

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
 Data File : BF121419.D
 Acq On : 25 Aug 2020 1:37
 Operator : JU/CG
 Sample : L3772-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 202-986

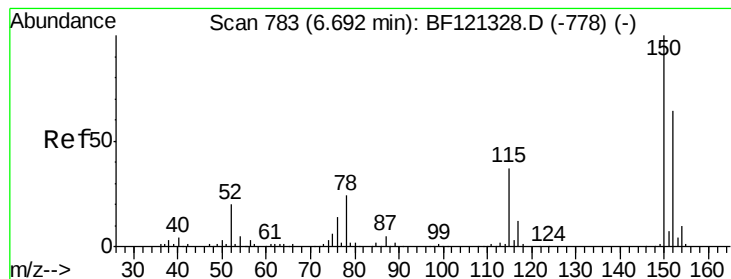
Manual Integrations
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Quant Time: Aug 25 05:51:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	161783	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	619085	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	298605	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	493859	20.00	ng	0.00
76) Chrysene-d12	13.86	240	362183	20.00	ng	0.01
86) Perylene-d12	15.27	264	403376	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	468289	47.46	ng	0.01
7) Phenol-d6	6.35	99	581391	46.16	ng	0.00
23) Nitrobenzene-d5	7.26	82	369545	33.76	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	124142	35.68	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	682654	36.51	ng	0.00
79) Terphenyl-d14	12.80	244	522067	28.17	ng	0.00
Target Compounds						
32) Benzoic acid	7.80	122	3100m	7.480	ng	Qvalue
49) Acenaphthylene	9.59	152	117921	4.306	ng	99
50) Dimethylphthalate	9.45	163	84510	3.890	ng	99
71) Phenanthrene	11.24	178	400732	15.678	ng	98
72) Anthracene	11.29	178	99631	4.048	ng	97
75) Fluoranthene	12.43	202	859500	30.981	ng	97
78) Pyrene	12.66	202	931850	34.252	ng	100
81) Benzo(a)anthracene	13.84	228	462301m	20.551	ng	
83) Chrysene	13.88	228	403757	17.549	ng	98
87) Indeno(1,2,3-cd)pyrene	16.64	276	308320	12.522	ng	96
88) Benzo(b)fluoranthene	14.87	252	666002m	25.557	ng	
89) Benzo(k)fluoranthene	14.90	252	133167m	5.805	ng	
90) Benzo(a)pyrene	15.22	252	431823	19.178	ng	99
91) Dibenzo(a,h)anthracene	16.64	278	75085m	3.719	ng	
92) Benzo(a,h,i)perylene	17.06	276	338029	17.127	ng	100

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



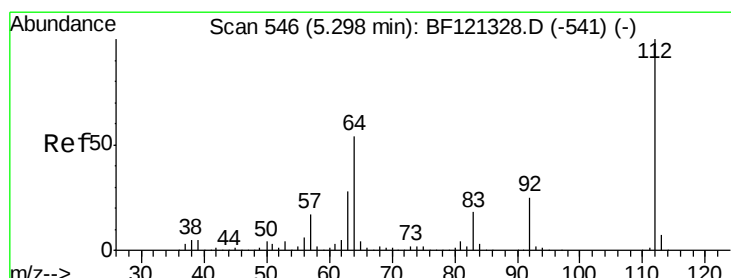
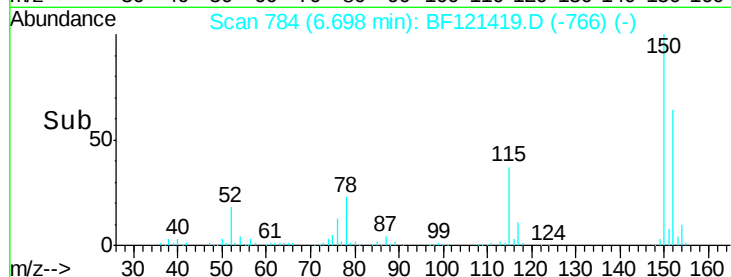
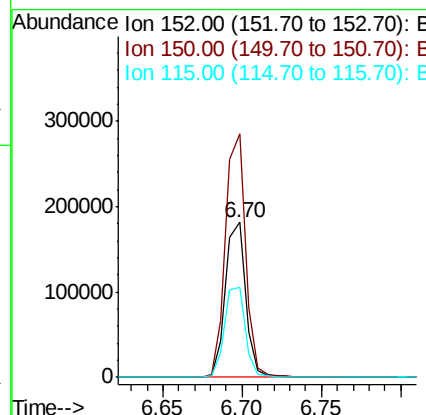
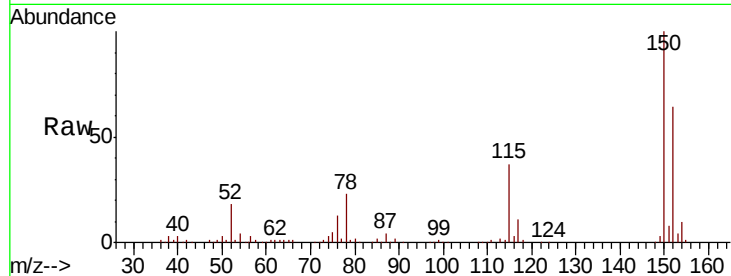
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. 0.01 min
 Lab File: BF121419.D
 Acq: 25 Aug 2020 1:37

Instrument :
 BNA_F
 ClientSampleId :
 202-986

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.8	187.2
115	57.9	46.1	69.1

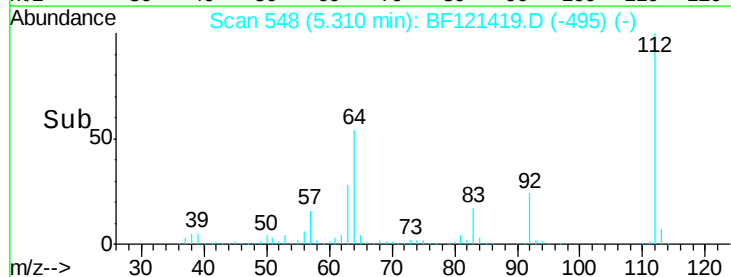
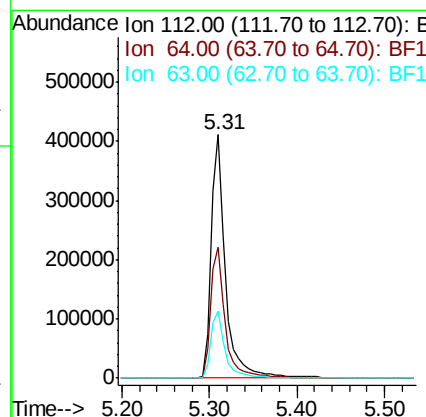
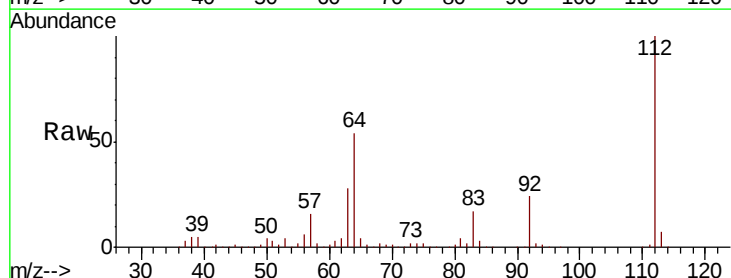
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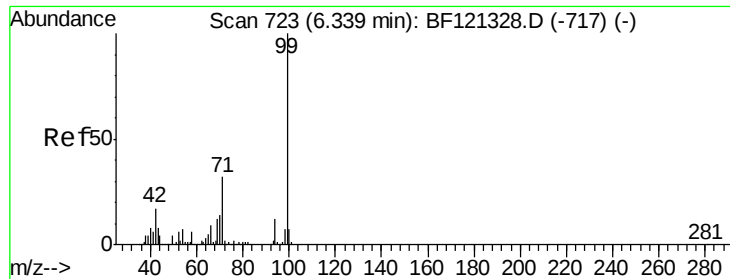
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#5
 2-Fluorophenol
 Concen: 47.463 ng
 RT: 5.31 min Scan# 548
 Delta R.T. 0.01 min
 Lab File: BF121419.D
 Acq: 25 Aug 2020 1:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	43.5	65.3
63	27.5	22.0	33.0





#7

Phenol-d6

Concen: 46.159 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121419.D

Acq: 25 Aug 2020 1:37

Instrument :

