

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041520\
 Data File : BN010508.D
 Acq On : 15 Apr 2020 15:11
 Operator : CG/JU
 Sample : L2178-06RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-2FRE

Quant Time: Apr 15 16:40:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 18:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3413	0.40	ng	0.00
7) Naphthalene-d8	10.35	136	14364	0.40	ng	-0.01
13) Acenaphthene-d10	14.22	164	9599	0.40	ng	-0.01
19) Phenanthrene-d10	16.97	188	22879	0.40	ng	-0.01
27) Chrysene-d12	21.18	240	23864	0.40	ng	-0.01
34) Perylene-d12	23.35	264	21243	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	1635	0.22	ng	0.00
5) Phenol-d6	6.79	99	1280	0.13	ng	0.00
8) Nitrobenzene-d5	8.73	82	7738	0.77	ng	-0.01
11) 2-Methylnaphthalene-d10	11.95	152	9392	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	2616	0.58	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	27857	0.80	ng	-0.01
25) Fluoranthene-d10	19.01	212	29030	0.42	ng	0.00
29) Terphenyl-d14	19.62	244	46397	0.85	ng	0.00

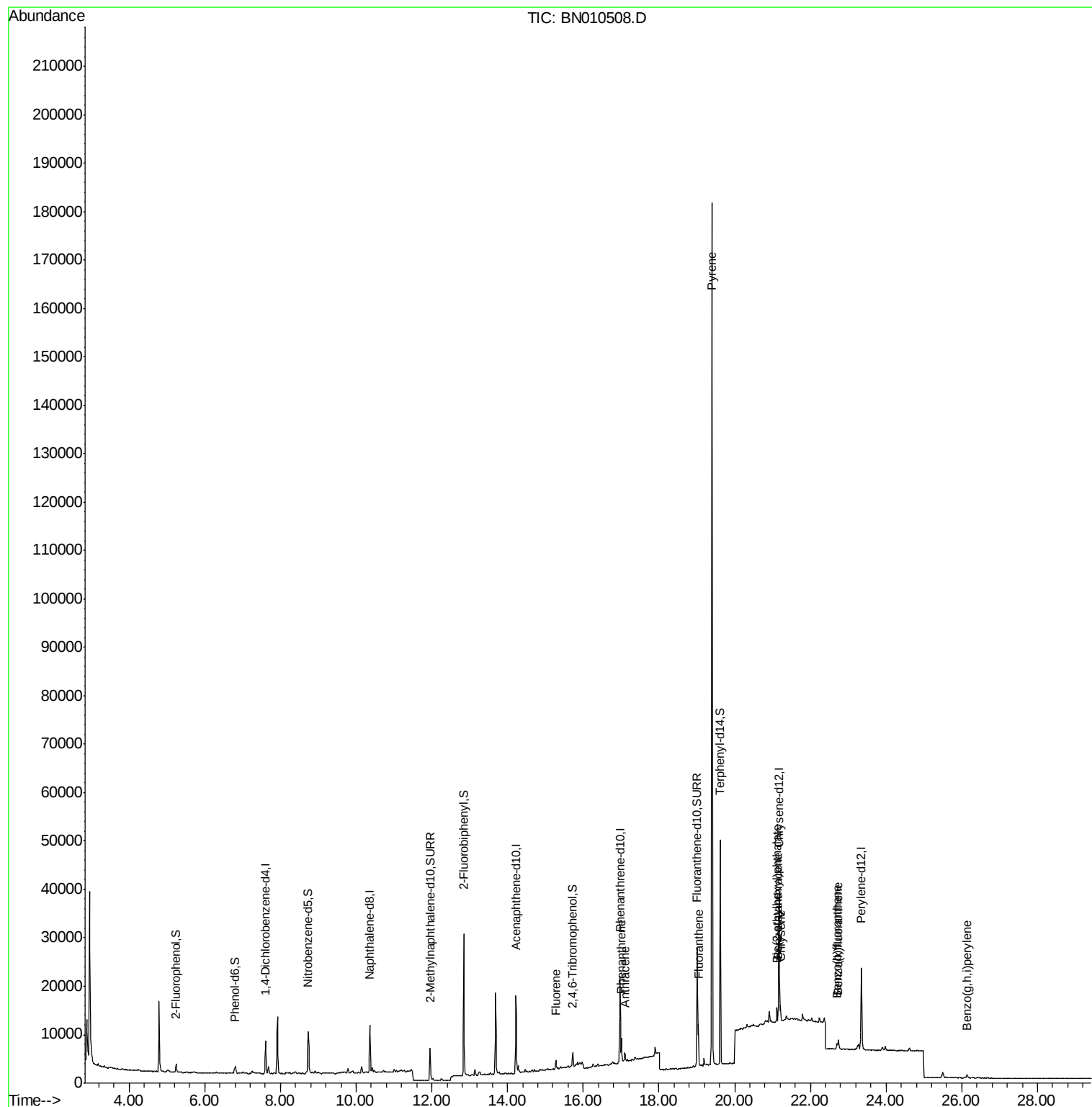
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Fluorene	15.28	166	922	0.026	ng	# 79
23) Phenanthrene	17.01	178	5429	0.088	ng	# 96
24) Anthracene	17.10	178	1825	0.032	ng	# 89
26) Fluoranthene	19.04	202	7886	0.103	ng	# 97
28) Pyrene	19.40	202	154411	1.922	ng	100
30) Benzo(a)anthracene	21.16	228	2077	0.027	ng	# 58
31) Chrysene	21.21	228	2298	0.030	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.11	149	2528	0.063	ng	# 99
35) Benzo(b)fluoranthene	22.70	252	1633	0.023	ng	# 1
36) Benzo(k)fluoranthene	22.75	252	1662	0.024	ng	# 1
39) Benzo(a,h,i)perylene	26.14	276	1286	0.023	ng	# 57

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.61 min Scan# 593

Delta R.T. -0.01 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

Instrument :

BNA_N

ClientSampleId :

MW-2FRE

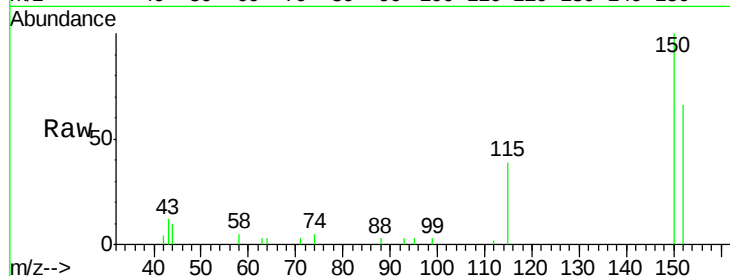
Tot Ion:152 Resp: 3413

Ion Ratio Lower Upper

152 100

150 152.5 121.8 182.6

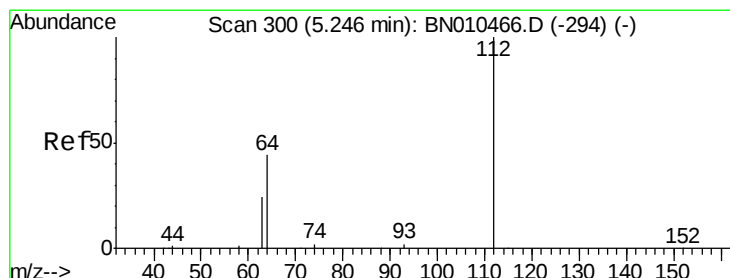
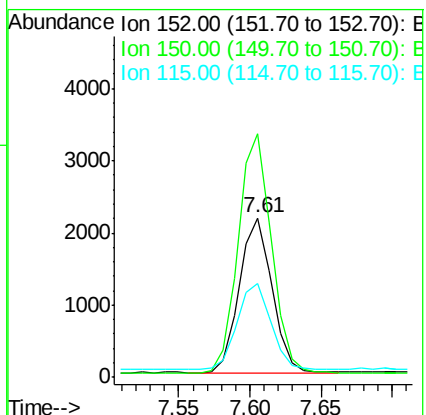
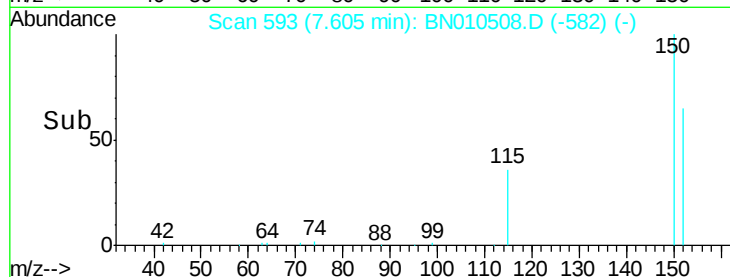
115 59.1 45.5 68.3



