

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022020\
 Data File : BN009799.D
 Acq On : 21 Feb 2020 03:22
 Operator : CG/JU
 Sample : L1482-04MS 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 21 04:23:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 19 15:57:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	1673	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5951	0.40	ng	-0.03
13) Acenaphthene-d10	14.04	164	3602	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	7391	0.40	ng	-0.03
27) Chrysene-d12	21.01	240	8082	0.40	ng	-0.03
34) Perylene-d12	23.11	264	8040	0.40	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	313	0.08	ng	-0.02
5) Phenol-d6	6.63	99	377	0.08	ng	-0.02
8) Nitrobenzene-d5	8.57	82	379	0.08	ng	-0.03
11) 2-Methylnaphthalene-d10	11.75	152	936	0.08	ng	-0.03
14) 2,4,6-Tribromophenol	15.56	330	114	0.08	ng	-0.03
15) 2-Fluorobiphenyl	12.66	172	1151	0.08	ng	-0.03
25) Fluoranthene-d10	18.84	212	1387	0.05	ng	-0.02
29) Terphenyl-d14	19.45	244	4519	0.23	ng	-0.02

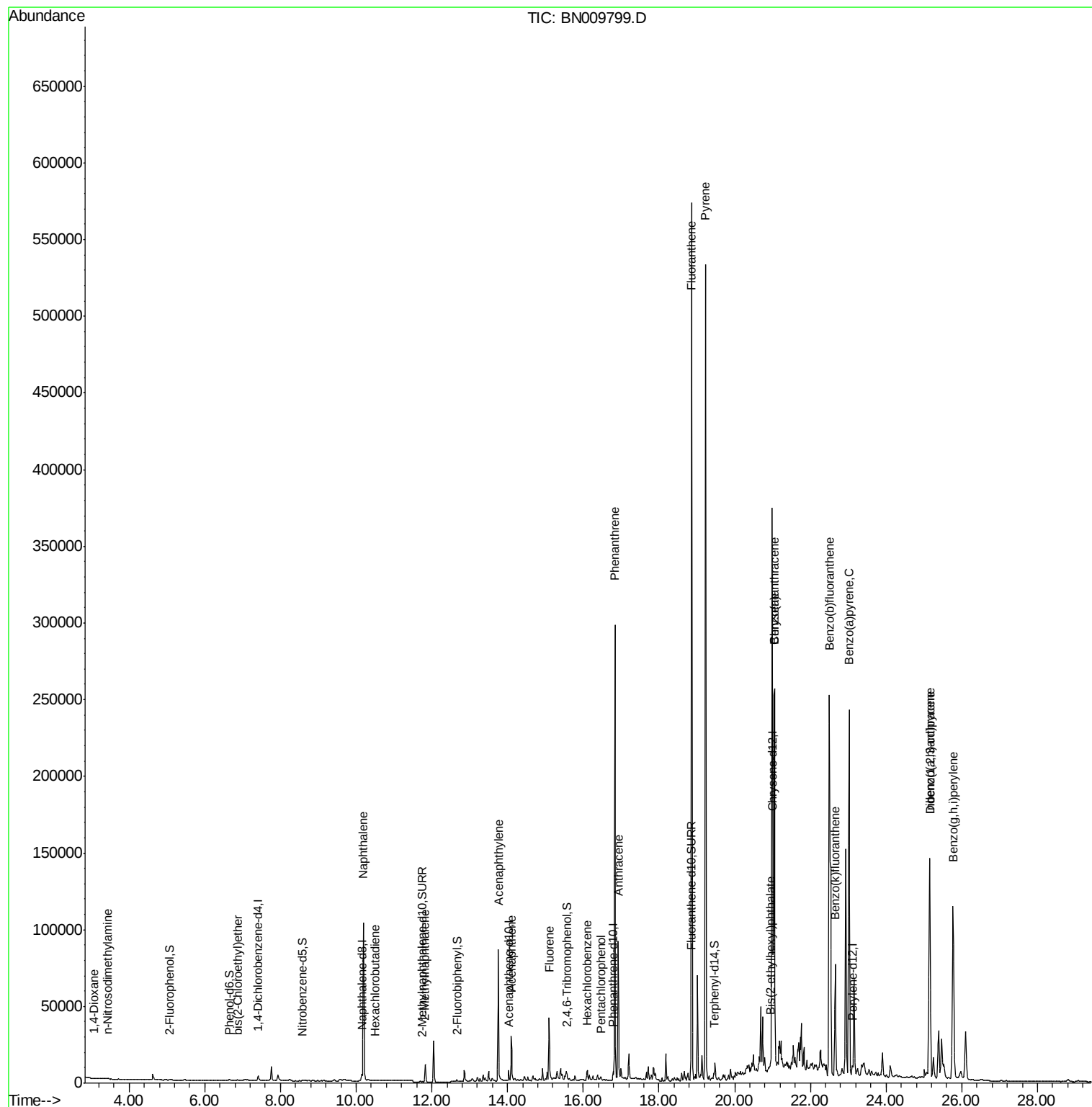
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	130	0.076	ng	# 62
3) n-Nitrosodimethylamine	3.43	42	181	0.064	ng	# 77
6) bis(2-Chloroethyl)ether	6.87	93	335	0.076	ng	91
9) Naphthalene	10.19	128	151014	9.304	ng	# 94
10) Hexachlorobutadiene	10.49	225	224	0.063	ng	# 100
12) 2-Methylnaphthalene	11.82	142	9384	0.843	ng	98
16) Acenaphthylene	13.75	152	101438	6.606	ng	100
17) Acenaphthene	14.10	154	14975	1.387	ng	98
18) Fluorene	15.10	166	27292	1.915	ng	95
20) 4-Bromophenyl-phenylether	16.01	248	179	Below Cal		# 45
21) Hexachlorobenzene	16.11	284	325	0.071	ng	92
22) Pentachlorophenol	16.47	266	245	0.337	ng	96
23) Phenanthrene	16.83	178	289016	13.139	ng	99
24) Anthracene	16.93	178	92665	4.984	ng	99
26) Fluoranthene	18.87	202	512764	19.469	ng	99
28) Pyrene	19.23	202	470026	15.316	ng	98
30) Benzo(a)anthracene	21.05	228	248676	9.272	ng	97
31) Chrysene	21.05	228	247922	7.990	ng	96
32) Bis(2-ethylhexyl)phthalate	20.95	149	1541	0.118	ng	# 93
33) Indeno(1,2,3-cd)pyrene	25.15	276	202759	6.275	ng	99
35) Benzo(b)fluoranthene	22.50	252	382549	13.015	ng	# 86
36) Benzo(k)fluoranthene	22.66	252	93389	2.918	ng	97
37) Benzo(a)pyrene	23.02	252	302609	11.283	ng	# 81
38) Dibenzo(a,h)anthracene	25.15	278	58033	2.198	ng	97
39) Benzo(g,h,i)perylene	25.77	276	205480	7.305	ng	96

