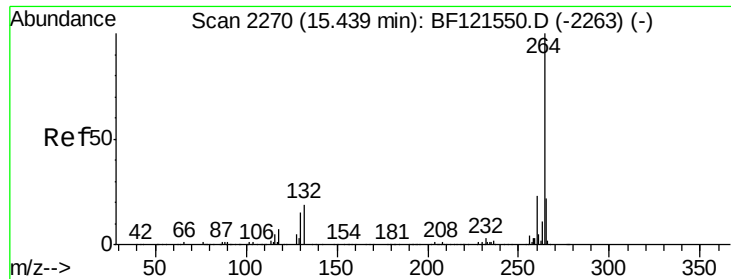
Delta R.T. -0.01 min

Lab File: BF121772.D

Acq: 1 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	22.5	15.9	23.9





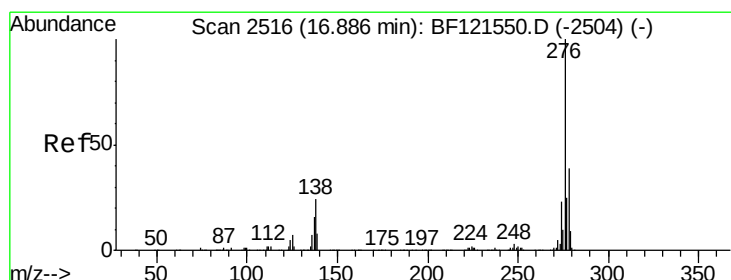
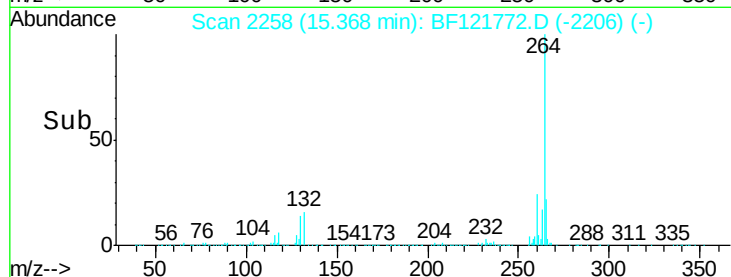
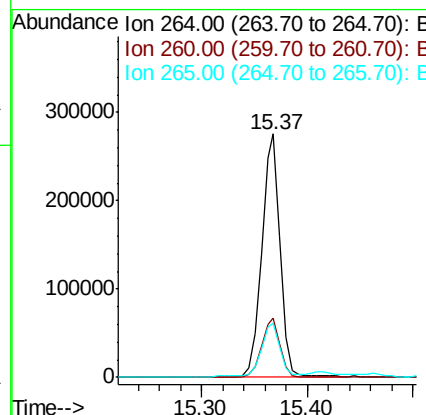
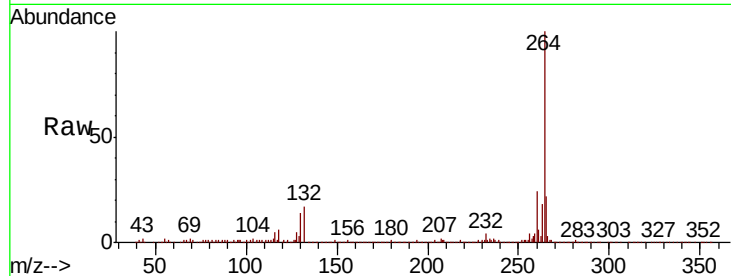
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Instrument :
BNA_F
ClientSampleId :
B-11(9-11)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.1	17.3	25.9

