

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
 Data File : BF121418.D
 Acq On : 25 Aug 2020 1:06
 Operator : JU/CG
 Sample : L3772-02 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 349-346

Manual Integrations
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Quant Time: Aug 25 05:29:26 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	149855	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	568852	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	274166	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	458728	20.00	ng	0.00
76) Chrysene-d12	13.86	240	287660	20.00	ng	0.02
86) Perylene-d12	15.29	264	395826	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	362728	39.69	ng	0.01
7) Phenol-d6	6.35	99	456877	39.16	ng	0.00
23) Nitrobenzene-d5	7.26	82	286988	28.53	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	95551	29.91	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	553963	30.50	ng	0.00
79) Terphenyl-d14	12.80	244	440346	29.91	ng	0.00

Target Compounds					Qvalue	
49) Acenaphthylene	9.59	152	56161	2.233	ng	98
50) Dimethylphthalate	9.45	163	59393	2.978	ng	99
52) Acenaphthene	9.76	154	61878	4.050	ng	96
71) Phenanthrene	11.24	178	1080665	45.518	ng	99
72) Anthracene	11.29	178	402658	17.612	ng	99
73) Carbazole	11.45	167	190618	8.736	ng	97
75) Fluoranthene	12.44	202	1867023	72.452	ng	99
78) Pyrene	12.66	202	1861342	86.141	ng	98
81) Benzo(a)anthracene	13.85	228	1580400	88.454	ng	94
83) Chrysene	13.89	228	1426446m	78.062	ng	
87) Indeno(1,2,3-cd)pyrene	16.67	276	1139256	47.150	ng	96
88) Benzo(b)fluoranthene	14.89	252	2162429m	84.562	ng	
89) Benzo(k)fluoranthene	14.91	252	676863m	30.069	ng	
90) Benzo(a)pyrene	15.24	252	1658403	75.057	ng	97
91) Dibenzo(a,h)anthracene	16.67	278	351889	17.762	ng	93
92) Benzo(g,h,i)perylene	17.09	276	951599	49.134	ng	99

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

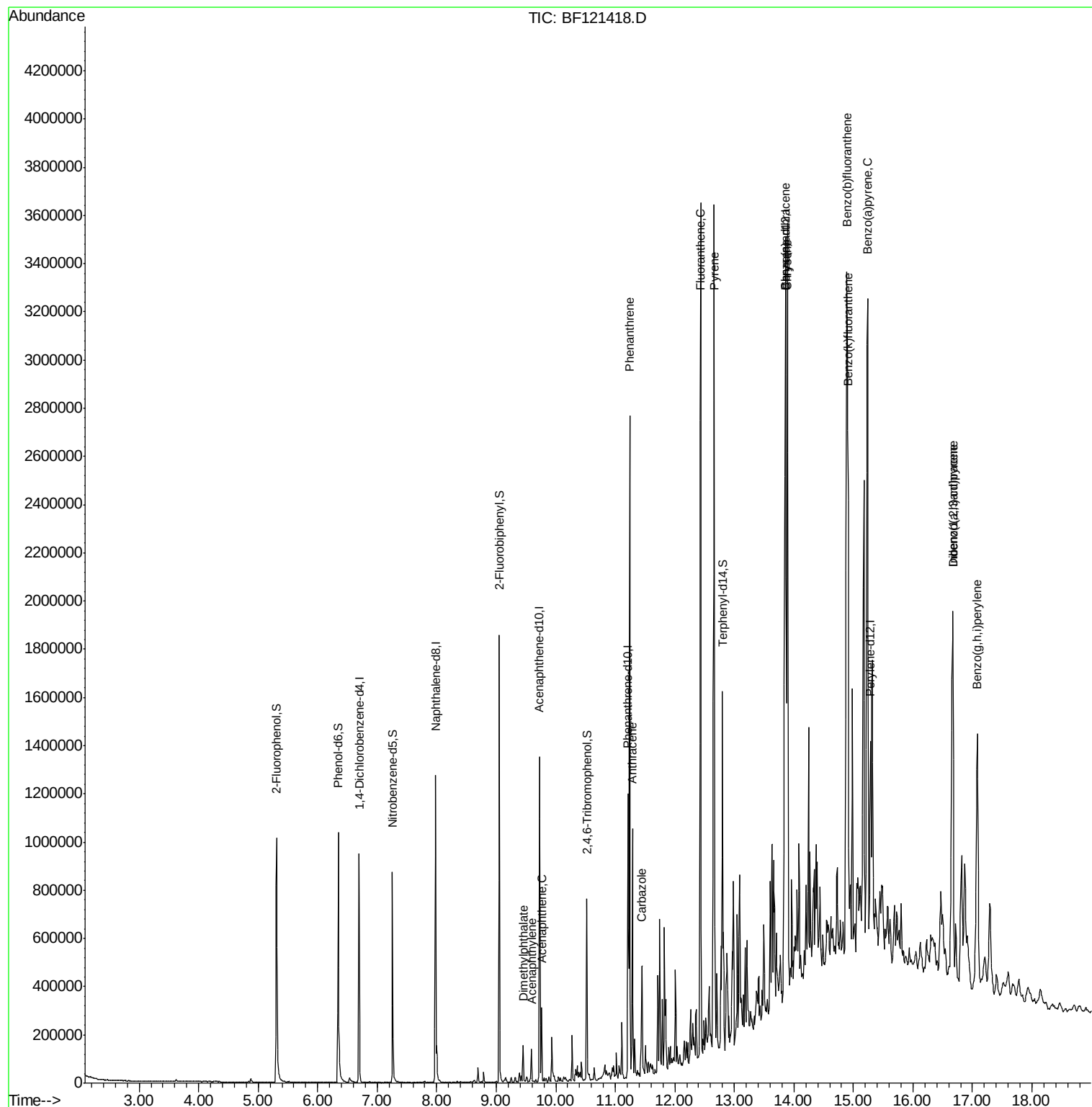
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121418.D
Acq On : 25 Aug 2020 1:06
Operator : JU/CG
Sample : L3772-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

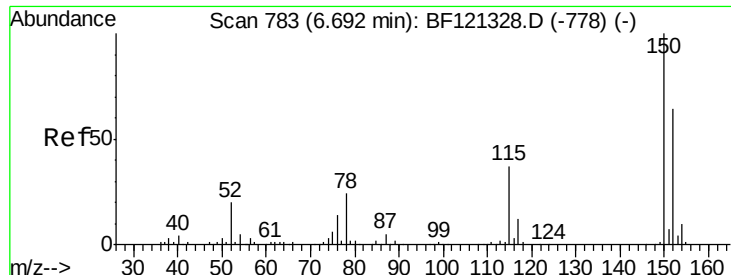
Instrument :
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#1

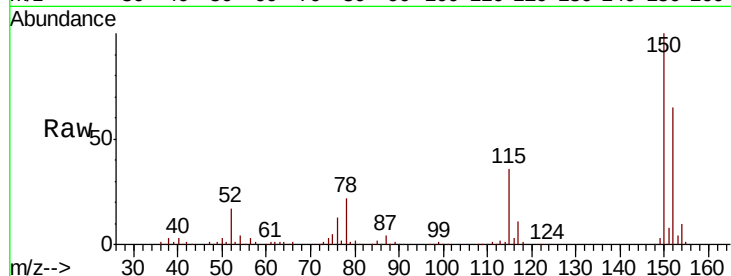
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF121418.D
Acq: 25 Aug 2020 1:06

Instrument :
BNA_F
ClientSampleId :
349-346

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.8	187.2
115	55.8	46.1	69.1

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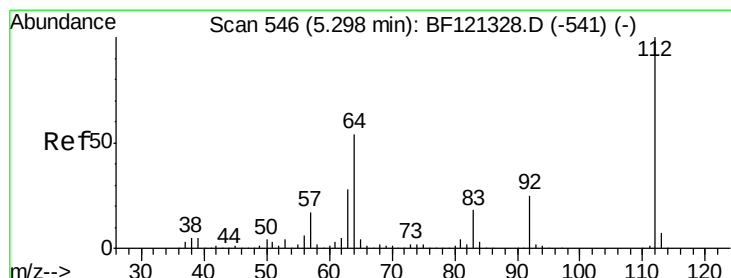
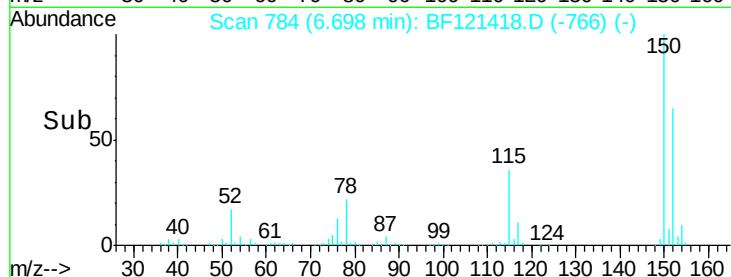
Abundance

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

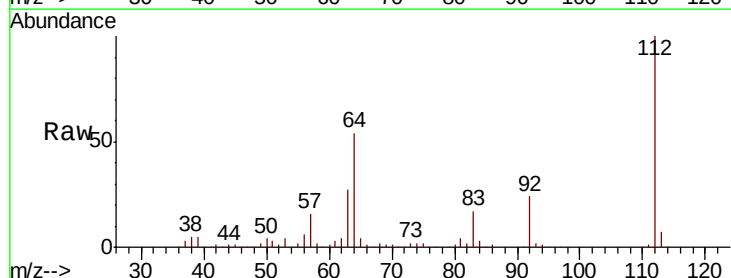
Time-->



#5

2-Fluorophenol
Concen: 39.690 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121418.D
Acq: 25 Aug 2020 1:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	43.5	65.3
63	27.1	22.0	33.0