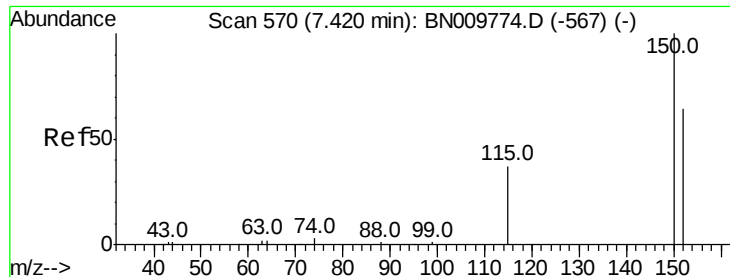
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.41 min Scan# 569

Delta R.T. -0.01 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

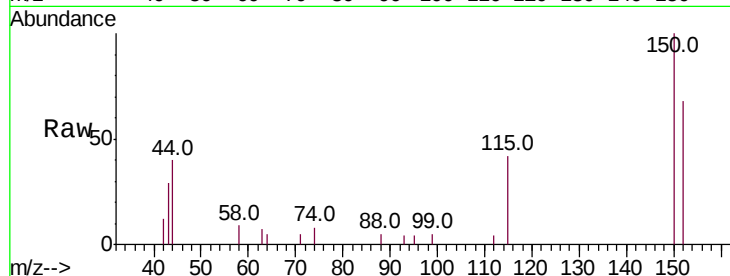
Tot Ion:152 Resp: 1673

Ion Ratio Lower Upper

152 100

150 146.8 120.6 181.0

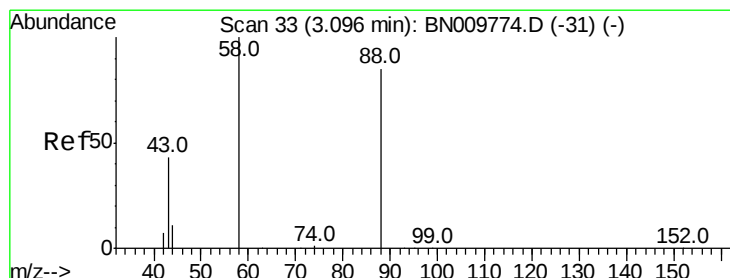
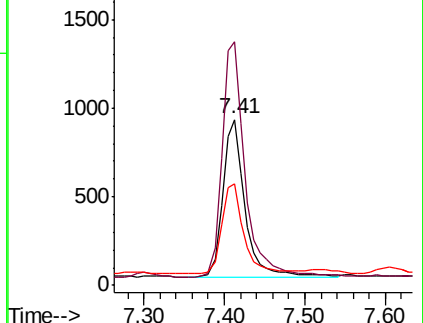
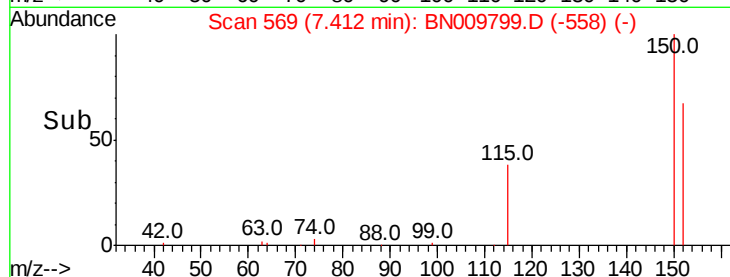
115 61.5 51.2 76.8