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



#4

2-Fluorophenol

Concen: 0.219 ng

RT: 5.25 min Scan# 300

Delta R.T. -0.00 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

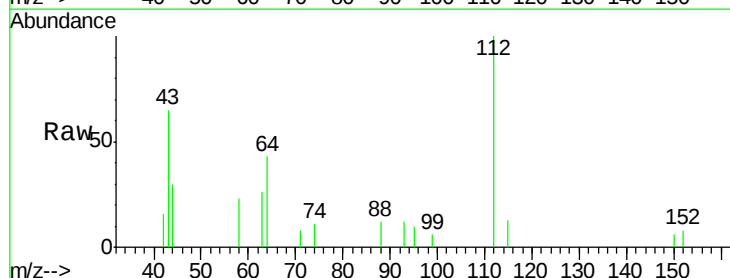
Tgt Ion:112 Resp: 1635

Ion Ratio Lower Upper

112 100

64 45.9 35.8 53.8

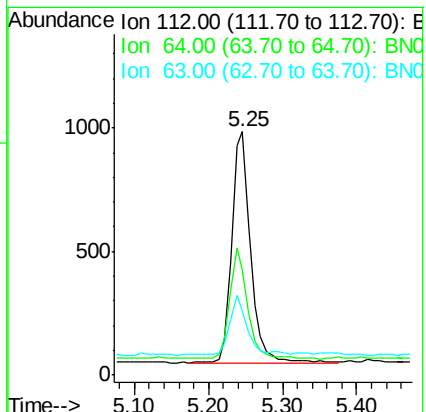
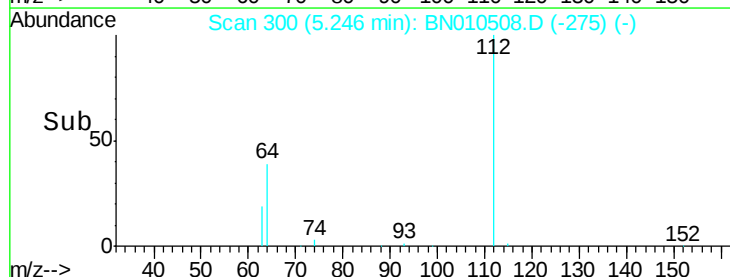
63 23.5 19.9 29.9

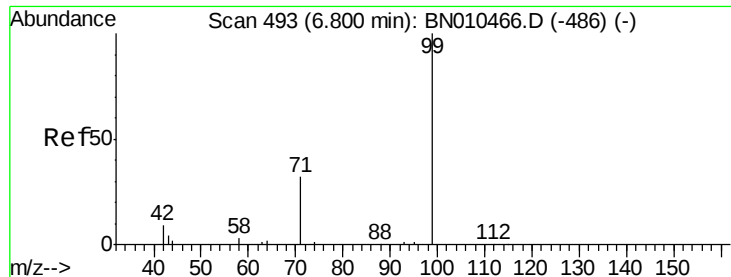


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.131 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

Instrument :

BNA_N

ClientSampleId :

MW-2FRE

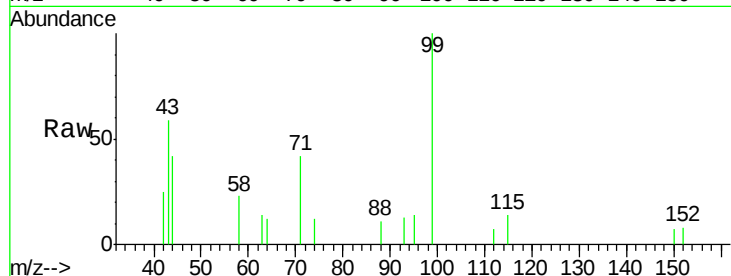
Tot Ion: 99 Resp: 1280

Ion Ratio Lower Upper

99 100

42 18.6 9.8 14.6#

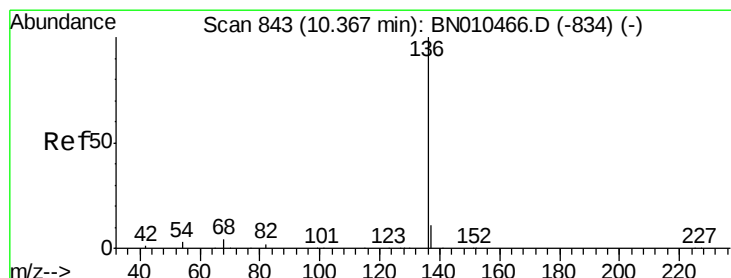
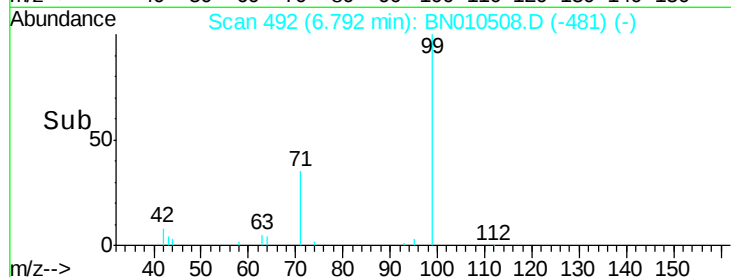
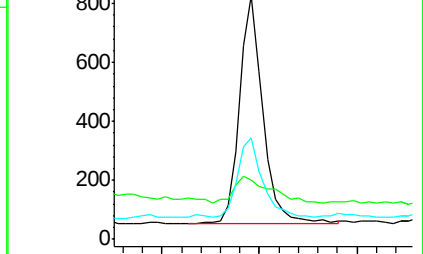
71 37.6 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.01 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

Tgt Ion: 136 Resp: 14364

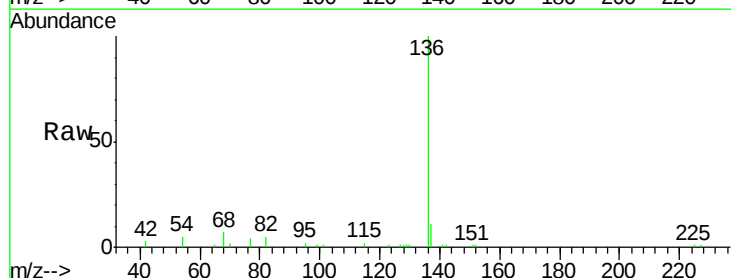
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 5.5 2.6 4.0#

68 6.5 3.4 5.2#

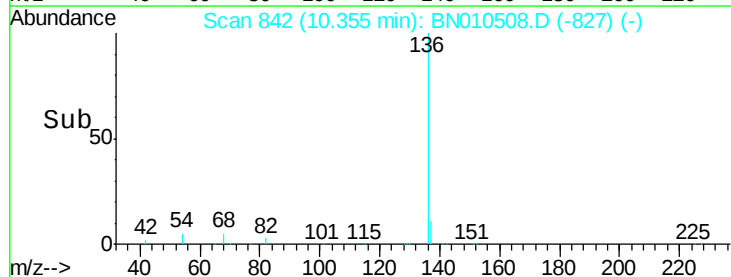
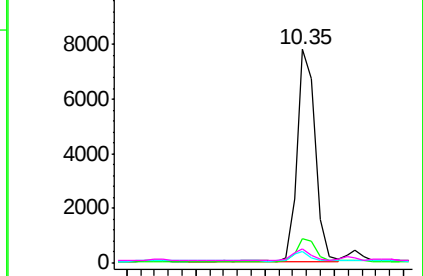


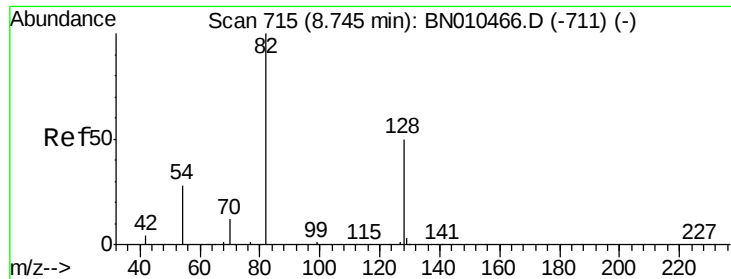
Abundance Ion 136.00 (135.70 to 136.70): BN010466.D (-834) (-)

Ion 137.00 (136.70 to 137.70): BN010466.D (-834) (-)

Ion 54.00 (53.70 to 54.70): BN010466.D (-834) (-)

Ion 68.00 (67.70 to 68.70): BN010466.D (-834) (-)





#8

Nitrobenzene-d5

Concen: 0.771 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.01 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

Instrument :

BNA_N

ClientSampleId :

MW-2FRE

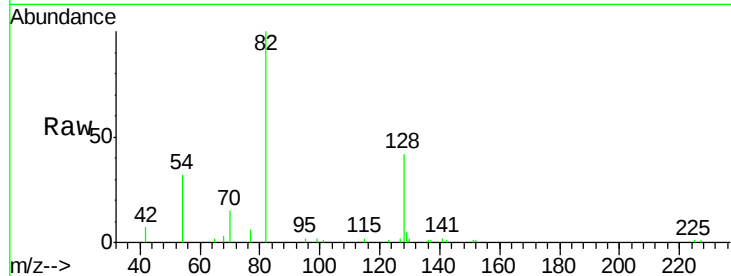
Tot Ion: 82 Resp: 7738

Ion Ratio Lower Upper

82 100

128 41.9 41.3 61.9

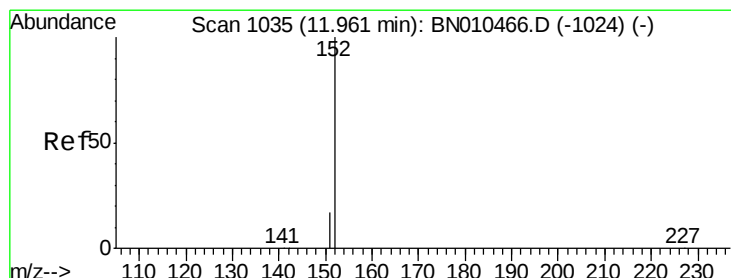
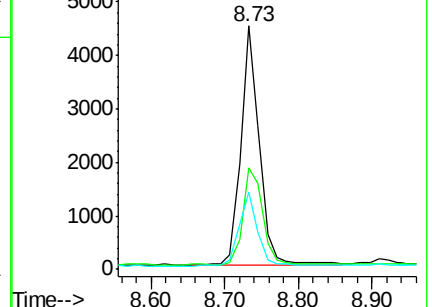
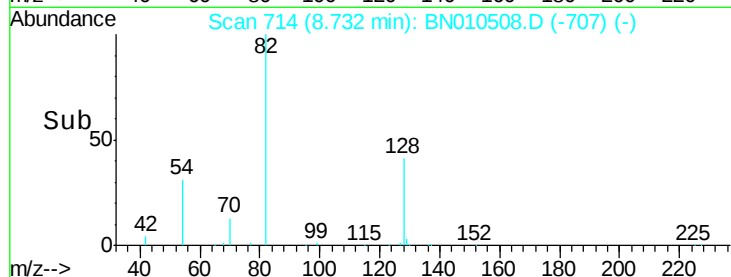
54 31.8 23.4 35.0