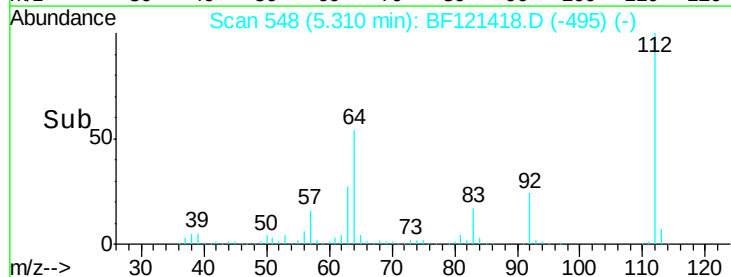
Abundance

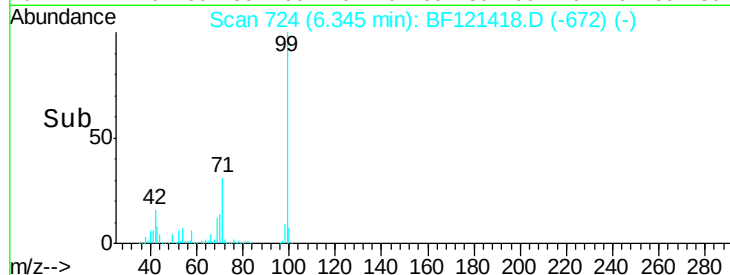
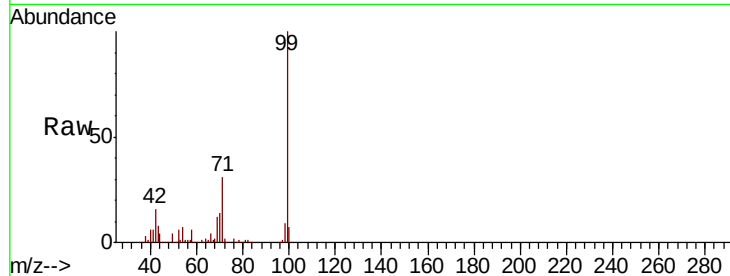
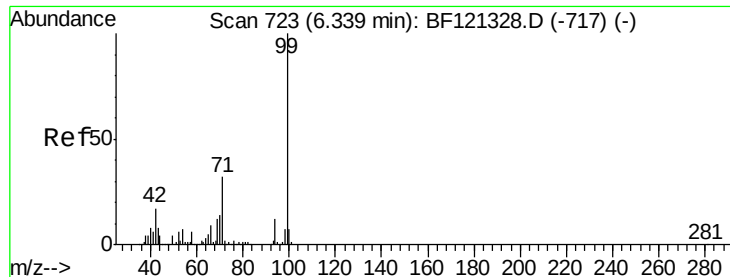
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 39.161 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Tot Ion:	99	Resp:	456877
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.5	20.3
71	30.7	25.2	37.8

Instrument :

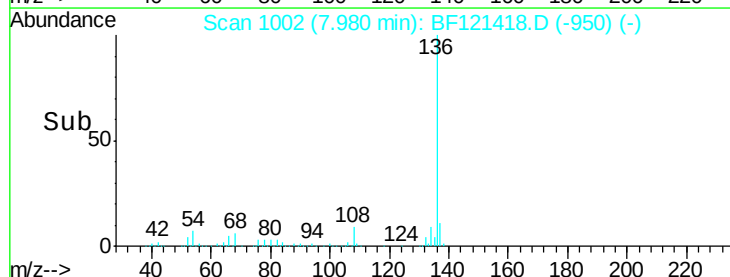
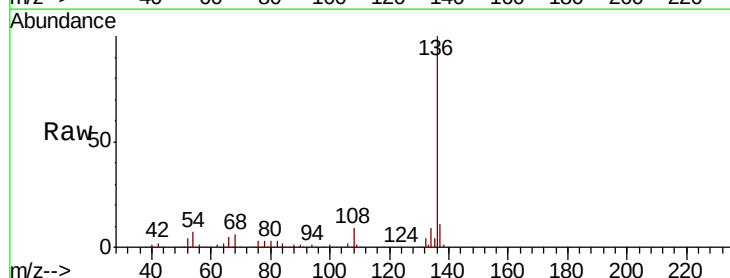
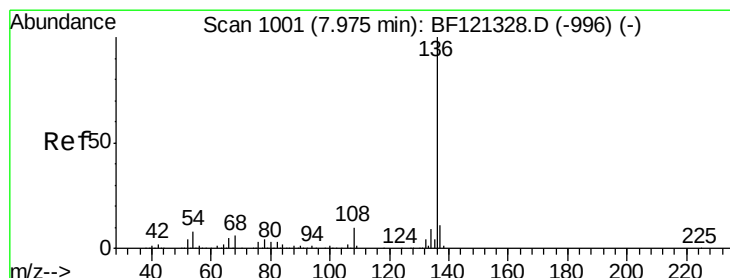
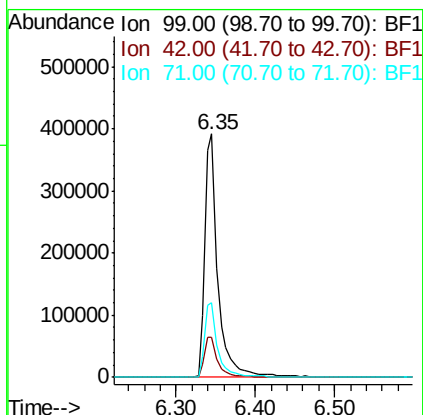
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ClientSampled :

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#21

Naphthalene-d8

Concen: 20.000 ng

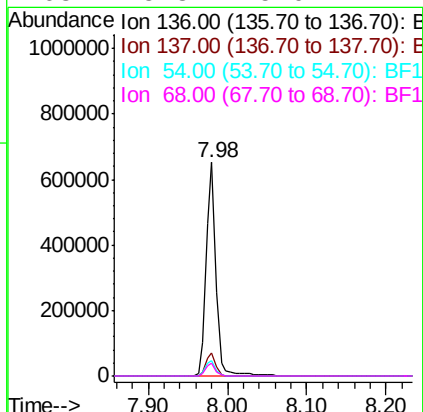
RT: 7.98 min Scan# 1002

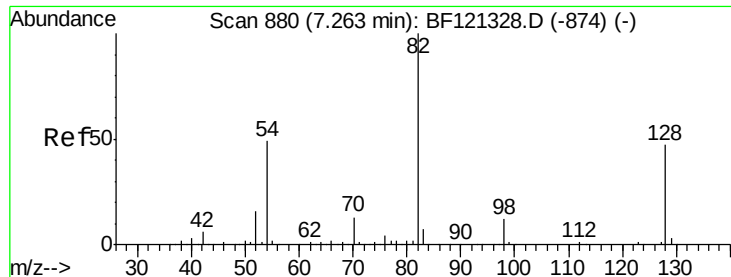
Delta R.T. 0.01 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Tgt Ion:	136	Resp:	568852
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	6.1	9.1
68	5.8	5.0	7.4





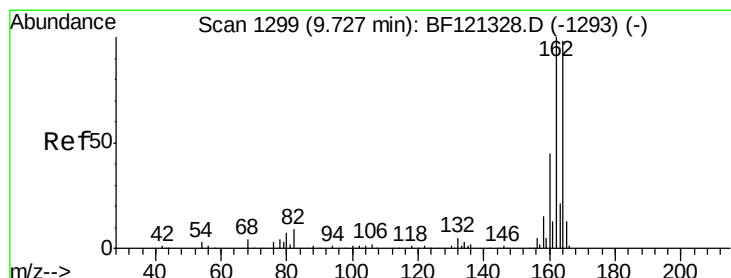
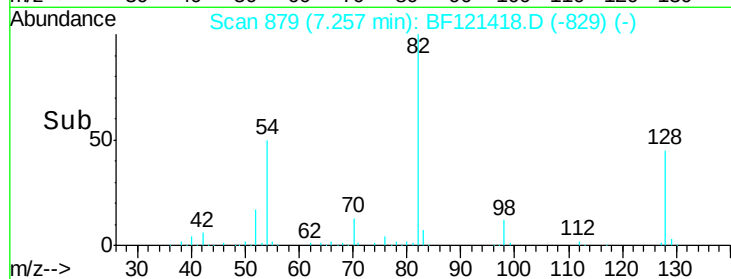
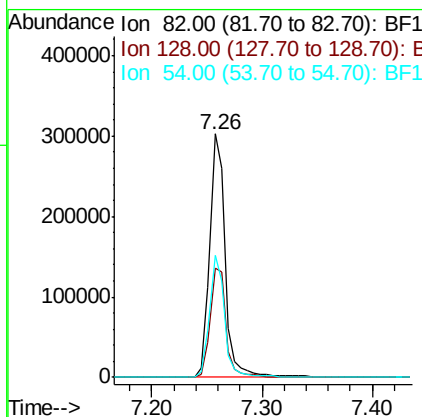
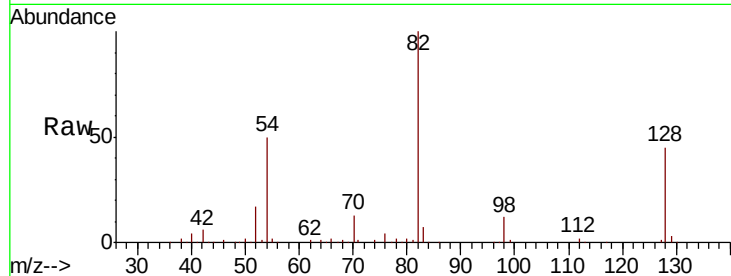
#23
 Nitrobenzene-d5
 Concen: 28.533 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF121418.D
 Acq: 25 Aug 2020 1:06

Instrument :
 BNA_F
 ClientSampled :
 349-346

Tot Ion	Ratio	Resp	Lower	Upper
82	100	286988		
128	44.8		37.9	56.9
54	50.2		39.0	58.4

