

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
 Data File : BF120201.D
 Acq On : 24 Apr 2020 14:45
 Operator : MA/SJ
 Sample : L2377-01 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MILL-1

Manual Integrations
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Quant Time: Apr 24 16:09:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 10:24:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	130340	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	495684	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	232444	20.00	ng	0.00
64) Phenanthrene-d10	11.18	188	378913	20.00	ng	0.00
76) Chrysene-d12	13.82	240	248504	20.00	ng	-0.01
87) Perylene-d12	15.22	264	231346	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	49699	6.59	ng	0.00
7) Phenol-d6	6.32	99	65725	6.76	ng	0.00
23) Nitrobenzene-d5	7.22	82	42680	4.45	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	13674	4.80	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	89751	5.48	ng	-0.01
79) Terphenyl-d14	12.76	244	73244	4.96	ng	-0.01
Target Compounds						
71) Phenanthrene	11.20	178	80412	3.987	ng	96
75) Fluoranthene	12.39	202	78537	3.609	ng	96
78) Pyrene	12.62	202	87320	4.168	ng	98
81) Benzo(a)anthracene	13.80	228	41745m	2.553	ng	
83) Chrysene	13.84	228	39696	2.390	ng	94
88) Benzo(b)fluoranthene	14.82	252	40179m	2.414	ng	
90) Benzo(a)pyrene	15.16	252	33869	2.420	ng	98

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

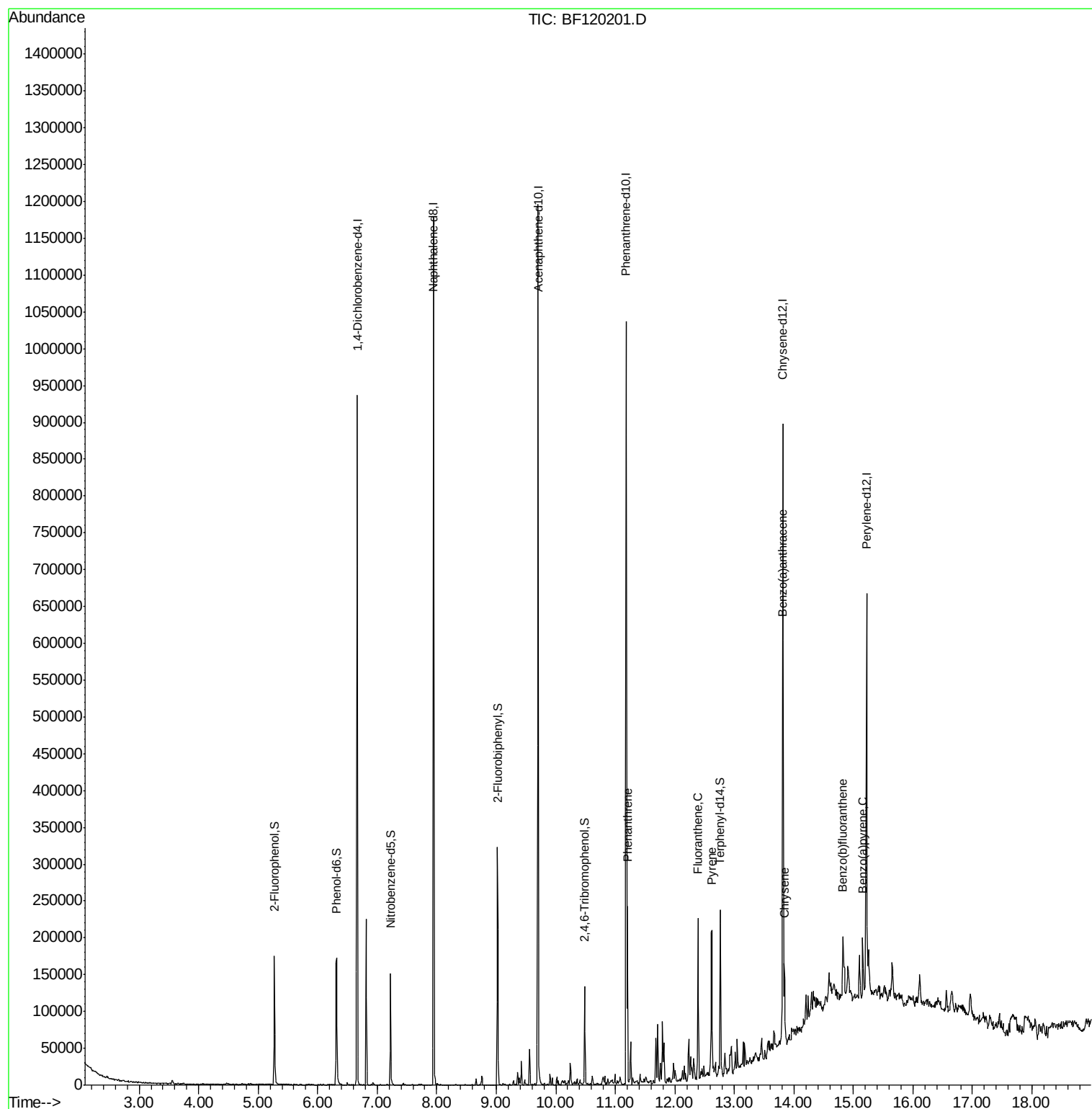
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120201.D
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Operator : MA/SJ
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Misc :
ALS Vial : 37 Sample Multiplier: 1

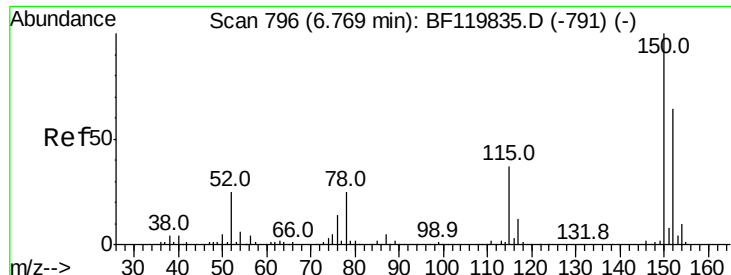
Instrument :
BNA_F
ClientSampleId :
MILL-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

