

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082519\
 Data File : BN007394.D
 Acq On : 25 Aug 2019 14:15
 Operator : HP/JU
 Sample : PB122289BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB122289BS

Quant Time: Aug 26 05:21:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4825	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	19412	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	10554	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	22655	0.40	ng	0.00
27) Chrysene-d12	21.02	240	22848	0.40	ng	0.00
34) Perylene-d12	23.12	264	27187	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	9621	0.59	ng	0.00
5) Phenol-d6	6.59	99	12674	0.61	ng	0.00
8) Nitrobenzene-d5	8.53	82	10650	0.63	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	7379	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	3371	0.61	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	27221	0.64	ng	0.00
25) Fluoranthene-d10	18.84	212	16565	0.23	ng	0.00
29) Terphenyl-d14	19.46	244	37050	0.62	ng	0.00

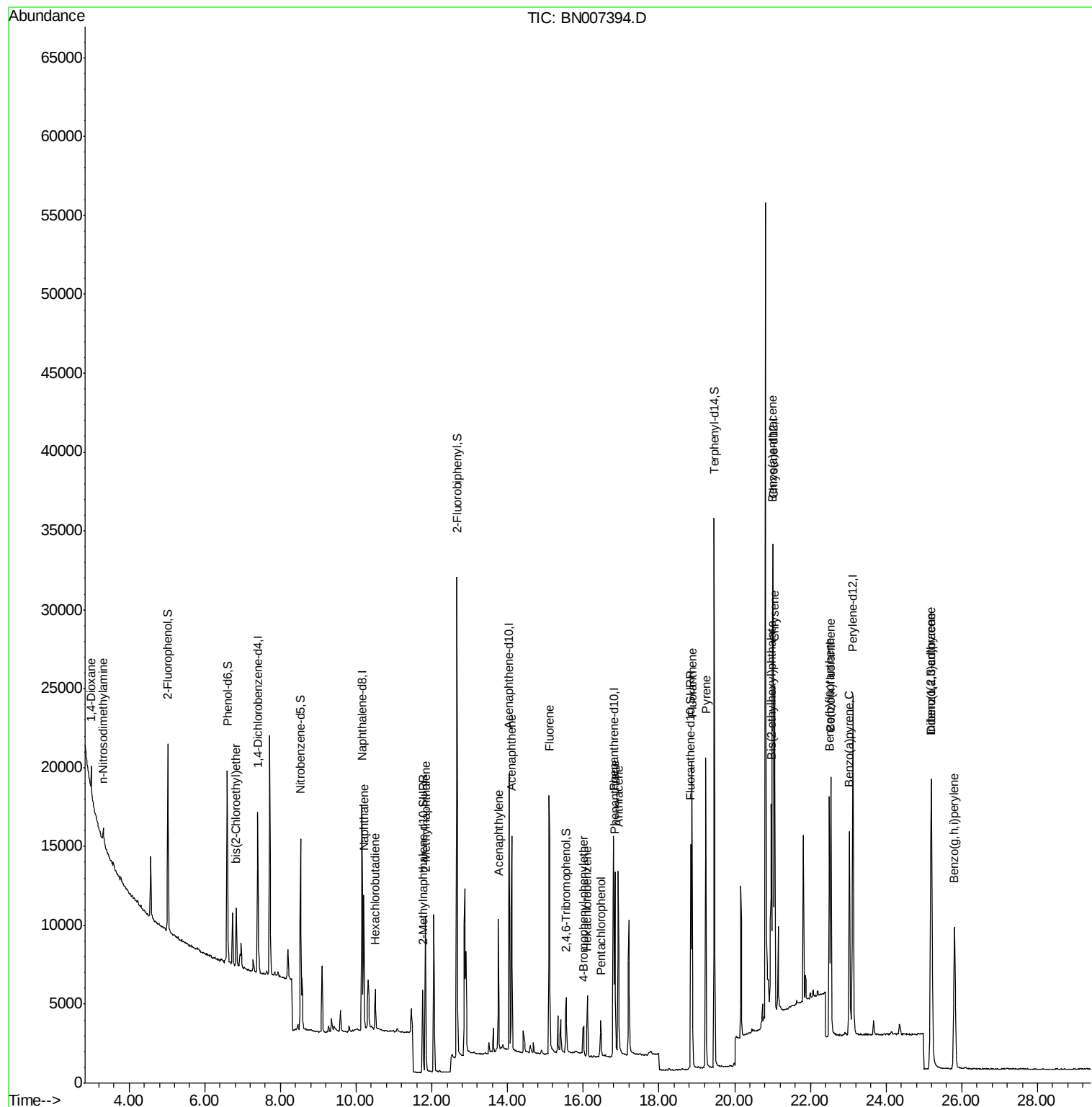
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.00	88	1449	0.181	ng	# 78
3) n-Nitrosodimethylamine	3.31	42	882	0.237	ng	# 86
6) bis(2-Chloroethyl)ether	6.83	93	3170	0.182	ng	95
9) Naphthalene	10.20	128	10664	0.192	ng	# 91
10) Hexachlorobutadiene	10.51	225	2058	0.181	ng	# 98
12) 2-Methylnaphthalene	11.83	142	7328	0.194	ng	99
16) Acenaphthylene	13.76	152	11450	0.183	ng	98
17) Acenaphthene	14.11	154	6803	0.186	ng	98
18) Fluorene	15.10	166	8600	0.186	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	932	0.104	ng	# 89
21) Hexachlorobenzene	16.11	284	3235	0.213	ng	95
22) Pentachlorophenol	16.46	266	1348	0.286	ng	# 63
23) Phenanthrene	16.84	178	14028	0.206	ng	100
24) Anthracene	16.93	178	12982	0.189	ng	99
26) Fluoranthene	18.87	202	17767	0.203	ng	100
28) Pyrene	19.24	202	18203	0.198	ng	100
30) Benzo(a)anthracene	21.01	228	17757	0.198	ng	98
31) Chrysene	21.05	228	17296	0.200	ng	98
32) Bis(2-ethylhexyl)phthalate	20.96	149	13506	0.214	ng	95
33) Indeno(1,2,3-cd)pyrene	25.18	276	23414	0.224	ng	98
35) Benzo(b)fluoranthene	22.50	252	18624	0.189	ng	98
36) Benzo(k)fluoranthene	22.55	252	19287	0.198	ng	99
37) Benzo(a)pyrene	23.03	252	17965	0.192	ng	98
38) Dibenzo(a,h)anthracene	25.20	278	19304	0.206	ng	99
39) Benzo(g,h,i)perylene	25.81	276	19346	0.208	ng	98

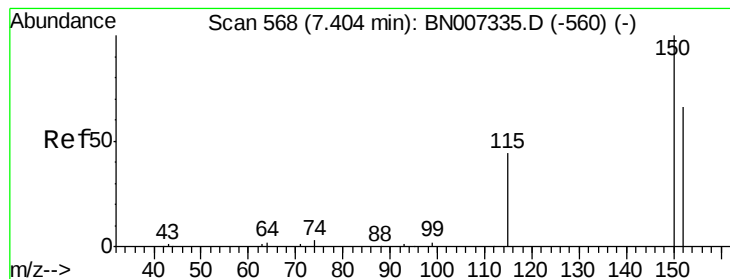
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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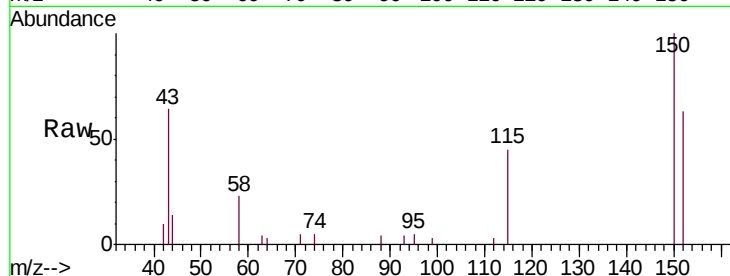


#1

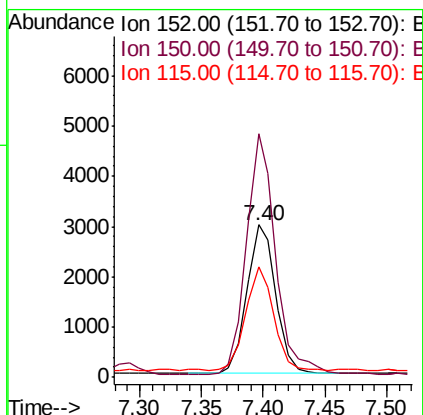
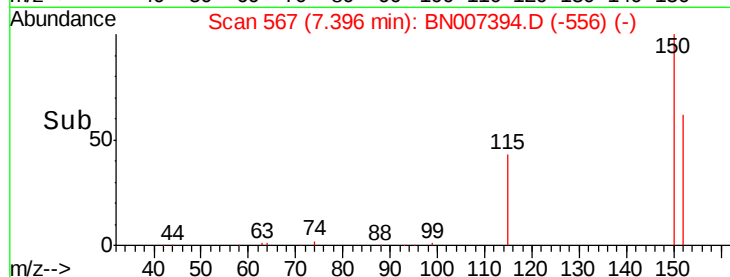
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.40 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: BN007394.D
 Acq: 25 Aug 2019 14:15

Instrument :
 BNA_N
 ClientSampleId :
 PB122289BS

Tot Ion:152 Resp: 4825
 Ion Ratio Lower Upper
 152 100
 150 159.9 109.1 163.7
 115 72.3 59.6 89.4



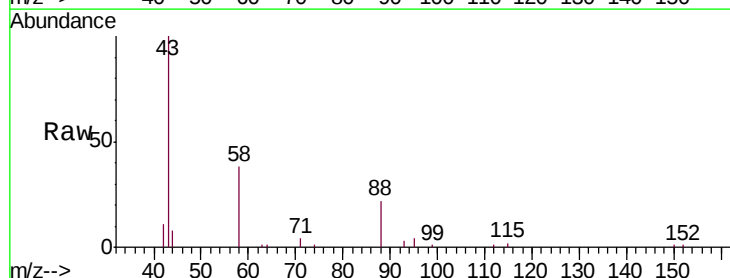
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



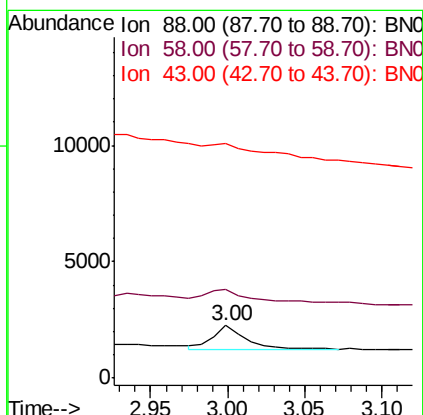
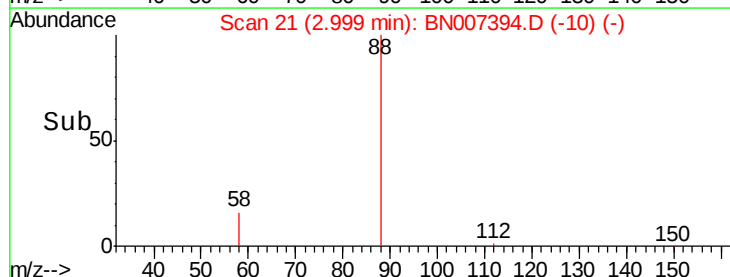
#2

1,4-Dioxane
 Concen: 0.181 ng
 RT: 3.00 min Scan# 21
 Delta R.T. -0.01 min
 Lab File: BN007394.D
 Acq: 25 Aug 2019 14:15

Tgt Ion: 88 Resp: 1449
 Ion Ratio Lower Upper
 88 100
 58 79.8 50.5 75.7#
 43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BNC
 Ion 58.00 (57.70 to 58.70): BNC
 Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.237 ng

RT: 3.31 min Scan# 60

Delta R.T. -0.02 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

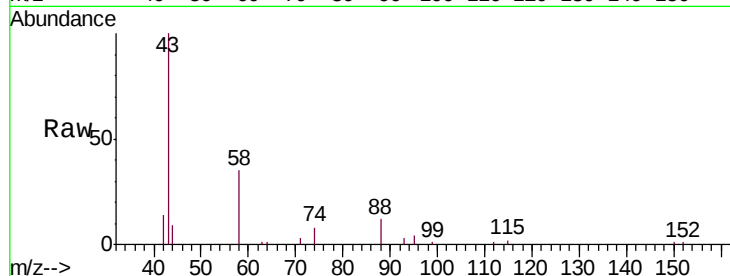
Tot Ion: 42 Resp: 882

Ion Ratio Lower Upper

42 100

74 160.3 144.7 217.1

44 7.5 3.2 4.8#



Abundance Ion 42.00 (41.70 to 42.70): BN007335.D (-57) (-)