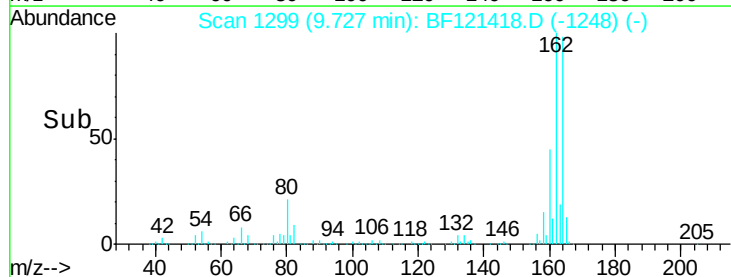
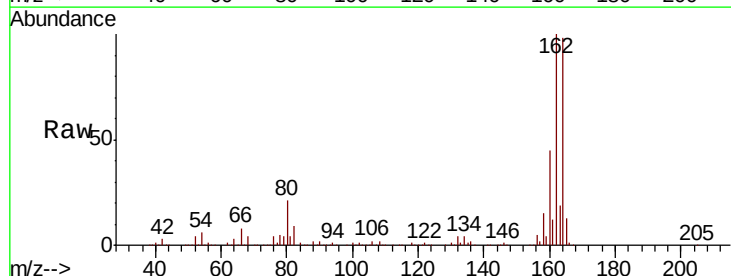
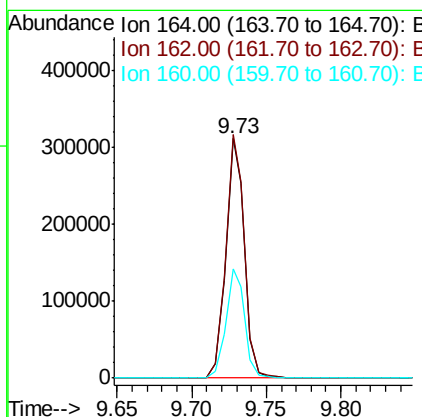
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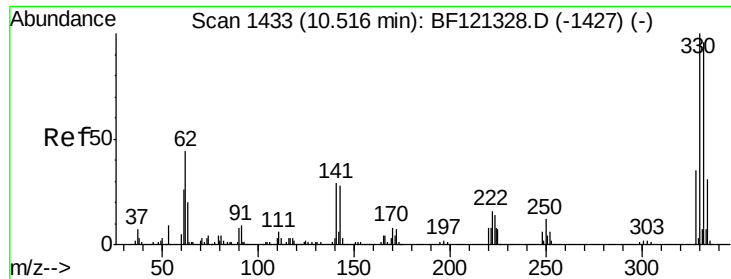
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BF121418.D
 Acq: 25 Aug 2020 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	274166		
162	101.6		81.7	122.5
160	45.3		37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 29.907 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Instrument :

BNA_F

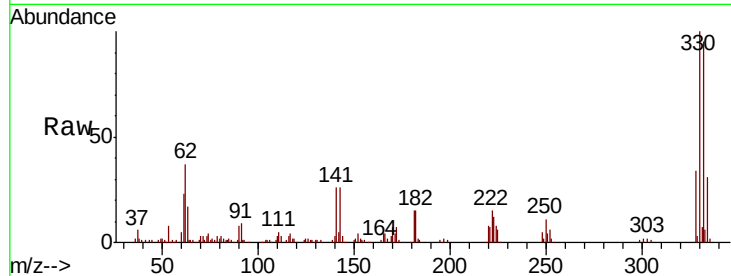
ClientSampled :

349-346

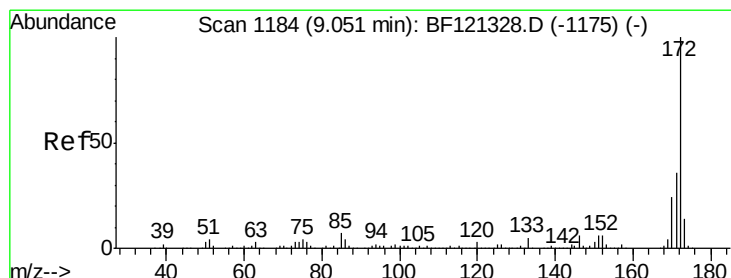
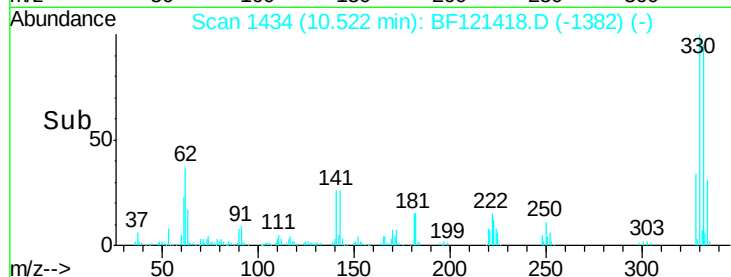
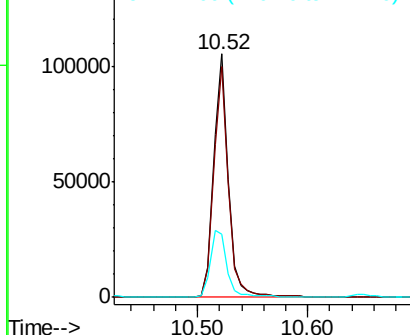
Tot Ion:	330	Resp:	95551
Ion Ratio	Lower	Upper	
330	100		
332	94.9	76.9	115.3
141	31.6	22.8	34.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 30.499 ng

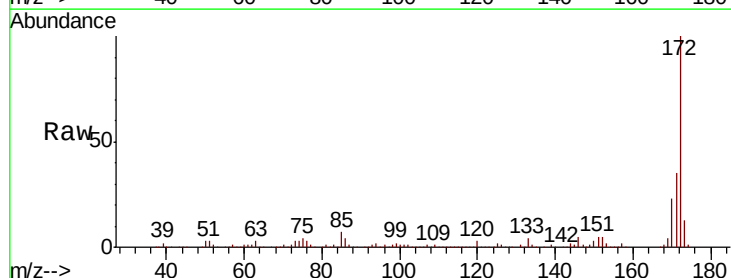
RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

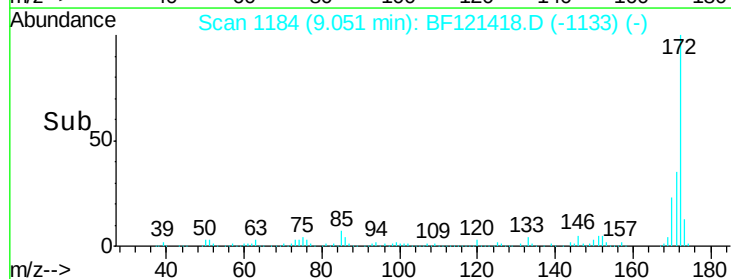
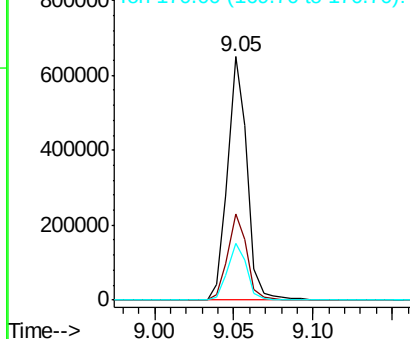
Lab File: BF121418.D

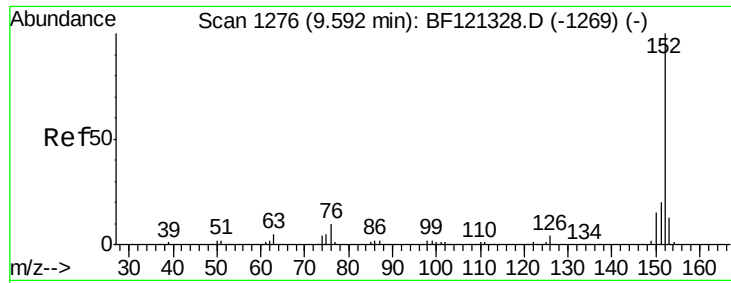
Acq: 25 Aug 2020 1:06

Tgt Ion:	172	Resp:	553963
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.0	43.6
170	23.3	19.4	29.2



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.233 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Instrument :

BNA_F

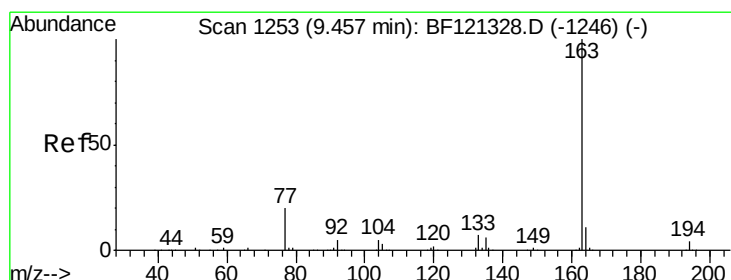
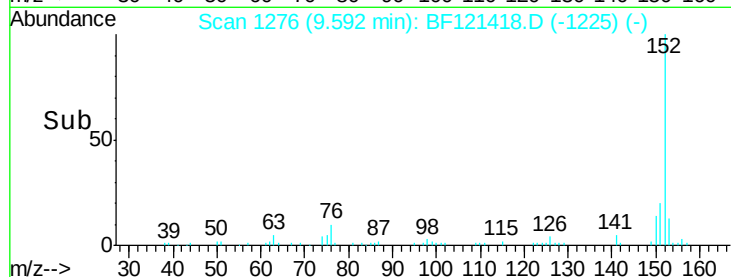
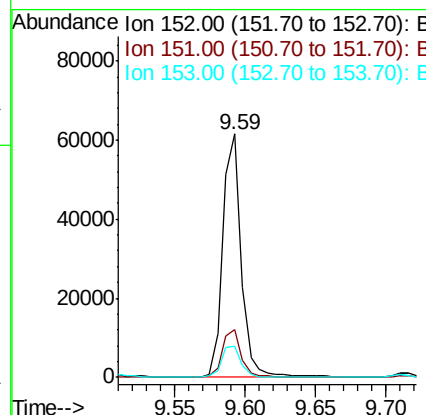
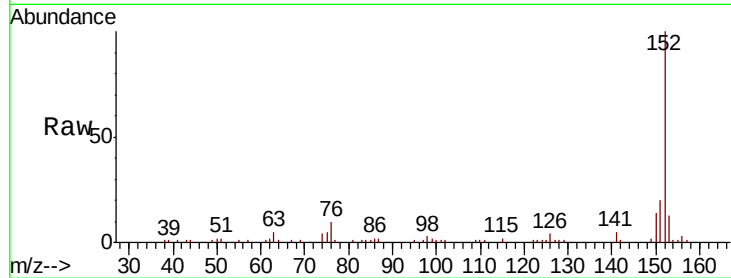
ClientSampleId :

349-346

Tot Ion:	152	Resp:	56161
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.4	24.6
153	12.6	10.6	16.0