BNA_F

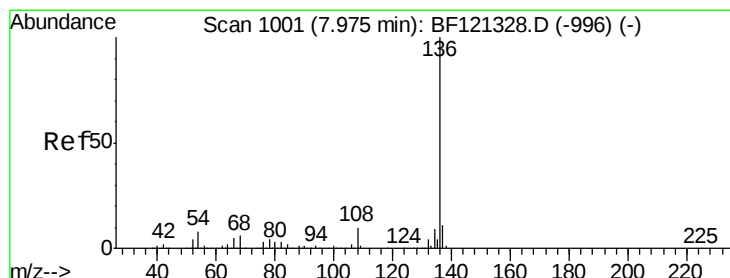
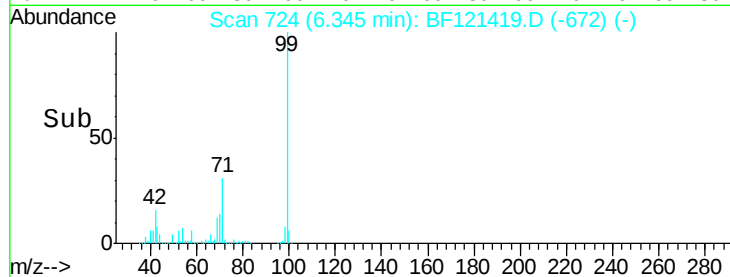
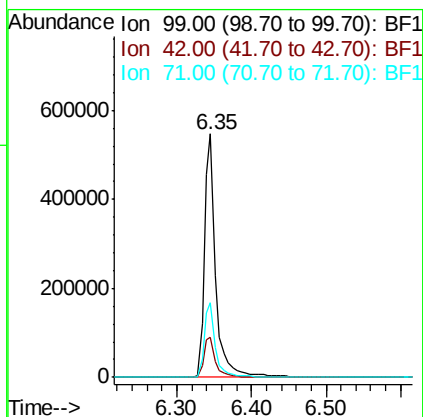
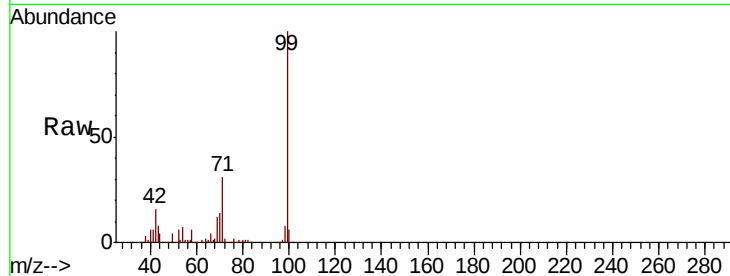
ClientSampleId :

202-986

Tot Ion:	99	Resp:	581391
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.5	20.3
71	30.6	25.2	37.8

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#21

Naphthalene-d8

Concen: 20.000 ng

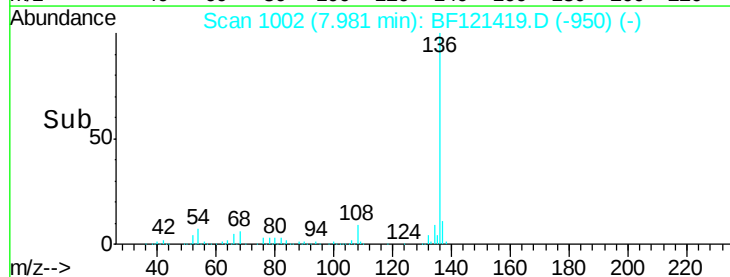
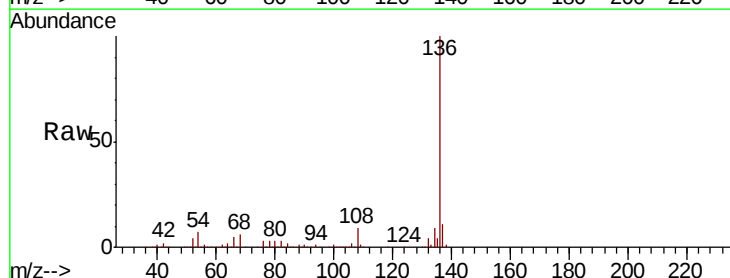
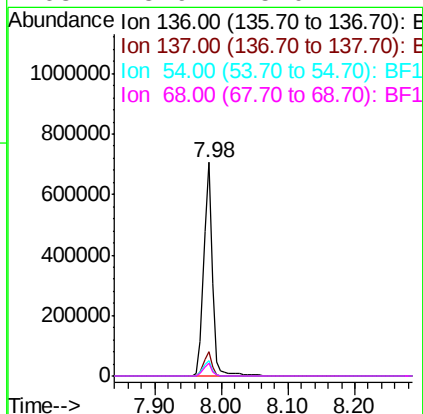
RT: 7.98 min Scan# 1002

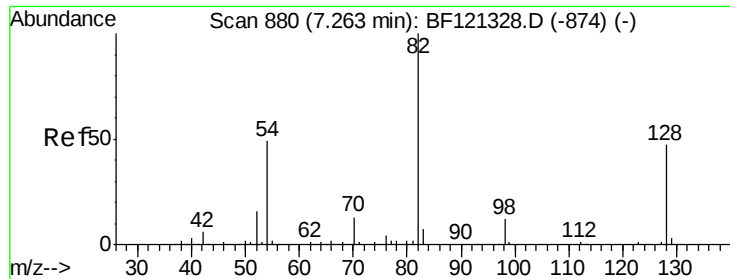
Delta R.T. 0.01 min

Lab File: BF121419.D

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Tgt Ion:	136	Resp:	619085
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.3	6.1	9.1
68	5.9	5.0	7.4





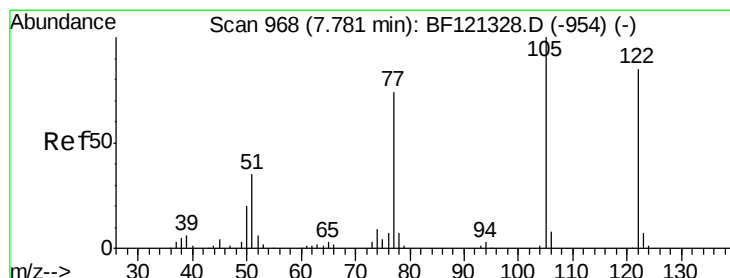
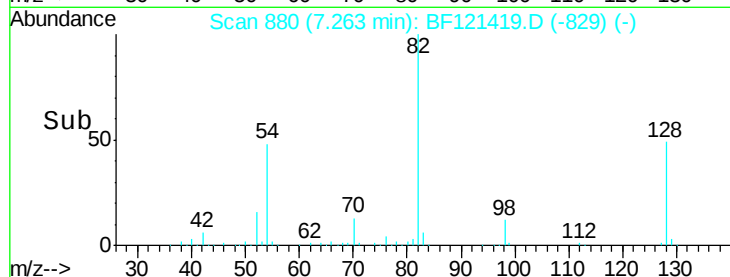
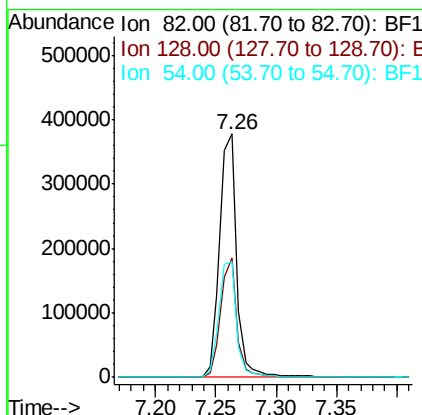
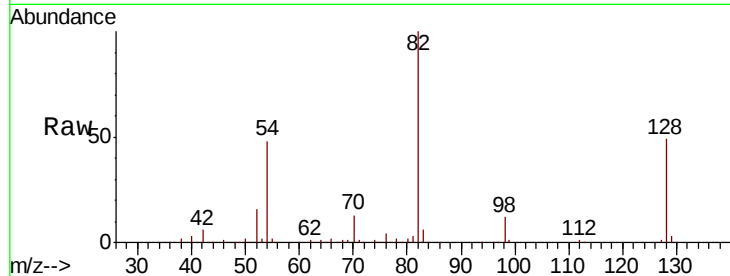
#23
 Nitrobenzene-d5
 Concen: 33.760 ng
 RT: 7.26 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: BF121419.D
 Acq: 25 Aug 2020 1:37

Instrument :
 BNA_F
 ClientSampled :
 202-986

Tot Ion	Ratio	Resp	Lower	Upper
82	100	369545		
128	49.0		37.9	56.9
54	47.6		39.0	58.4

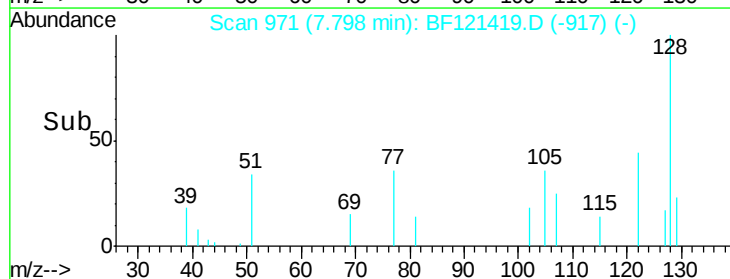
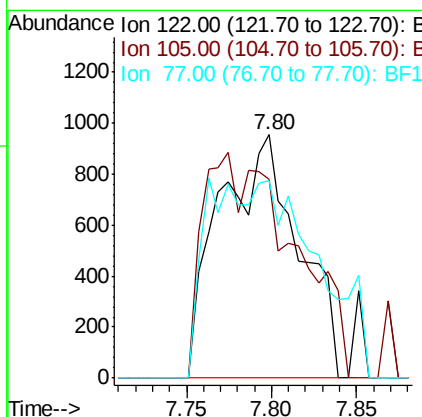
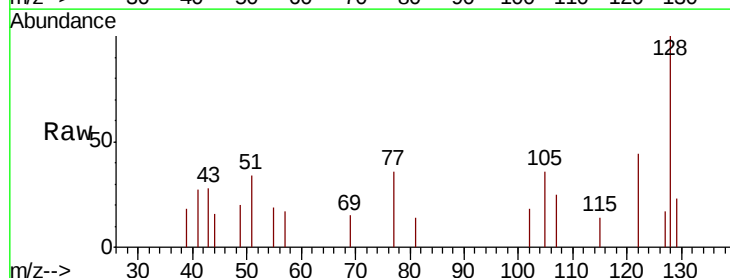
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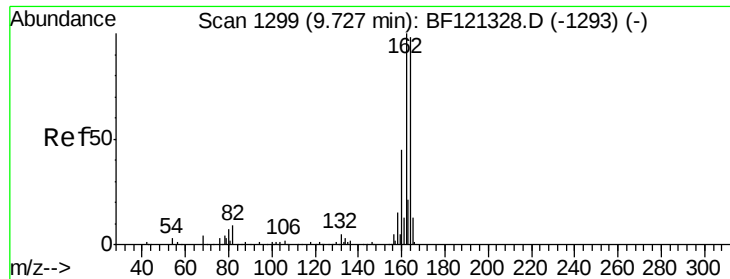
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#32
 Benzoic acid
 Concen: 7.480 ng m
 RT: 7.80 min Scan# 971
 Delta R.T. 0.02 min
 Lab File: BF121419.D
 Acq: 25 Aug 2020 1:37