Abundance Ion 82.00 (81.70 to 82.70): BN010508.D (-990) (-)

Ion 128.00 (127.70 to 128.70): BN010508.D (-990) (-)

Ion 54.00 (53.70 to 54.70): BN010508.D (-990) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 11.95 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BN010508.D

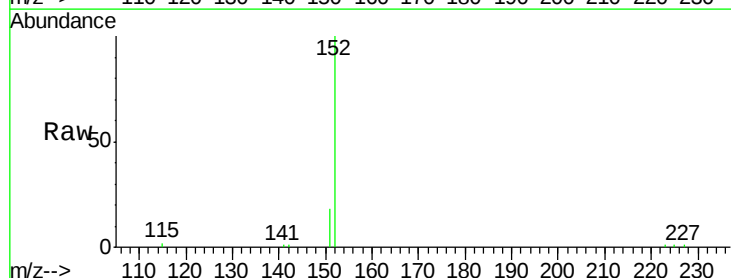
Acq: 15 Apr 2020 15:11

Tgt Ion: 152 Resp: 9392

Ion Ratio Lower Upper

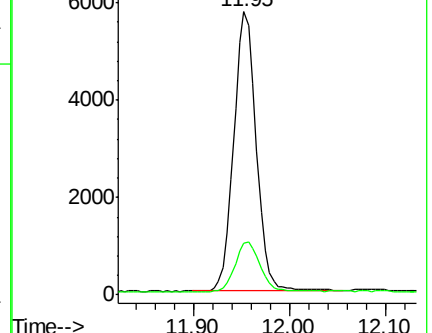
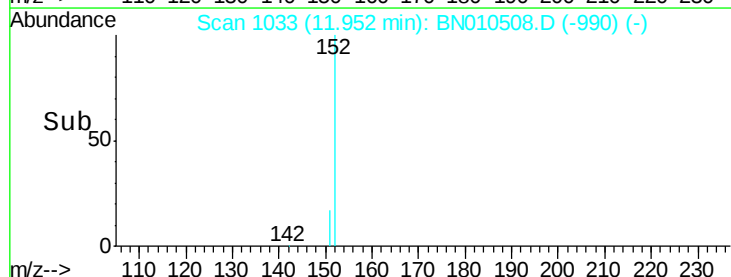
152 100

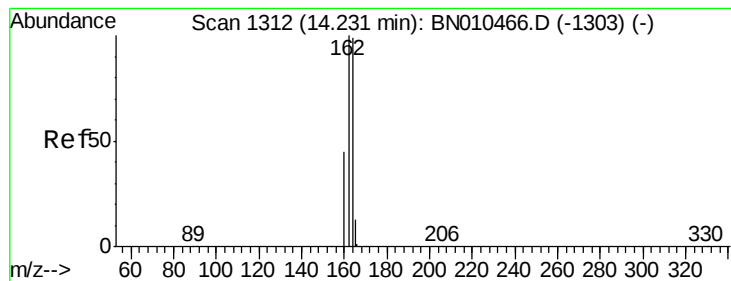
151 19.7 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): BN010508.D (-990) (-)

Ion 151.00 (150.70 to 151.70): BN010508.D (-990) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.22 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

Instrument :

BNA_N

ClientSampleId :

MW-2FRE

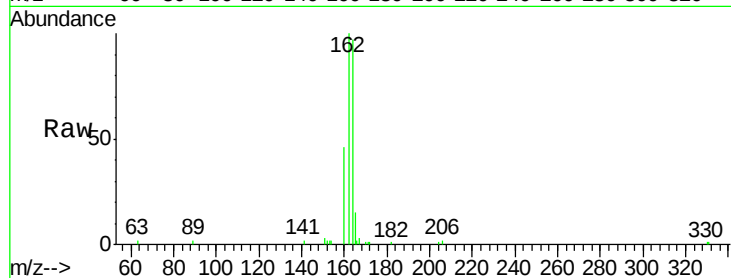
Tot Ion:164 Resp: 9599

Ion Ratio Lower Upper

164 100

162 102.8 80.6 121.0

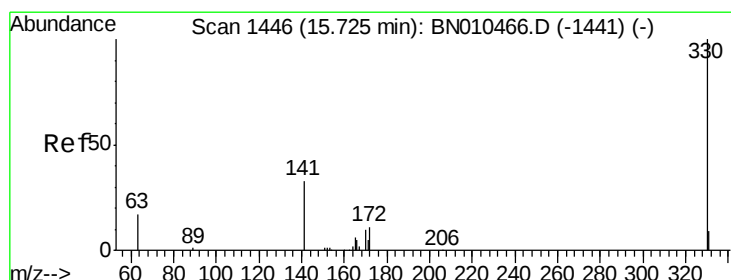
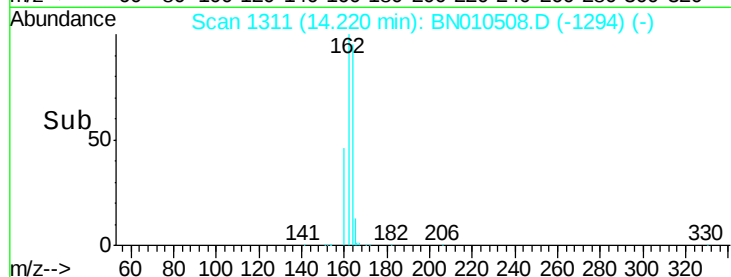
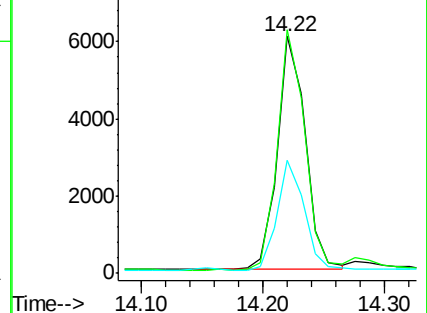
160 47.8 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.578 ng

RT: 15.72 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

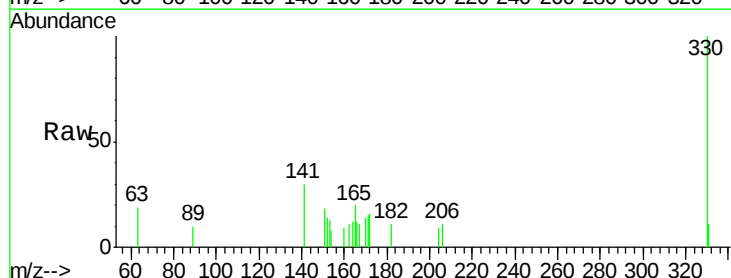
Tgt Ion:330 Resp: 2616

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

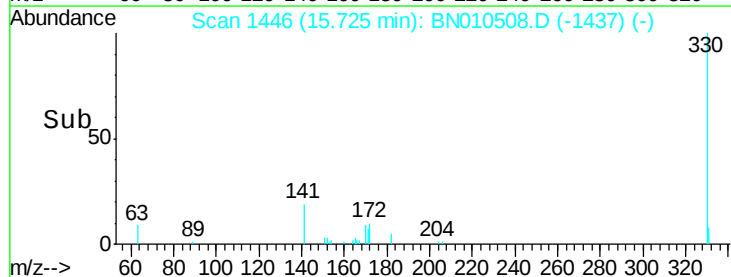
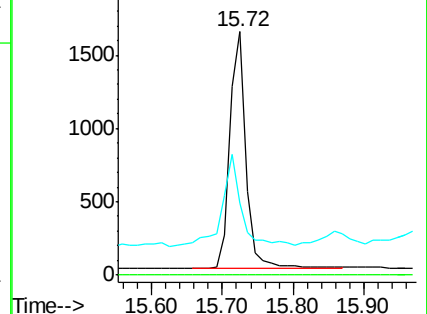
141 43.5 28.1 42.1#