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: 0.076 ng

RT: 3.09 min Scan# 32

Delta R.T. -0.01 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

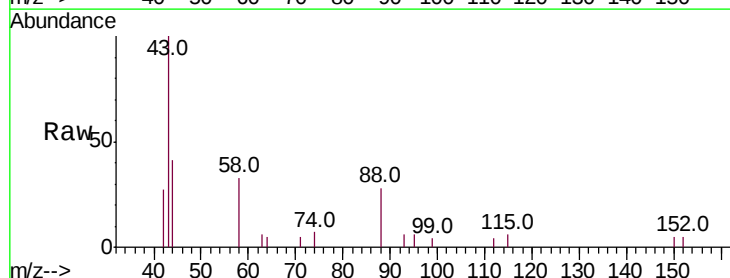
Tgt Ion: 88 Resp: 130

Ion Ratio Lower Upper

88 100

58 98.5 97.8 146.8

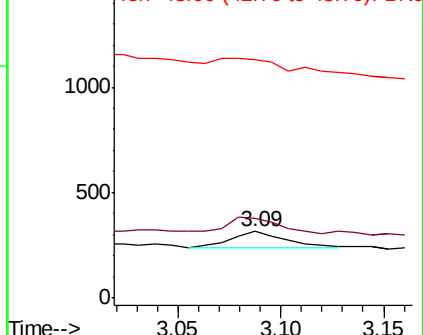
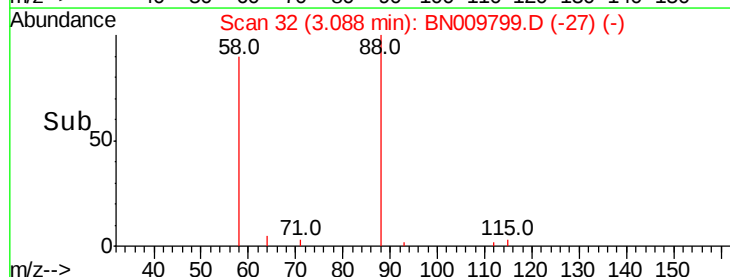
43 110.0 45.1 67.7#

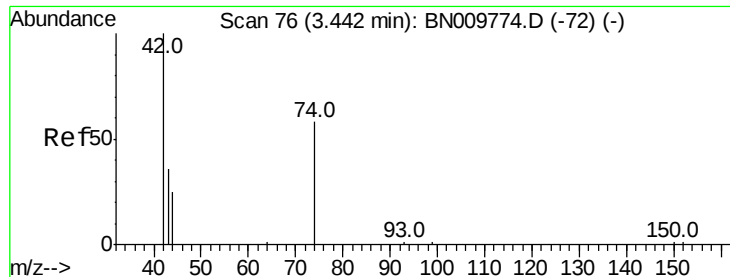


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.064 ng

RT: 3.43 min Scan# 74

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampled :

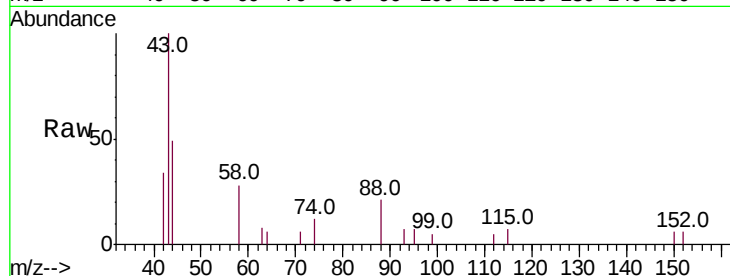
Tot Ion: 42 Resp: 181

Ion Ratio Lower Upper

42 100

74 79.6 51.2 76.8#

44 33.1 2.6 4.0#

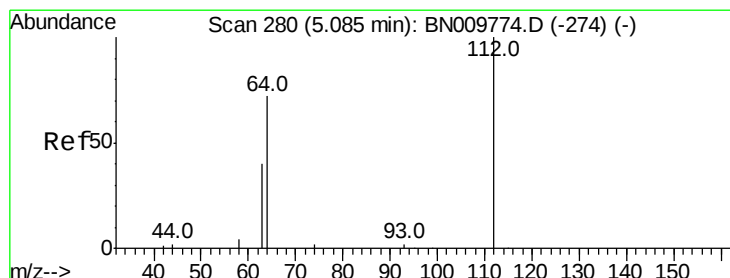
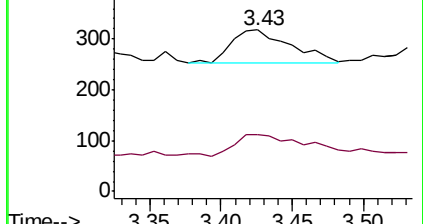
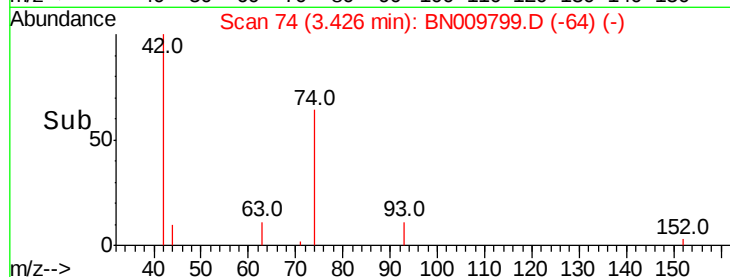