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	3100		
105	81.8		96.7	136.7#
77	81.3		66.7	106.7





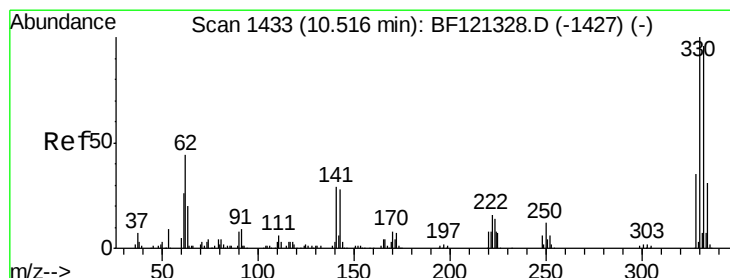
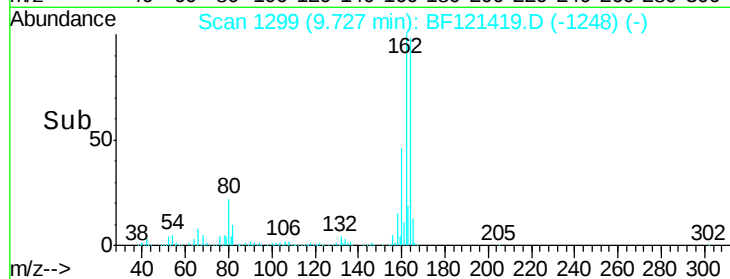
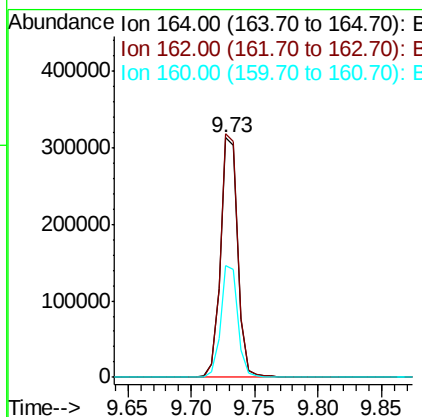
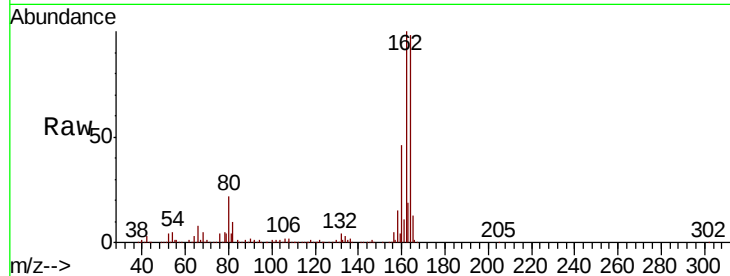
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Instrument :
BNA_F
ClientSampleId :
202-986

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	81.7	122.5	
160	46.6	37.0	55.4	

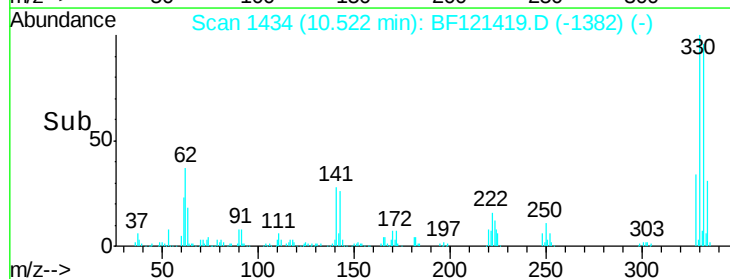
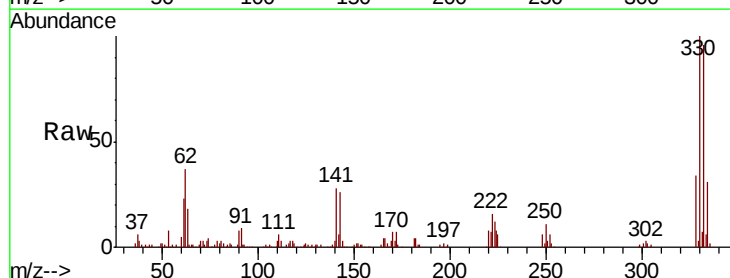
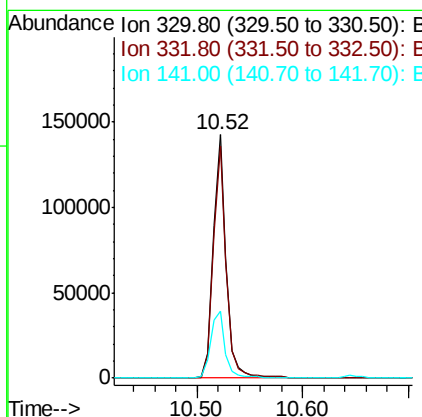
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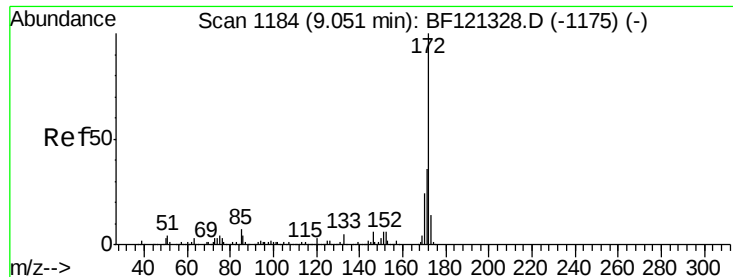
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#42
2,4,6-Tribromophenol
Concen: 35.676 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF121419.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.9	115.3	
141	31.8	22.8	34.2	





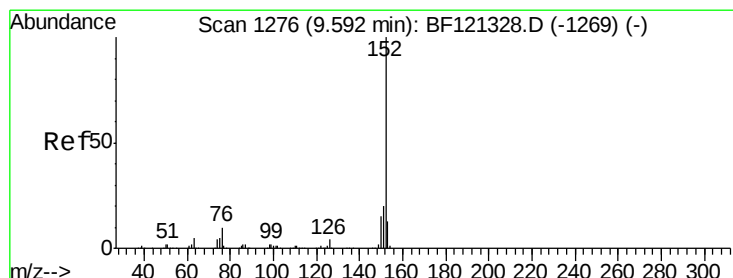
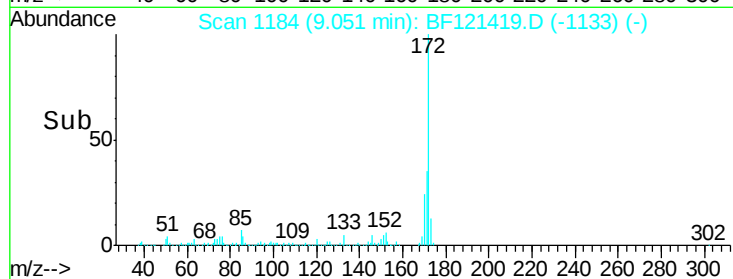
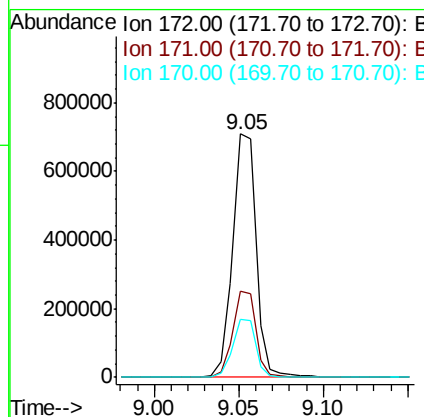
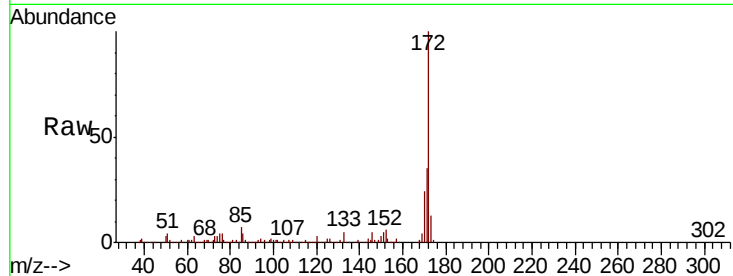
#45
2-Fluorobiphenyl
Concen: 36.513 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Instrument :
BNA_F
ClientSampleId :
202-986

Tot Ion:172	Resp: 682654
Ion Ratio	Lower Upper
172 100	
171 35.4	29.0 43.6
170 23.6	19.4 29.2