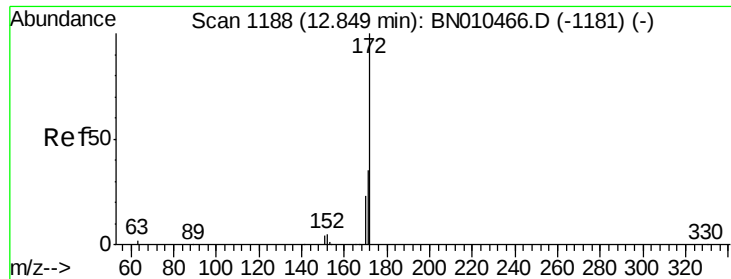


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

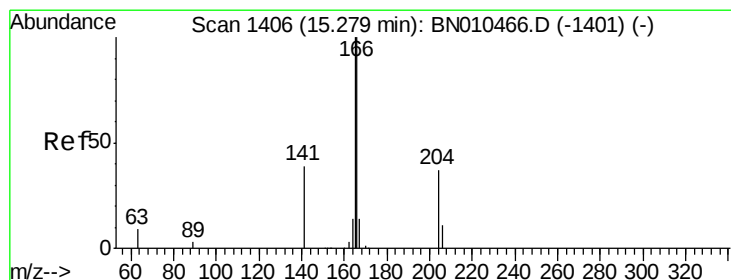
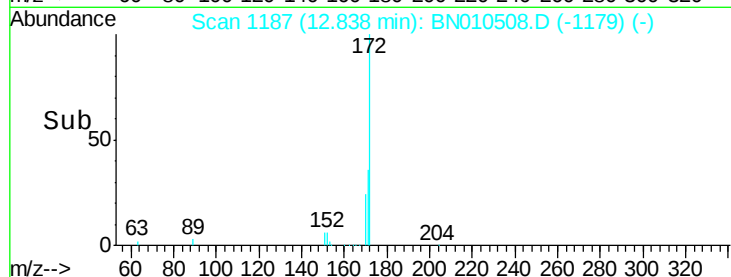
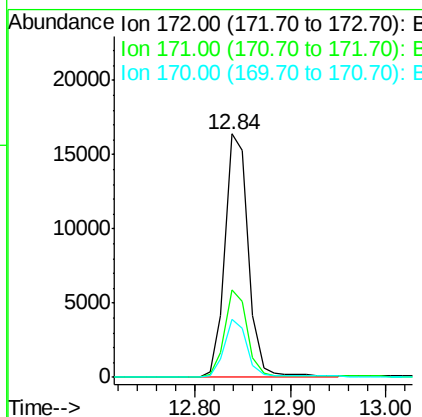
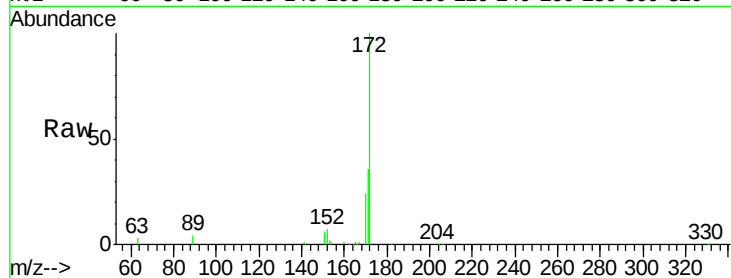




#15
2-Fluorobiphenyl
Concen: 0.797 ng
RT: 12.84 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BN010508.D
Acq: 15 Apr 2020 15:11

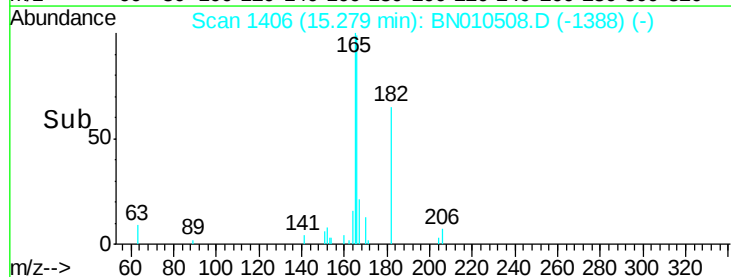
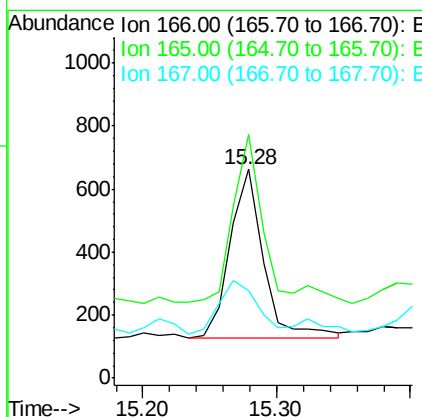
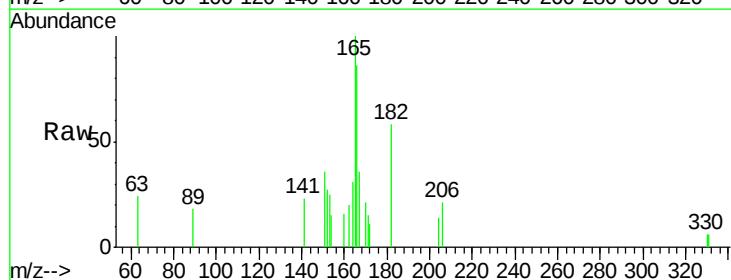
Instrument :
BNA_N
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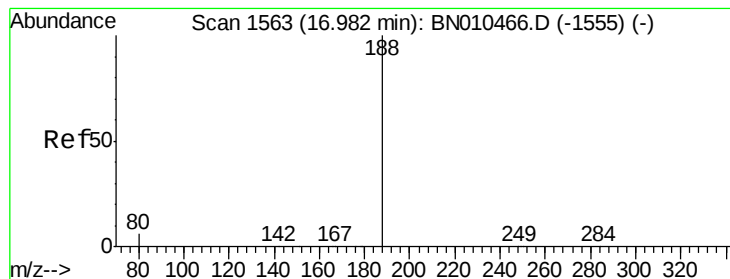
Tot Ion:172 Resp: 27857
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.2
170 23.9 18.4 27.6



#18
Fluorene
Concen: 0.026 ng
RT: 15.28 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BN010508.D
Acq: 15 Apr 2020 15:11

Tgt Ion:166 Resp: 922
Ion Ratio Lower Upper
166 100
165 83.1 78.4 117.6
167 38.2 10.9 16.3#

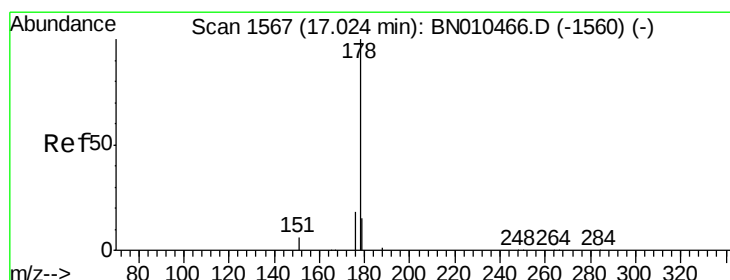
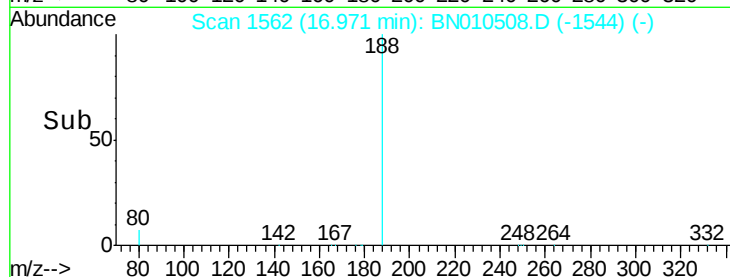
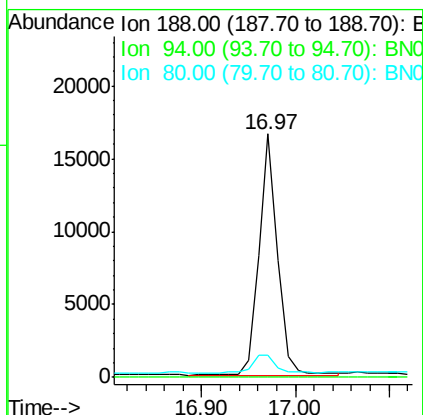
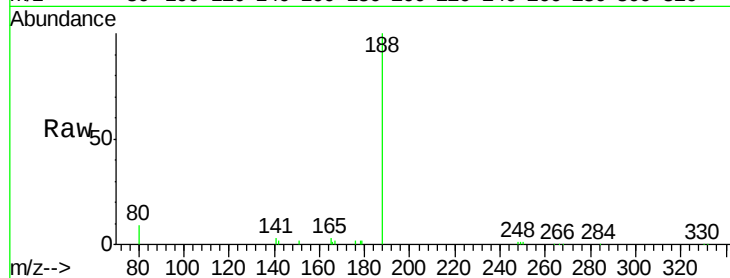




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.97 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BN010508.D
Acq: 15 Apr 2020 15:11