Abundance Ion 42.00 (41.70 to 42.70): BN009774.D (-72) (-)

Ion 74.00 (73.70 to 74.70): BN009774.D (-72) (-)

Ion 44.00 (43.70 to 44.70): BN009774.D (-72) (-)

Time-->



#4

2-Fluorophenol

Concen: 0.084 ng

RT: 5.07 min Scan# 278

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

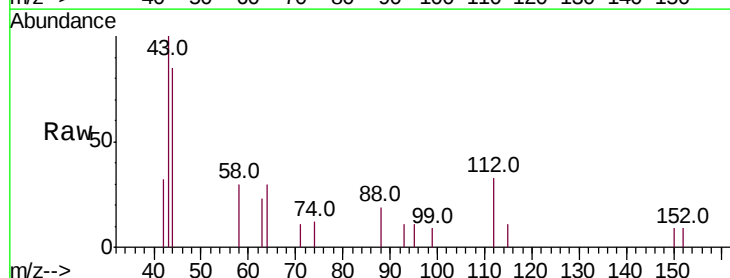
Tgt Ion: 112 Resp: 313

Ion Ratio Lower Upper

112 100

64 92.0 65.8 98.6

63 34.8 38.7 58.1#

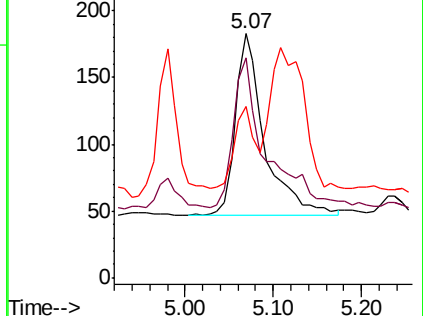
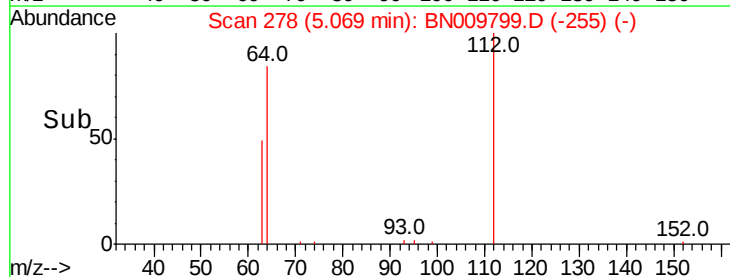


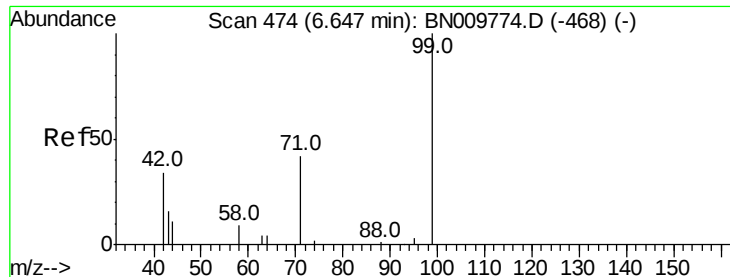
Abundance Ion 112.00 (111.70 to 112.70): BN009774.D (-274) (-)

Ion 64.00 (63.70 to 64.70): BN009774.D (-274) (-)

Ion 63.00 (62.70 to 63.70): BN009774.D (-274) (-)

Time-->





#5

Phenol-d6

Concen: 0.083 ng

RT: 6.63 min Scan# 472

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampled :

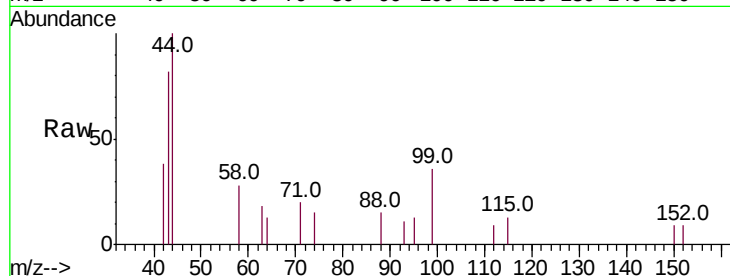
Tot Ion: 99 Resp: 377

Ion Ratio Lower Upper

99 100

42 26.0 30.8 46.2#

71 45.6 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN009774.D (-468) (-)

Ion 42.00 (41.70 to 42.70): BN009774.D (-468) (-)

Ion 71.00 (70.70 to 71.70): BN009774.D (-468) (-)

6.63

250

200

150

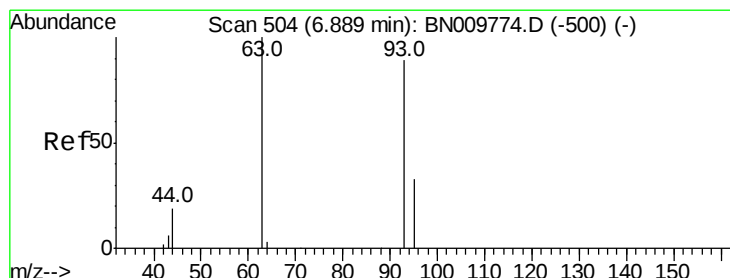
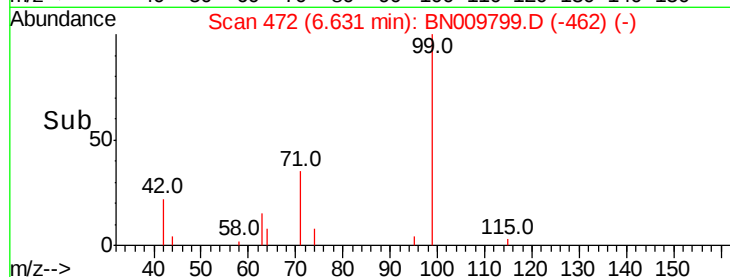
100