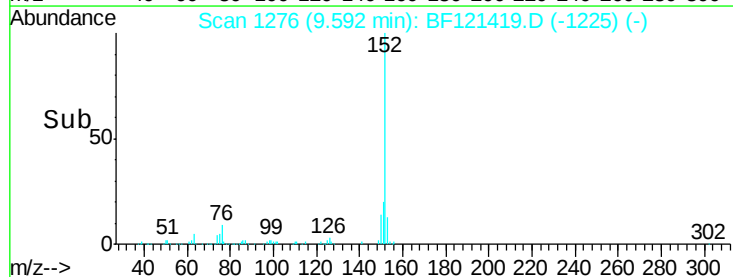
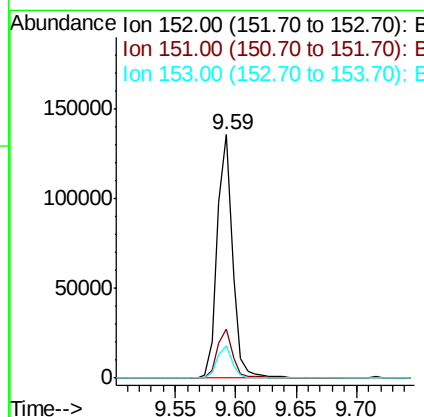
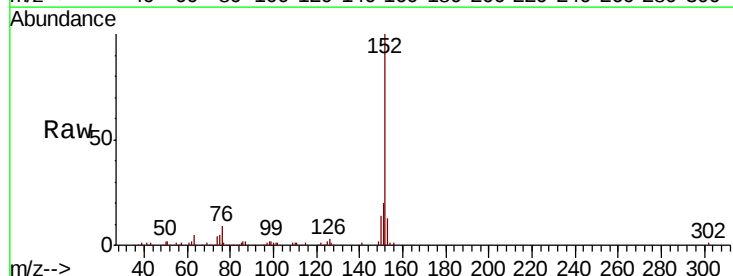
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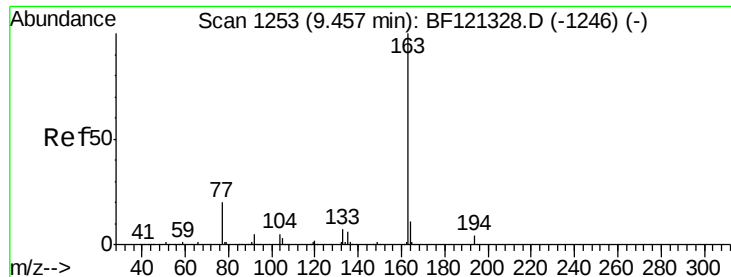
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#49
Acenaphthylene
Concen: 4.306 ng
RT: 9.59 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BF121419.D
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Tgt Ion:152	Resp: 117921
Ion Ratio	Lower Upper
152 100	
151 20.0	16.4 24.6
153 13.2	10.6 16.0





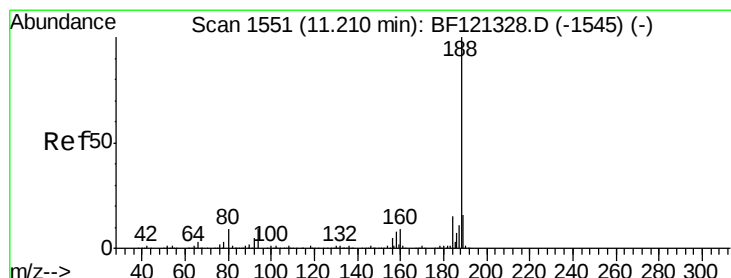
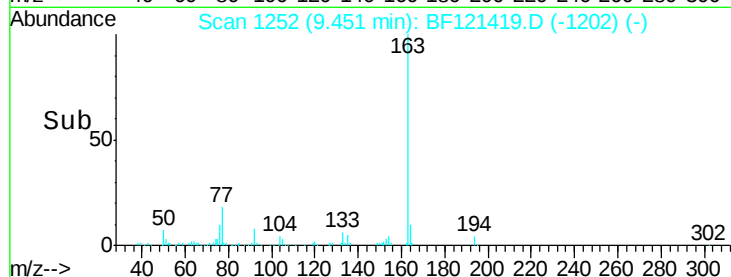
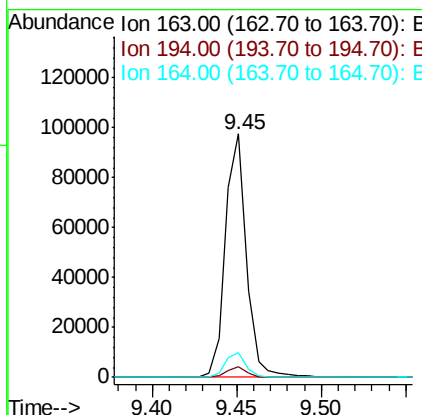
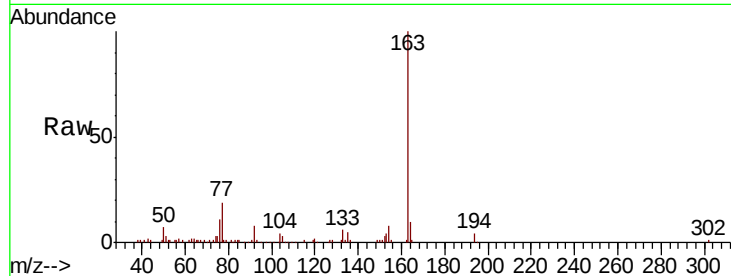
#50
Dimethylphthalate
Concen: 3.890 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Instrument :
BNA_F
ClientSampleId :
202-986

Tot Ion:	163	Resp:	84510
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.0	4.6
164	10.2	8.4	12.6

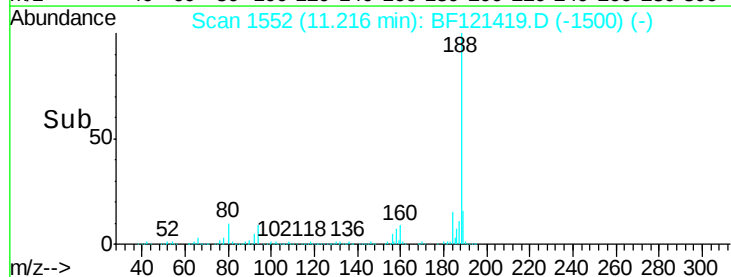
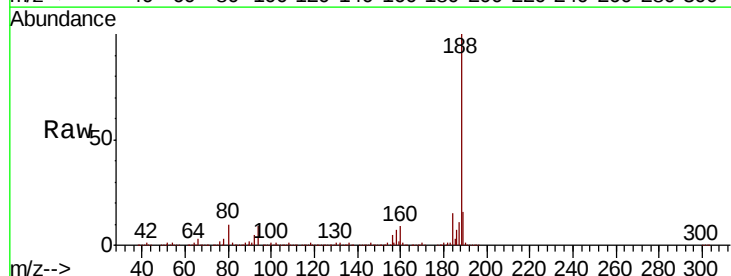
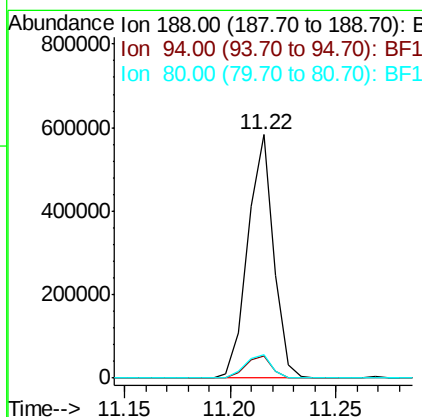
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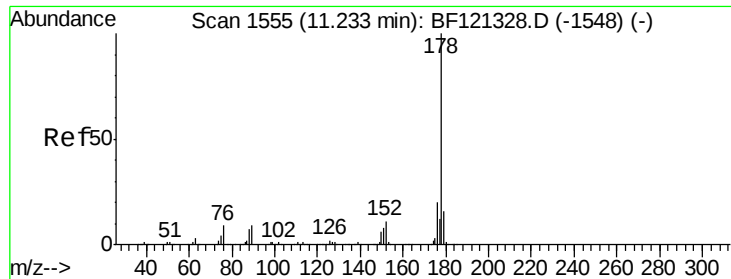
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Tgt Ion:	188	Resp:	493859
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.2	10.8
80	9.5	7.4	11.0





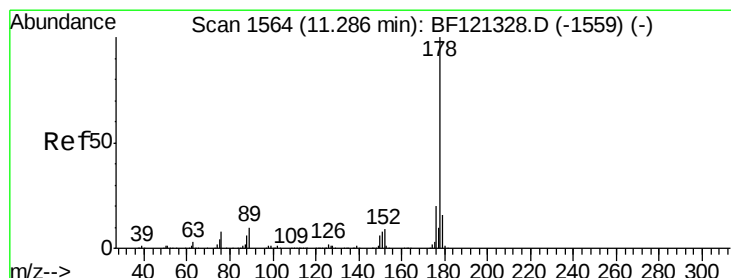
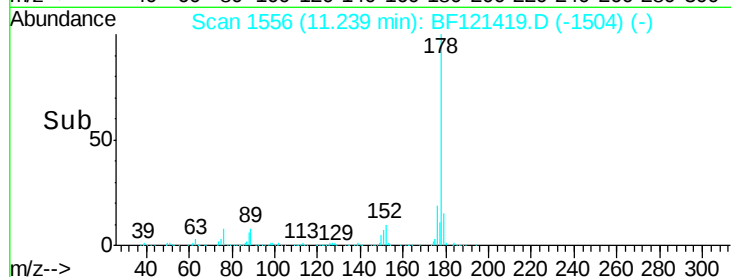
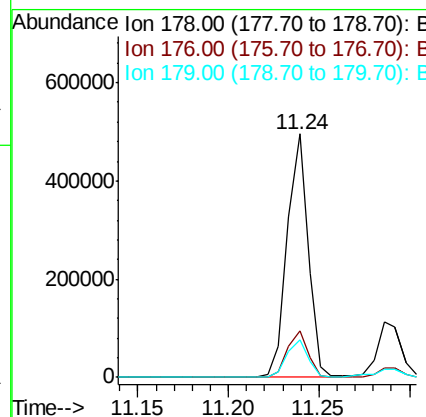
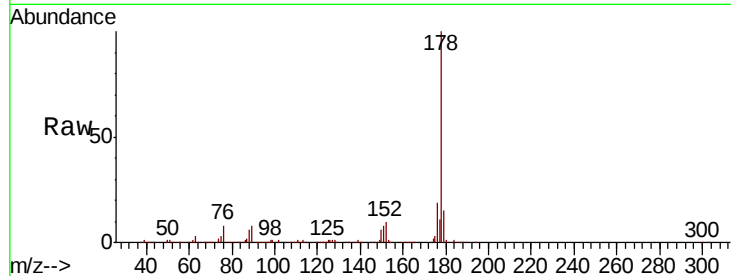
#71
Phenanthrene
Concen: 15.678 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Instrument :
BNA_F
ClientSampleId :
202-986