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#50

Dimethylphthalate

Concen: 2.978 ng

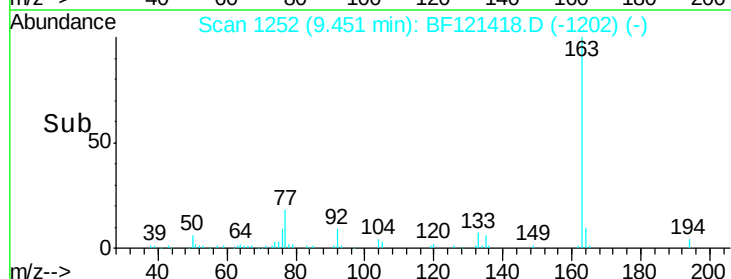
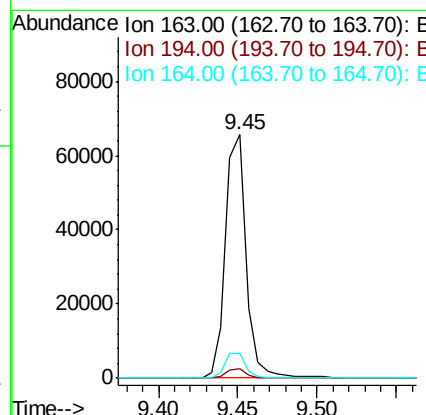
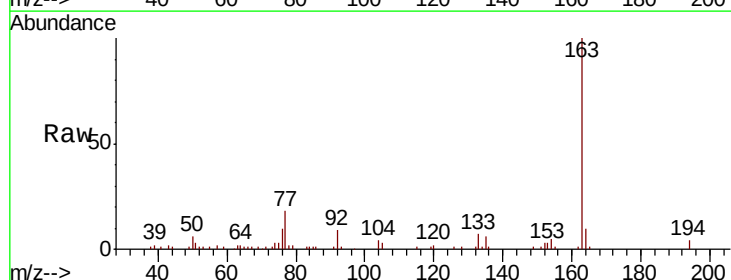
RT: 9.45 min Scan# 1252

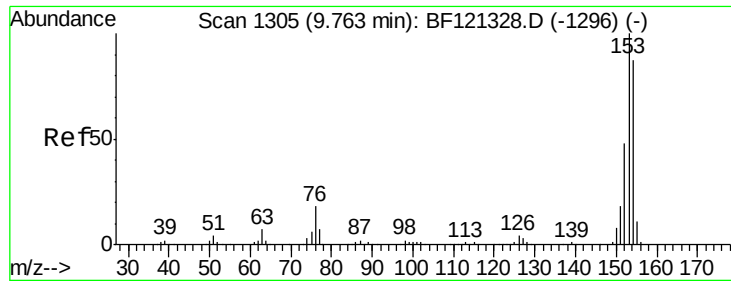
Delta R.T. -0.01 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Tgt Ion:	163	Resp:	59393
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	10.1	8.4	12.6





#52

Acenaphthene

Concen: 4.050 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Instrument :

BNA_F

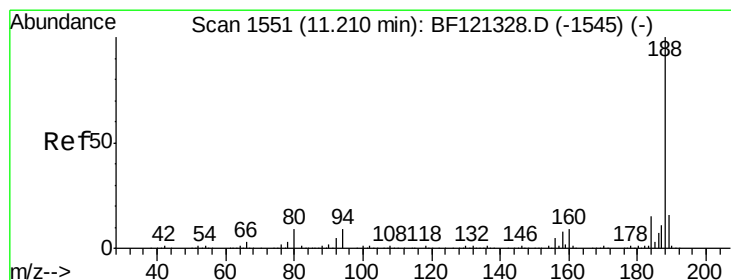
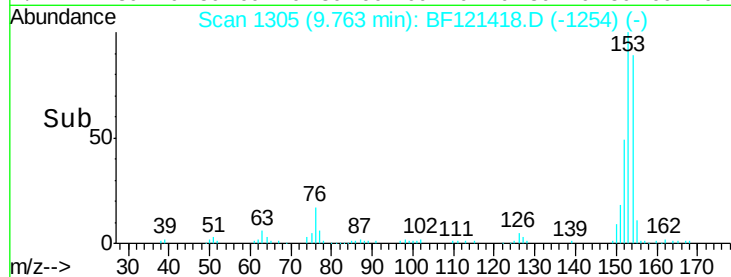
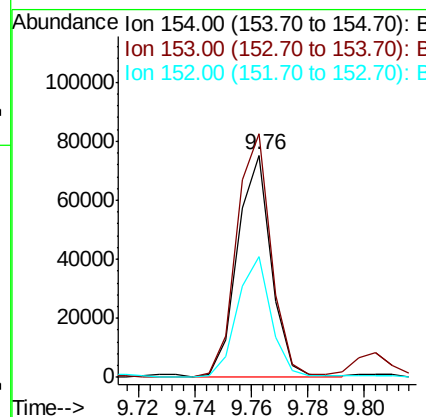
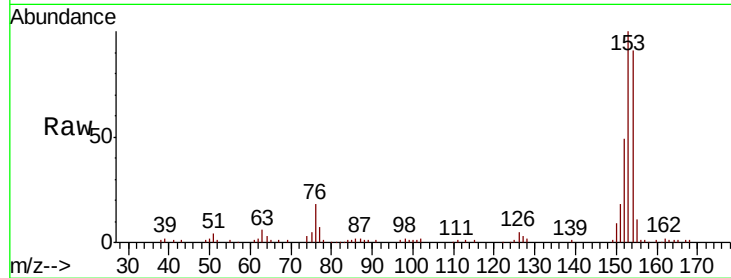
ClientSampled :

349-346

Tot Ion:	154	Resp:	61878
Ion Ratio	Lower	Upper	
154	100		
153	109.7	92.0	138.0
152	54.1	44.6	66.8

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#64

Phenanthrene-d10

Concen: 20.000 ng

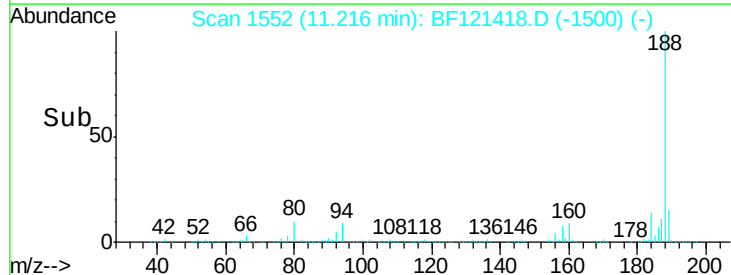
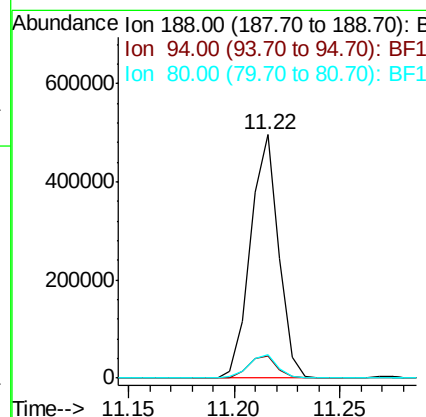
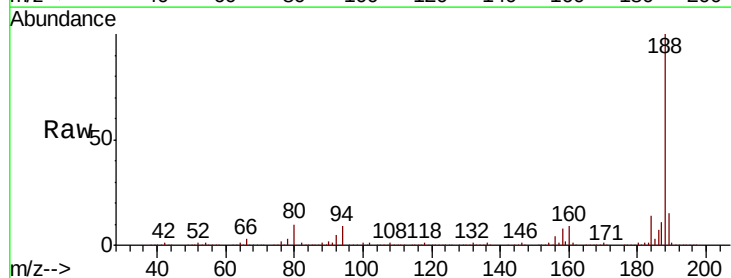
RT: 11.22 min Scan# 1552

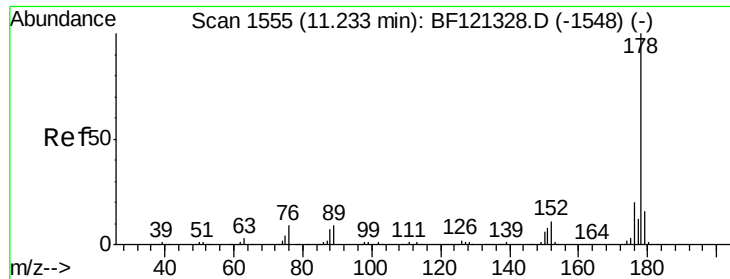
Delta R.T. 0.01 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Tgt Ion:	188	Resp:	458728
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.2	10.8
80	9.7	7.4	11.0





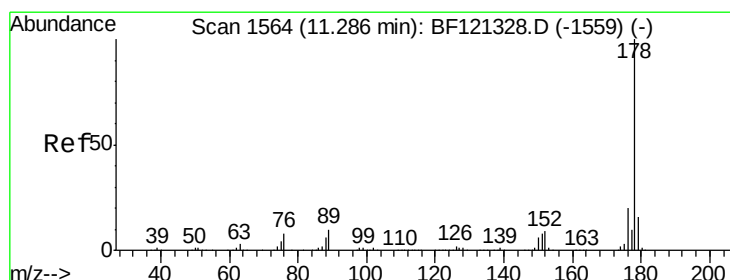
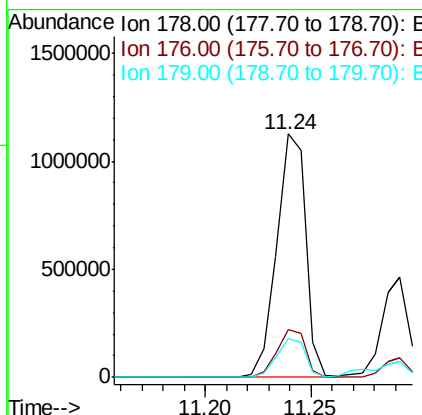
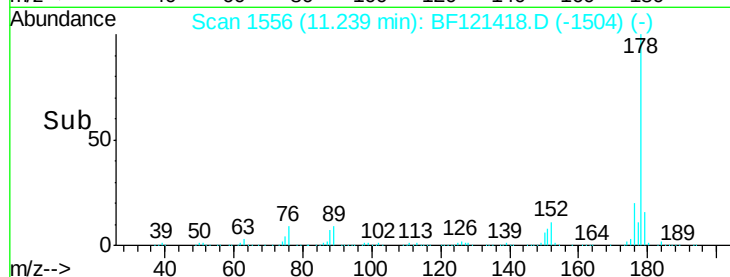
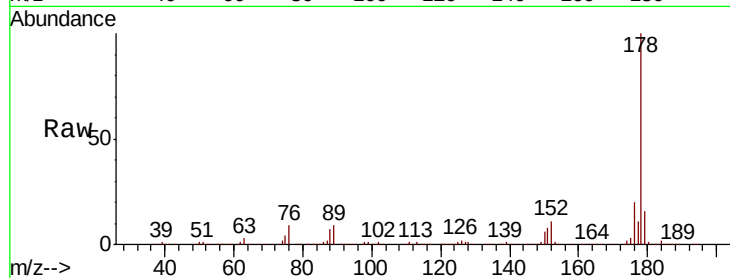
#71
Phenanthrene
Concen: 45.518 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF121418.D
Acq: 25 Aug 2020 1:06