Ion 74.00 (73.70 to 74.70): BN007335.D (-57) (-)

Ion 44.00 (43.70 to 44.70): BN007335.D (-57) (-)

3.31

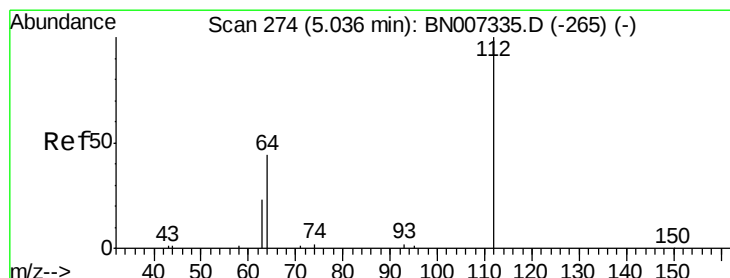
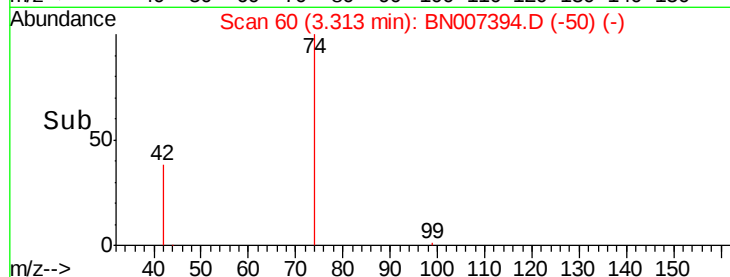
1000

500

0

Time-->

3.25 3.30 3.35 3.40



#4

2-Fluorophenol

Concen: 0.587 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

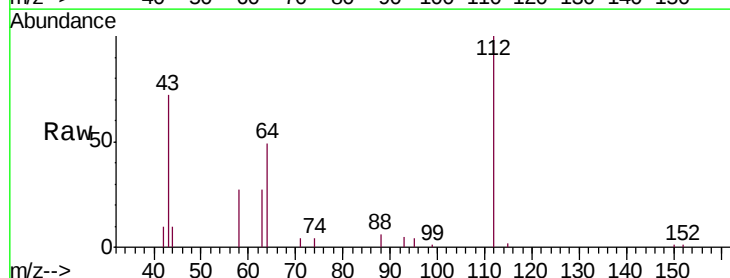
Tgt Ion: 112 Resp: 9621

Ion Ratio Lower Upper

112 100

64 52.8 42.3 63.5

63 27.9 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BN007335.D (-265) (-)

Ion 64.00 (63.70 to 64.70): BN007335.D (-265) (-)

Ion 63.00 (62.70 to 63.70): BN007335.D (-265) (-)

5.03

8000

6000

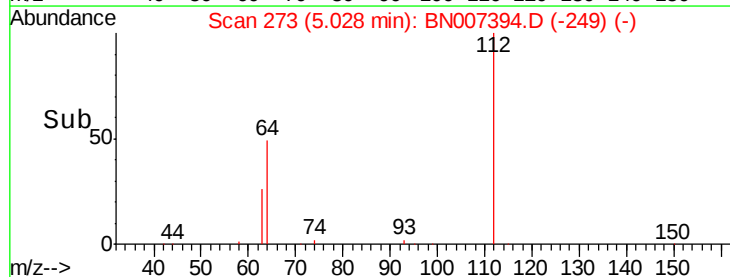
4000

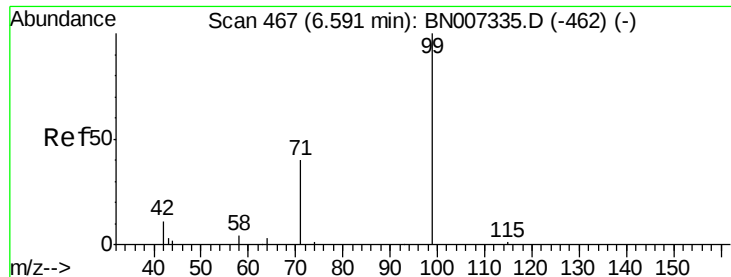
2000

0

Time-->

4.90 5.00 5.10





#5

Phenol-d6

Concen: 0.611 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

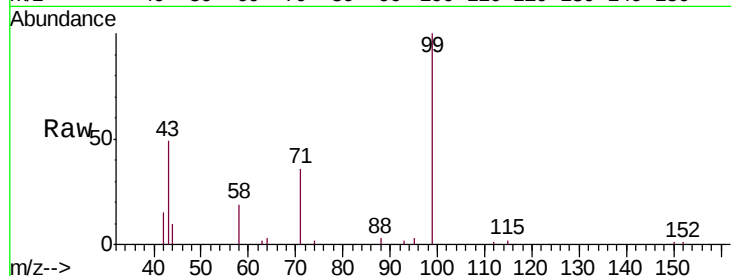
Tot Ion: 99 Resp: 12674

Ion Ratio Lower Upper

99 100

42 10.7 11.2 16.8#

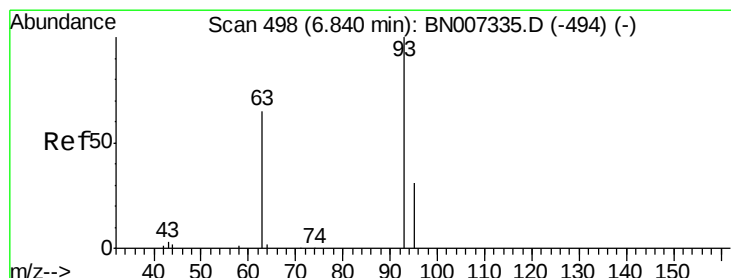
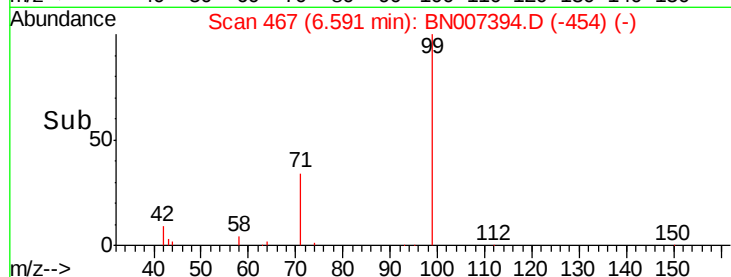
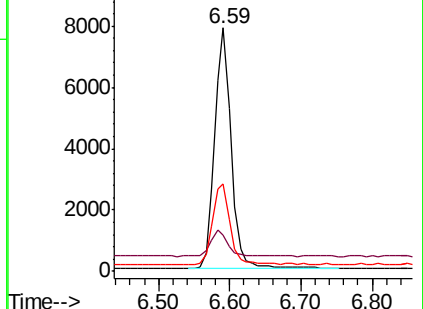
71 35.3 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007335.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007335.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.182 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

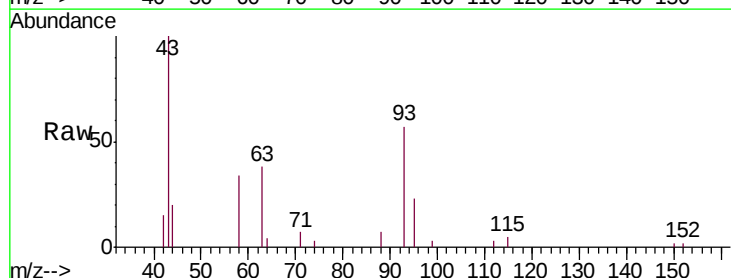
Tgt Ion: 93 Resp: 3170

Ion Ratio Lower Upper

93 100

63 60.6 51.9 77.9

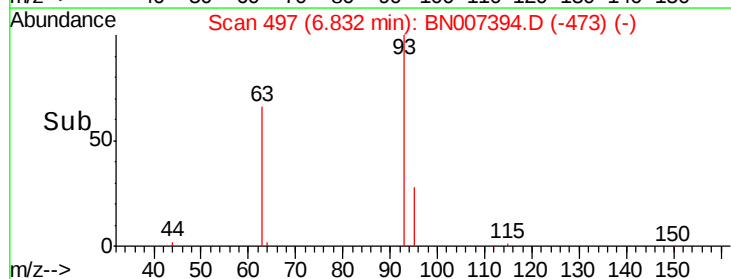
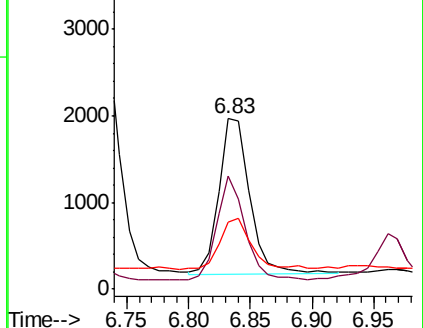
95 32.9 27.7 41.5

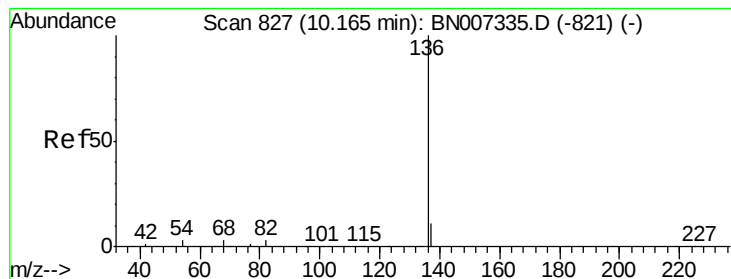


Abundance Ion 93.00 (92.70 to 93.70): BN007335.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007335.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007335.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

Tot Ion:136 Resp: 19412

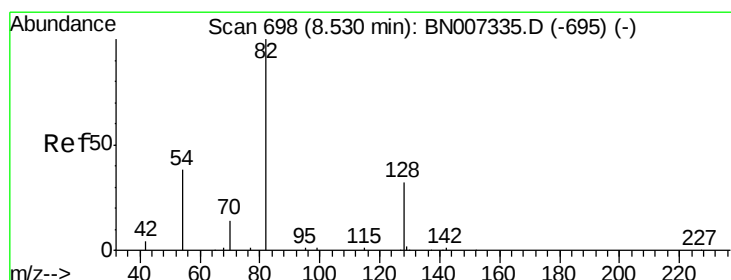
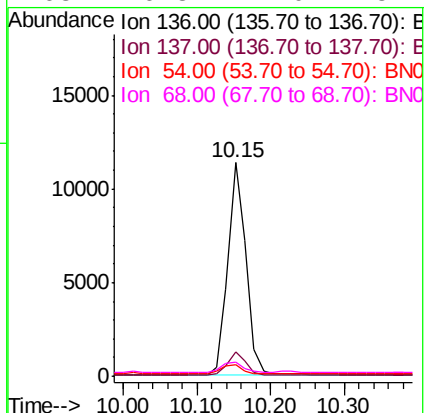
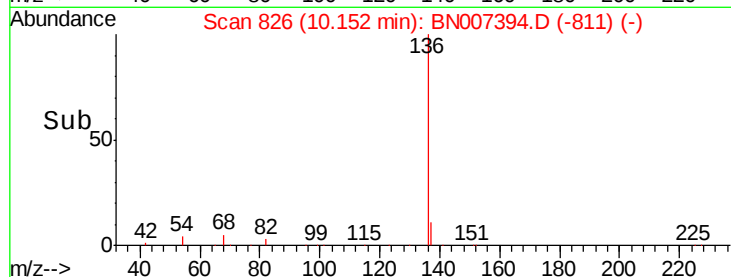
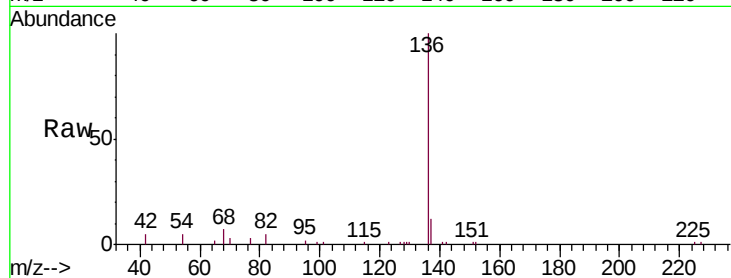
Ion Ratio Lower Upper