50

0

6.50 6.60 6.70 6.80

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.076 ng

RT: 6.87 min Scan# 502

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

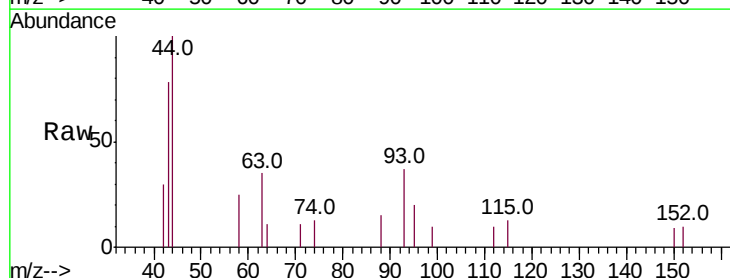
Tgt Ion: 93 Resp: 335

Ion Ratio Lower Upper

93 100

63 82.4 74.0 111.0

95 36.4 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN009774.D (-500) (-)

Ion 63.00 (62.70 to 63.70): BN009774.D (-500) (-)

Ion 95.00 (94.70 to 95.70): BN009774.D (-500) (-)

6.87

250

200

150

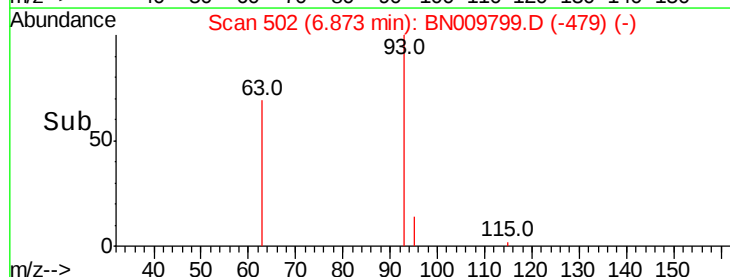
100

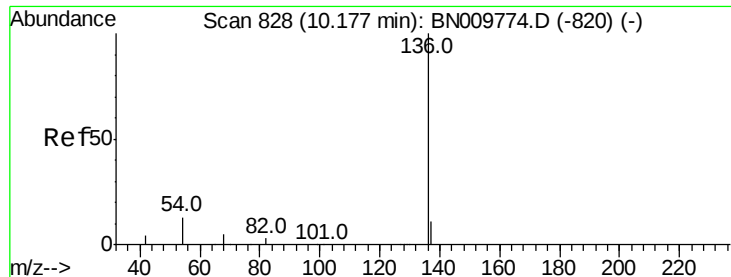
50

0

6.80 6.90 7.00

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 5951

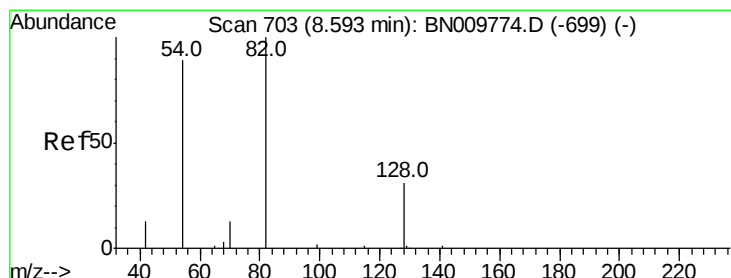
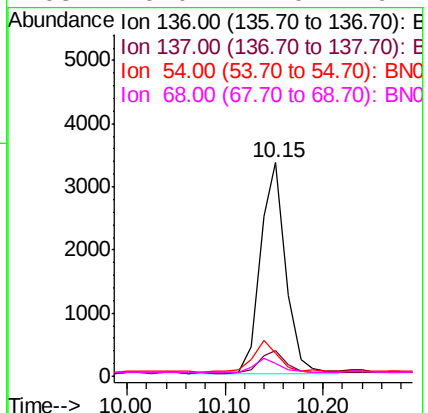
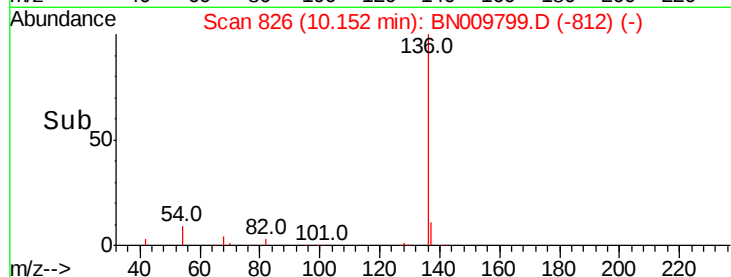
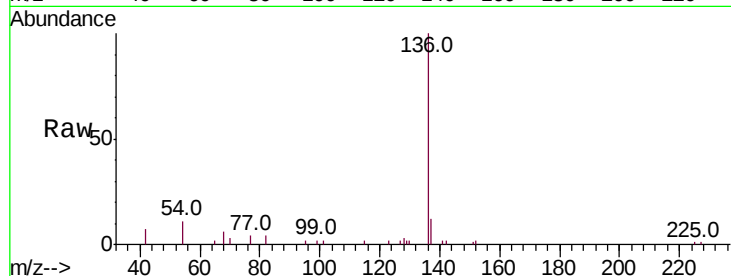
Ion Ratio Lower Upper