Instrument :
BNA_F
ClientSampled :
349-346

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.8	12.8	19.2

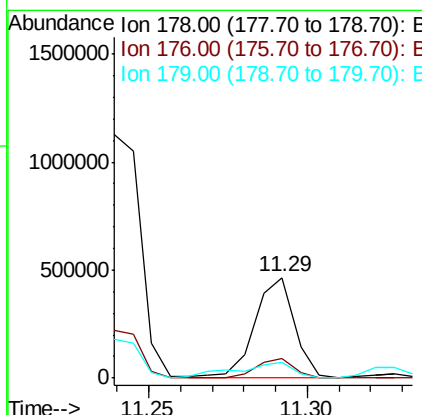
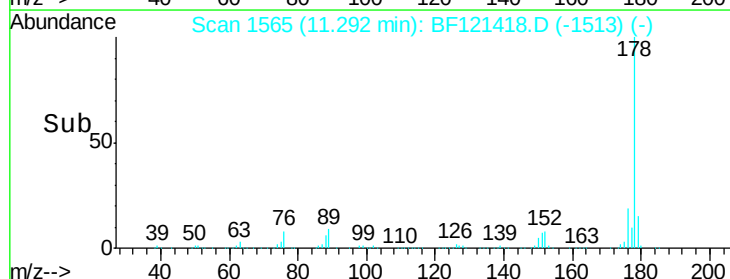
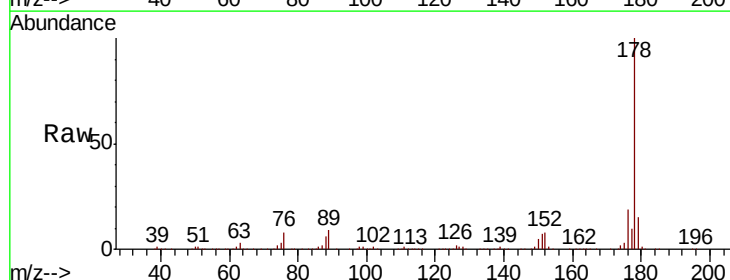
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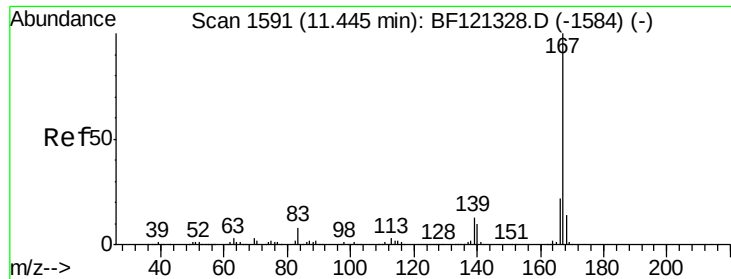
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#72
Anthracene
Concen: 17.612 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.01 min
Lab File: BF121418.D
Acq: 25 Aug 2020 1:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.2	12.8	19.2





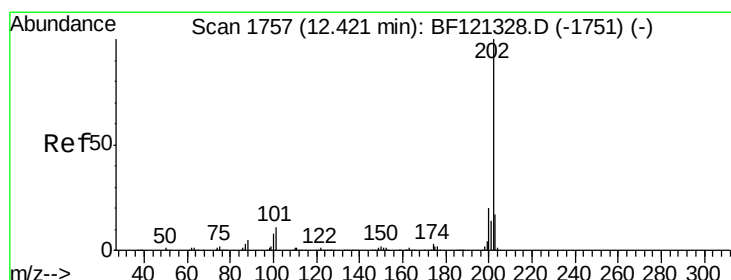
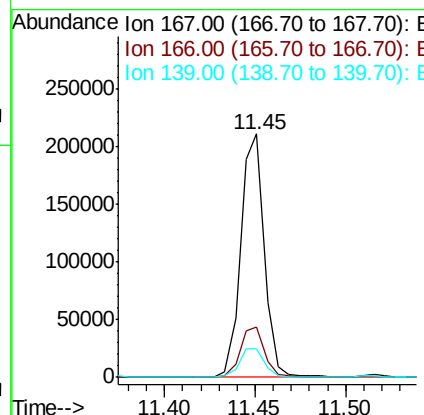
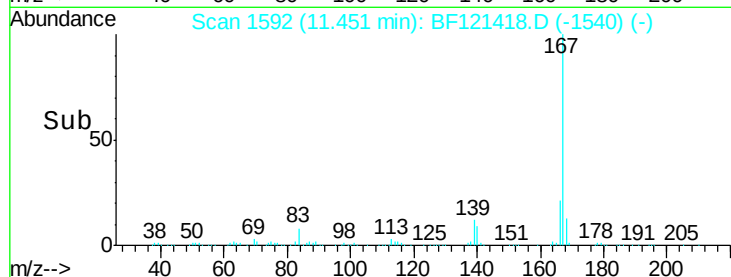
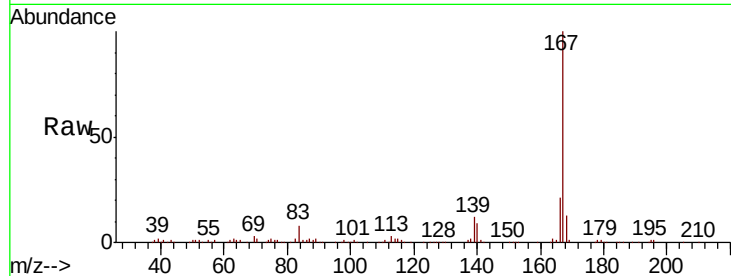
#73
 Carbazole
 Concen: 8.736 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BF121418.D
 Acq: 25 Aug 2020 1:06

Instrument :
 BNA_F
 ClientSampled :
 349-346

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.7	26.5
139	11.8	10.2	15.2

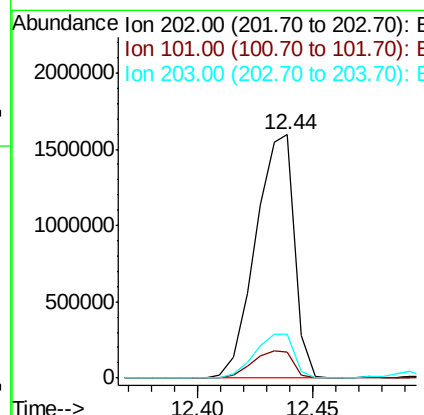
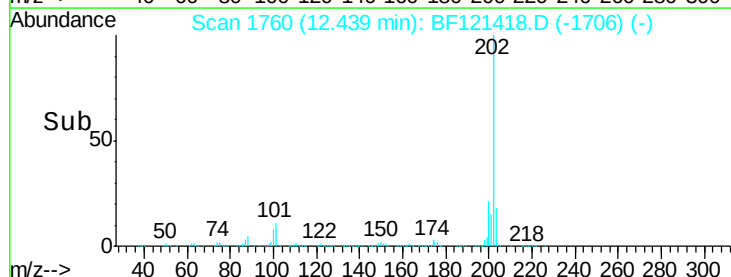
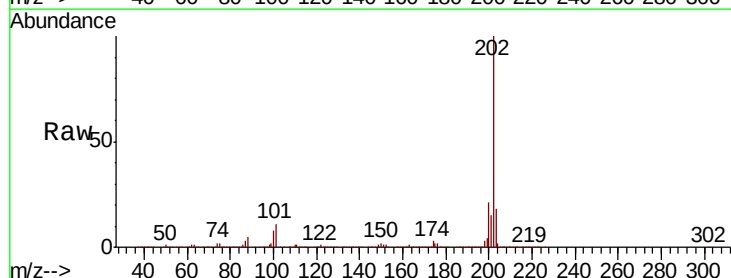
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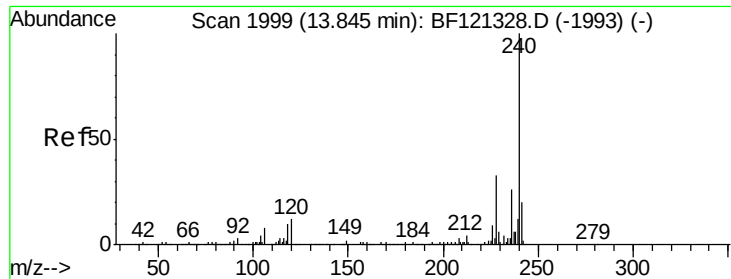
mohammad
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#75
 Fluoranthene
 Concen: 72.452 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. 0.02 min
 Lab File: BF121418.D
 Acq: 25 Aug 2020 1:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.6
203	18.1	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.02 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Instrument :