136 100

137 11.7 12.9 19.3#

54 5.2 8.6 12.8#

68 6.8 17.0 25.4#



#8

Nitrobenzene-d5

Concen: 0.630 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

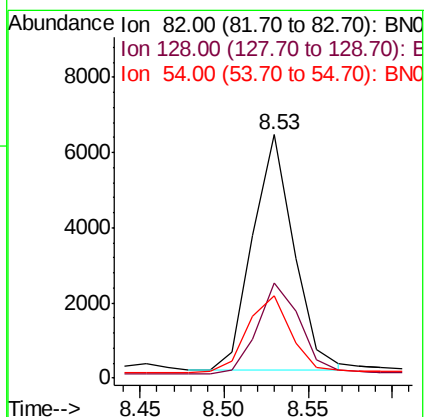
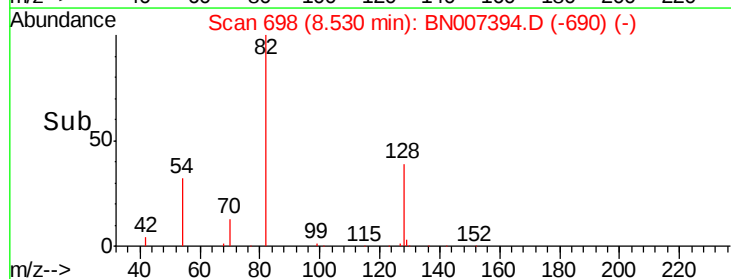
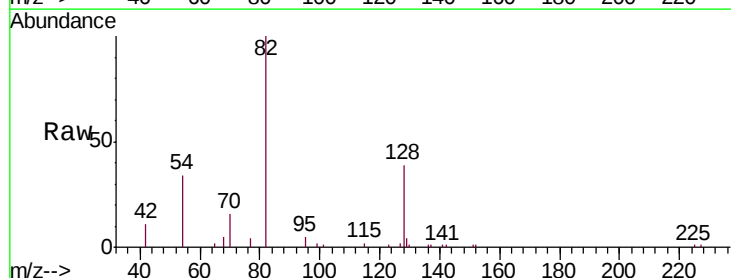
Tgt Ion: 82 Resp: 10650

Ion Ratio Lower Upper

82 100

128 39.3 19.7 29.5#

54 33.6 25.8 38.6





#9

Naphthalene

Concen: 0.192 ng

RT: 10.20 min Scan# 830

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

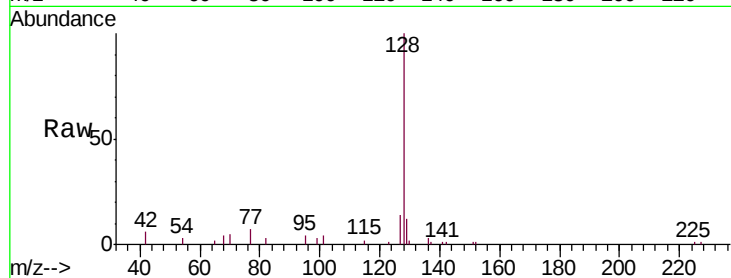
Tot Ion:128 Resp: 10664

Ion Ratio Lower Upper

128 100

129 12.3 11.1 16.7

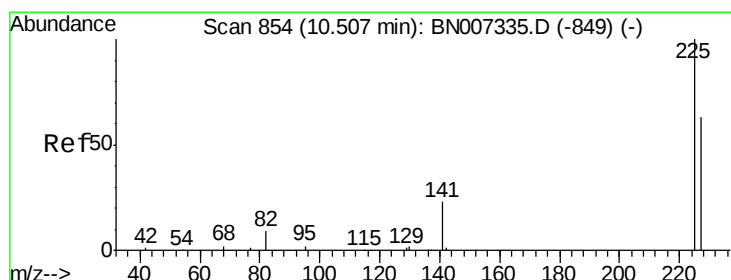
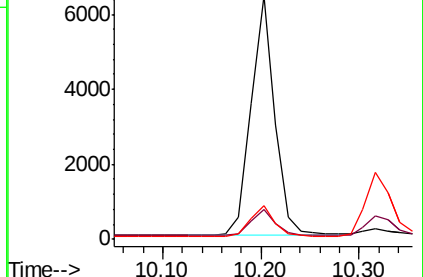
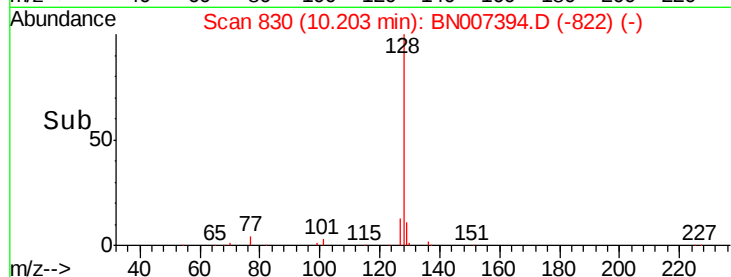
127 13.9 15.5 23.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.181 ng

RT: 10.51 min Scan# 854

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

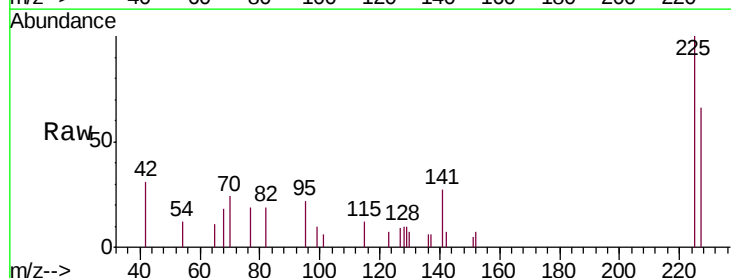
Tgt Ion:225 Resp: 2058

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

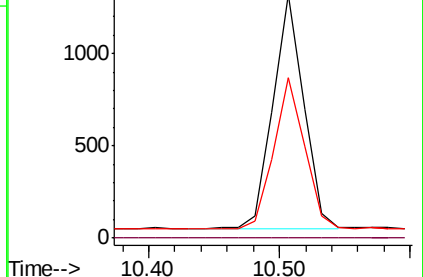
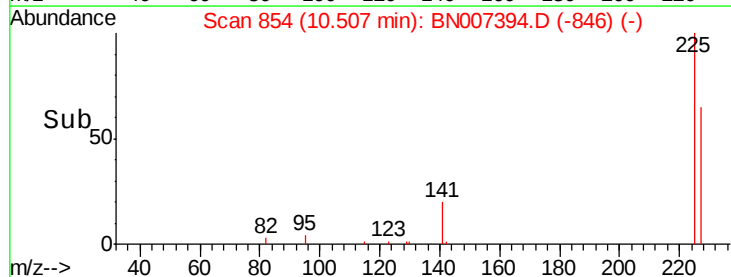
227 65.0 50.7 76.1

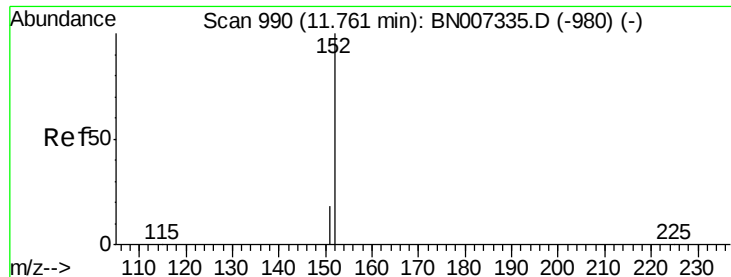


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.229 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

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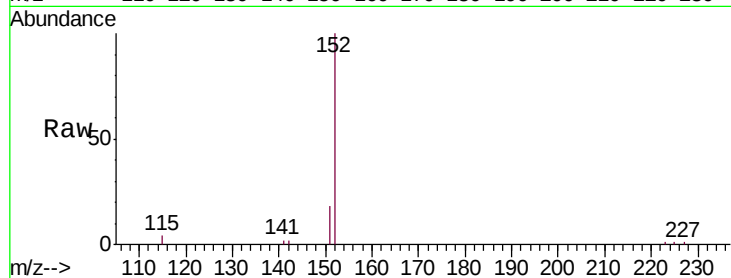
PB122289BS

Tot Ion:152 Resp: 7379

Ion Ratio Lower Upper

152 100

151 19.0 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

4000

3000

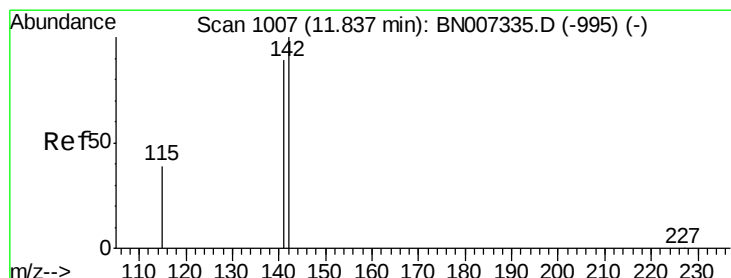
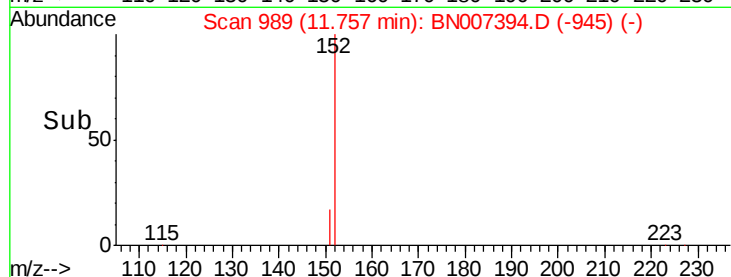
2000

1000

0

11.70 11.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.194 ng

RT: 11.83 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

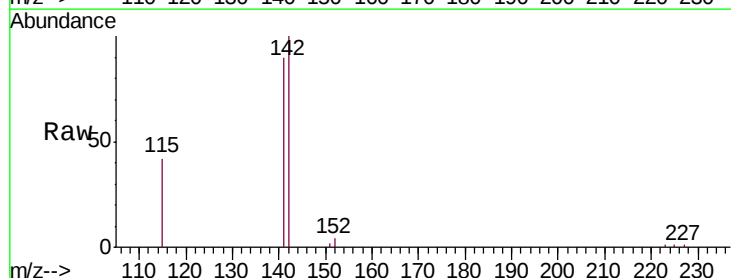
Tgt Ion:142 Resp: 7328

Ion Ratio Lower Upper

142 100

141 90.4 72.8 109.2

115 41.9 35.2 52.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

6000

5000

4000

3000

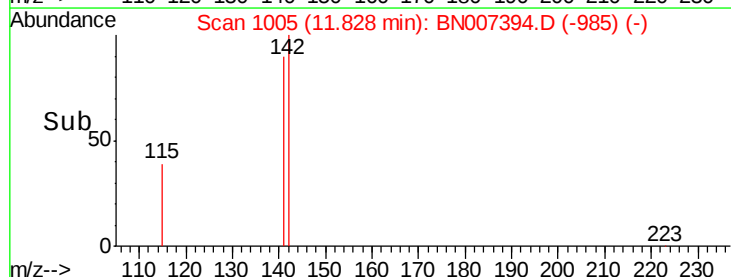
2000

1000

0

11.70 11.80 11.90 12.00

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

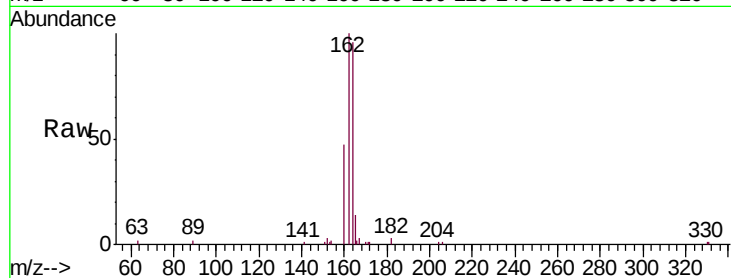
Tot Ion:164 Resp: 10554

Ion Ratio Lower Upper

164 100

162 104.1 83.5 125.3

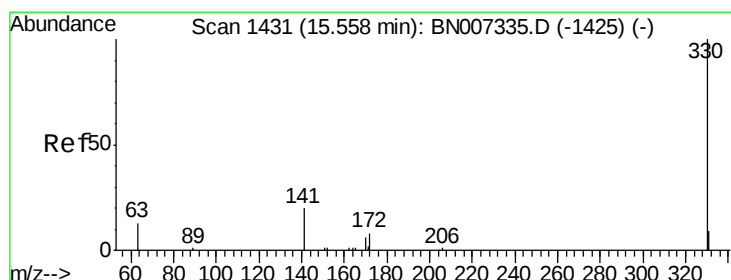
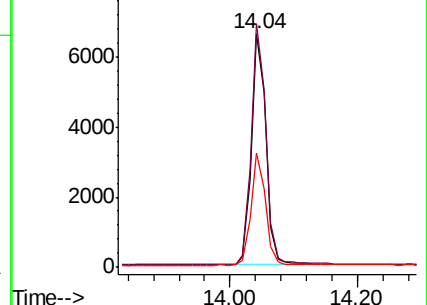
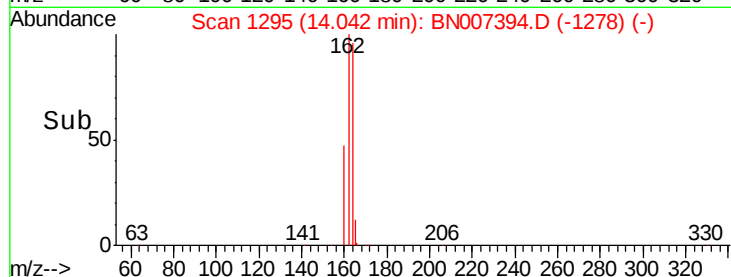
160 48.9 38.2 57.4