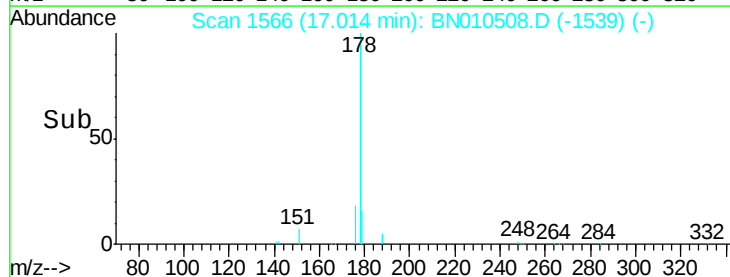
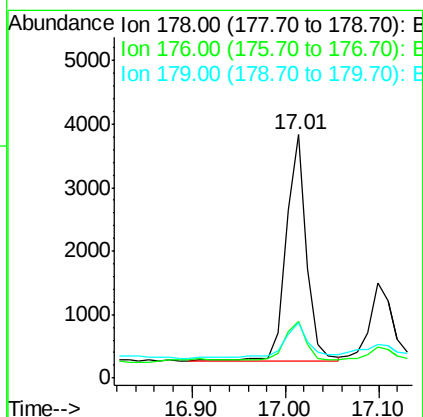
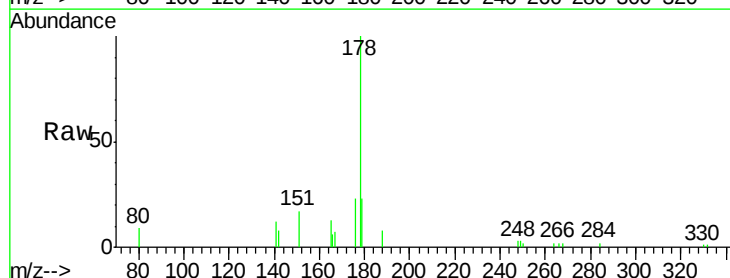
Instrument :
BNA_N
ClientSampleId :
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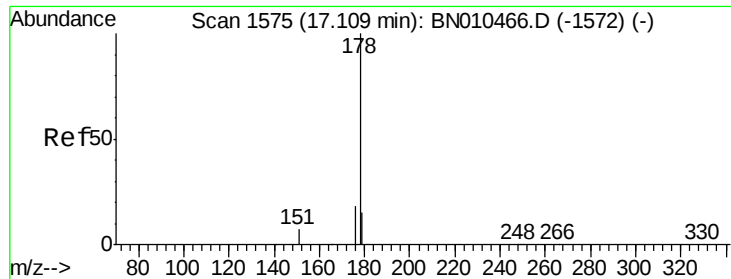
Tot Ion:188 Resp: 22879
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 5.0 7.6#



#23
Phenanthrene
Concen: 0.088 ng
RT: 17.01 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BN010508.D
Acq: 15 Apr 2020 15:11

Tgt Ion:178 Resp: 5429
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.4
179 18.5 12.6 18.8





#24

Anthracene

Concen: 0.032 ng

RT: 17.10 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

Instrument :

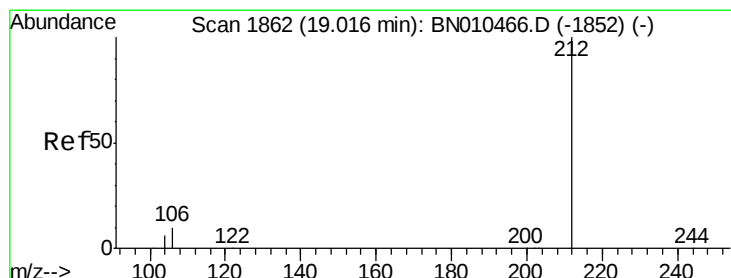
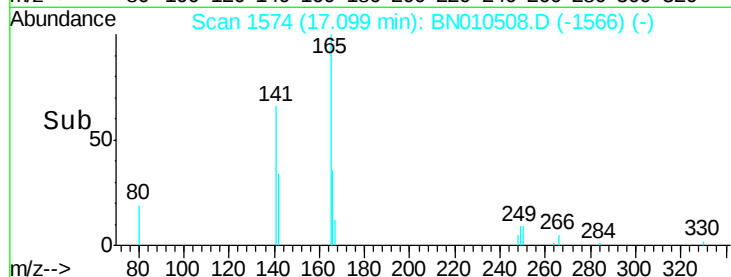
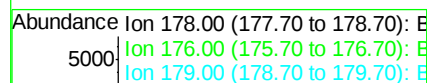
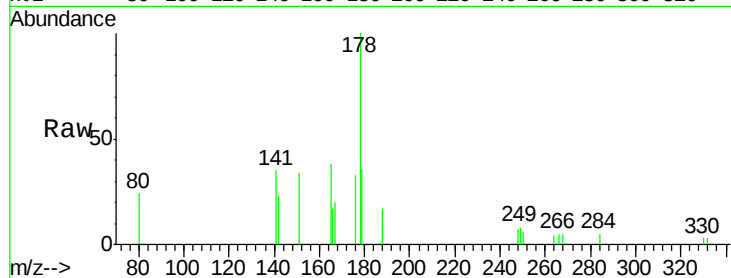
BNA_N

ClientSampleId :

MW-2FRE

Tot Ion:178 Resp: 1825

Ion	Ratio	Lower	Upper
178	100		
176	21.1	14.6	21.8
179	21.6	12.2	18.2



#25

Fluoranthene-d10

Concen: 0.418 ng

RT: 19.01 min Scan# 1861

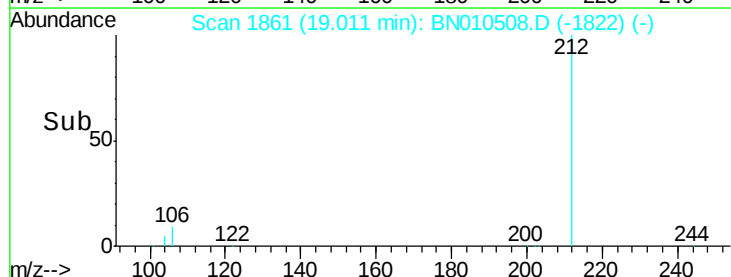
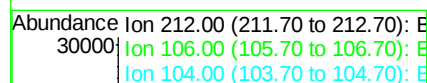
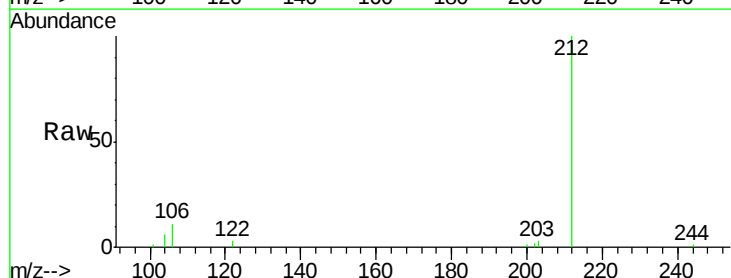
Delta R.T. -0.01 min

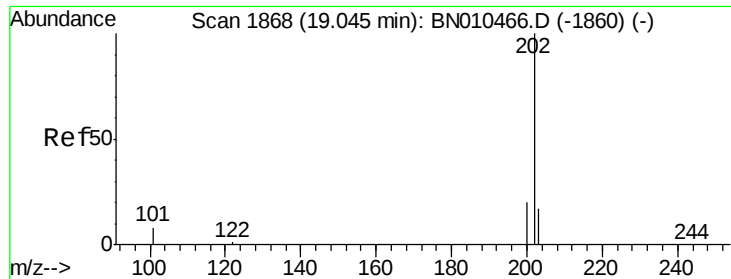
Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

Tgt Ion:212 Resp: 29030

Ion	Ratio	Lower	Upper
212	100		
106	10.4	7.8	11.6
104	5.8	4.5	6.7

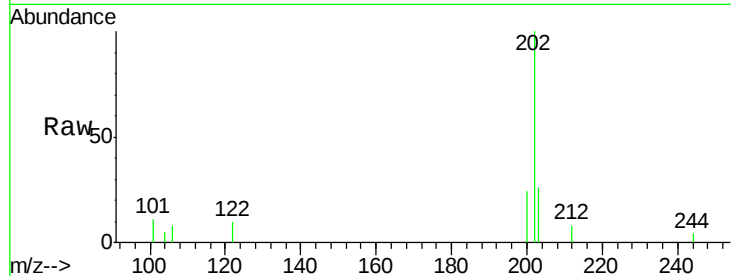




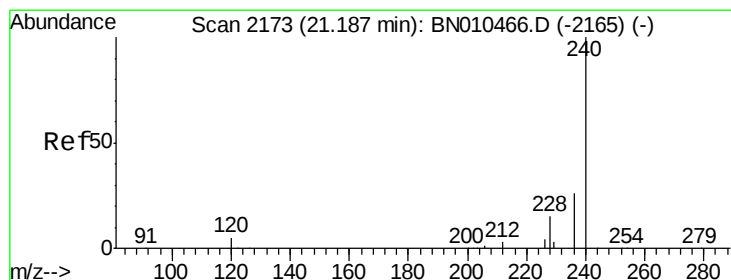
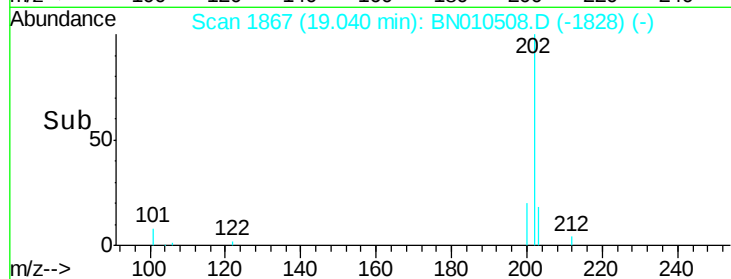
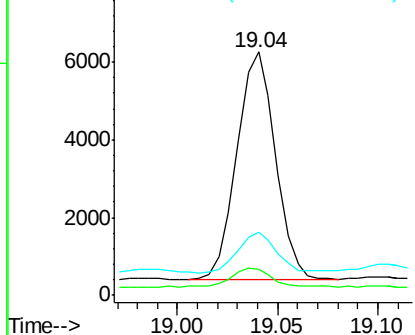
#26
 Fluoranthene
 Concen: 0.103 ng
 RT: 19.04 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BN010508.D
 Acq: 15 Apr 2020 15:11