BNA_F

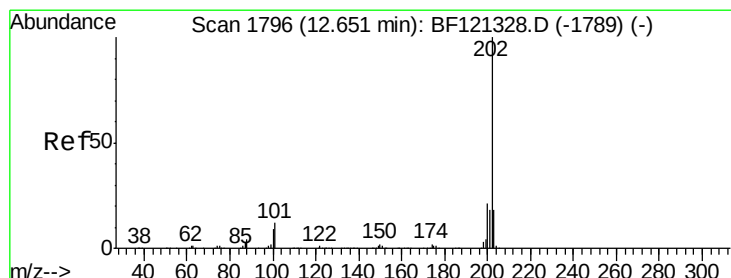
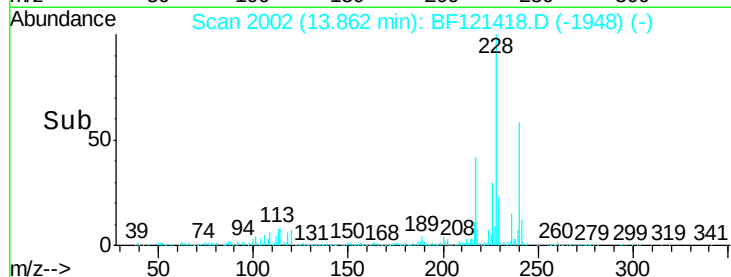
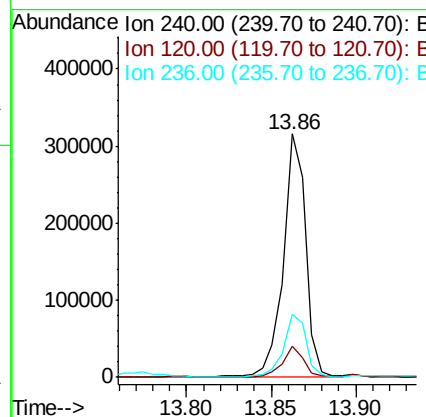
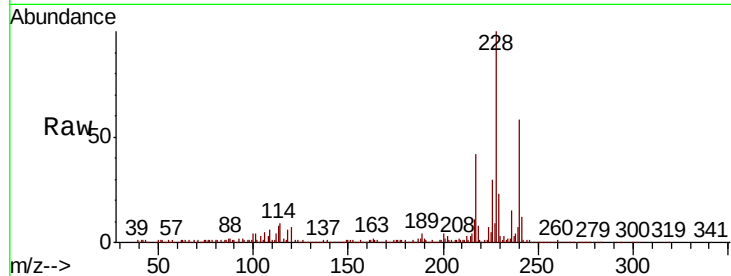
ClientSampleId :

349-346

Tot Ion:	240	Resp:	287660
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.6	14.4
236	25.8	20.6	31.0

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#78

Pyrene

Concen: 86.141 ng

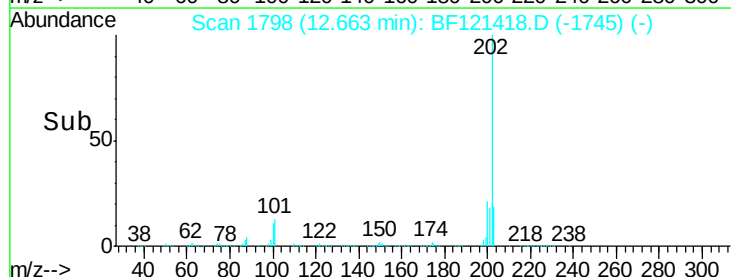
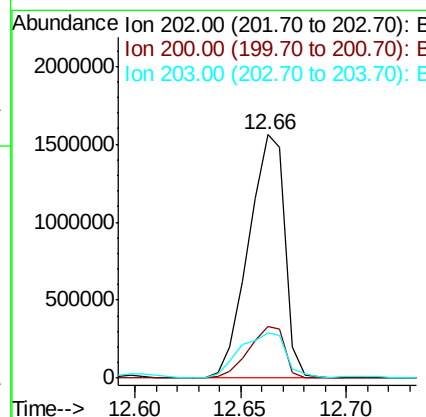
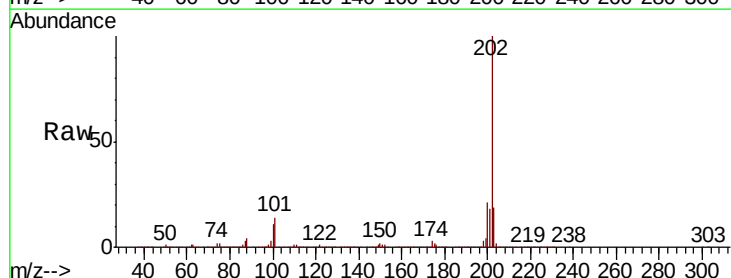
RT: 12.66 min Scan# 1798

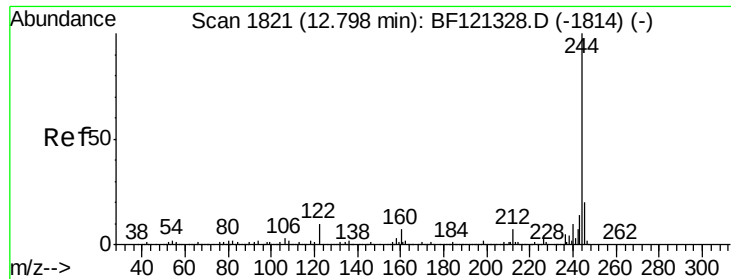
Delta R.T. 0.01 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Tgt Ion:	202	Resp:	1861342
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.6	24.8
203	18.8	14.2	21.2





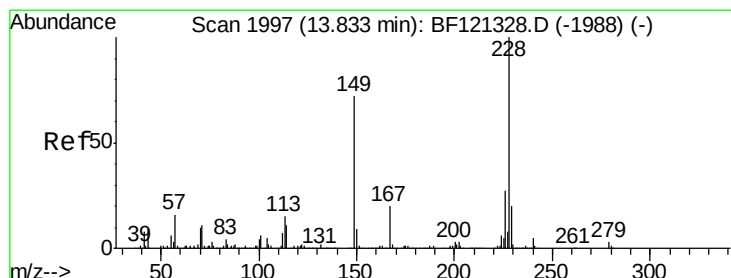
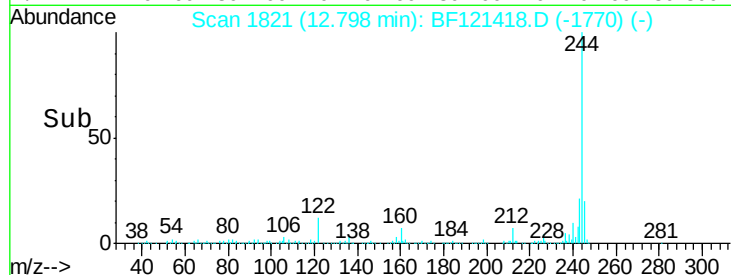
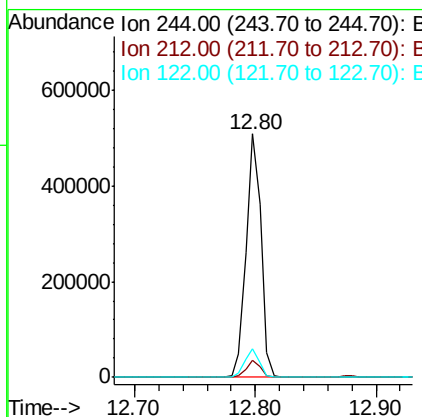
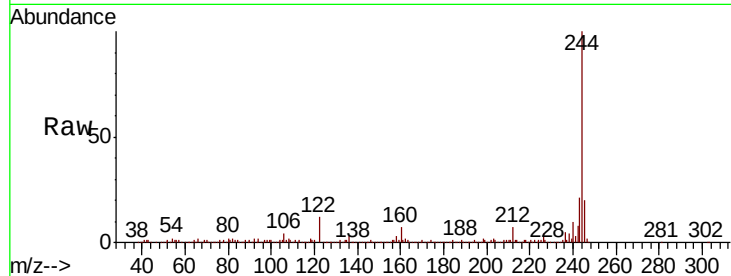
#79
 Terphenyl-d14
 Concen: 29.914 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF121418.D
 Acq: 25 Aug 2020 1:06

Instrument :
 BNA_F
 ClientSampleId :
 349-346

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.8	7.8	11.8

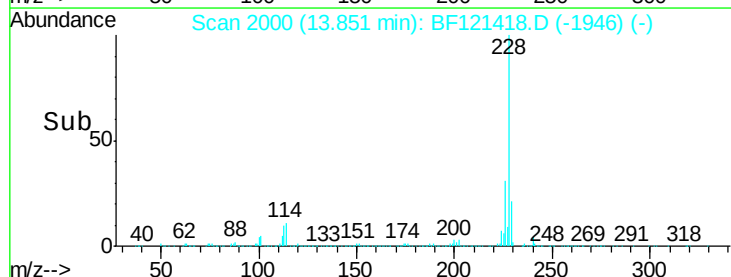
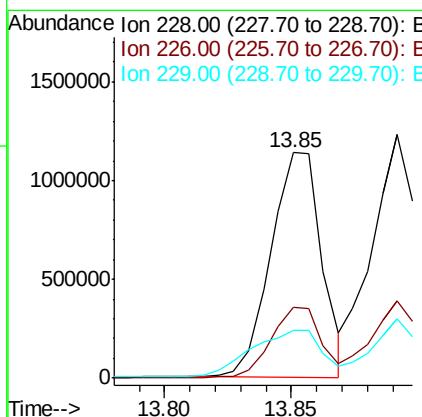
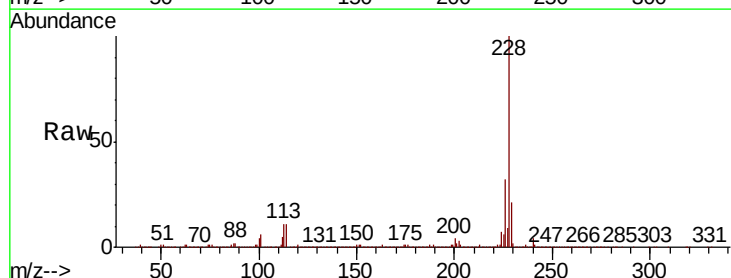
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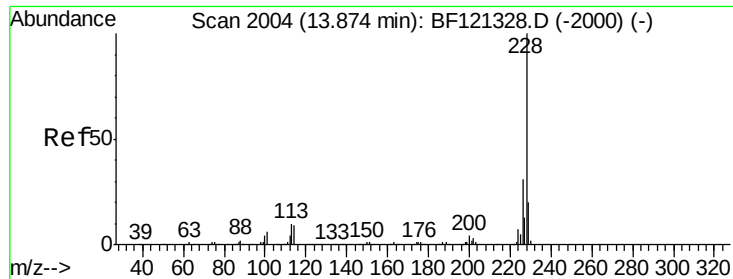
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#81
 Benzo(a)anthracene
 Concen: 88.454 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. 0.02 min
 Lab File: BF121418.D
 Acq: 25 Aug 2020 1:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.8	32.6
229	21.2	15.8	23.8