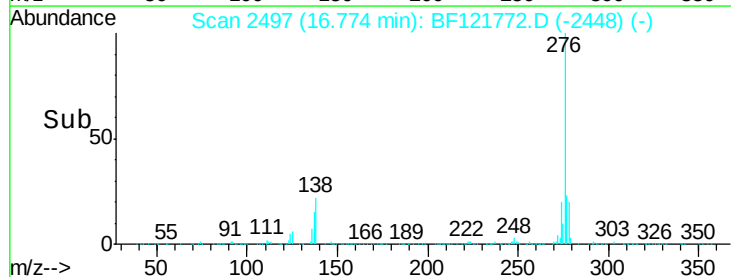
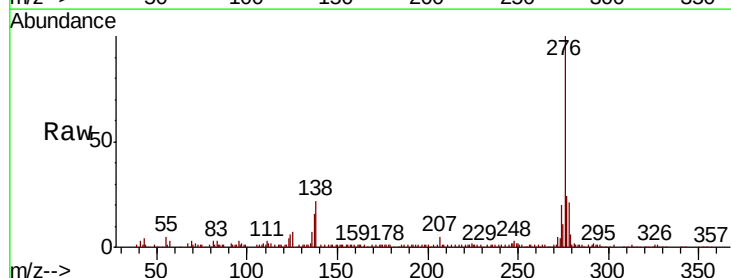
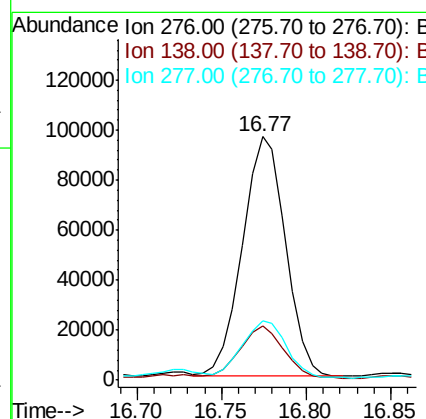
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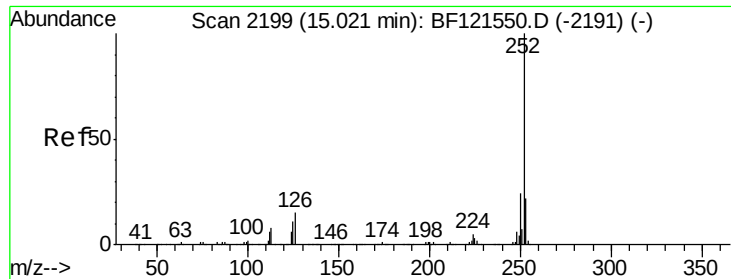
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#87
Indeno(1,2,3-cd)pyrene
Concen: 7.754 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.9	29.9
277	24.6	20.4	30.6





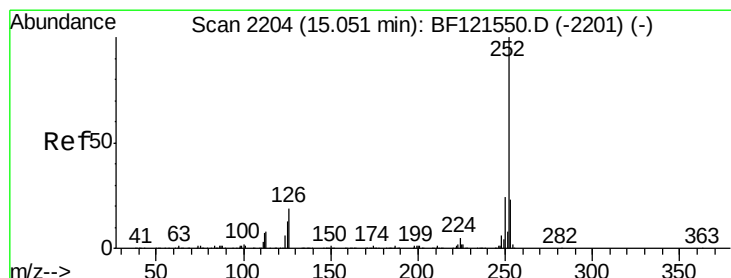
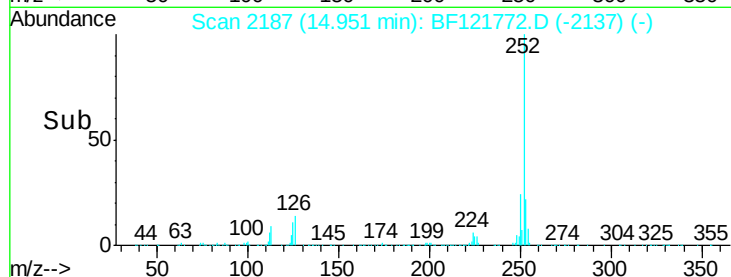
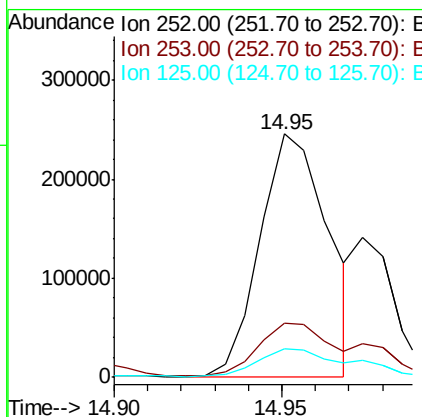
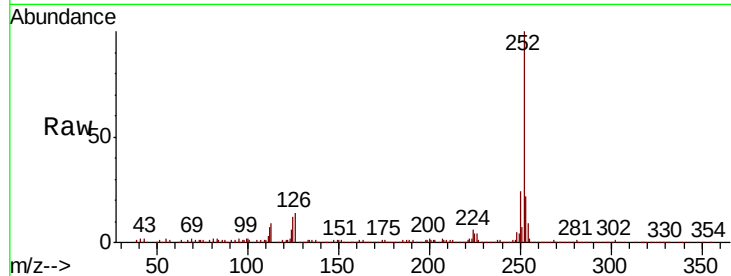
#88
Benzo(b)fluoranthene
Concen: 15.423 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Instrument :
BNA_F
ClientSampleId :
B-11(9-11)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	11.8	8.0	12.0