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.0	24.0
179	15.4	12.8	19.2

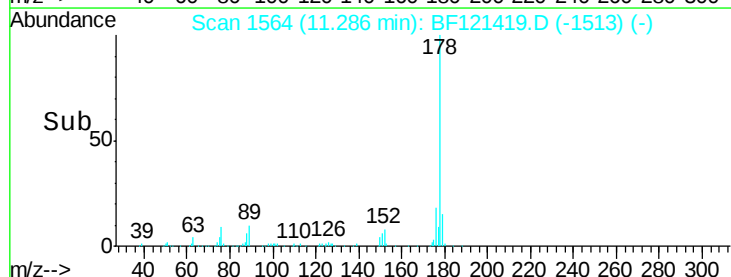
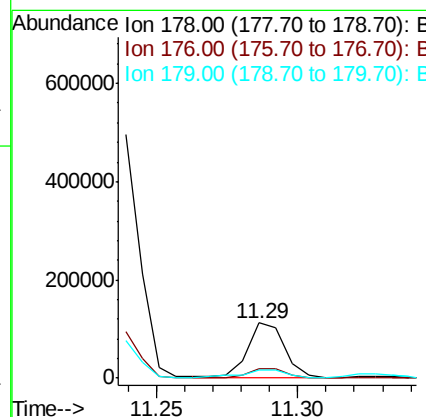
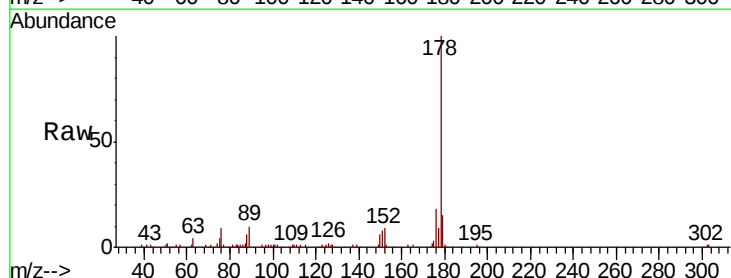
Manual Integrations
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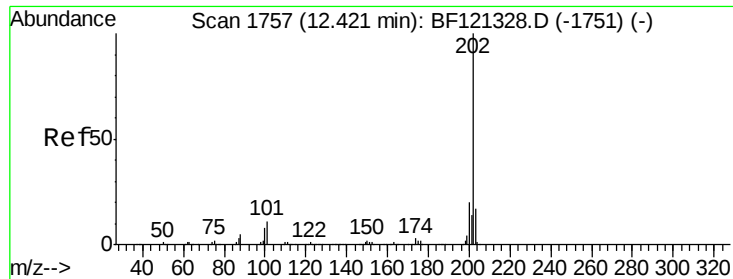
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#72
Anthracene
Concen: 4.048 ng
RT: 11.29 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	15.2	12.8	19.2





#75

Fluoranthene

Concen: 30.981 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF121419.D

Acq: 25 Aug 2020 1:37

Instrument :

BNA_F

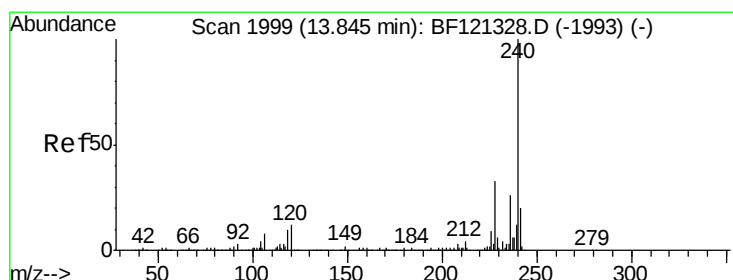
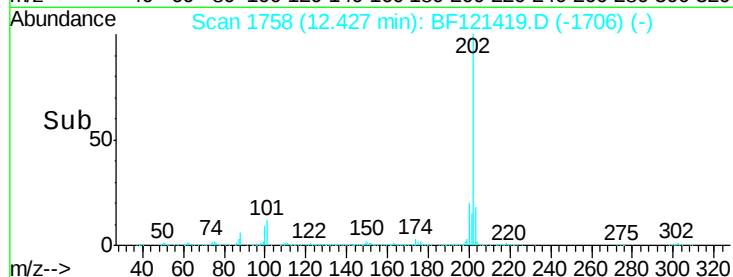
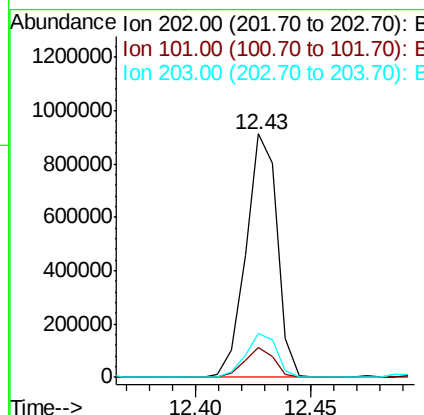
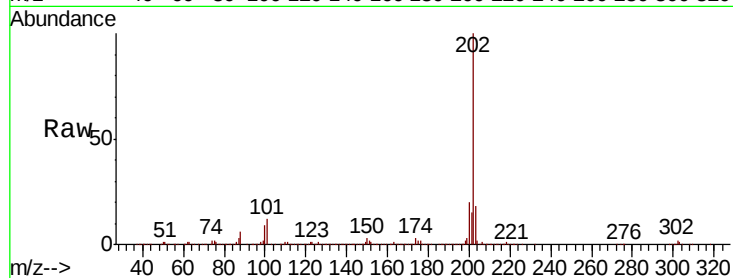
ClientSampleId :

202-986

Tot Ion:	202	Resp:	859500
Ion Ratio		Lower	Upper
202	100		
101	12.4	0.0	30.6
203	18.2	0.0	37.5

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#76

Chrysene-d12

Concen: 20.000 ng

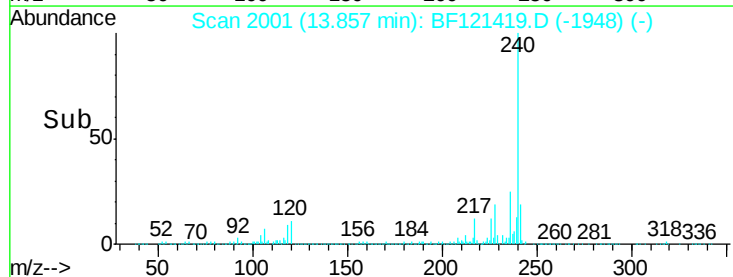
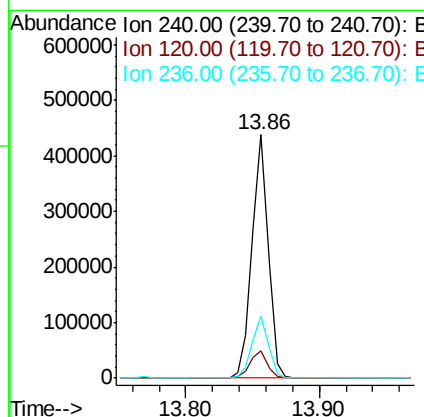
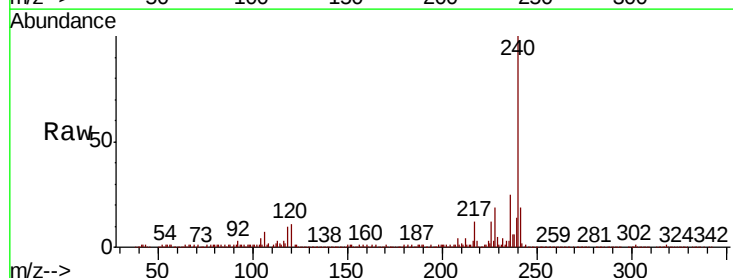
RT: 13.86 min Scan# 2001

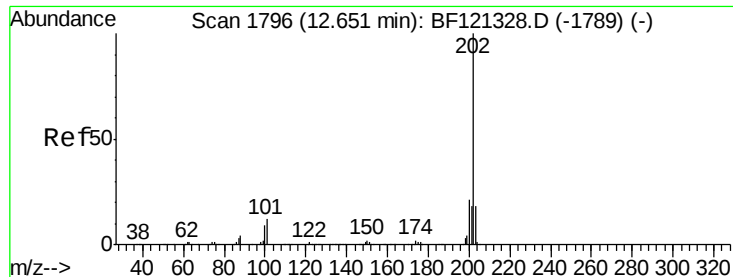
Delta R.T. 0.01 min

Lab File: BF121419.D

Acq: 25 Aug 2020 1:37

Tgt Ion:	240	Resp:	362183
Ion Ratio		Lower	Upper
240	100		
120	11.2	9.6	14.4
236	25.4	20.6	31.0