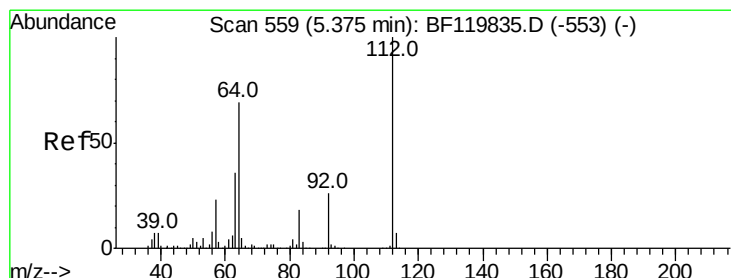
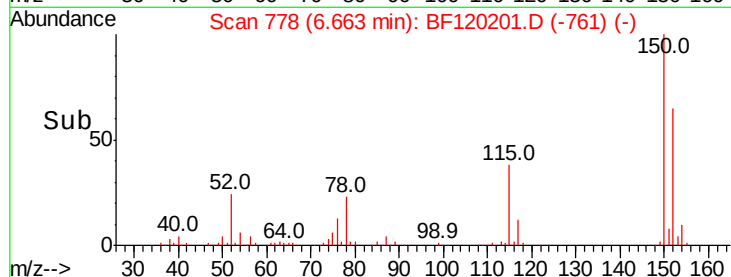
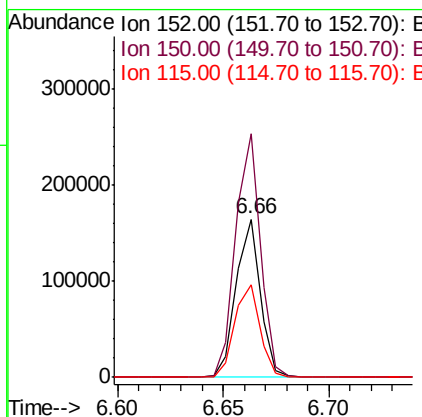
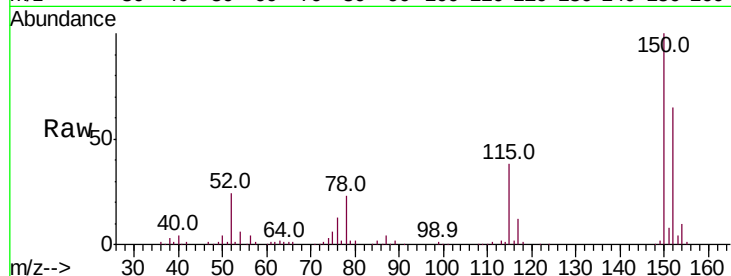
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BF120201.D
 Acq: 24 Apr 2020 14:45

Instrument :
 BNA_F
 ClientSampleId :
 MILL-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.5	186.7
115	58.4	49.6	74.4

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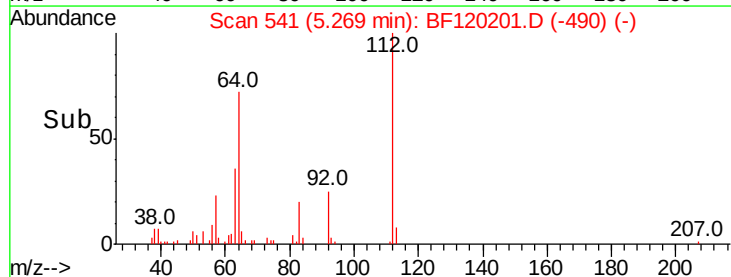
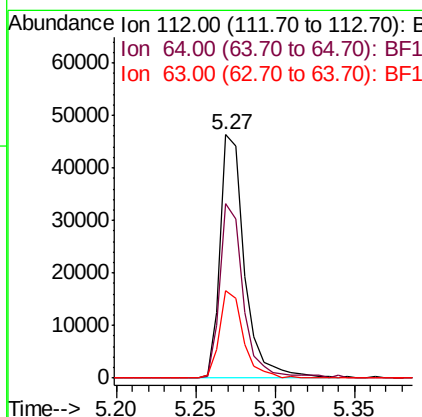
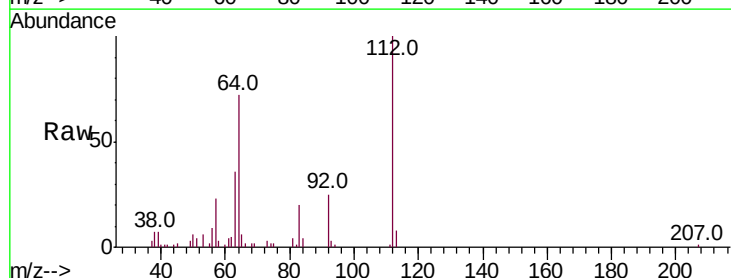
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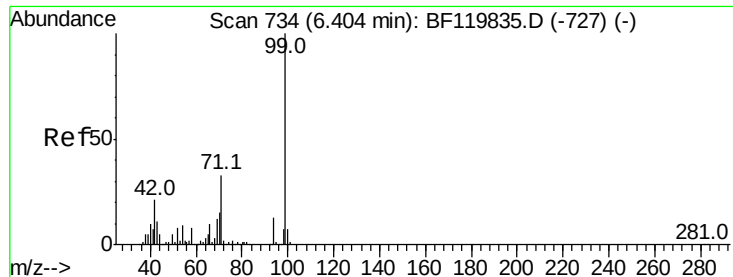


#5

2-Fluorophenol
 Concen: 6.590 ng
 RT: 5.27 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: BF120201.D
 Acq: 24 Apr 2020 14:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	56.7	85.1
63	36.0	29.5	44.3





#7

Phenol-d6

Concen: 6.763 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

Instrument :

BNA_F

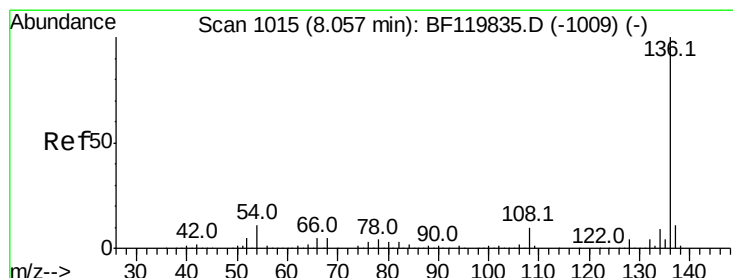
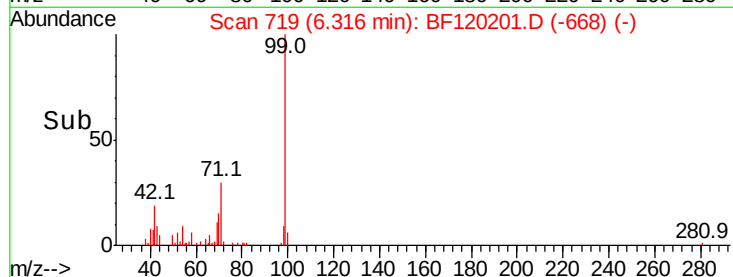
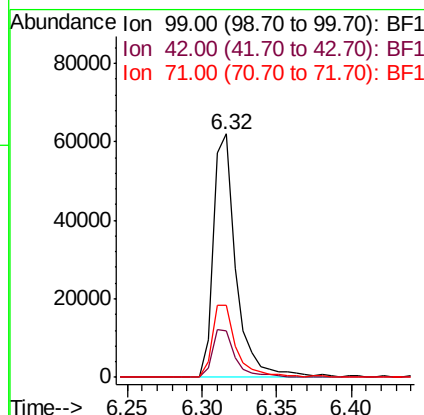
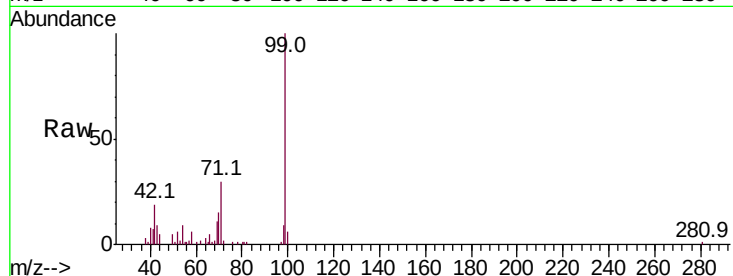
ClientSampleId :