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: 0.611 ng

RT: 15.55 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

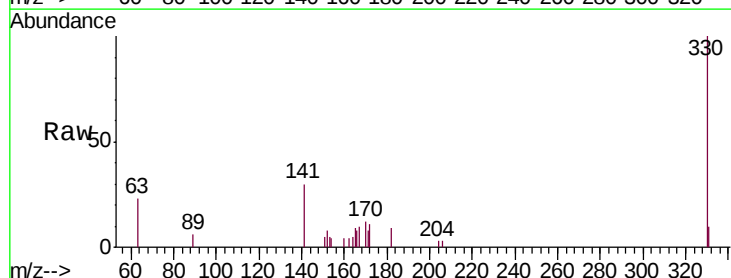
Tgt Ion:330 Resp: 3371

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

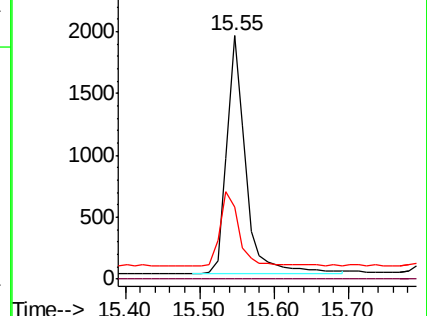
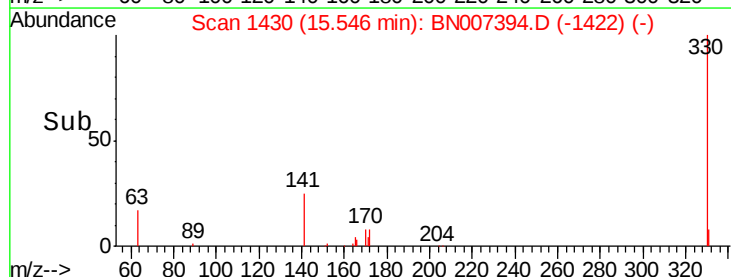
141 32.0 26.9 40.3



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

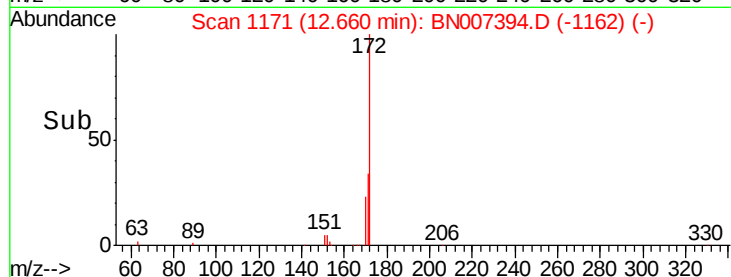
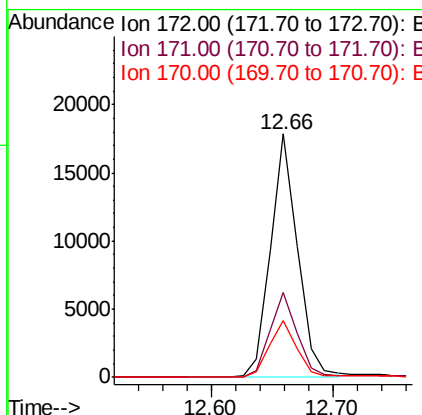
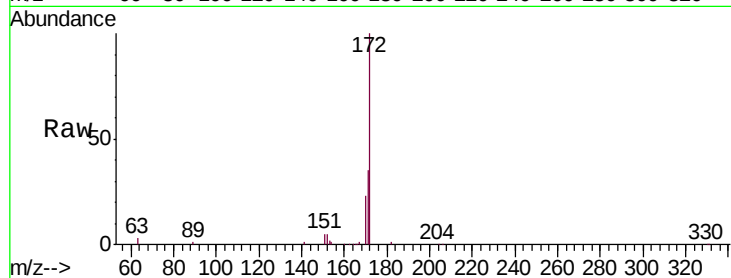




#15
2-Fluorobiphenyl
Concen: 0.640 ng
RT: 12.66 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BN007394.D
Acq: 25 Aug 2019 14:15

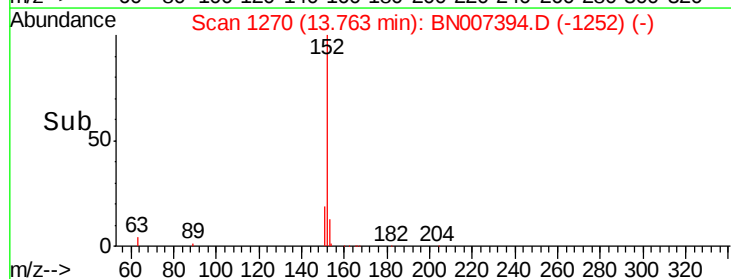
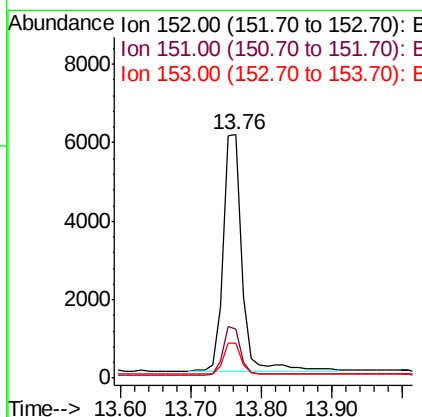
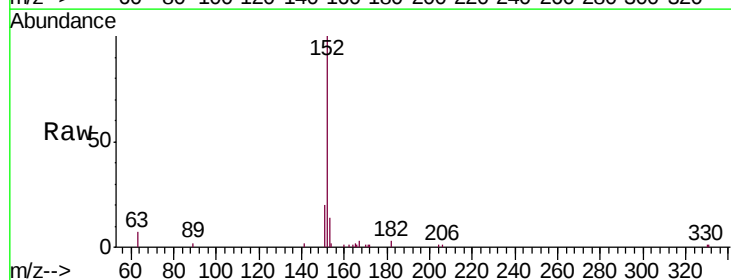
Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tot Ion:172 Resp: 27221
Ion Ratio Lower Upper
172 100
171 34.7 30.3 45.5
170 23.2 20.7 31.1



#16
Acenaphthylene
Concen: 0.183 ng
RT: 13.76 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BN007394.D
Acq: 25 Aug 2019 14:15

Tgt Ion:152 Resp: 11450
Ion Ratio Lower Upper
152 100
151 19.4 16.1 24.1
153 12.5 10.6 15.8





#17

Acenaphthene

Concen: 0.186 ng

RT: 14.11 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

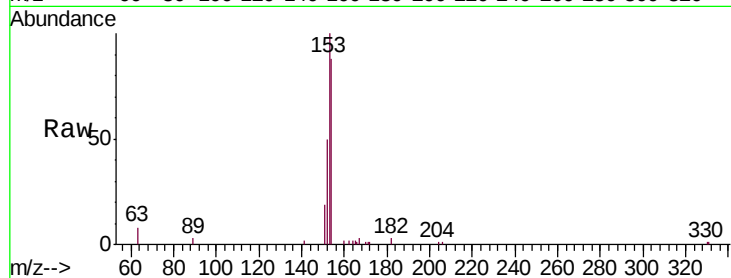
Tot Ion:154 Resp: 6803

Ion Ratio Lower Upper

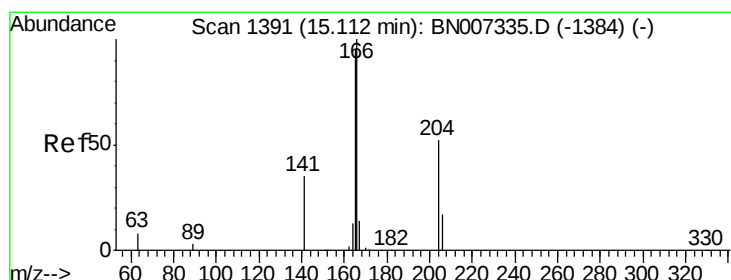
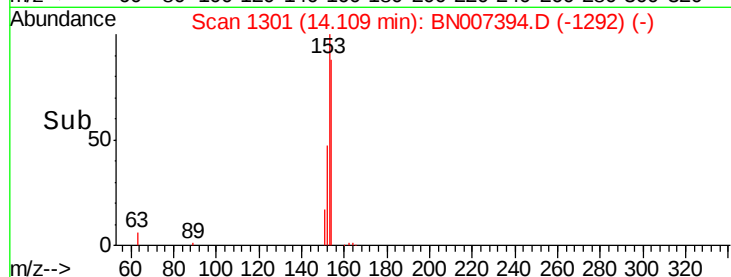
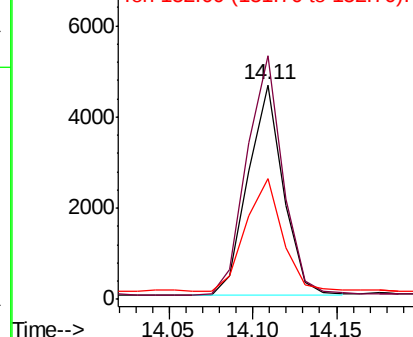
154 100

153 117.4 92.8 139.2

152 57.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.186 ng

RT: 15.10 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

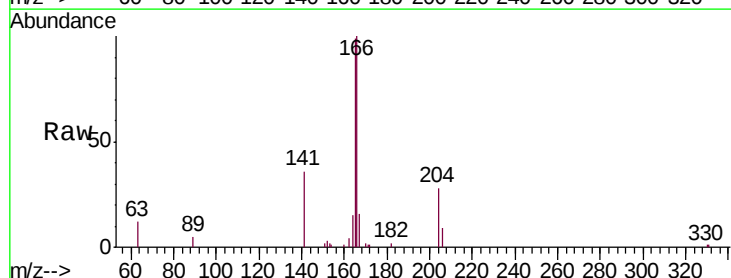
Tgt Ion:166 Resp: 8600

Ion Ratio Lower Upper

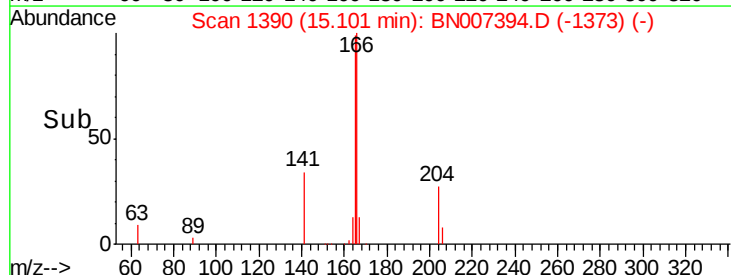
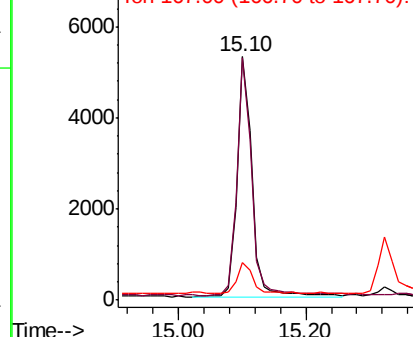
166 100