#78

Pvrene

Concen: 34.252 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.01 min

Lab File: BF121419.D

Acq: 25 Aug 2020 1:37

Instrument :

BNA_F

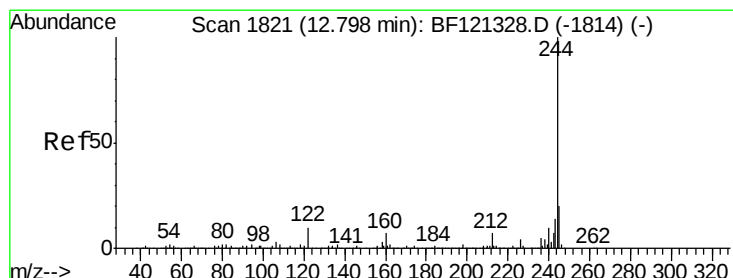
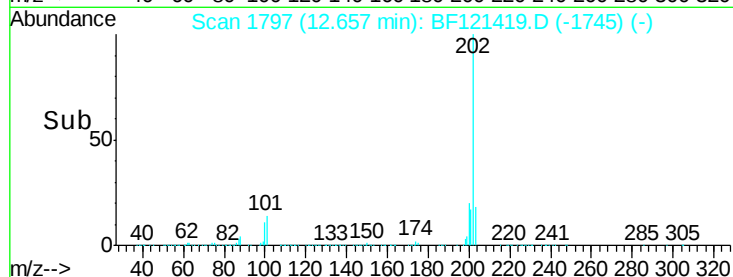
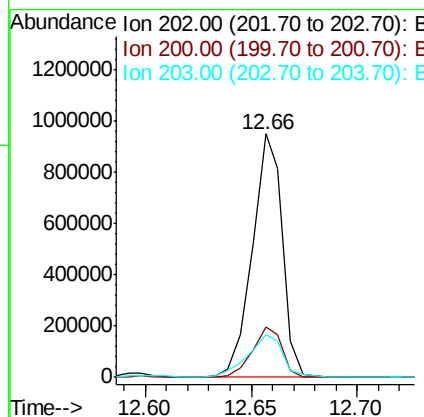
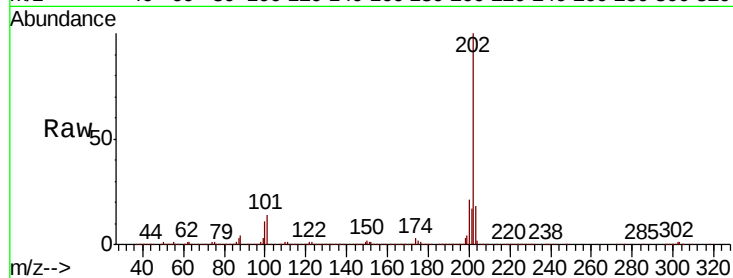
ClientSampleId :

202-986

Tot Ion:	202	Resp:	931850
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.6	24.8
203	17.7	14.2	21.2

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#79

Terphenyl-d14

Concen: 28.168 ng

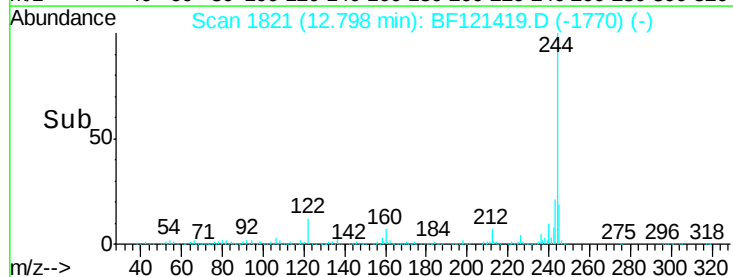
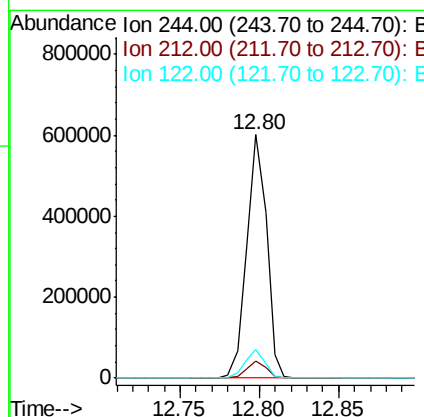
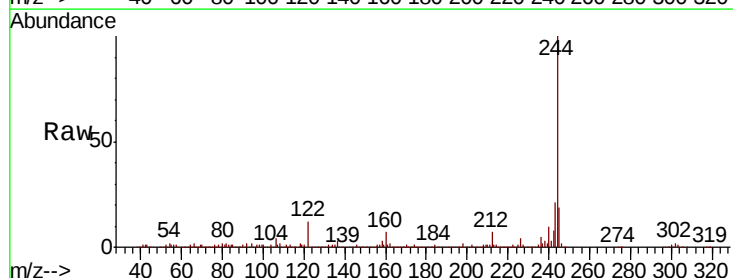
RT: 12.80 min Scan# 1821

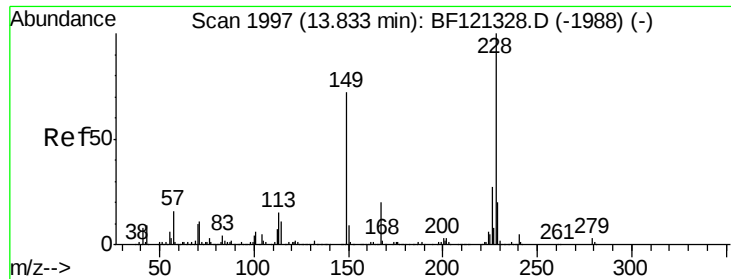
Delta R.T. 0.00 min

Lab File: BF121419.D

Acq: 25 Aug 2020 1:37

Tgt Ion:	244	Resp:	522067
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	11.7	7.8	11.8





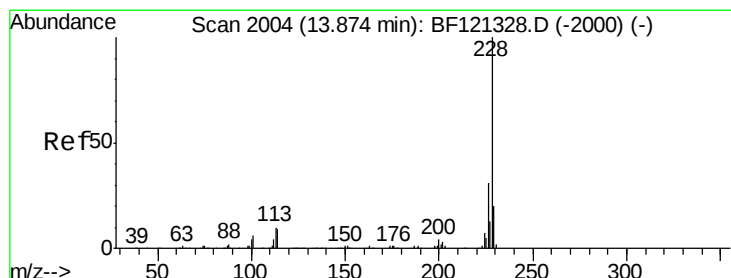
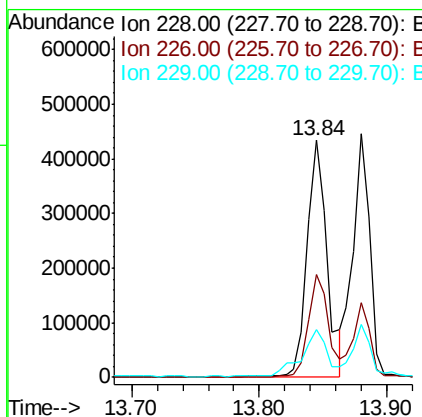
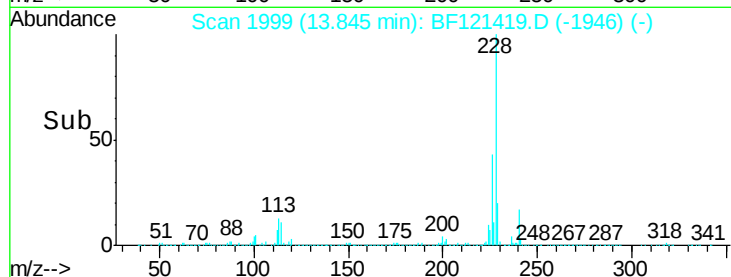
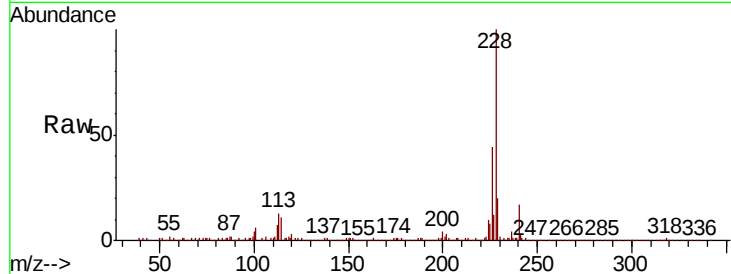
#81
Benzo(a)anthracene
Concen: 20.551 ng m
RT: 13.84 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Instrument :
BNA_F
ClientSampled :
202-986

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.5	21.8	32.6#
229	20.3	15.8	23.8