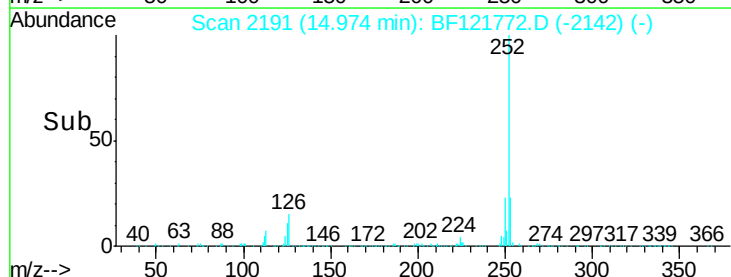
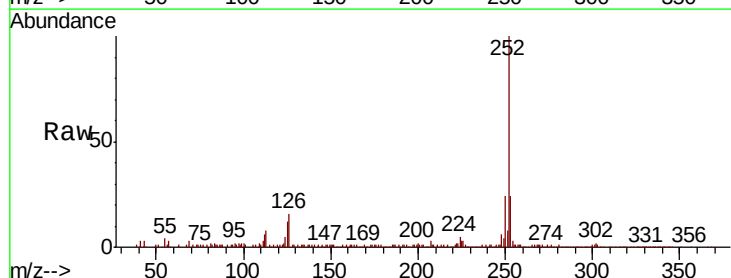
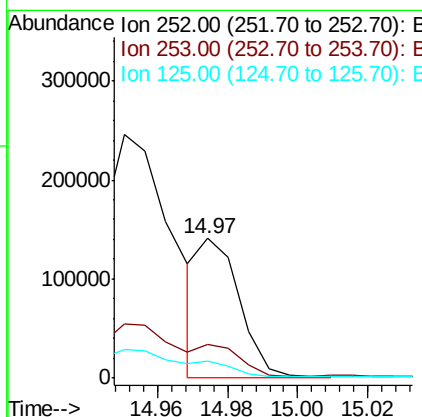
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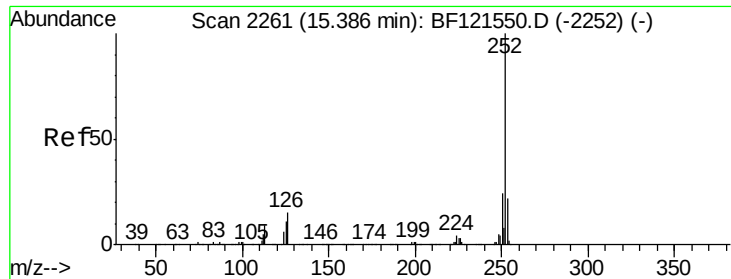
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#89
Benzo(k)fluoranthene
Concen: 5.563 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	12.1	7.7	11.5





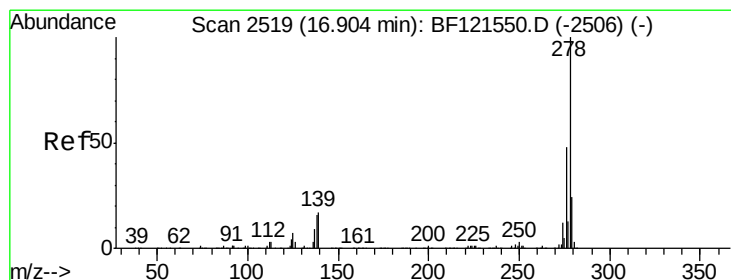
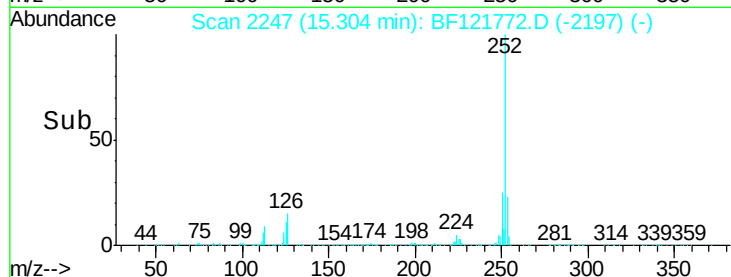
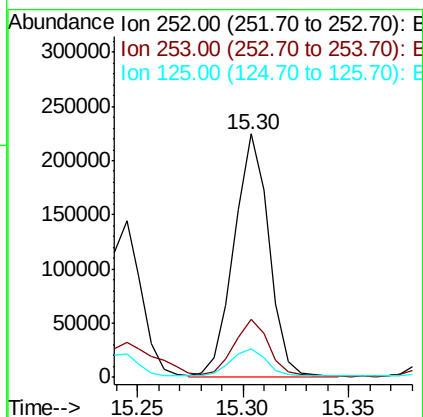
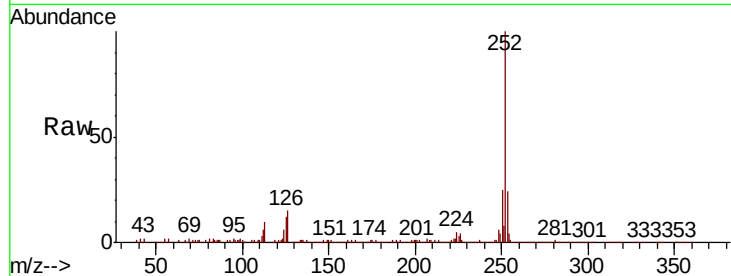
#90
Benzo(a)pyrene
Concen: 13.255 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Instrument :
BNA_F
ClientSampled :
B-11(9-11)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	11.9	8.6	13.0