Instrument :
 BNA_N
 ClientSampleId :
 MW-2FRE

Tot Ion:202 Resp: 7886
 Ion Ratio Lower Upper
 202 100
 101 11.5 6.9 10.3#
 203 17.6 13.9 20.9

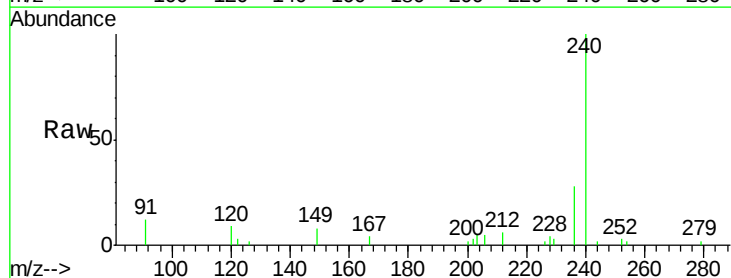


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

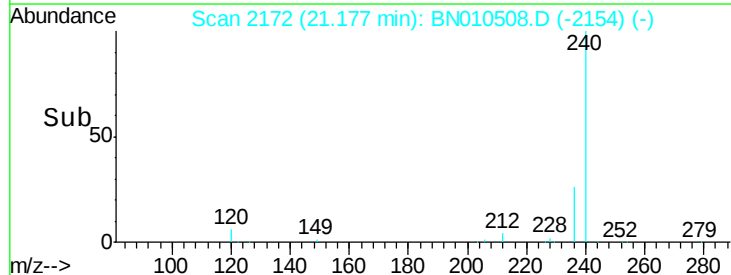
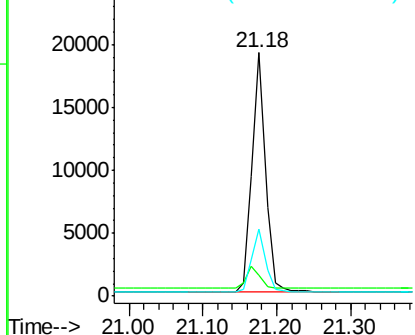


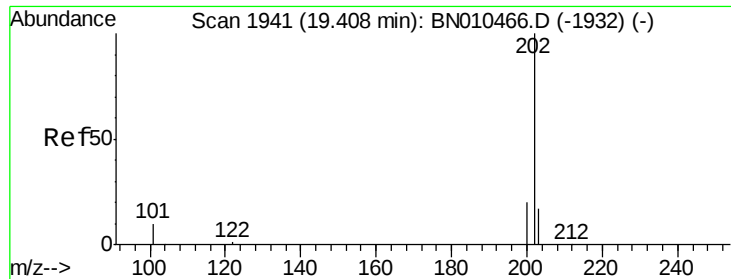
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.18 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BN010508.D
 Acq: 15 Apr 2020 15:11

Tgt Ion:240 Resp: 23864
 Ion Ratio Lower Upper
 240 100
 120 8.8 4.8 7.2#
 236 27.5 21.4 32.0



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

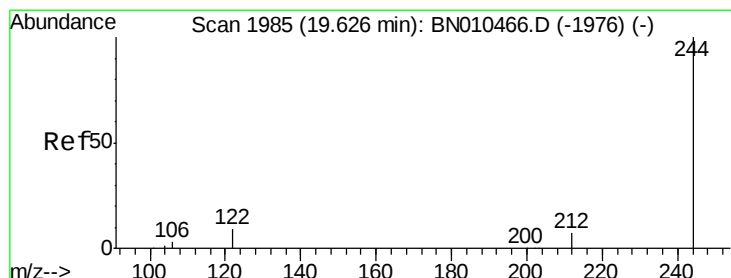
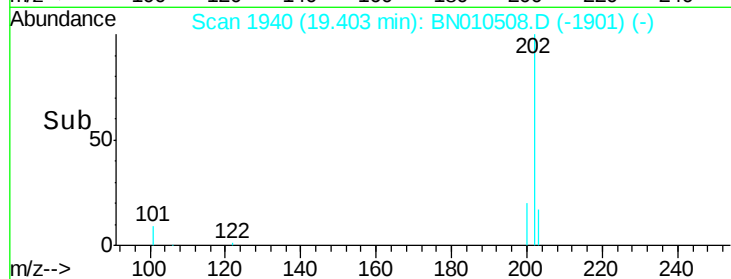
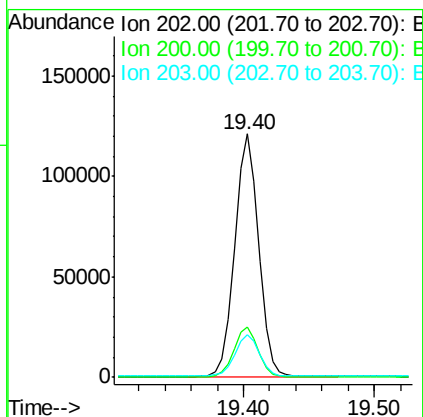
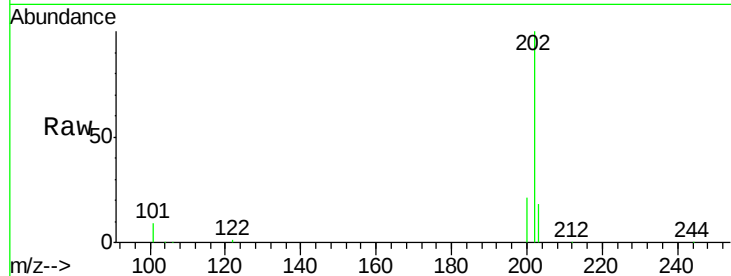




#28
Pvrene
Concen: 1.922 ng
RT: 19.40 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BN010508.D
Acq: 15 Apr 2020 15:11

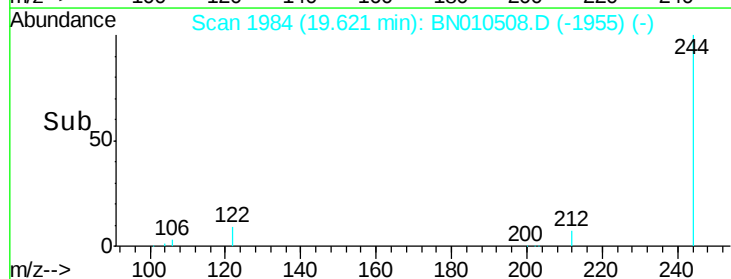
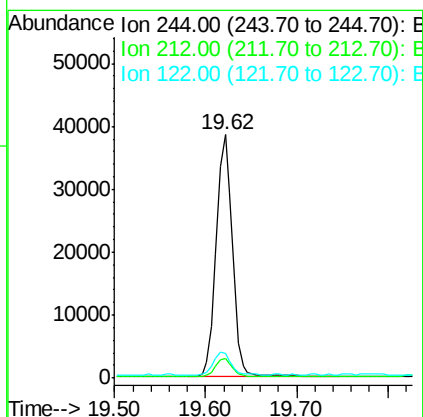
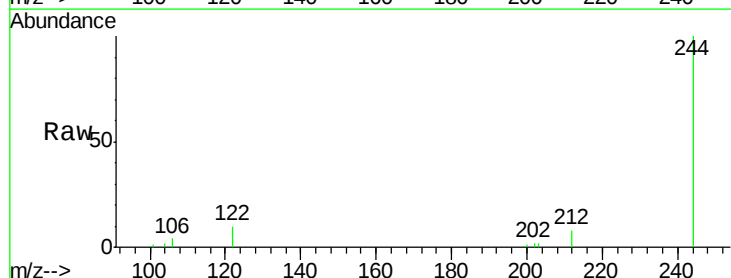
Instrument :
BNA_N
ClientSampleId :
MW-2FRE

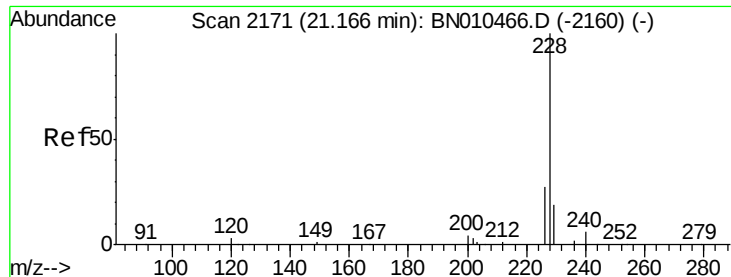
Tot Ion:202 Resp: 154411
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 17.6 14.0 21.0



#29
Terphenyl-d14
Concen: 0.849 ng
RT: 19.62 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BN010508.D
Acq: 15 Apr 2020 15:11

Tgt Ion:244 Resp: 46397
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.4
122 10.3 7.8 11.8





#30

Benzo(a)anthracene

Concen: 0.027 ng

RT: 21.16 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

Instrument :

BNA_N

ClientSampleId :