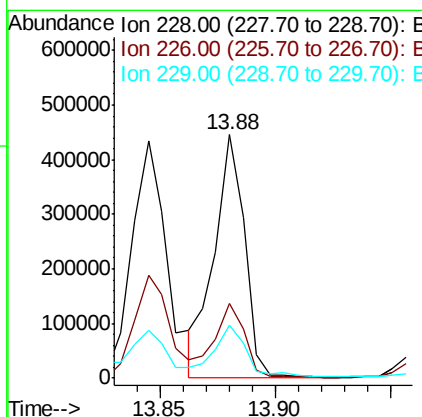
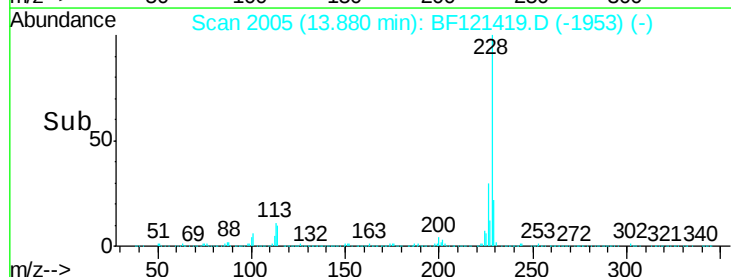
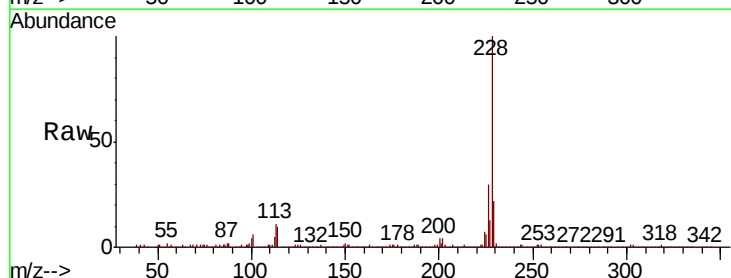
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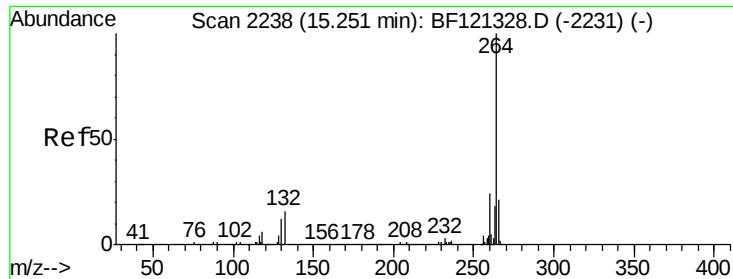
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#83
Chrysene
Concen: 17.549 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	36.8
229	22.0	15.9	23.9





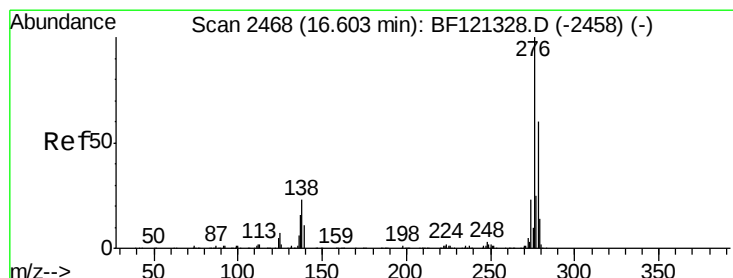
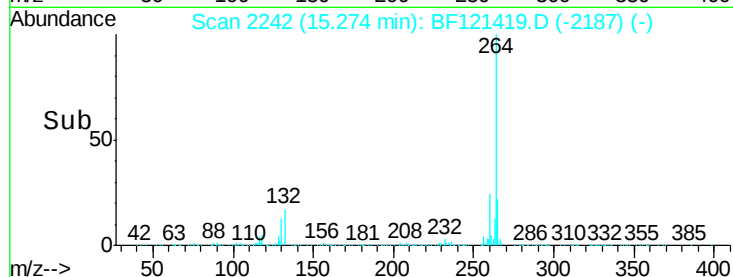
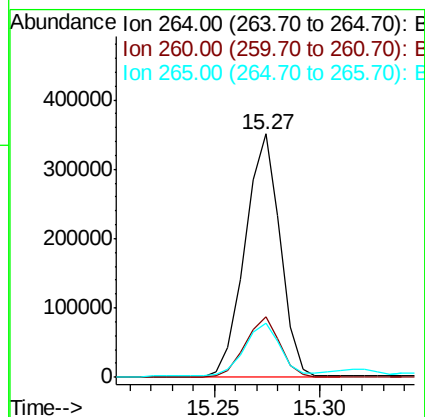
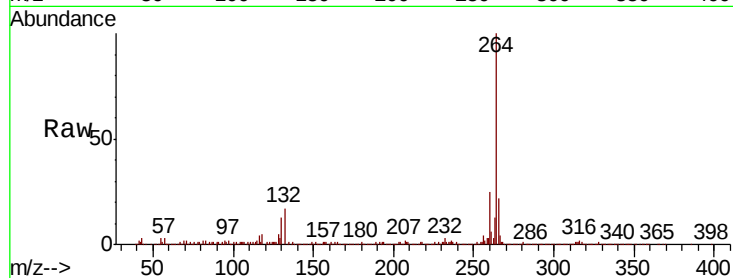
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Instrument :
BNA_F
ClientSampleId :
202-986

Tot Ion:	264	Resp:	403376
Ion Ratio		Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.3	17.1	25.7

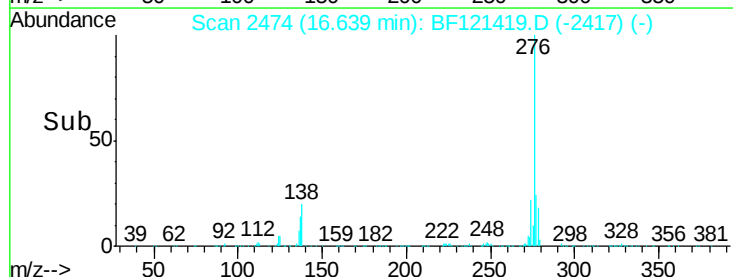
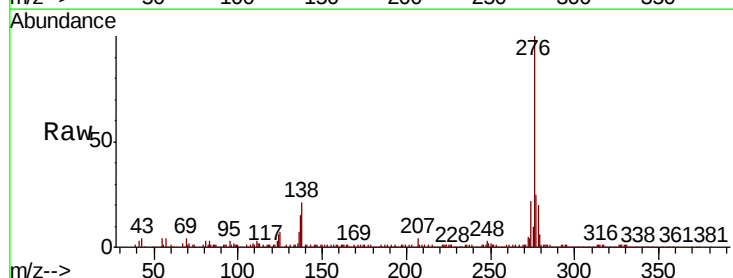
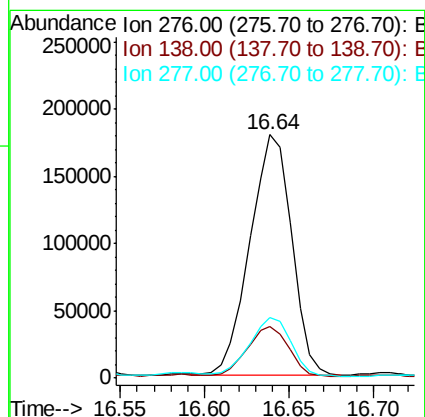
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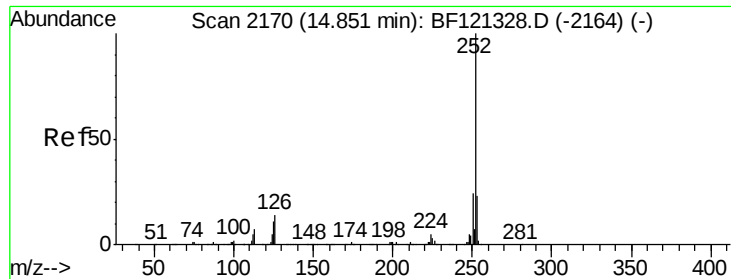
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#87
Indeno(1,2,3-cd)pyrene
Concen: 12.522 ng
RT: 16.64 min Scan# 2474
Delta R.T. 0.04 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Tgt Ion:	276	Resp:	308320
Ion Ratio		Lower	Upper
276	100		
138	20.6	19.4	29.0
277	24.4	19.9	29.9





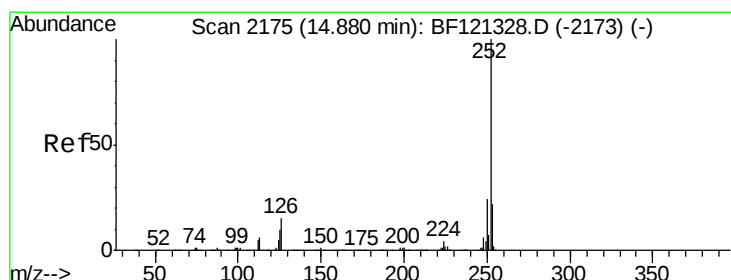
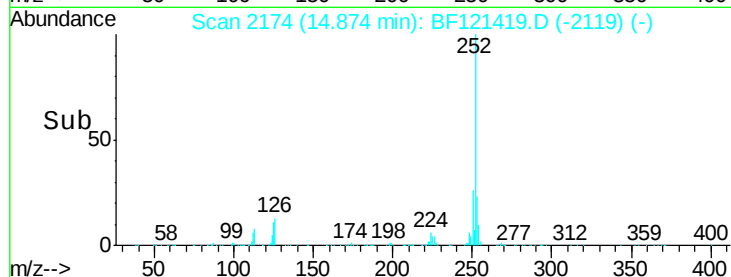
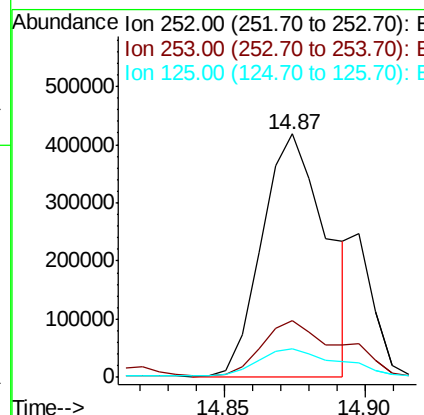
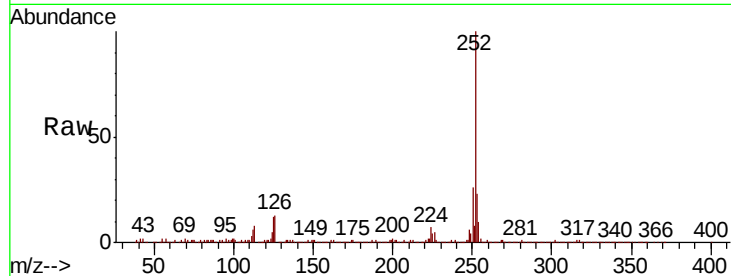
#88
Benzo(b)fluoranthene
Concen: 25.557 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.02 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Instrument :
BNA_F
ClientSampleId :
202-986