MILL-1

Tot Ion:	99	Resp:	65725
Ion Ratio	Lower	Upper	
99	100		
42	19.1	16.6	24.8
71	29.7	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

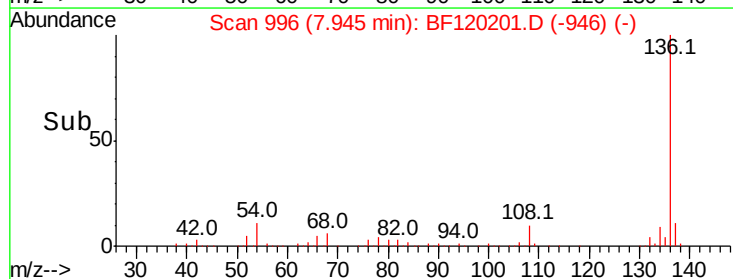
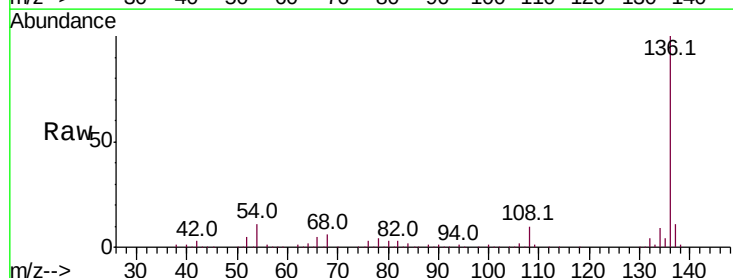
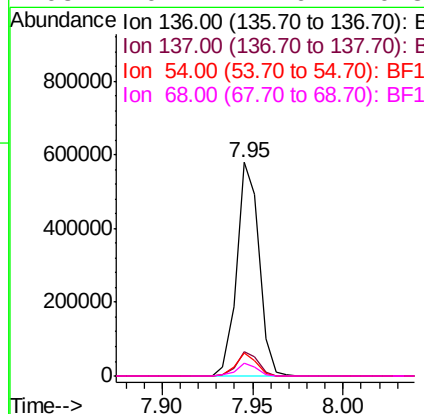
RT: 7.95 min Scan# 996

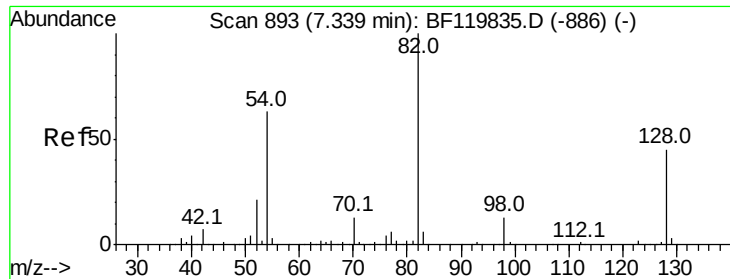
Delta R.T. -0.01 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

Tgt Ion:	136	Resp:	495684
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.7	13.1
54	11.1	9.1	13.7
68	6.1	4.6	6.8





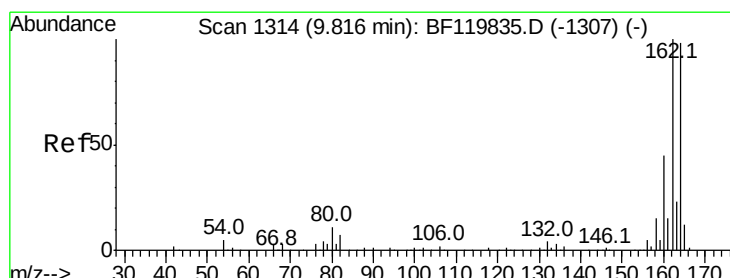
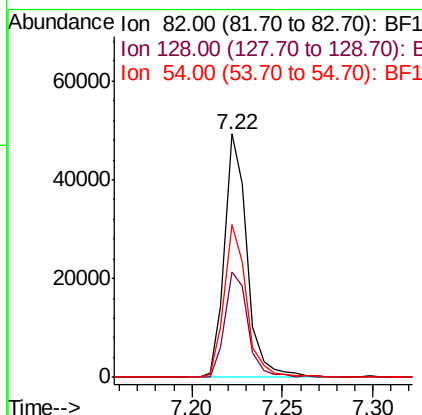
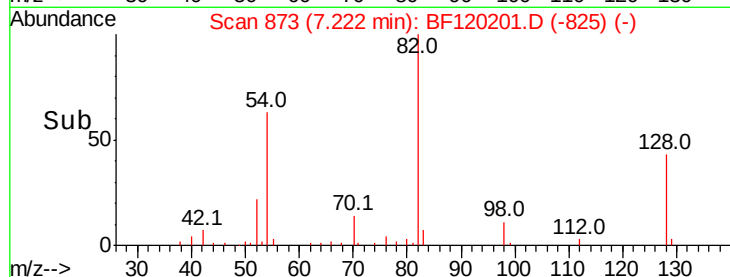
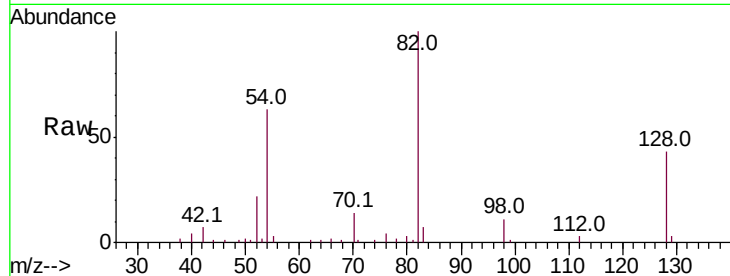
#23
Nitrobenzene-d5
Concen: 4.454 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.02 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Instrument :
BNA_F
ClientSampleId :
MILL-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.3	54.5
54	62.7	50.6	75.8