MW-2FRE

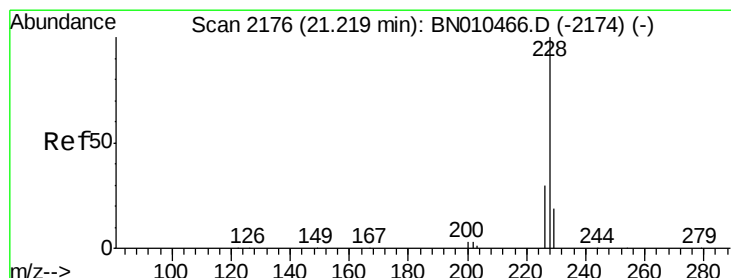
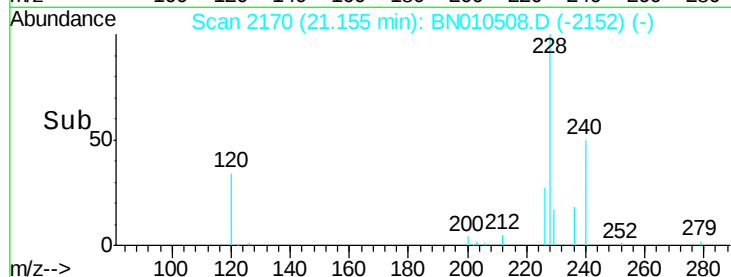
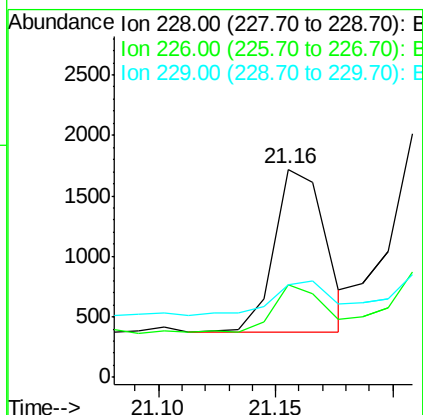
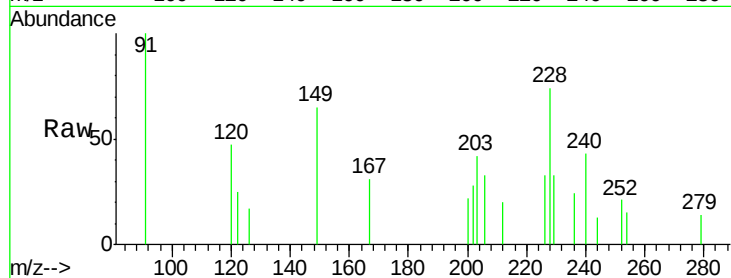
Tot Ion:228 Resp: 2077

Ion Ratio Lower Upper

228 100

226 44.3 21.7 32.5#

229 44.5 15.6 23.4#



#31

Chrysene

Concen: 0.030 ng

RT: 21.21 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BN010508.D

Acq: 15 Apr 2020 15:11

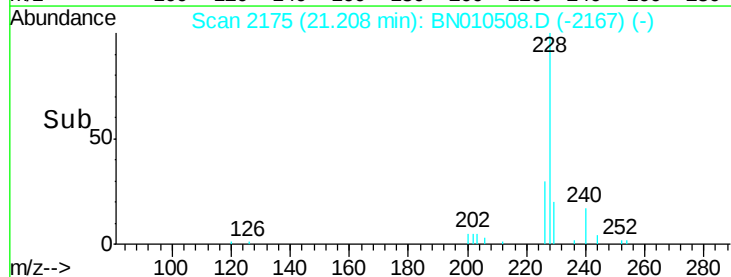
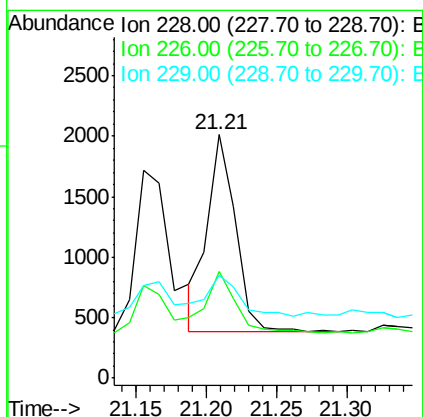
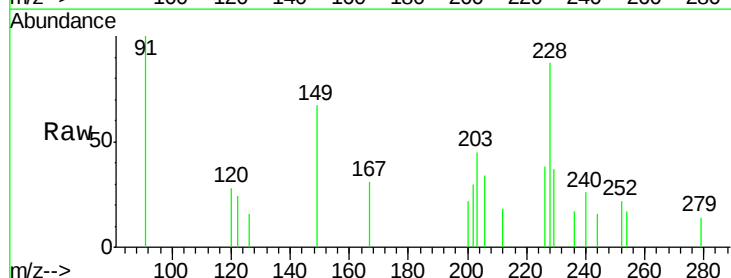
Tgt Ion:228 Resp: 2298

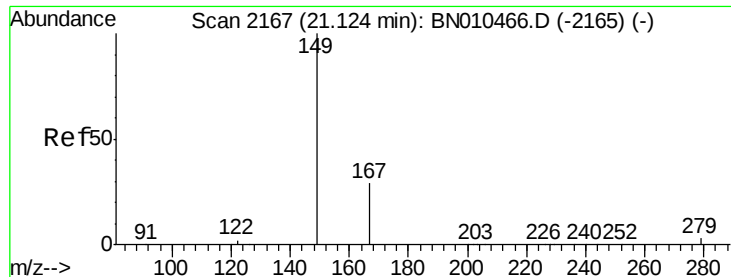
Ion Ratio Lower Upper

228 100

226 43.6 24.0 36.0#

229 42.4 15.8 23.6#

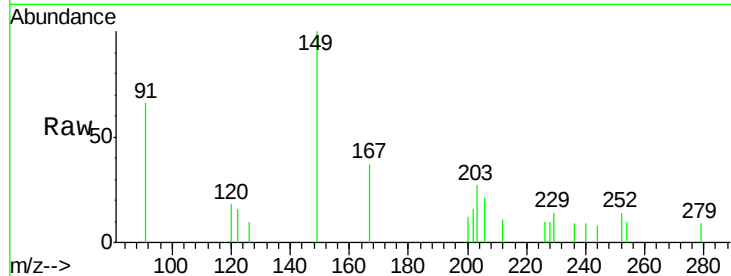




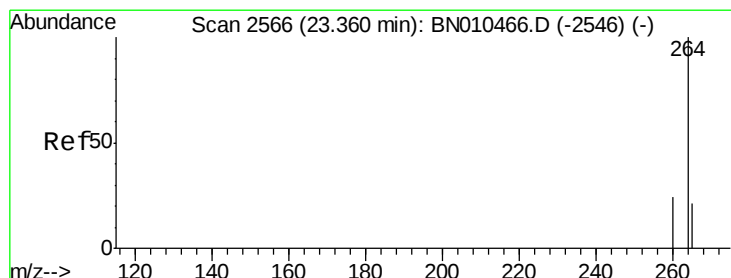
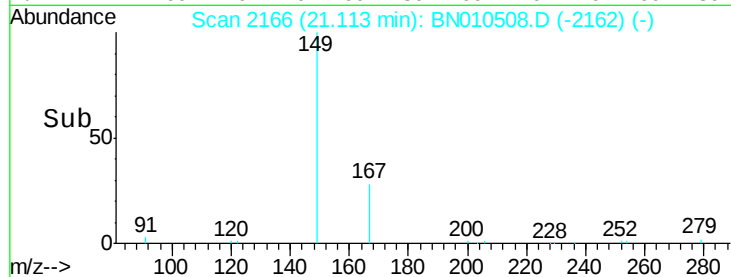
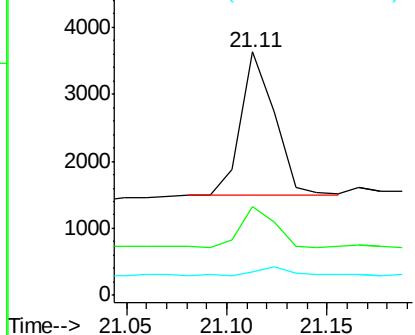
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.063 ng
 RT: 21.11 min Scan# 2166
 Delta R.T. -0.01 min
 Lab File: BN010508.D
 Acq: 15 Apr 2020 15:11

Instrument :
 BNA_N
 ClientSampleId :
 MW-2FRE

Tot Ion:149 Resp: 2528
 Ion Ratio Lower Upper
 149 100
 167 29.3 23.4 35.0
 279 5.9 4.0 6.0

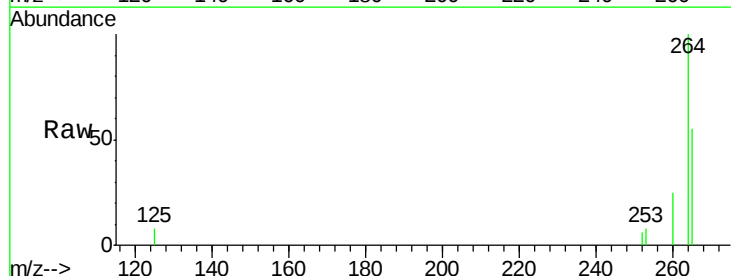


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

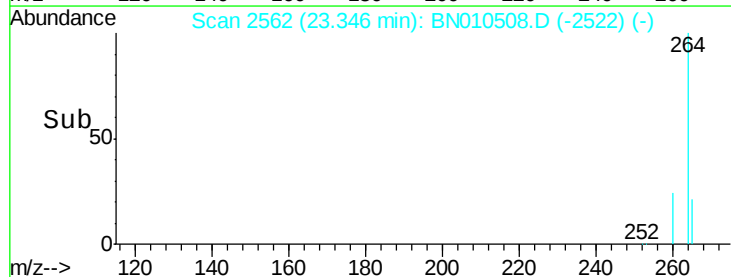
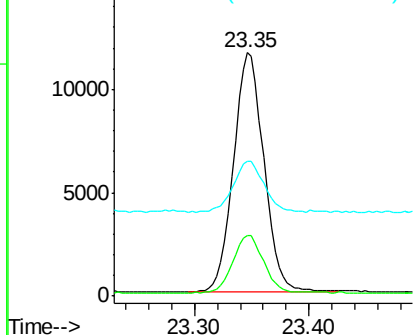