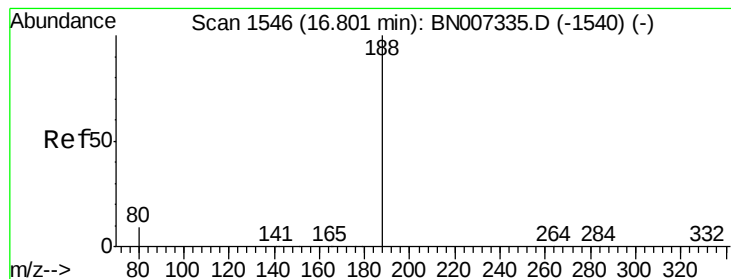
165 97.7 79.0 118.4

167 13.6 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1546

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

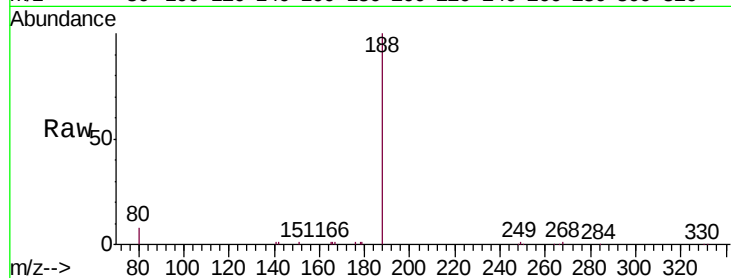
Tot Ion:188 Resp: 22655

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

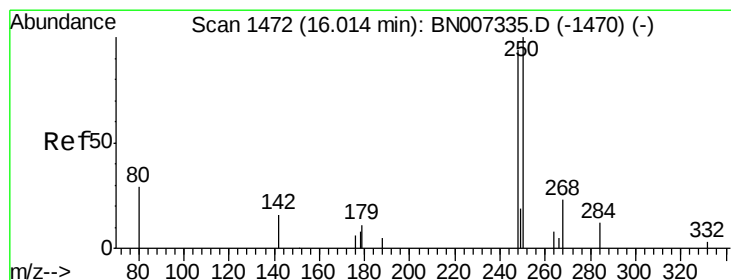
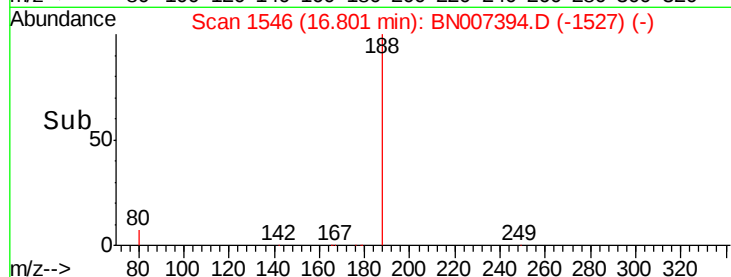
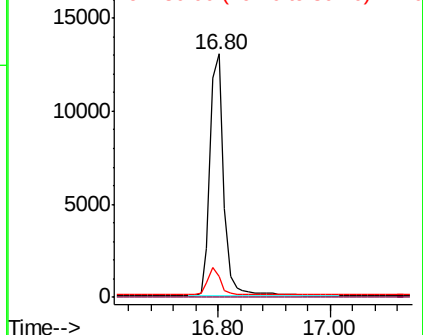
80 8.3 11.8 17.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.104 ng

RT: 16.01 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

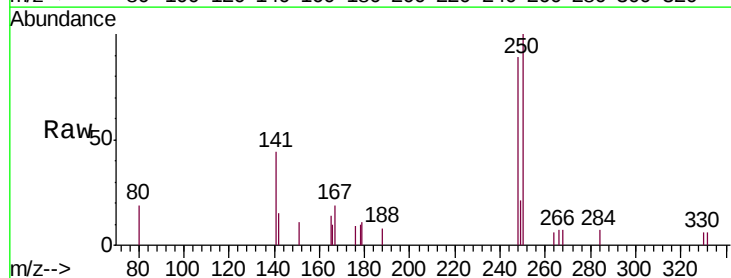
Tgt Ion:248 Resp: 932

Ion Ratio Lower Upper

248 100

250 112.7 85.0 127.6

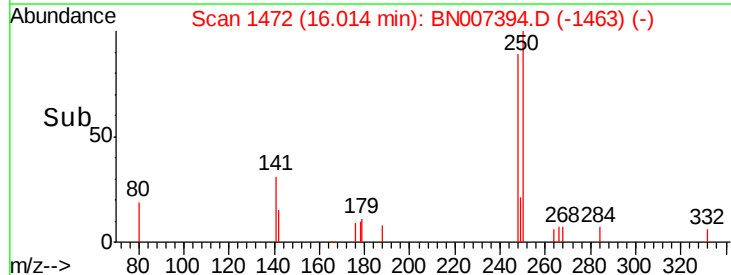
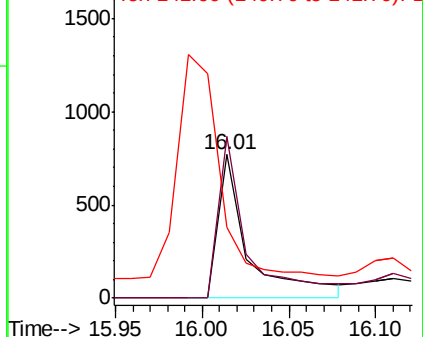
141 49.7 51.7 77.5#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

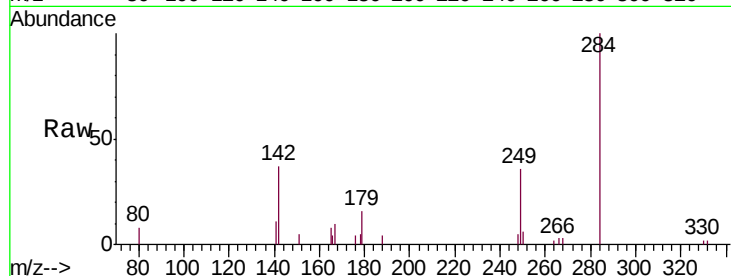




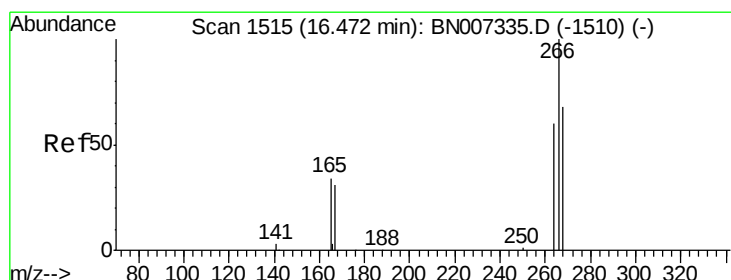
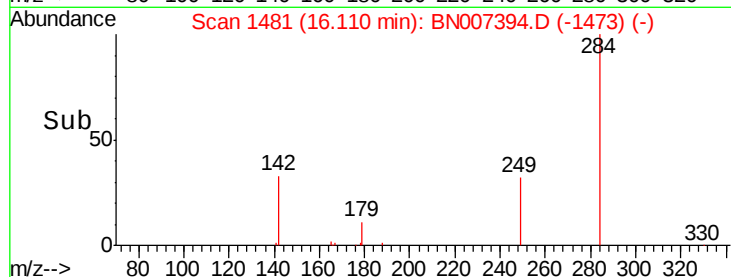
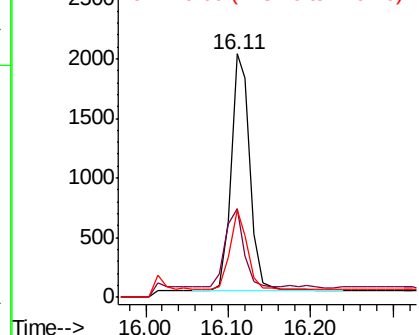
#21
Hexachlorobenzene
Concen: 0.213 ng
RT: 16.11 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BN007394.D
Acq: 25 Aug 2019 14:15

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	31.7	29.0	43.6
249	30.6	24.9	37.3

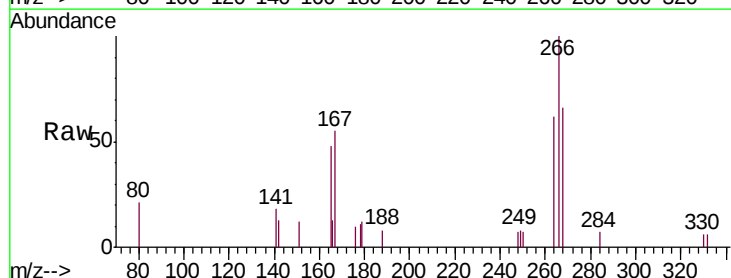


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

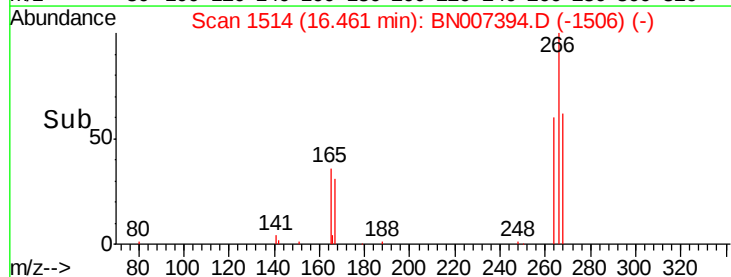
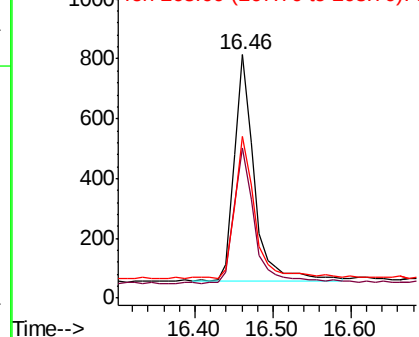


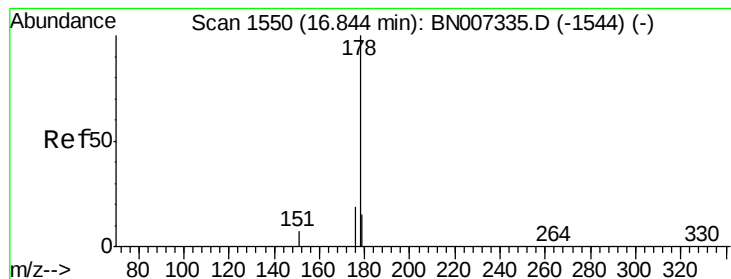
#22
Pentachlorophenol
Concen: 0.286 ng
RT: 16.46 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BN007394.D
Acq: 25 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.9	57.8	86.8
268	66.5	99.7	149.5#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.206 ng

RT: 16.84 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

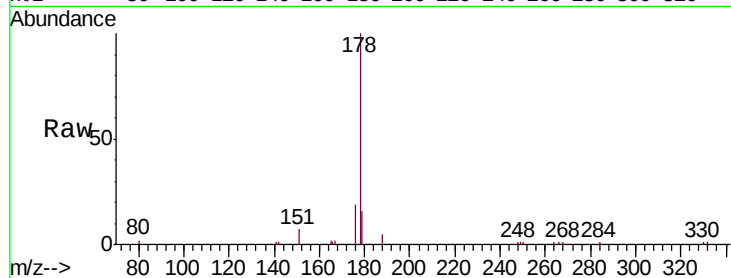
Tot Ion:178 Resp: 14028

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

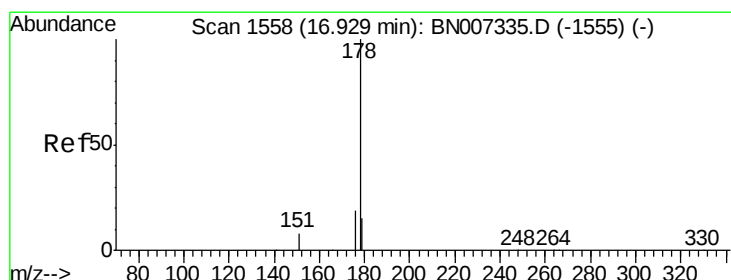
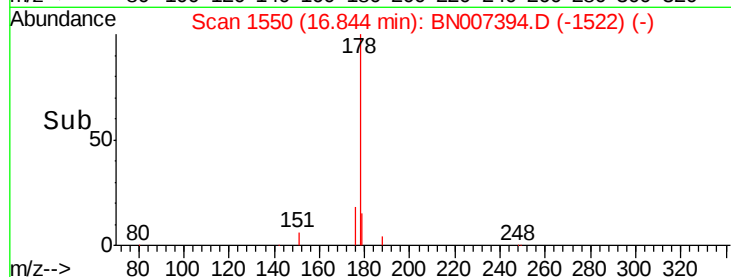
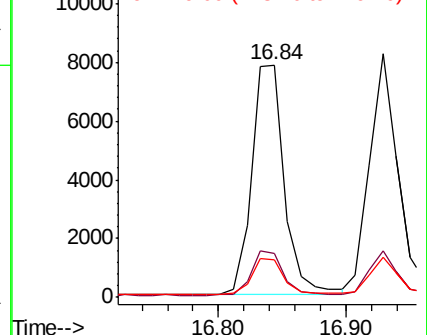
179 15.6 12.6 19.0