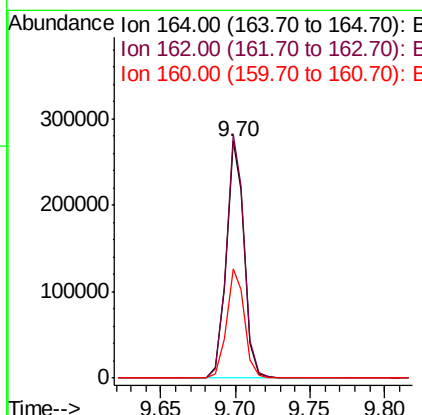
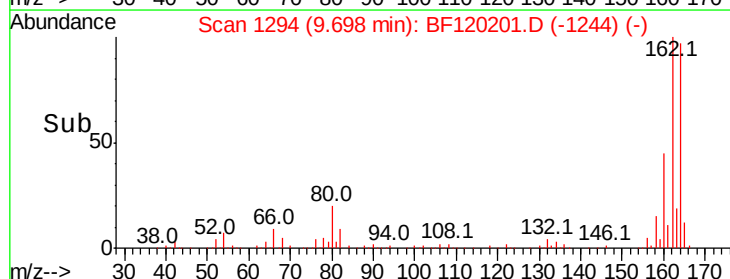
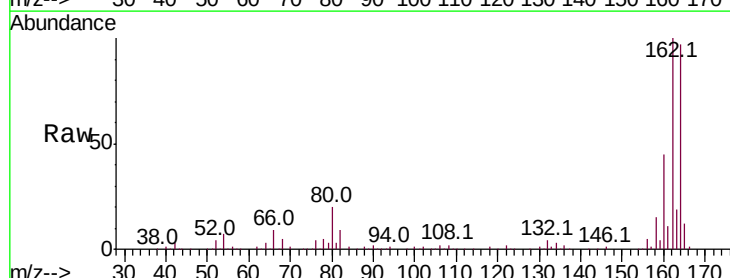
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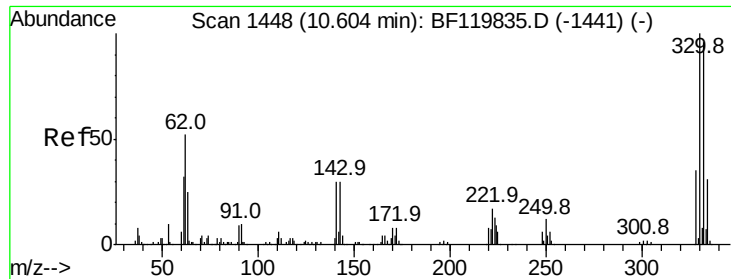
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.6	121.0
160	46.3	35.7	53.5





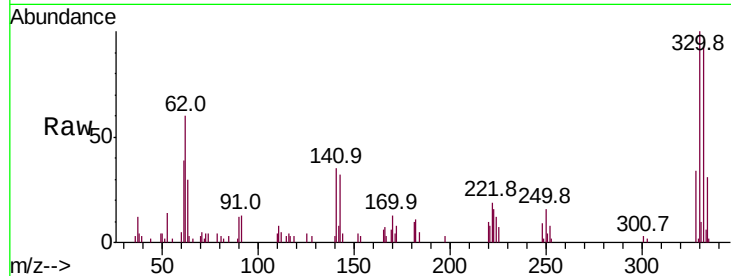
#42
 2,4,6-Tribromophenol
 Concen: 4.805 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF120201.D
 Acq: 24 Apr 2020 14:45

Instrument :
 BNA_F
 ClientSampled :
 MILL-1

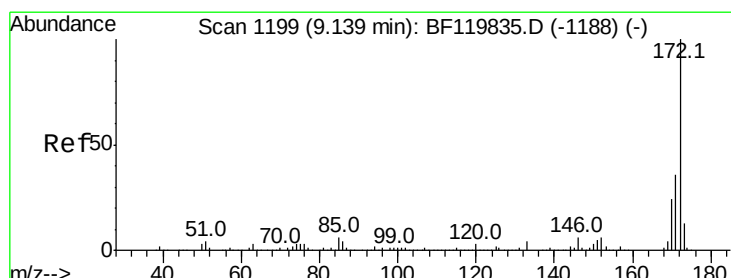
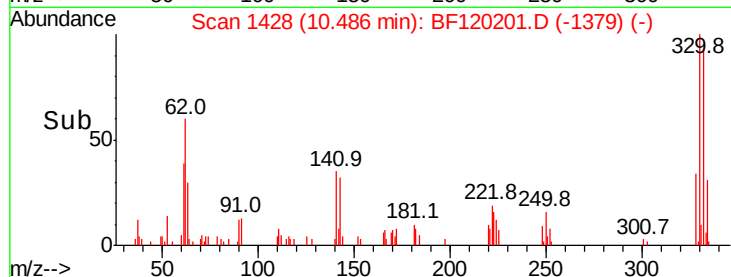
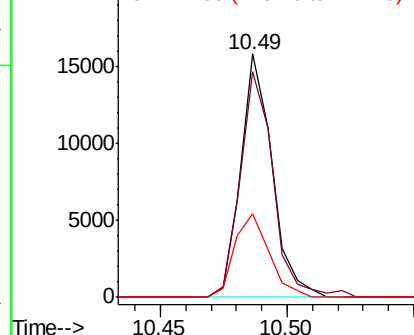
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.7	113.5
141	37.7	25.4	38.0

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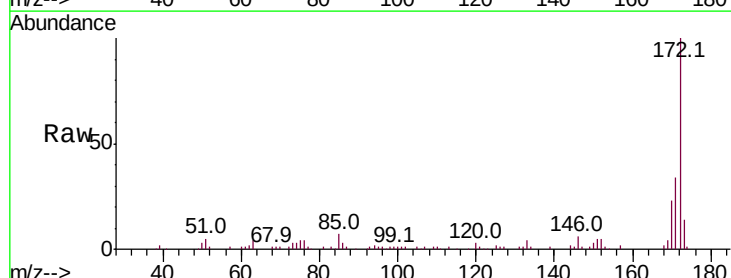


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

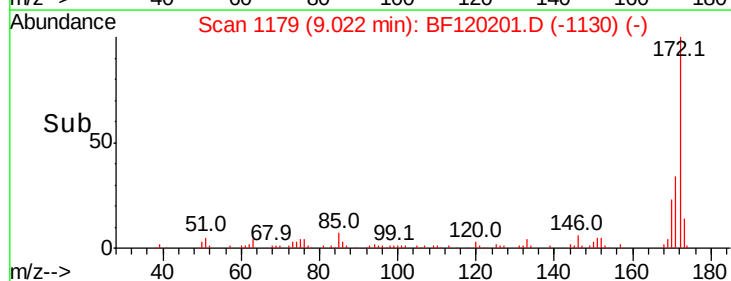
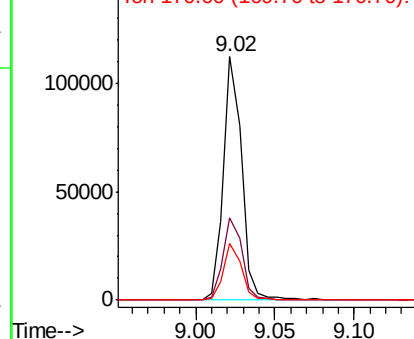


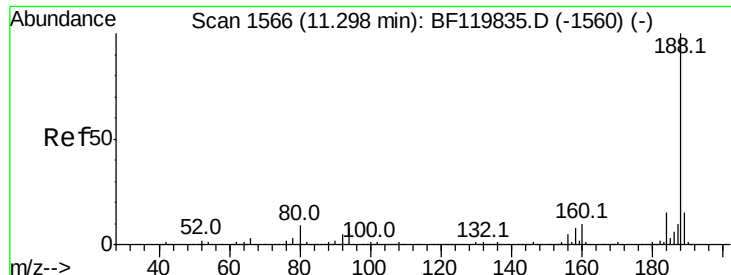
#45
 2-Fluorobiphenyl
 Concen: 5.482 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF120201.D
 Acq: 24 Apr 2020 14:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.6	44.4
170	23.3	20.2	30.2