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.8	8.6	12.8

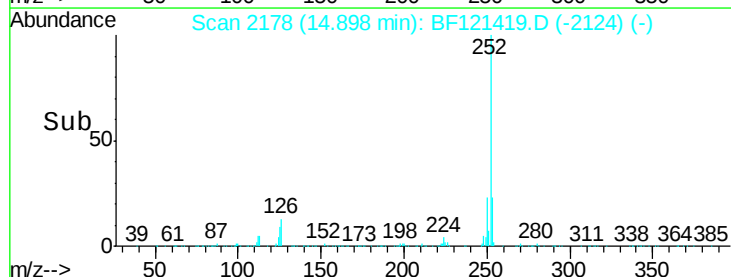
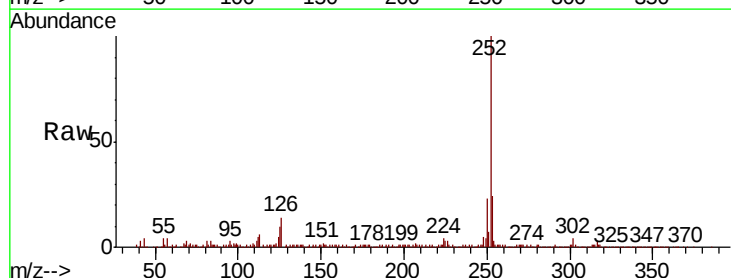
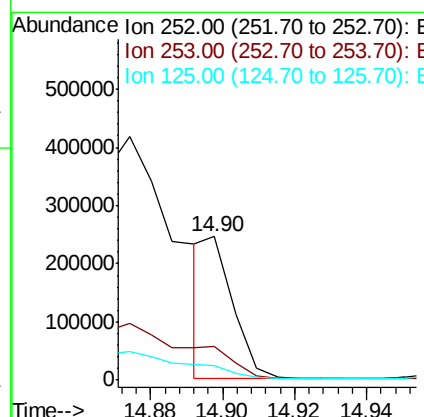
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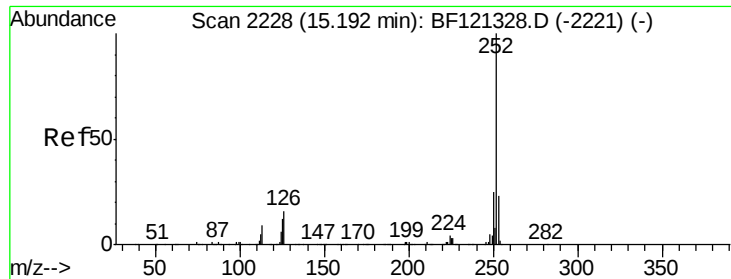
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#89
Benzo(k)fluoranthene
Concen: 5.805 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF121419.D
Acq: 25 Aug 2020 1:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.4	8.6	12.8





#90

Benzo(a)pyrene

Concen: 19.178 ng

RT: 15.22 min Scan# 2232

Delta R.T. 0.02 min

Lab File: BF121419.D

Acq: 25 Aug 2020 1:37

Instrument :

BNA_F

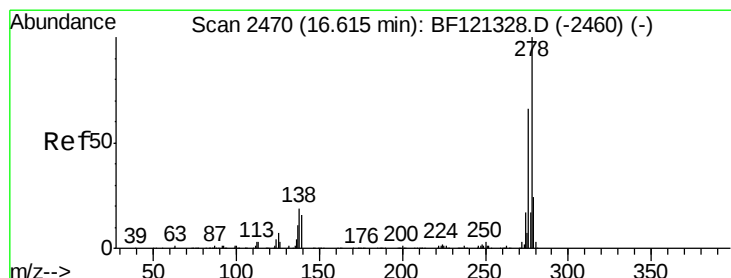
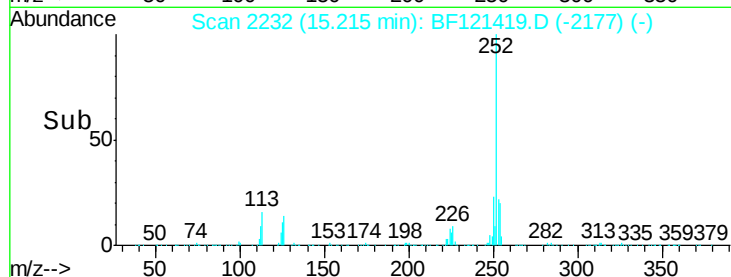
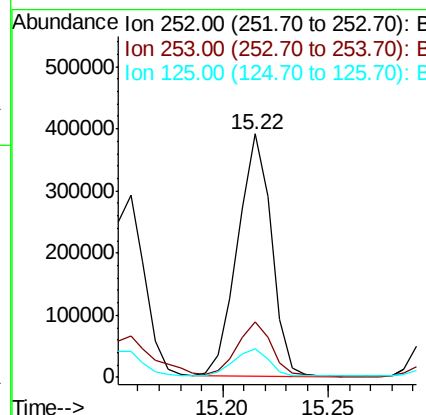
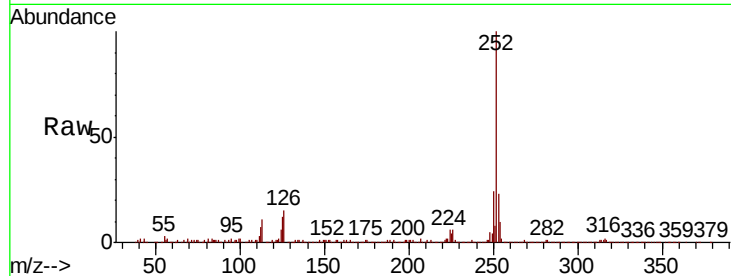
ClientSampled :

202-986

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.8	9.4	14.0

Manual Integrations
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#91

Dibenzo(a,h)anthracene

Concen: 3.719 ng m

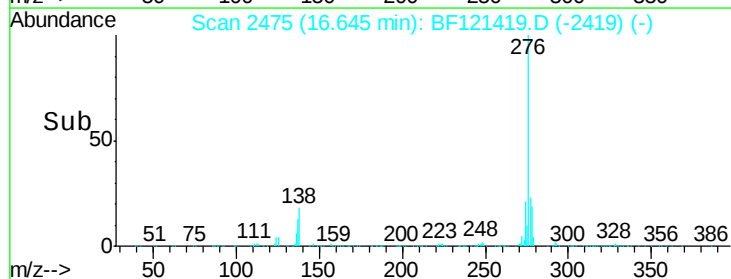
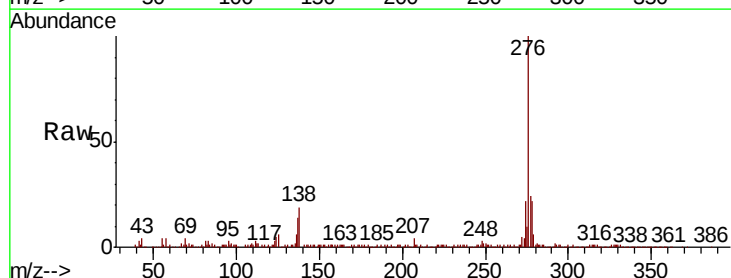
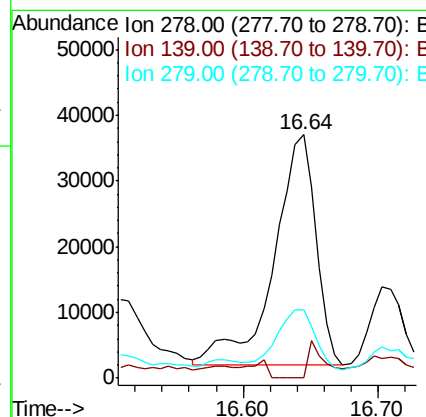
RT: 16.64 min Scan# 2475

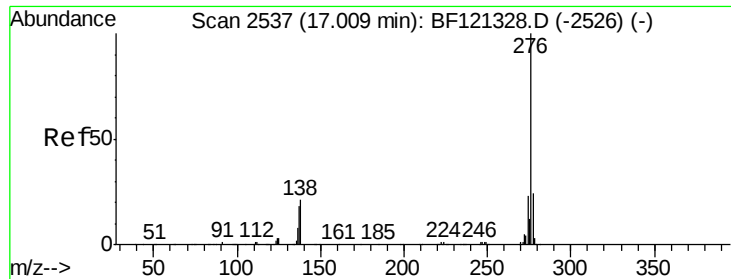
Delta R.T. 0.03 min

Lab File: BF121419.D

Acq: 25 Aug 2020 1:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	27.8	19.4	29.2





#92

Benzo(a,h,i)perylene

Concen: 17.127 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.05 min

Lab File: BF121419.D

Acq: 25 Aug 2020 1:37

Instrument :

BNA_F

ClientSampleId :

202-986

Tot Ion:	276	Resp:	338029
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.3	28.9
138	20.8	16.8	25.2

Manual Integrations
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