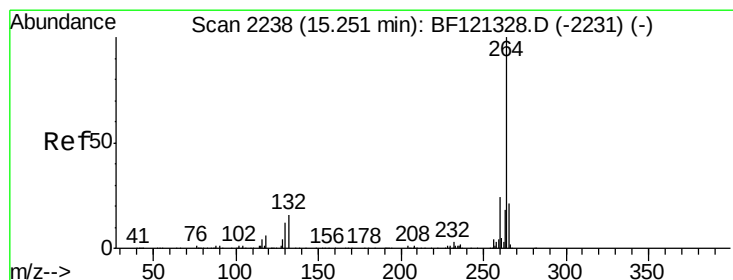
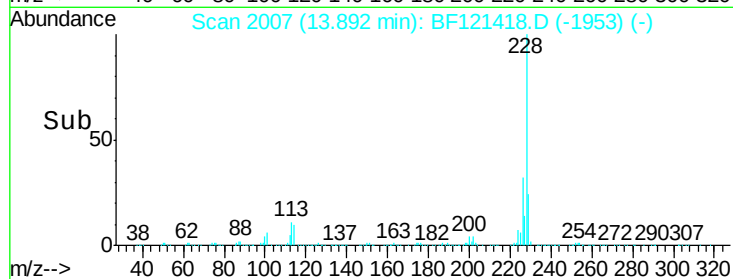
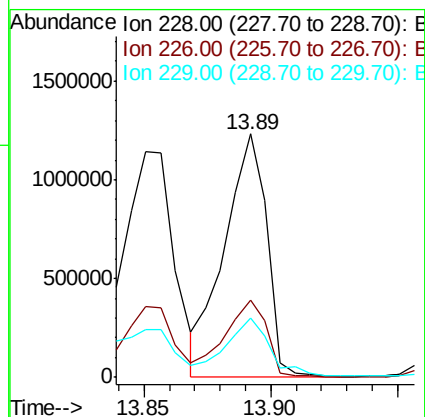
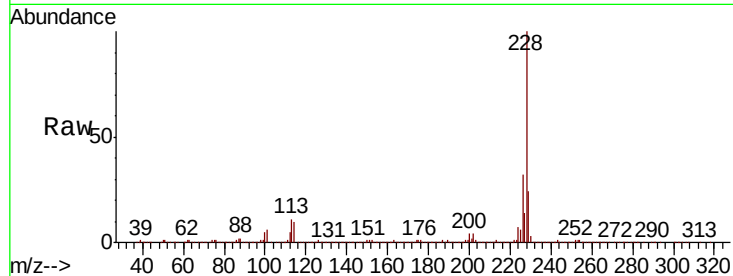
#83
Chrysene
Concen: 78.062 ng/ml
RT: 13.89 min Scan# 2007
Delta R.T. 0.02 min
Lab File: BF121418.D
Acq: 25 Aug 2020 1:06

Instrument :
BNA_F
ClientSampleId :
349-346

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.6	36.8
229	24.2	15.9	23.9

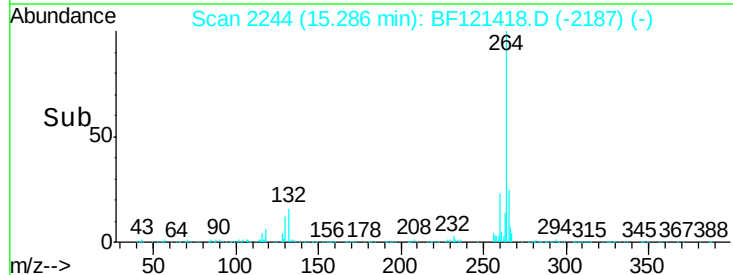
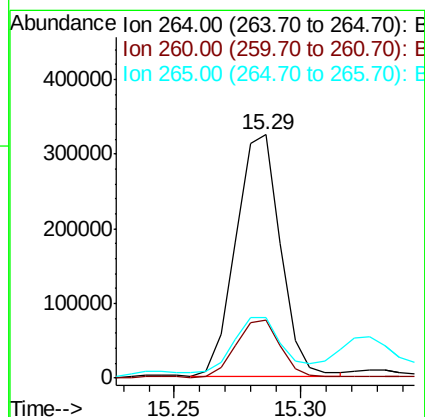
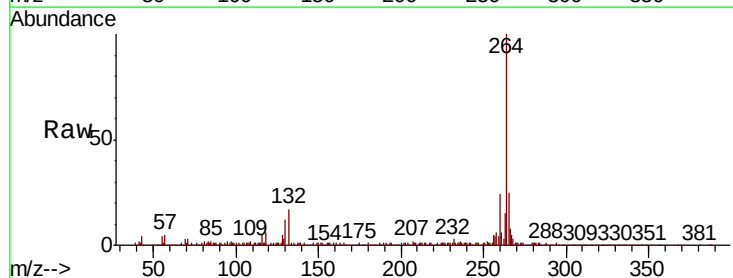
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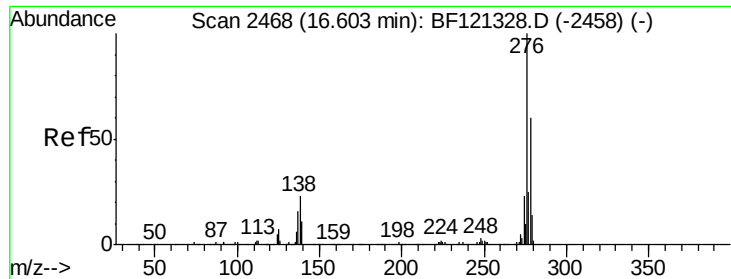
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.04 min
Lab File: BF121418.D
Acq: 25 Aug 2020 1:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	25.0	17.1	25.7





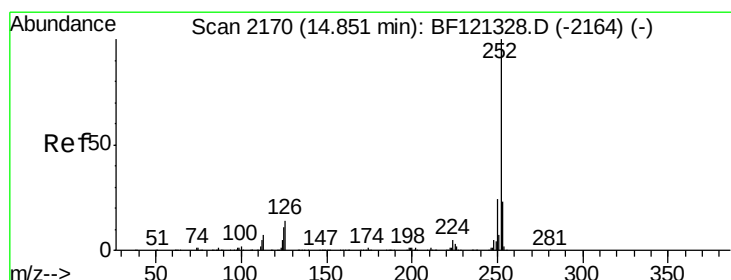
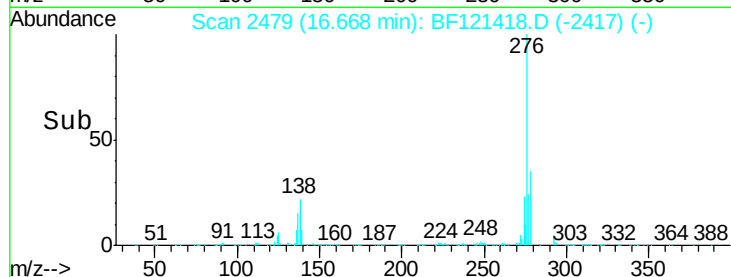
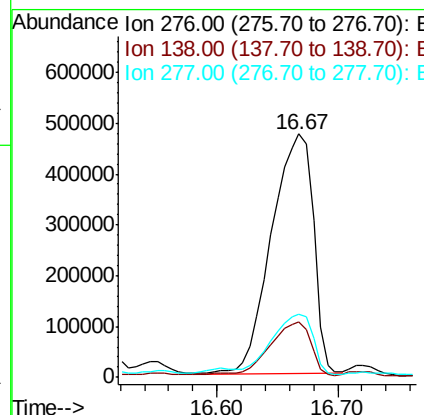
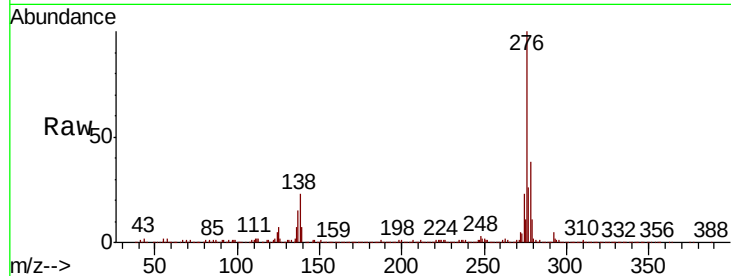
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 47.150 ng
 RT: 16.67 min Scan# 2479
 Delta R.T. 0.06 min
 Lab File: BF121418.D
 Acq: 25 Aug 2020 1:06

Instrument :
 BNA_F
 ClientSampleId :
 349-346

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	19.4	29.0
277	24.0	19.9	29.9