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

Instrument :

BNA_F

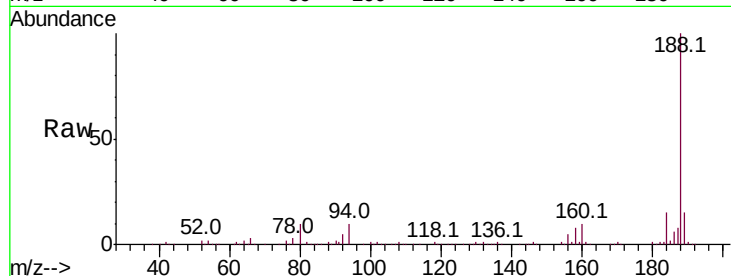
ClientSampled :

MILL-1

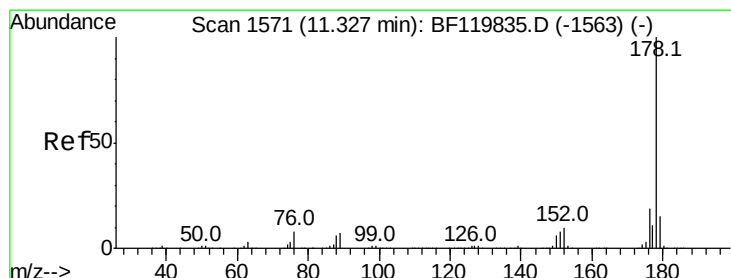
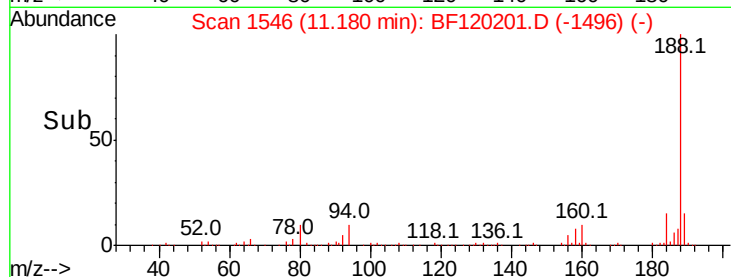
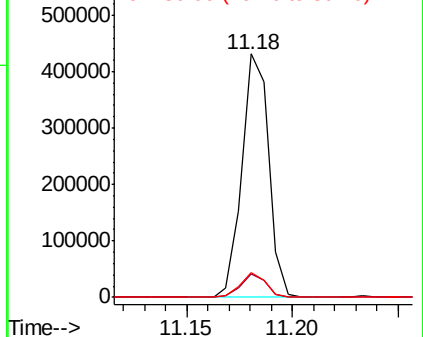
Tot Ion:	188	Resp:	378913
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.5	11.3
80	10.4	9.0	13.4

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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: 3.987 ng

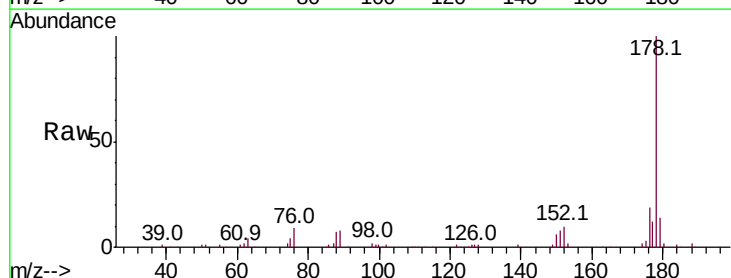
RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

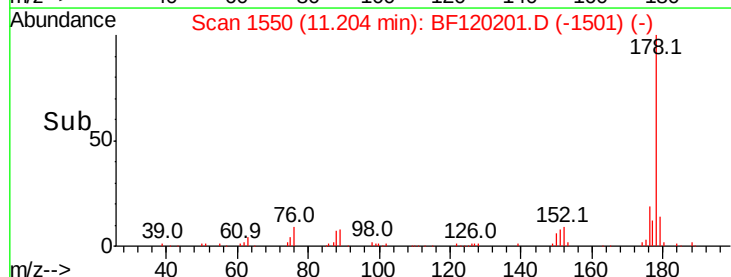
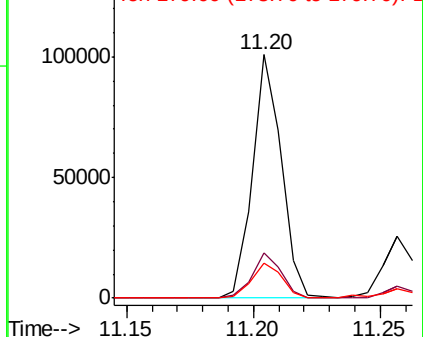
Lab File: BF120201.D

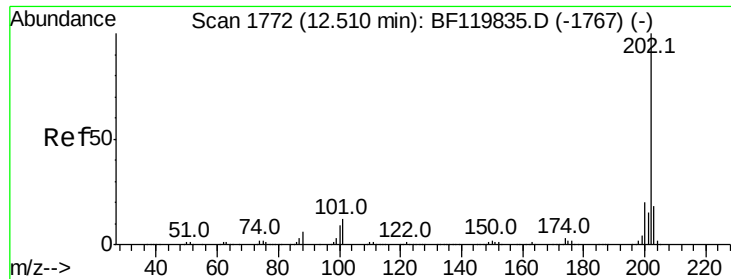
Acq: 24 Apr 2020 14:45

Tgt Ion:	178	Resp:	80412
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.2	24.4
179	14.4	13.2	19.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





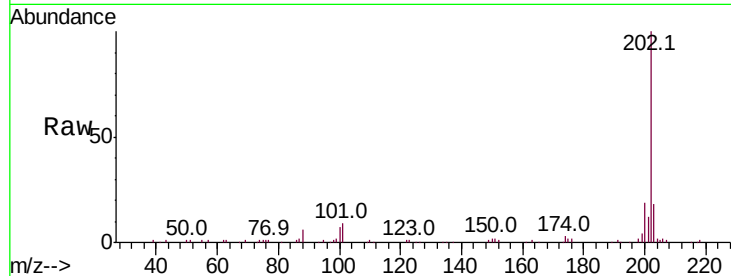
#75
Fluoranthene
Concen: 3.609 ng
RT: 12.39 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Instrument :
BNA_F
ClientSampled :
MILL-1