136 100

137 12.2 11.3 16.9

54 10.9 13.4 20.2#

68 6.0 7.0 10.4#



#8

Nitrobenzene-d5

Concen: 0.077 ng

RT: 8.57 min Scan# 701

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

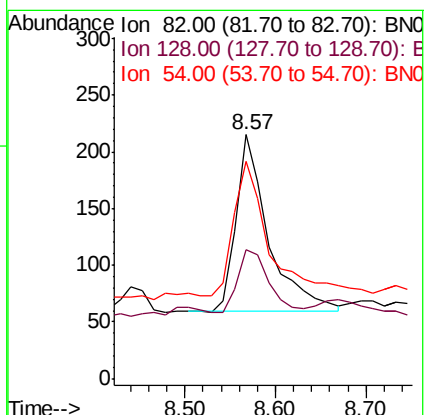
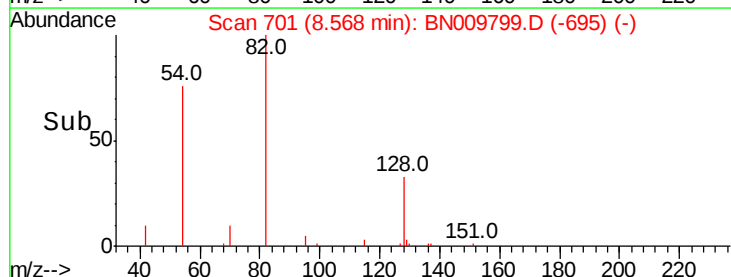
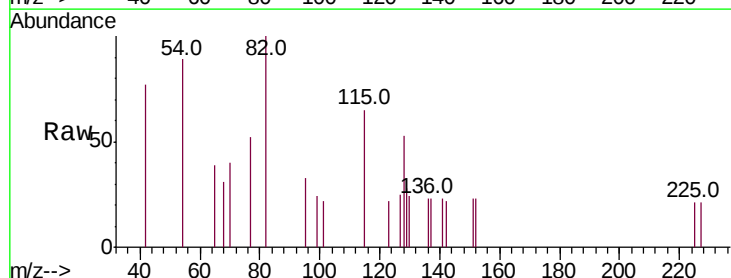
Tgt Ion: 82 Resp: 379

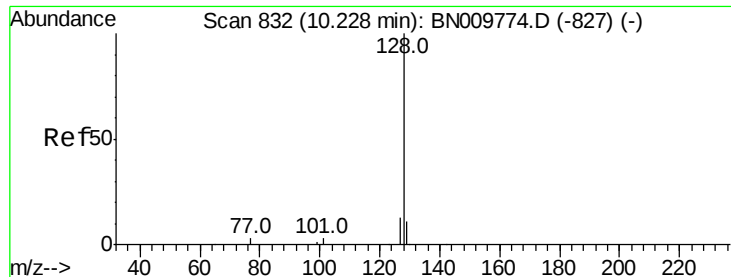
Ion Ratio Lower Upper

82 100

128 53.0 32.5 48.7#

54 89.3 73.5 110.3





#9

Naphthalene

Concen: 9.304 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.04 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