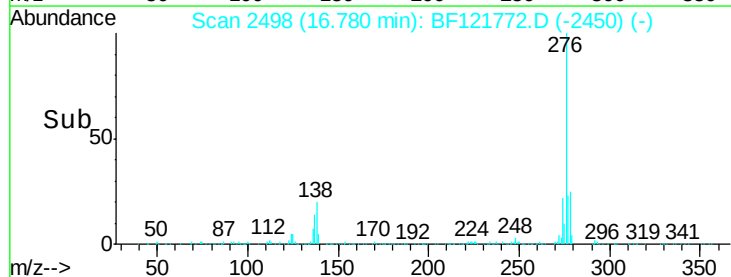
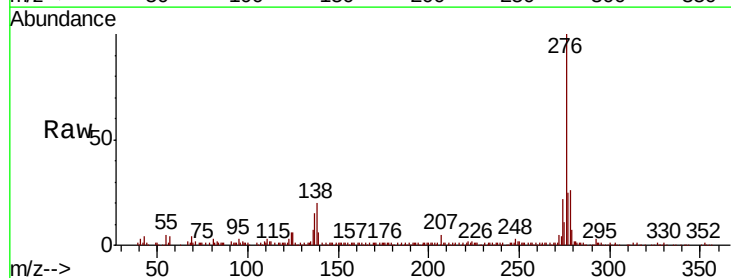
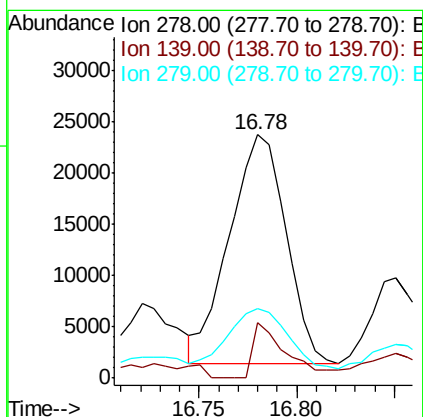
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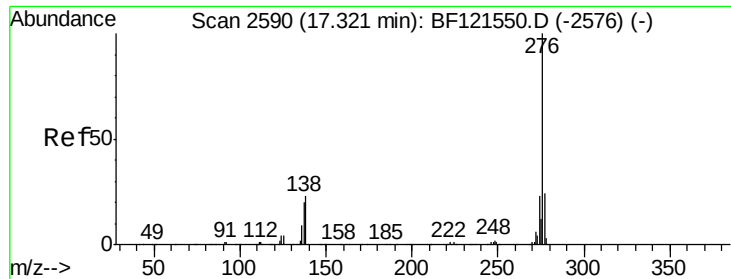
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.449 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.02 min
Lab File: BF121772.D
Acq: 1 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	13.0	19.4#
279	28.7	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 8.772 ng
 RT: 17.20 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Instrument :
 BNA_F
 ClientSampleId :
 B-11(9-11)

Tot Ion:	276	Resp:	157971
Ion Ratio		Lower	Upper
276	100		
277	24.7	19.4	29.2
138	22.2	17.8	26.6

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