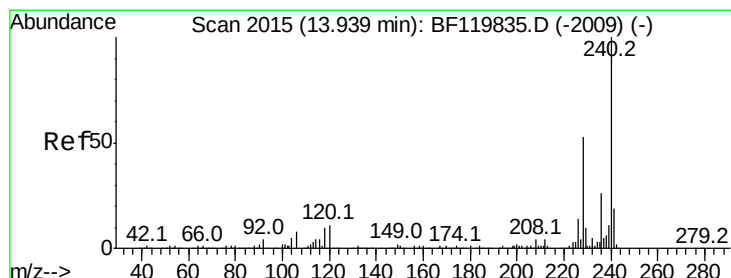
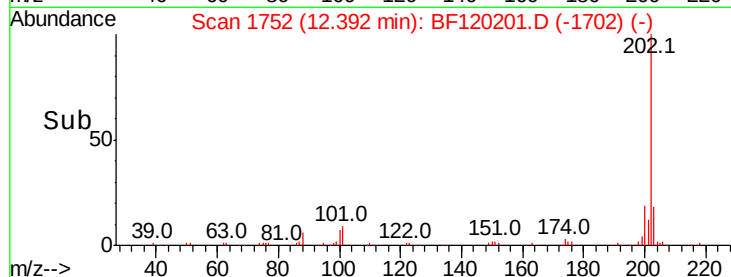
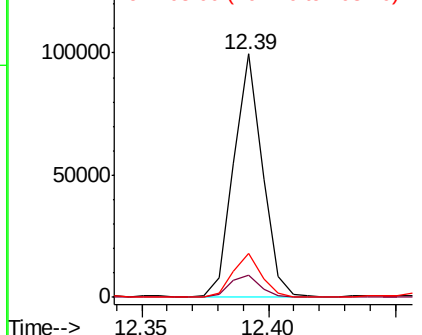
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.1	0.0	32.2
203	18.0	0.0	38.8

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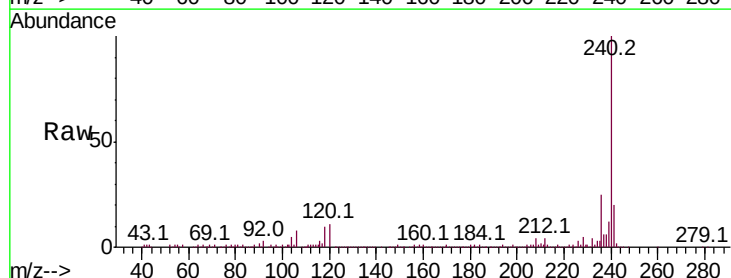


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

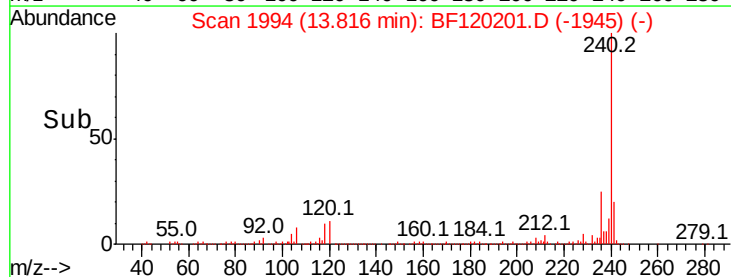
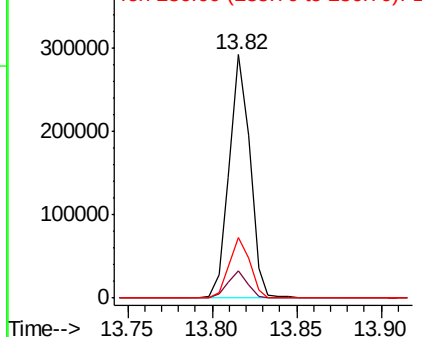


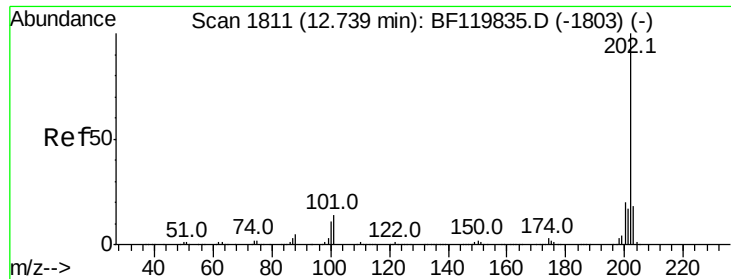
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.1	10.6	15.8
236	24.7	20.2	30.2



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: 4.168 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

Instrument :

BNA_F

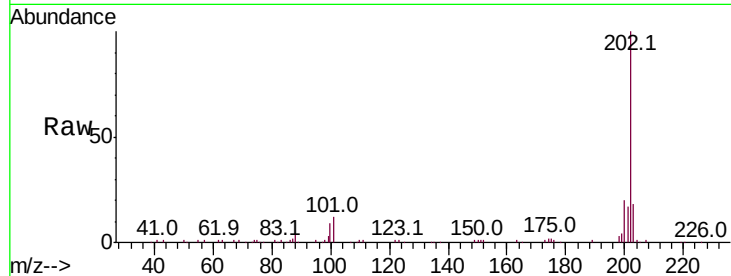
ClientSampleId :

MILL-1

Tot Ion:	202	Resp:	87320
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.8	25.2
203	17.8	15.1	22.7

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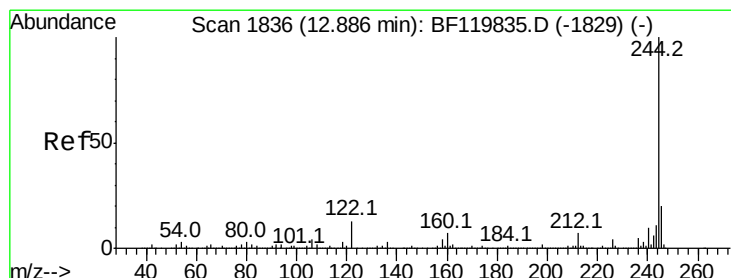
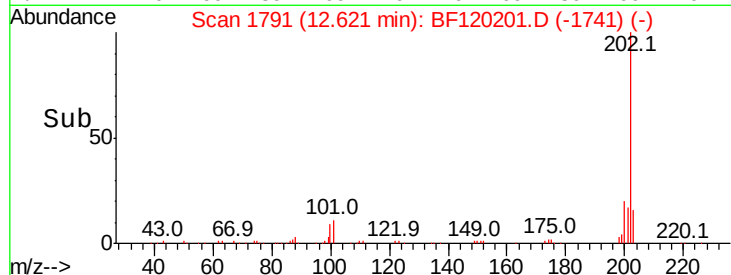
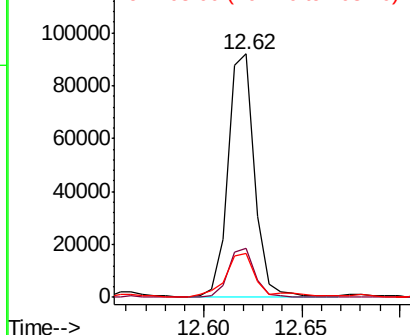


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 4.959 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