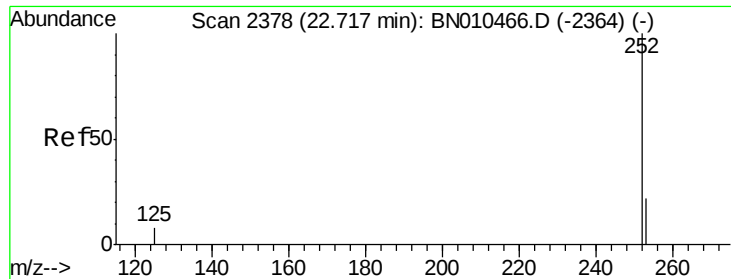
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.35 min Scan# 2562
 Delta R.T. -0.01 min
 Lab File: BN010508.D
 Acq: 15 Apr 2020 15:11

Tgt Ion:264 Resp: 21243
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.8 29.8
 265 55.3 42.3 63.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

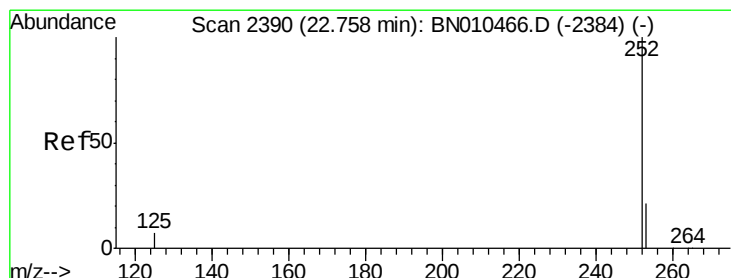
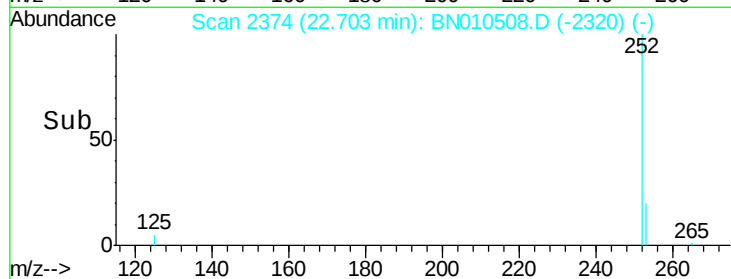
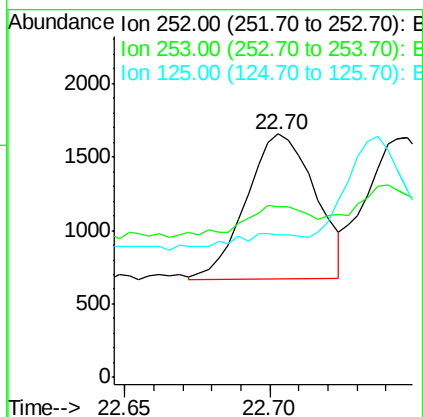
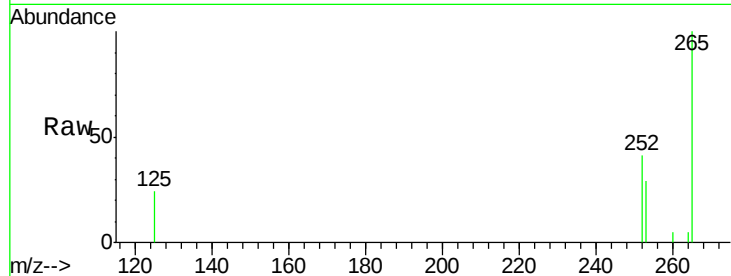




#35
Benzo(b)fluoranthene
Concen: 0.023 ng
RT: 22.70 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BN010508.D
Acq: 15 Apr 2020 15:11

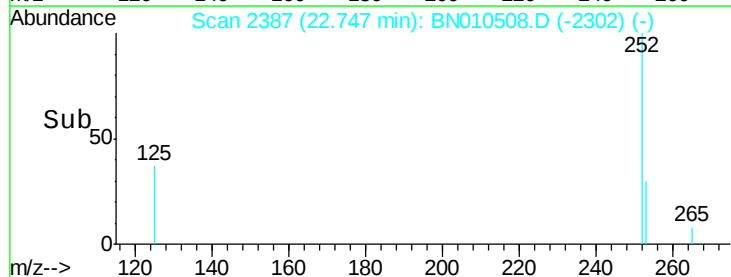
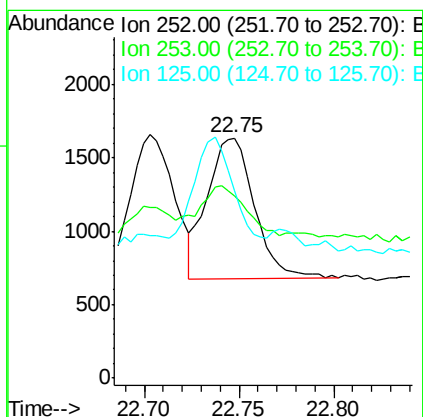
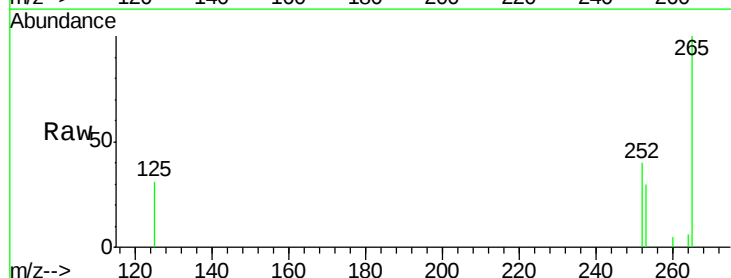
Instrument :
BNA_N
ClientSampleId :
MW-2FRE

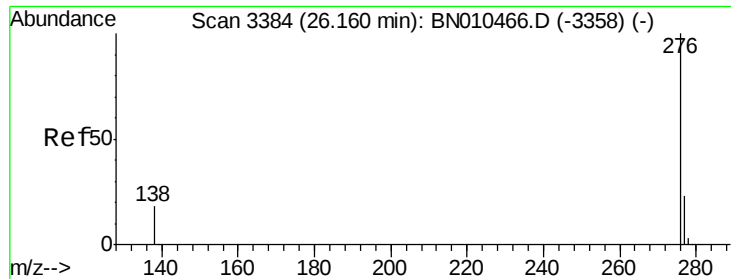
Tot Ion:252 Resp: 1633
Ion Ratio Lower Upper
252 100
253 70.1 20.2 30.4#
125 58.6 9.2 13.8#



#36
Benzo(k)fluoranthene
Concen: 0.024 ng
RT: 22.75 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BN010508.D
Acq: 15 Apr 2020 15:11

Tgt Ion:252 Resp: 1662
Ion Ratio Lower Upper
252 100
253 76.2 20.1 30.1#
125 78.0 9.6 14.4#





#39

Benzo(a,h,i)perylene

Concen: 0.023 ng

RT: 26.14 min Scan# 3379

Delta R.T. -0.02 min

Lab File: BN010508.D

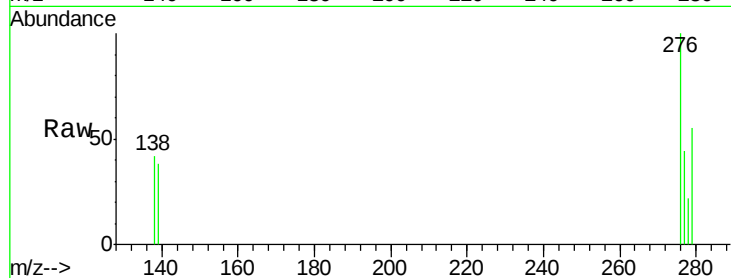
Acq: 15 Apr 2020 15:11

Instrument :

BNA_N

ClientSampleId :

MW-2FRE



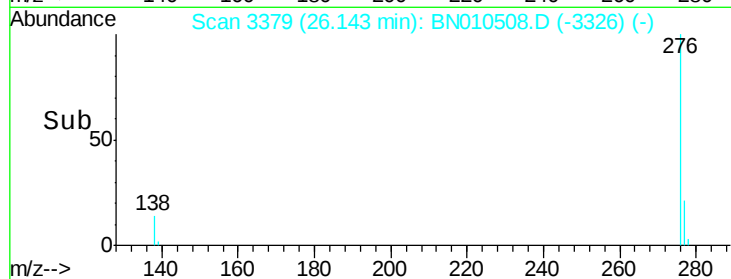
Tot Ion: 276 Resp: 1286

Ion Ratio Lower Upper

276 100

277 44.2 20.2 30.2#

138 41.7 15.4 23.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