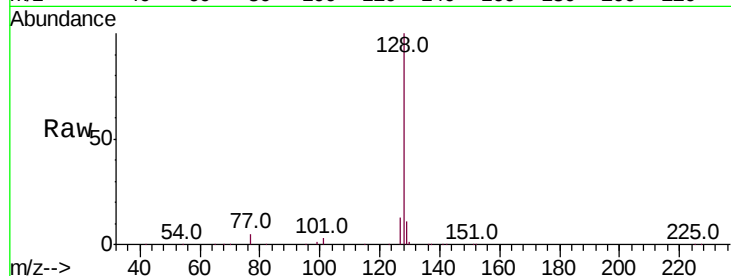
Tot Ion:128 Resp: 151014

Ion Ratio Lower Upper

128 100

129 11.0 11.1 16.7#

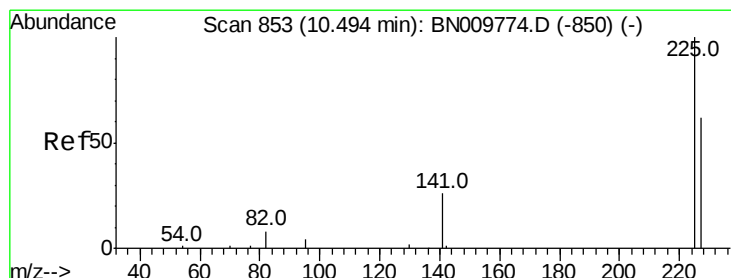
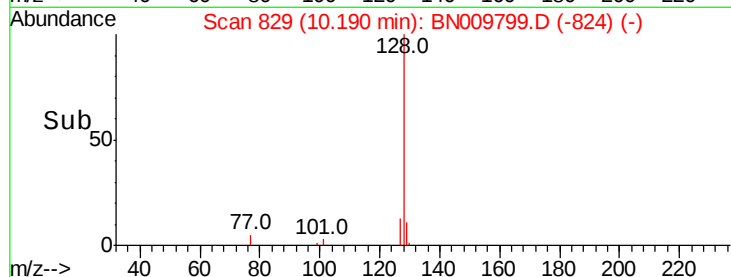
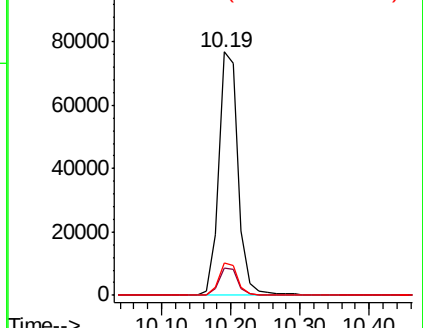
127 13.4 12.6 19.0



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: 0.063 ng

RT: 10.49 min Scan# 853

Delta R.T. 0.00 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

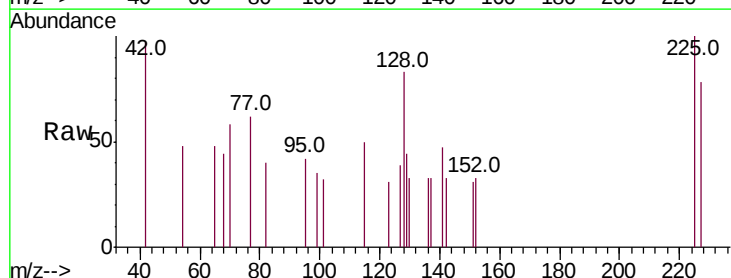
Tgt Ion:225 Resp: 224

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

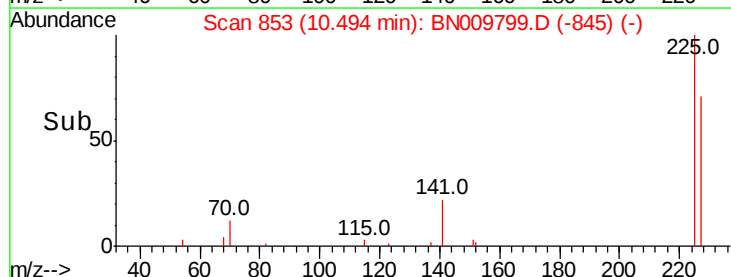
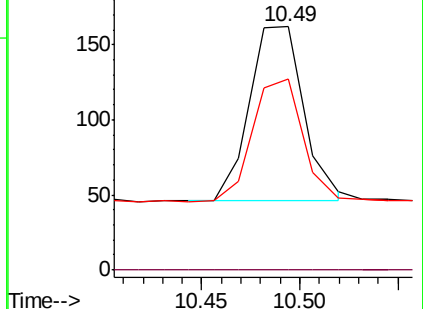
227 67.0 53.4 80.2

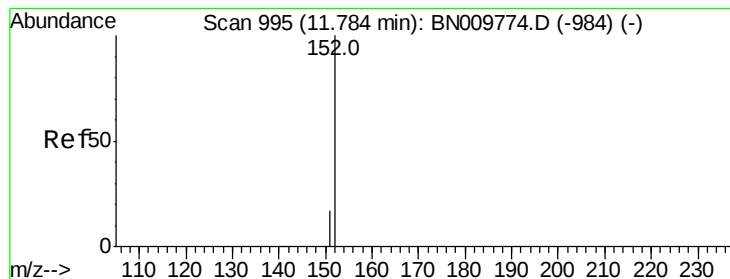


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.081 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

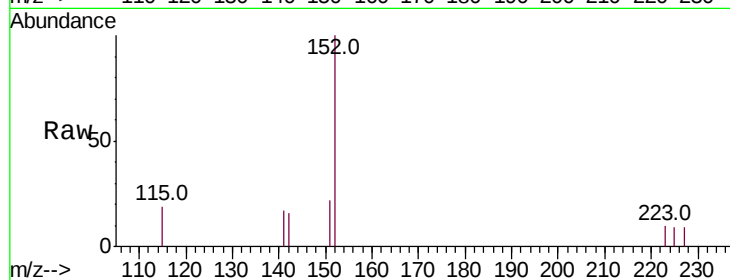
ClientSampleId :