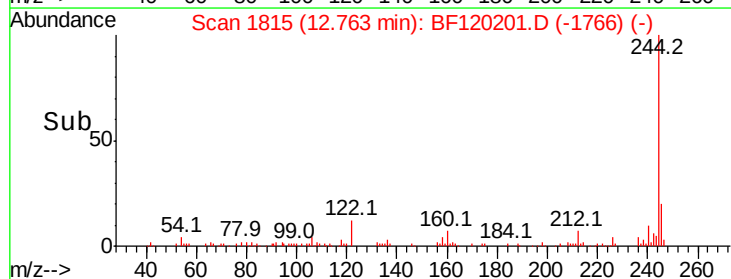
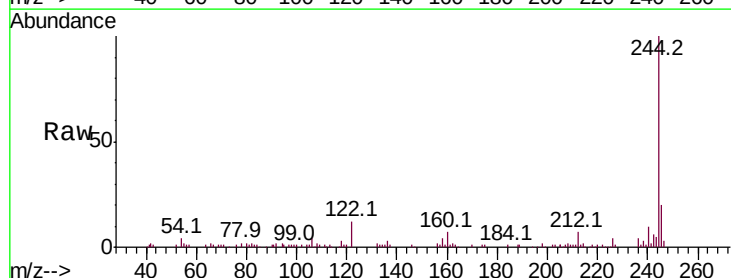
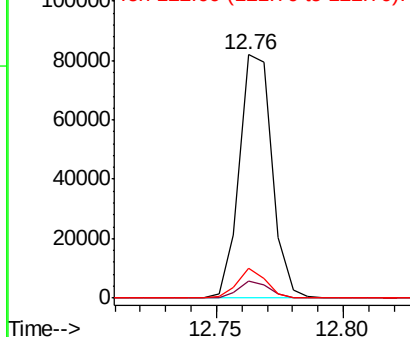
Tgt Ion:	244	Resp:	73244
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.8
122	12.1	10.3	15.5

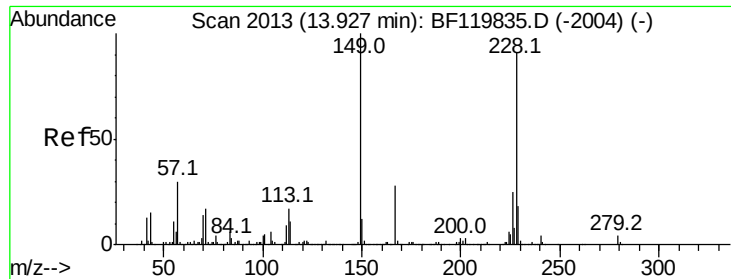
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





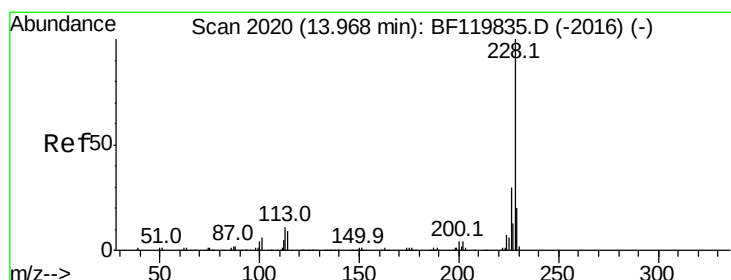
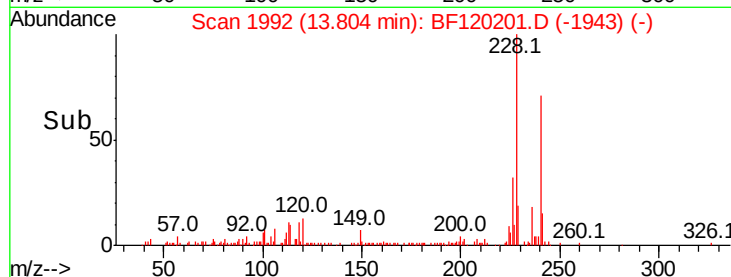
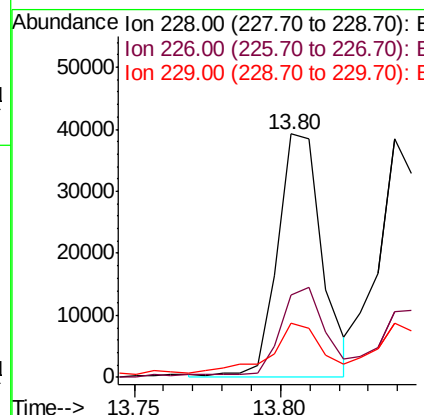
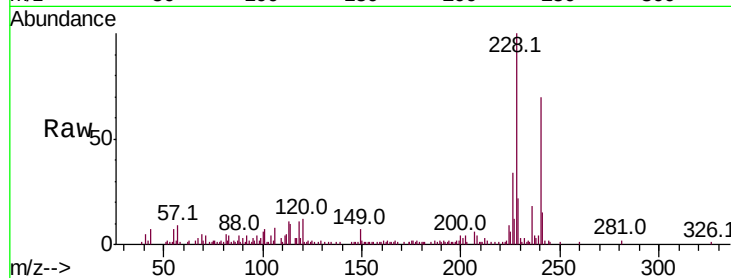
#81
Benzo(a)anthracene
Concen: 2.553 ng m
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Instrument :
BNA_F
ClientSampled :
MILL-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	21.8	32.8#
229	22.2	16.2	24.4

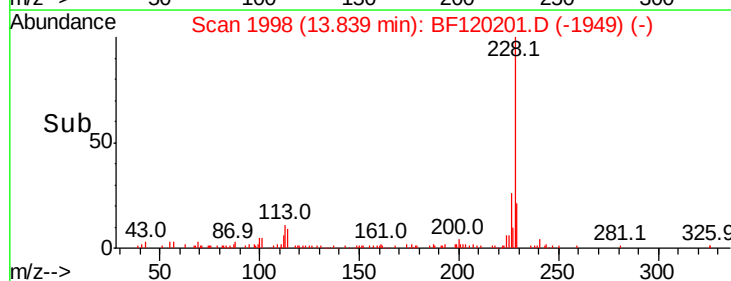
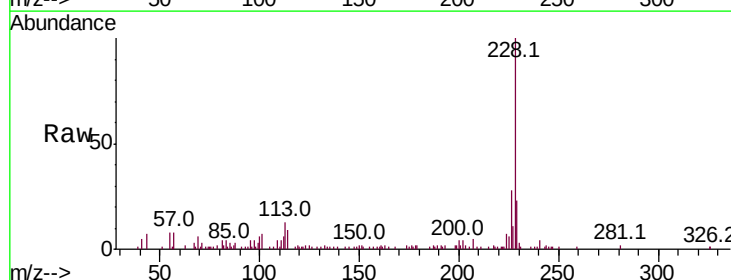
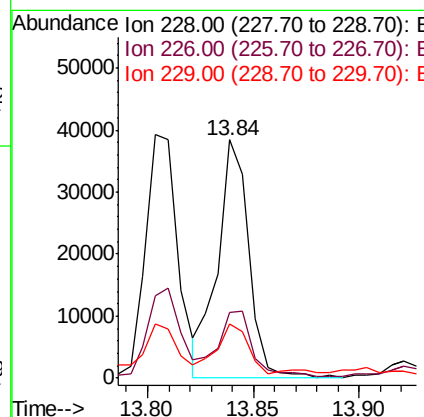
Manual Integrations
APPROVED