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



#24

Anthracene

Concen: 0.189 ng

RT: 16.93 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

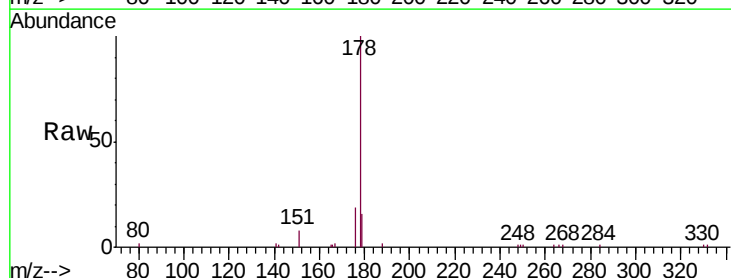
Tgt Ion:178 Resp: 12982

Ion Ratio Lower Upper

178 100

176 17.8 14.9 22.3

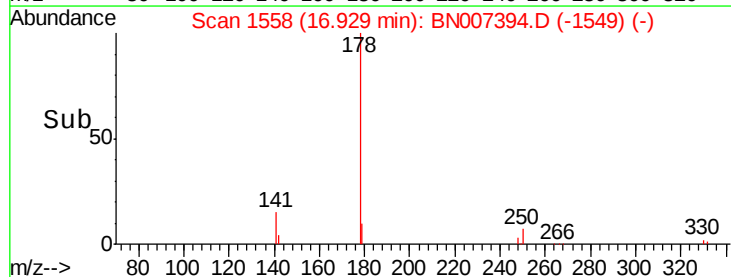
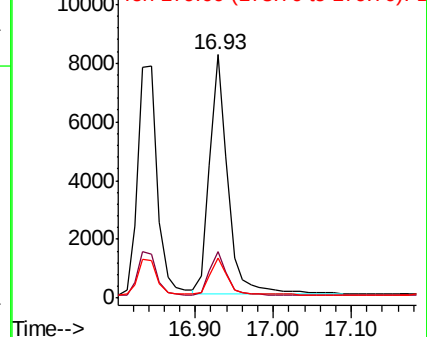
179 15.5 12.4 18.6

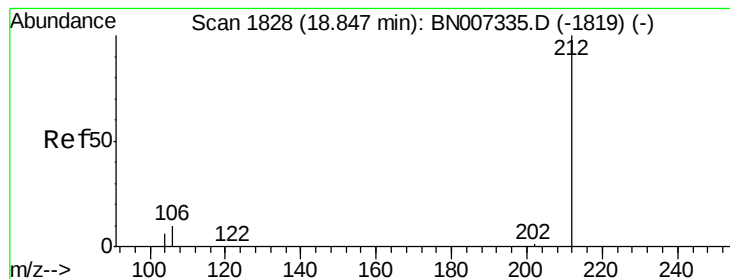


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.227 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

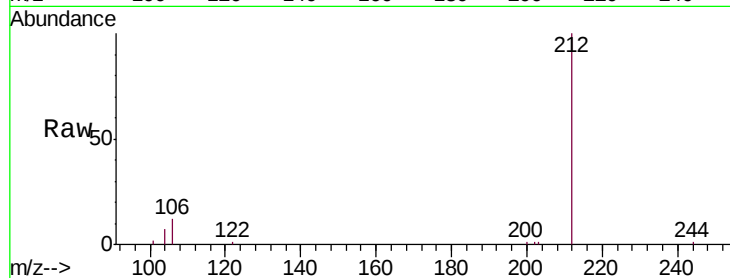
Tot Ion:212 Resp: 16565

Ion Ratio Lower Upper

212 100

106 11.0 9.0 13.4

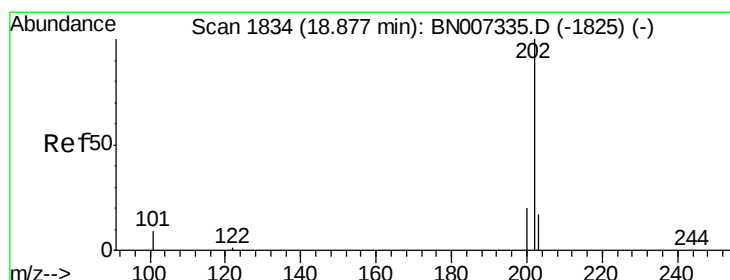
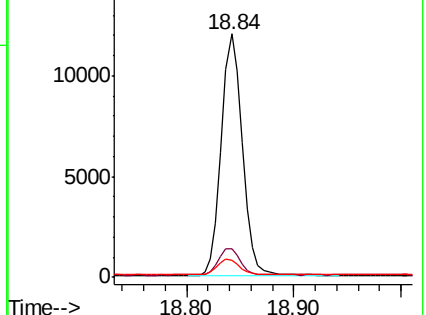
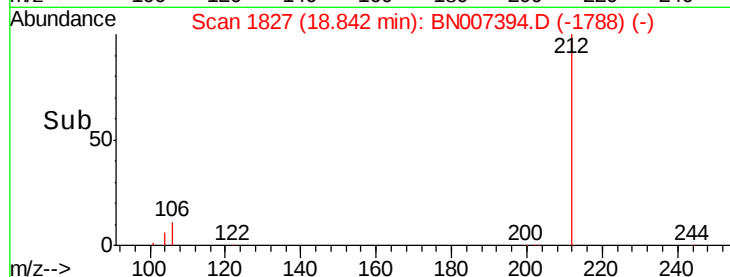
104 6.6 5.4 8.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.203 ng

RT: 18.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

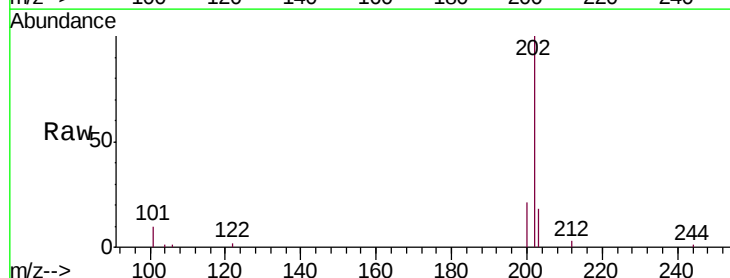
Tgt Ion:202 Resp: 17767

Ion Ratio Lower Upper

202 100

101 9.8 7.7 11.5

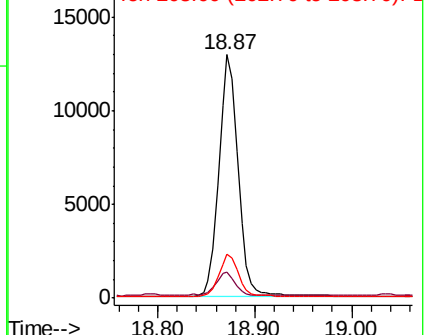
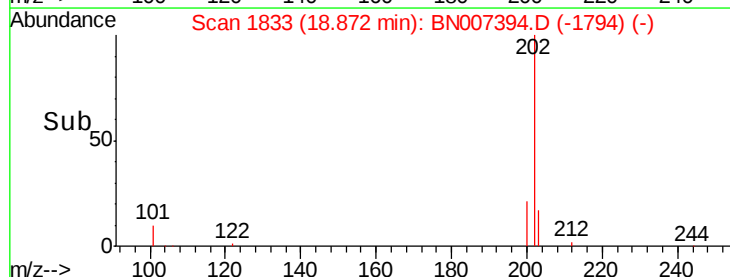
203 17.3 13.7 20.5



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: 21.02 min Scan# 2157

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

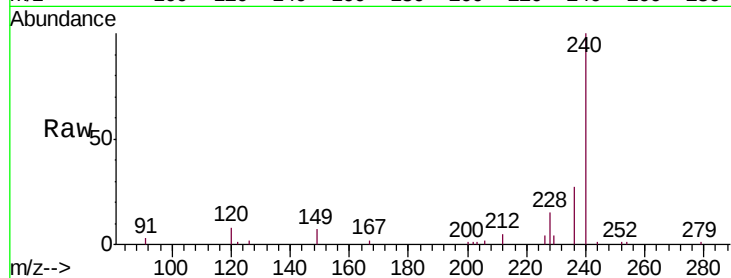
Tot Ion:240 Resp: 22848

Ion Ratio Lower Upper

240 100

120 8.1 9.6 14.4#

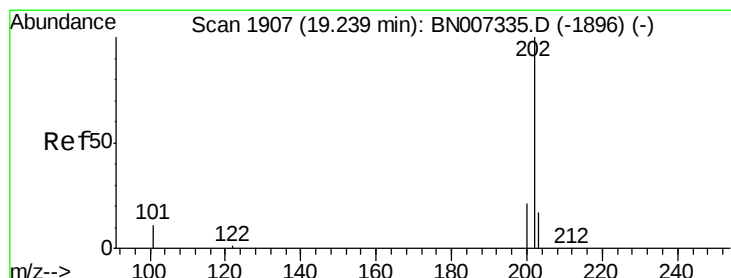
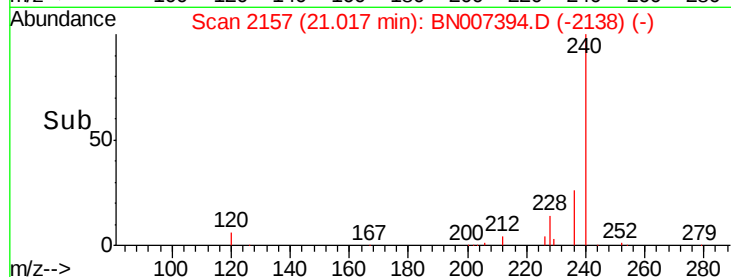
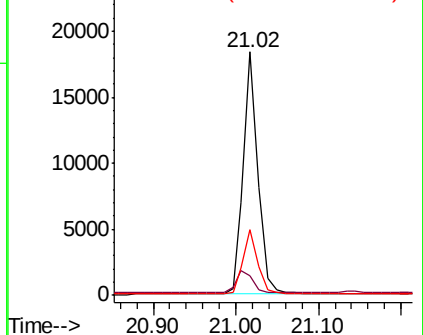
236 26.8 22.2 33.2



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



#28

Pyrene

Concen: 0.198 ng

RT: 19.24 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

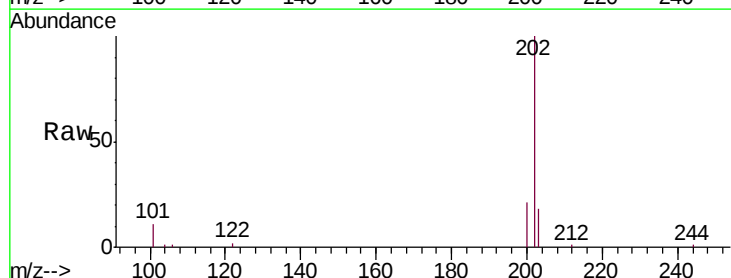
Tgt Ion:202 Resp: 18203

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

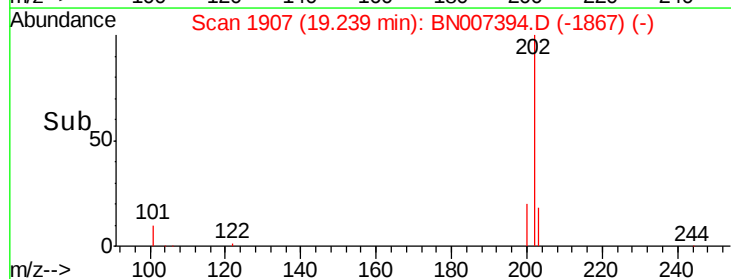
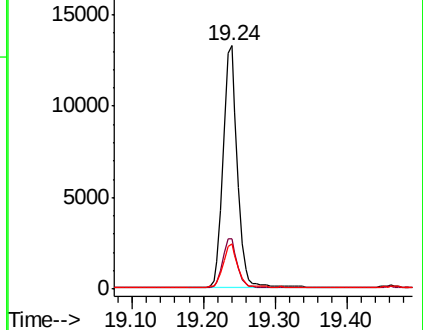
203 17.7 14.2 21.4