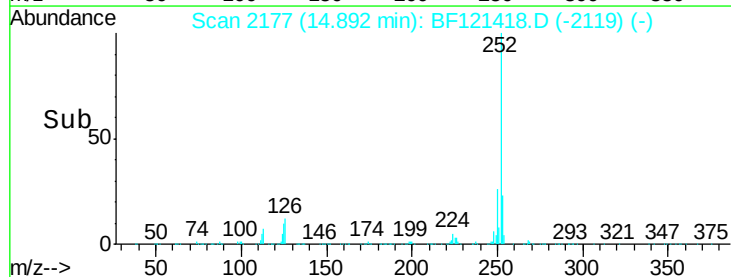
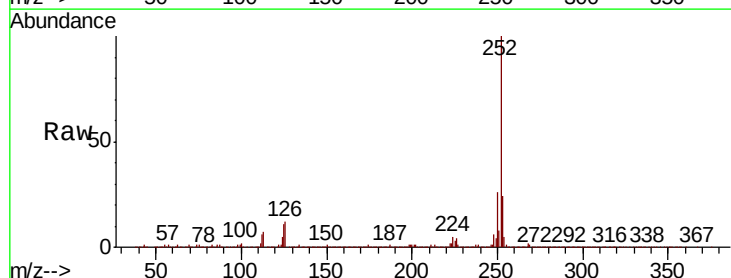
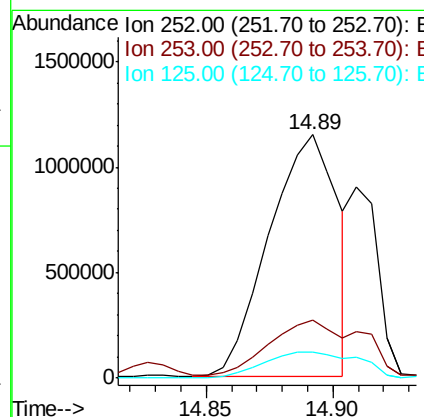
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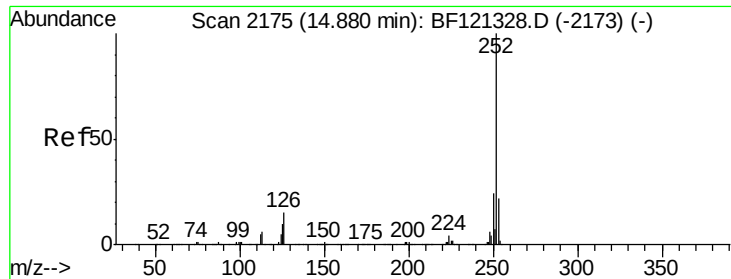
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 84.562 ng m
 RT: 14.89 min Scan# 2177
 Delta R.T. 0.04 min
 Lab File: BF121418.D
 Acq: 25 Aug 2020 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	10.7	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 30.069 ng

RT: 14.91 min Scan# 2180

Delta R.T. 0.03 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Instrument :

BNA_F

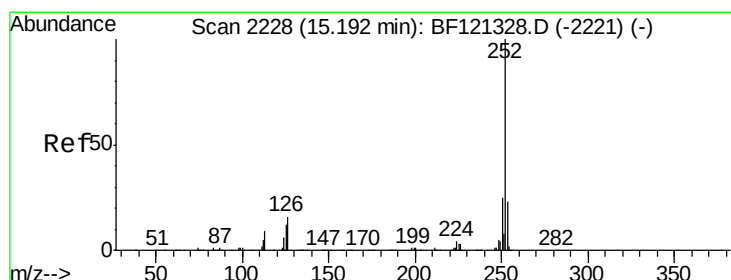
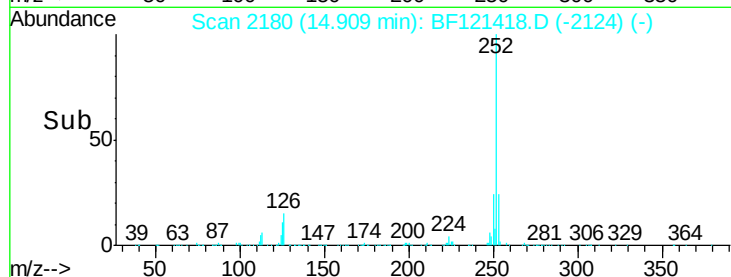
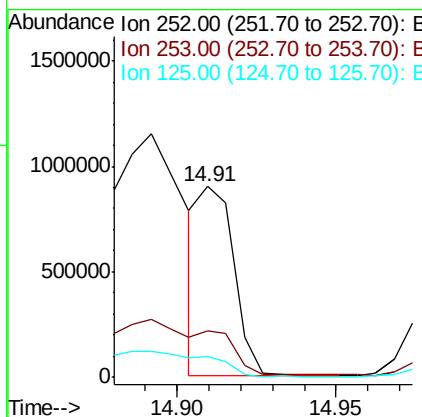
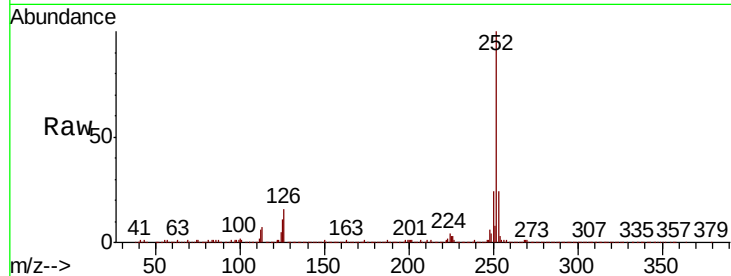
ClientSampleId :

349-346

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	10.9	8.6	12.8

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#90

Benzo(a)pyrene

Concen: 75.057 ng

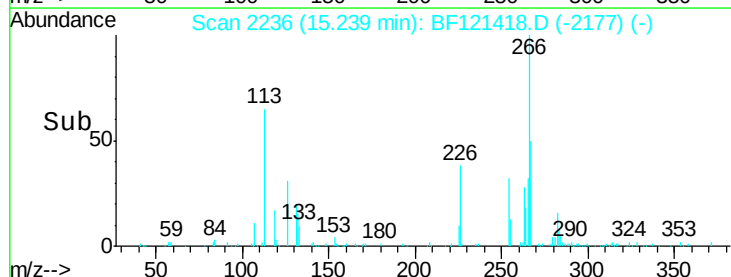
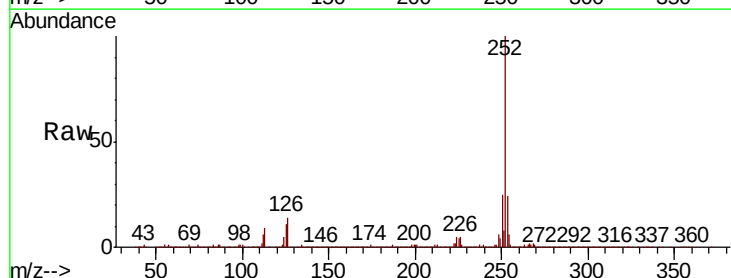
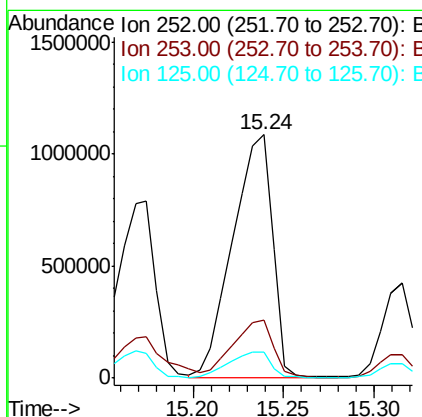
RT: 15.24 min Scan# 2236

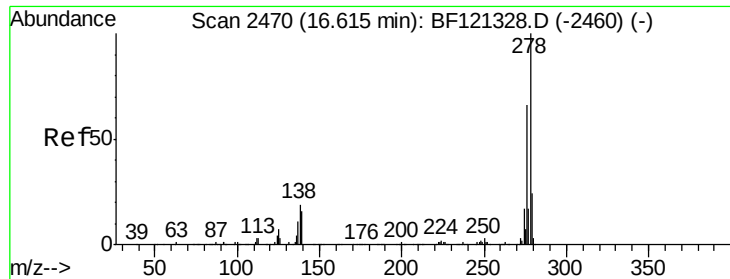
Delta R.T. 0.05 min

Lab File: BF121418.D

Acq: 25 Aug 2020 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	10.5	9.4	14.0





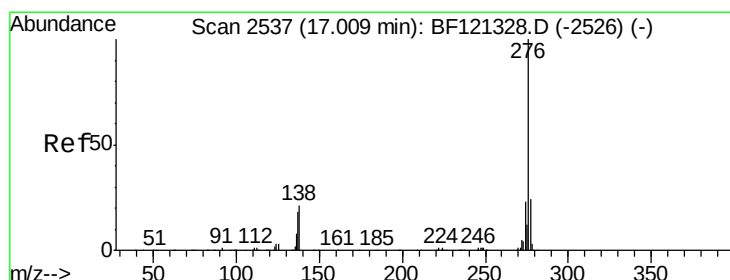
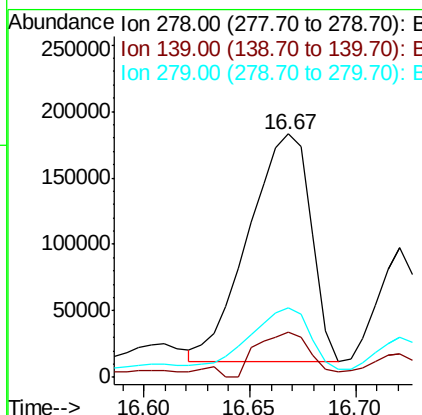
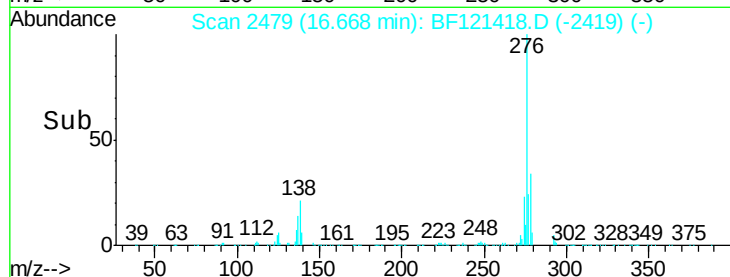
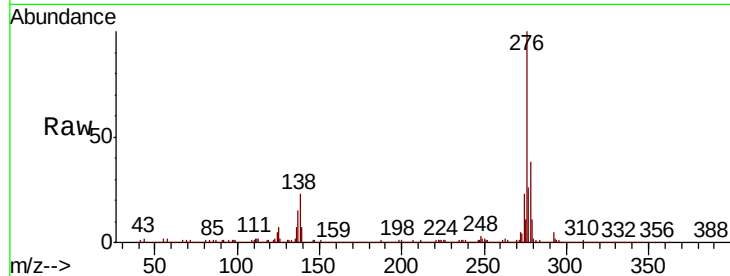
#91
Dibenzo(a,h)anthracene
Concen: 17.762 ng
RT: 16.67 min Scan# 2479
Delta R.T. 0.05 min
Lab File: BF121418.D
Acq: 25 Aug 2020 1:06

Instrument :
BNA_F
ClientSampleId :
349-346

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.4	13.1	19.7
279	28.5	19.4	29.2

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#92
Benzo(g,h,i)perylene
Concen: 49.134 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.08 min
Lab File: BF121418.D
Acq: 25 Aug 2020 1:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.3	28.9
138	21.2	16.8	25.2