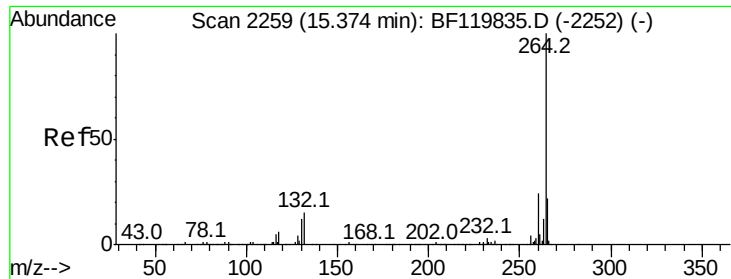
mohammad
4/27/2020 3:04:38 PM



#83
Chrysene
Concen: 2.390 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	25.4	38.0
229	22.8	16.6	24.8





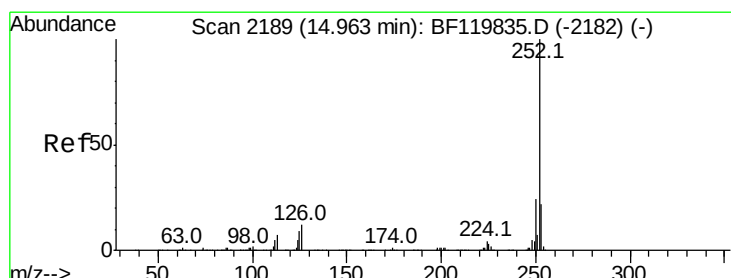
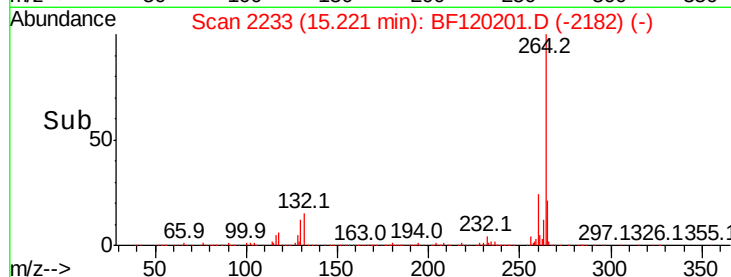
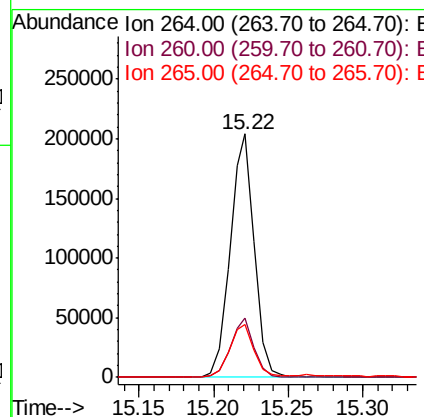
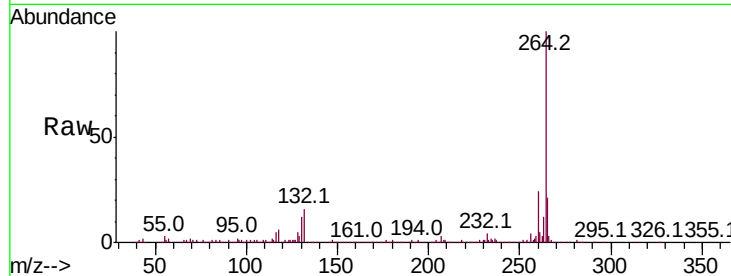
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: BF120201.D
 Acq: 24 Apr 2020 14:45

Instrument :
 BNA_F
 ClientSampled :
 MILL-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.5	17.7	26.5

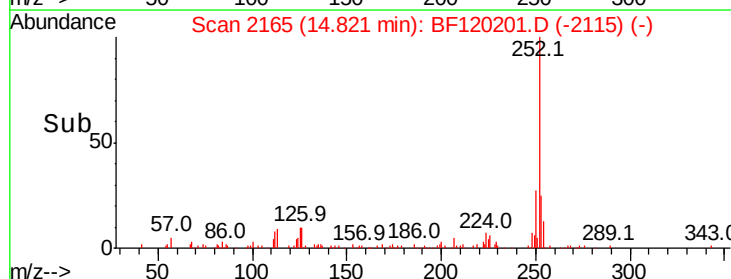
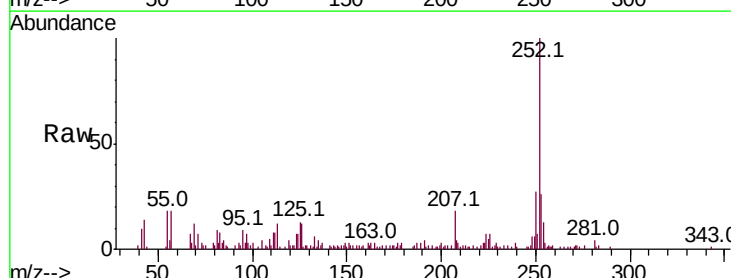
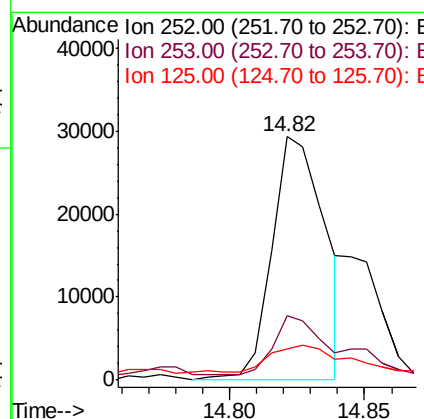
Manual Integrations
 APPROVED

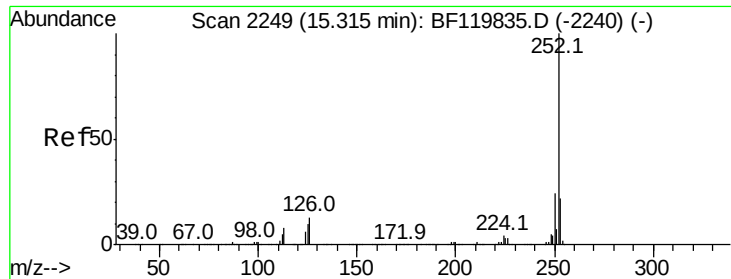
mohammad
 4/27/2020 3:04:38 PM



#88
 Benzo(b)fluoranthene
 Concen: 2.414 ng m
 RT: 14.82 min Scan# 2165
 Delta R.T. -0.01 min
 Lab File: BF120201.D
 Acq: 24 Apr 2020 14:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.4	26.0#
125	12.9	7.9	11.9#





#90
Benzo(a)pyrene
Concen: 2.420 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Instrument :
BNA_F
ClientSampleId :
MILL-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	12.9	9.4	14.2

Manual Integrations
APPROVED

mohammad
4/27/2020 3:04:38 PM