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





#29

Terphenyl-d14

Concen: 0.620 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

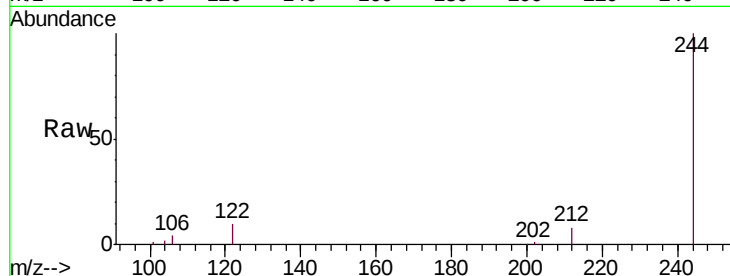
Tot Ion:244 Resp: 37050

Ion Ratio Lower Upper

244 100

212 7.7 7.0 10.6

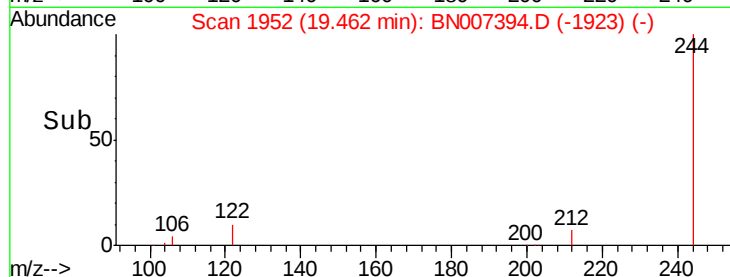
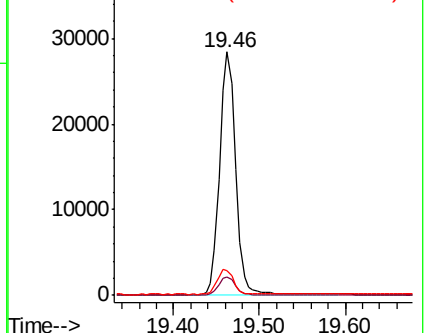
122 10.4 9.6 14.4



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



#30

Benzo(a)anthracene

Concen: 0.198 ng

RT: 21.01 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

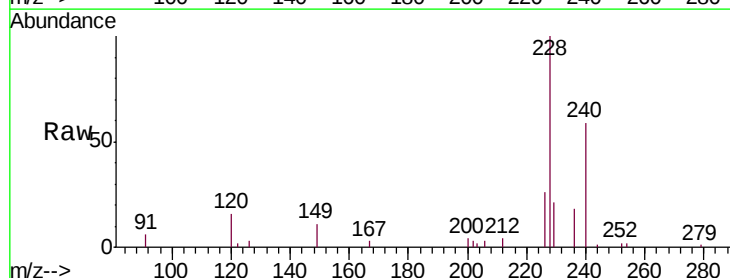
Tgt Ion:228 Resp: 17757

Ion Ratio Lower Upper

228 100

226 25.7 21.3 31.9

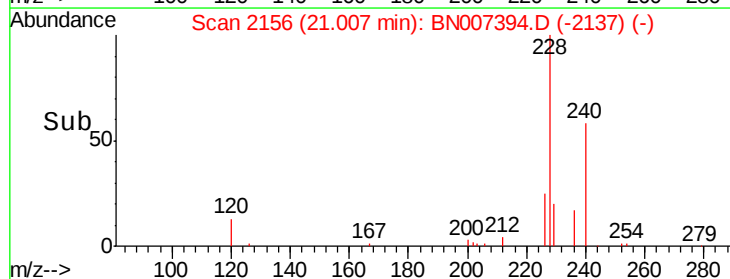
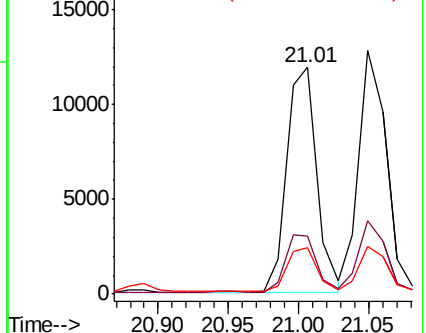
229 20.7 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.200 ng

RT: 21.05 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

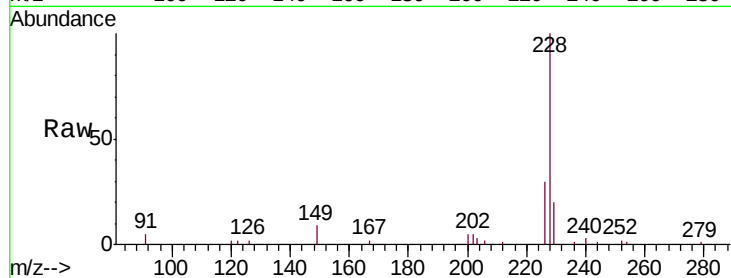
Tot Ion:228 Resp: 17296

Ion Ratio Lower Upper

228 100

226 30.3 23.5 35.3

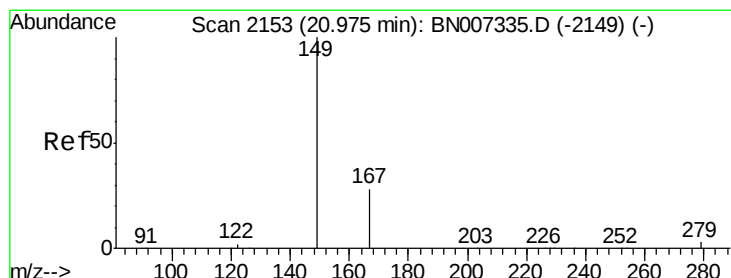
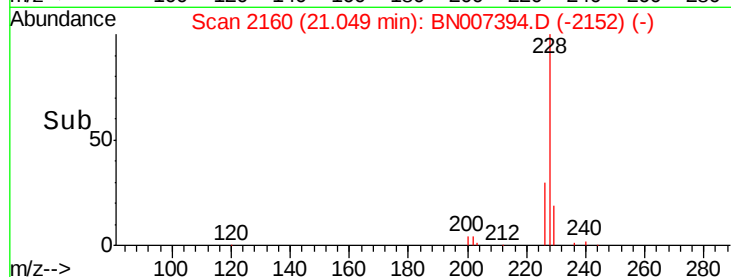
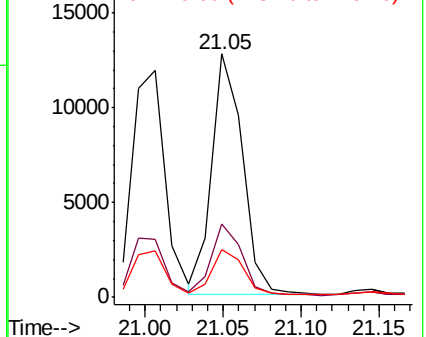
229 19.6 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.214 ng

RT: 20.96 min Scan# 2152

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

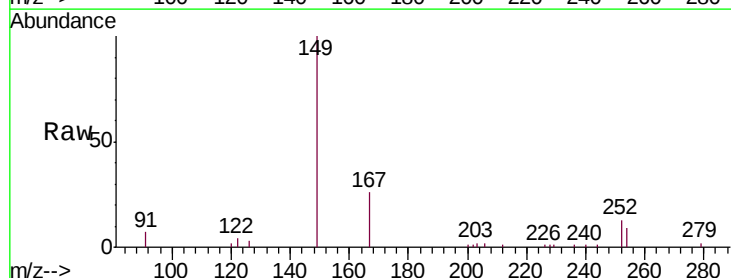
Tgt Ion:149 Resp: 13506

Ion Ratio Lower Upper

149 100

167 25.7 22.8 34.2

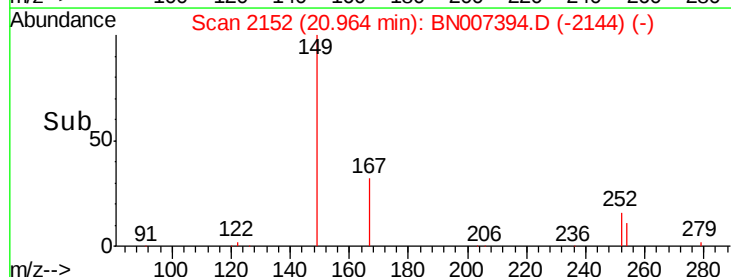
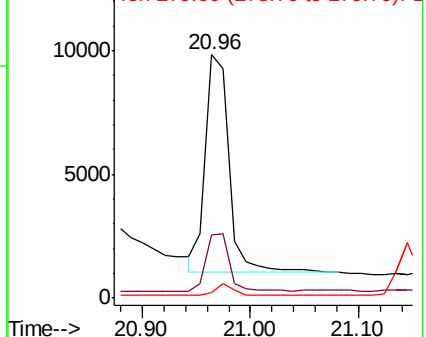
279 4.5 3.5 5.3



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.224 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

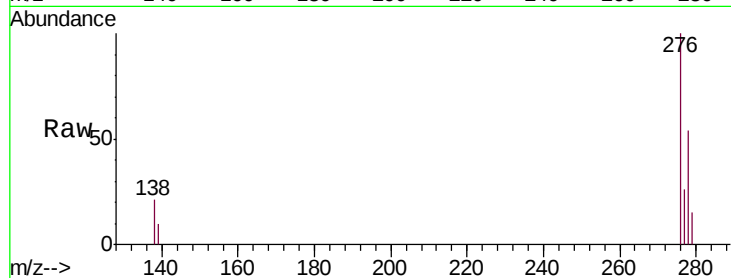
Tot Ion:276 Resp: 23414

Ion Ratio Lower Upper

276 100

138 20.4 15.1 22.7

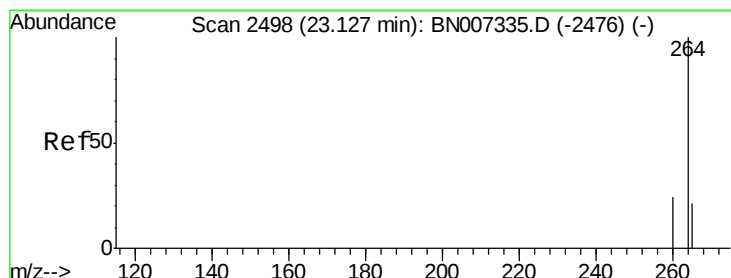
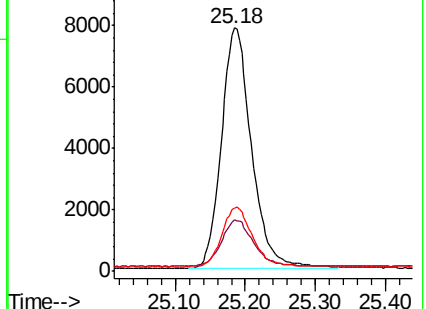
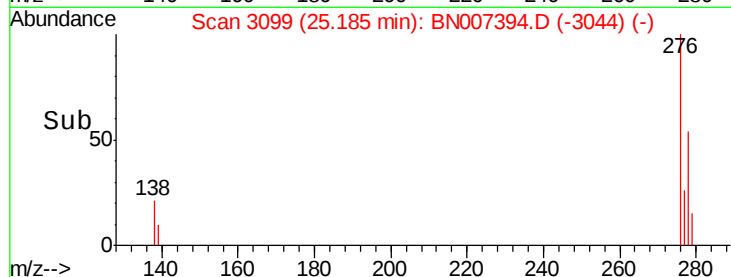
277 24.3 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.12 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

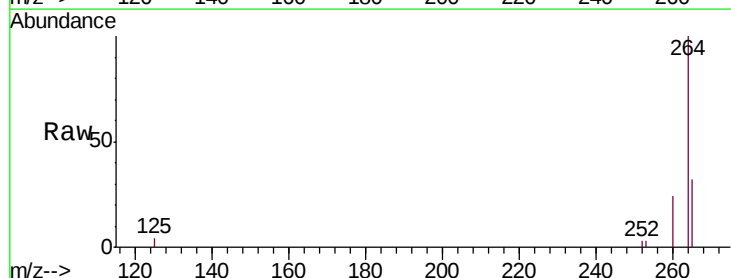
Tgt Ion:264 Resp: 27187

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

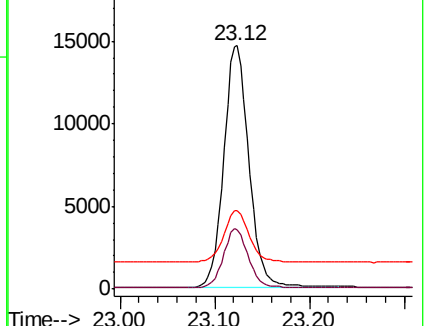
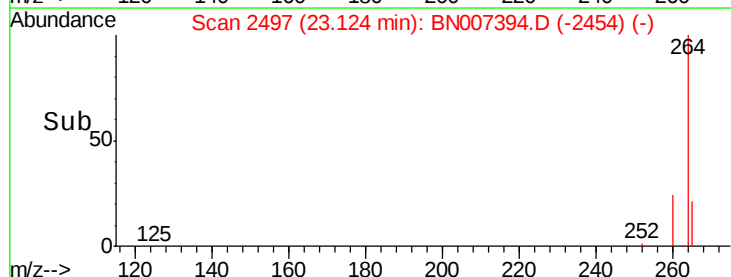
265 32.2 29.9 44.9



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

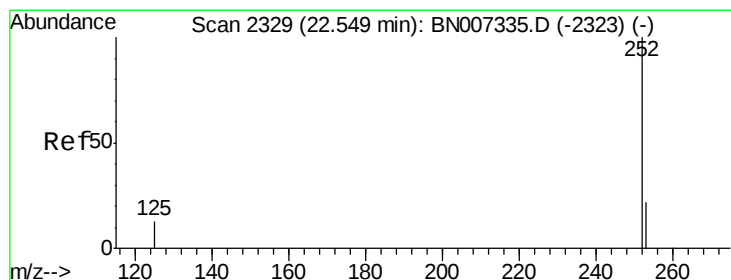
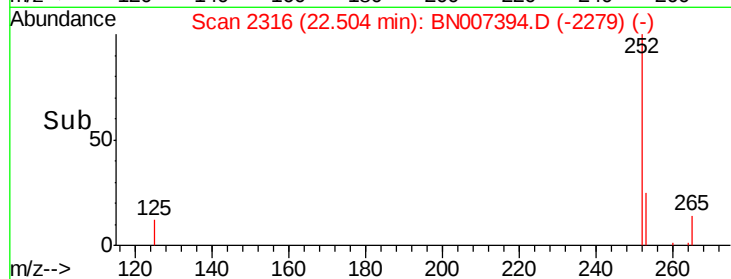
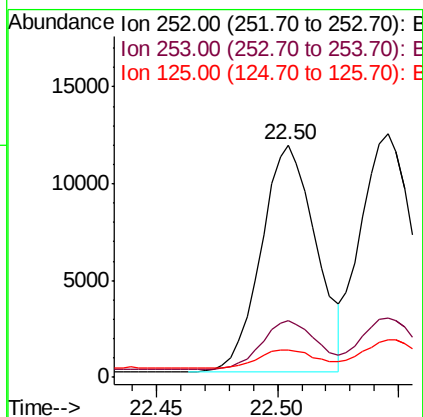
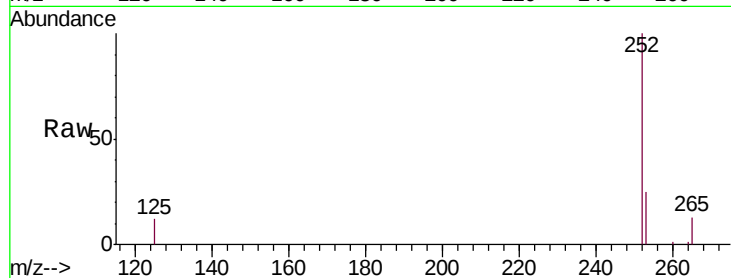




#35
Benzo(b)fluoranthene
Concen: 0.189 ng
RT: 22.50 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BN007394.D
Acq: 25 Aug 2019 14:15

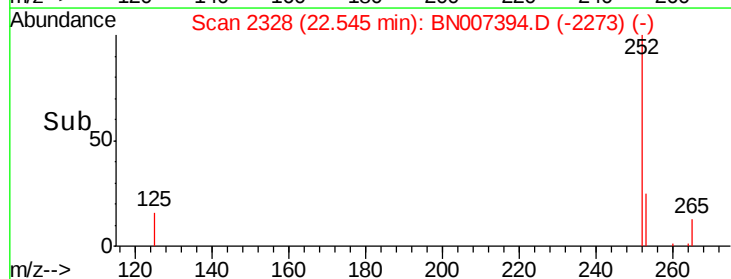
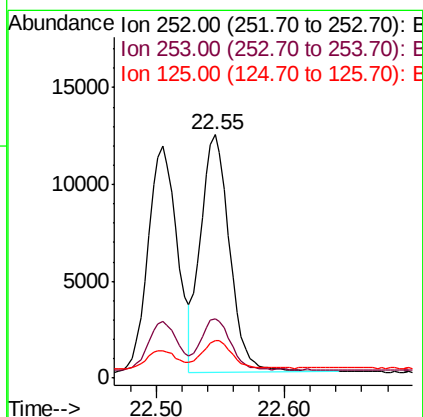
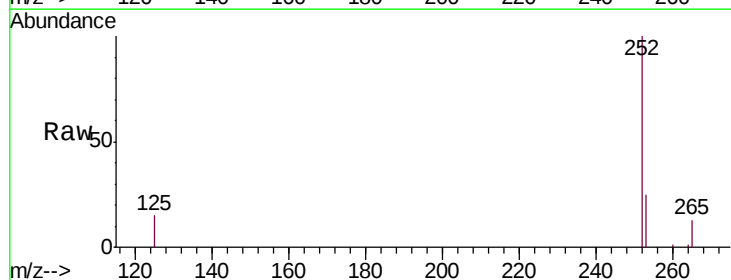
Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tot Ion:252 Resp: 18624
Ion Ratio Lower Upper
252 100
253 24.6 19.2 28.8
125 11.9 10.6 16.0



#36
Benzo(k)fluoranthene
Concen: 0.198 ng
RT: 22.55 min Scan# 2328
Delta R.T. -0.00 min
Lab File: BN007394.D
Acq: 25 Aug 2019 14:15

Tgt Ion:252 Resp: 19287
Ion Ratio Lower Upper
252 100
253 24.6 19.4 29.2
125 15.4 13.1 19.7





#37

Benzo(a)pyrene

Concen: 0.192 ng

RT: 23.03 min Scan# 2470

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

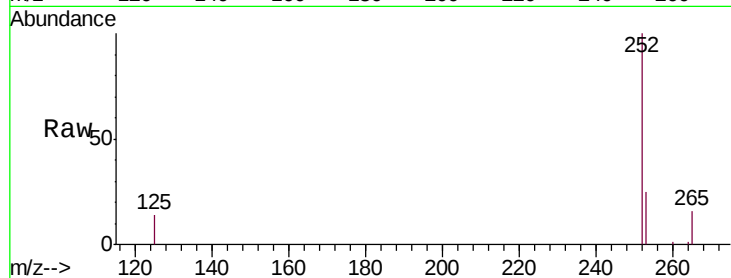
Tot Ion:252 Resp: 17965

Ion Ratio Lower Upper

252 100

253 25.0 19.5 29.3

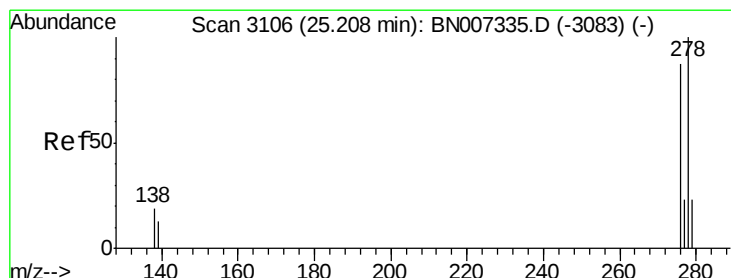
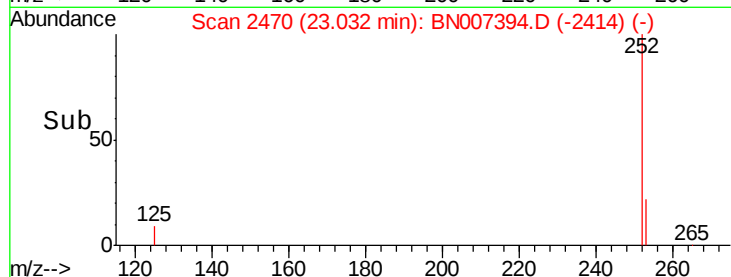
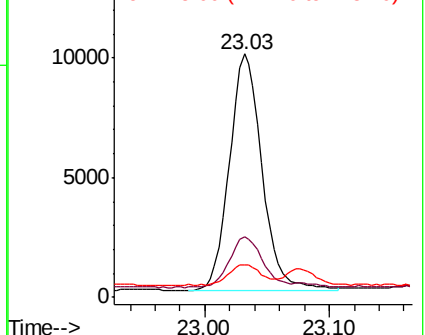
125 13.5 12.1 18.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.206 ng

RT: 25.20 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

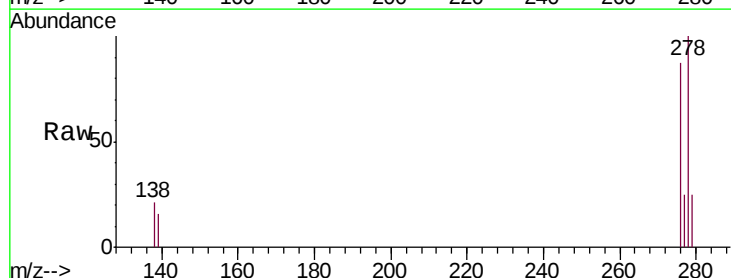
Tgt Ion:278 Resp: 19304

Ion Ratio Lower Upper

278 100

139 15.6 13.7 20.5

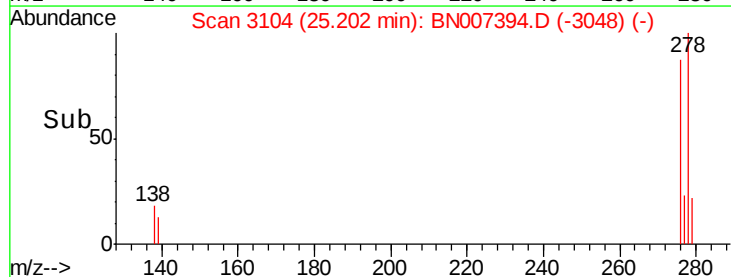
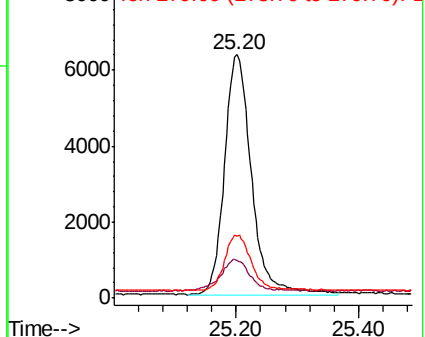
279 25.3 20.2 30.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.208 ng

RT: 25.81 min Scan# 3281

Delta R.T. -0.01 min

Lab File: BN007394.D

Acq: 25 Aug 2019 14:15

Instrument :

BNA_N

ClientSampleId :

PB122289BS

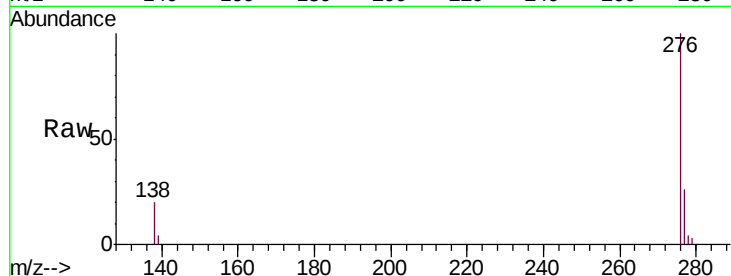
Tot Ion: 276 Resp: 19346

Ion Ratio Lower Upper

276 100

277 25.7 19.6 29.4

138 19.6 16.3 24.5



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