Tot Ion:152 Resp: 936

Ion Ratio Lower Upper

152 100

151 14.3 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.75

600

500

400

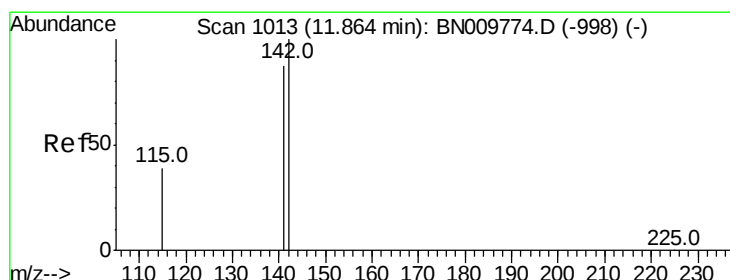
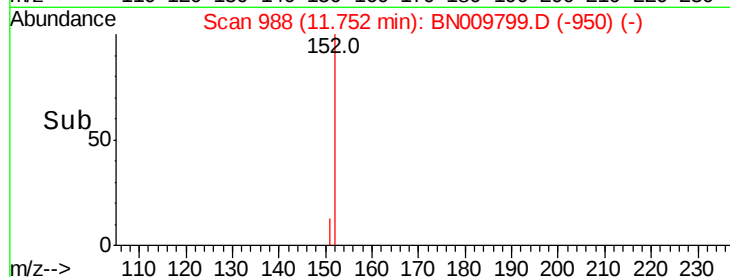
300

200

100

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.843 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

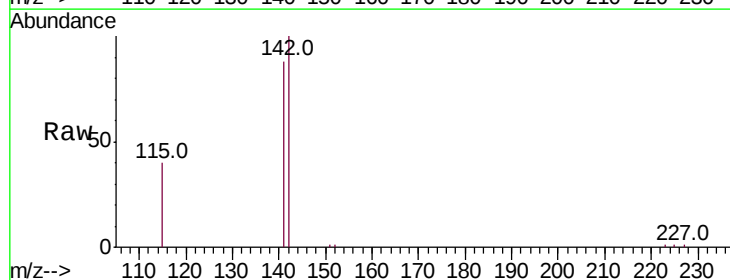
Tgt Ion:142 Resp: 9384

Ion Ratio Lower Upper

142 100

141 88.2 69.8 104.6

115 39.9 34.6 52.0



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

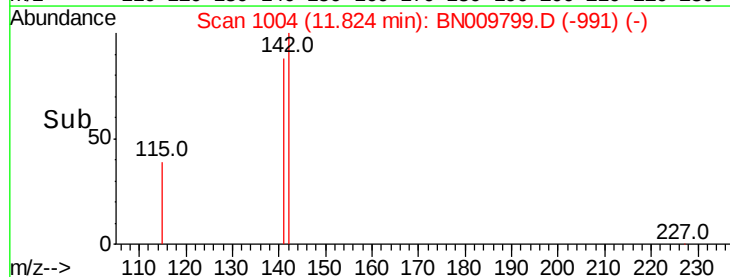
15000

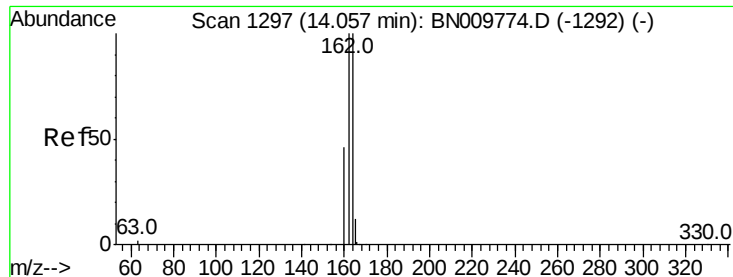
10000

5000

0

Time--> 11.70 11.80 11.90 12.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

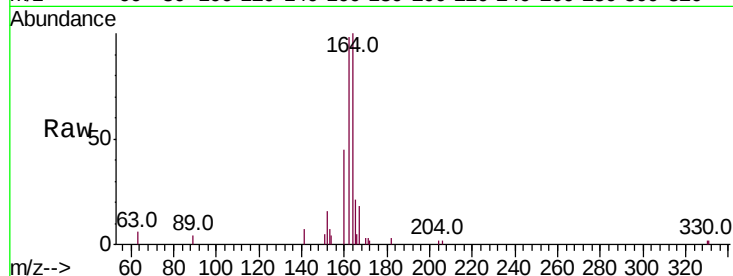
Tot Ion:164 Resp: 3602

Ion Ratio Lower Upper

164 100

162 98.3 79.9 119.9

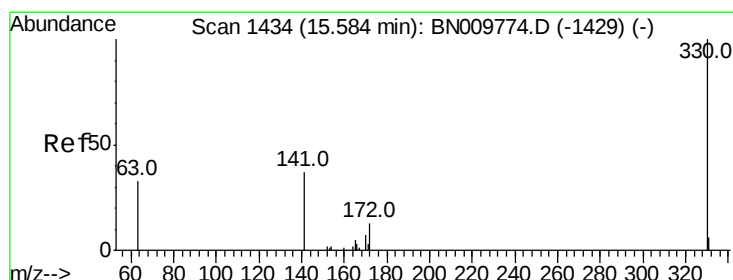
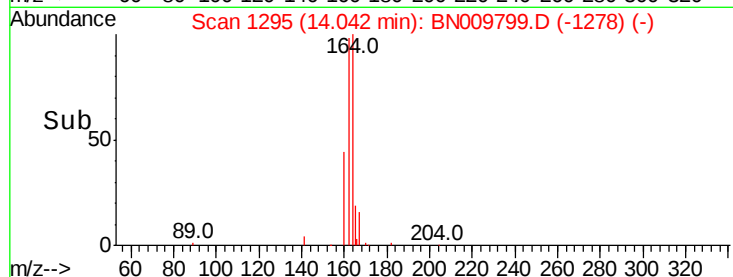
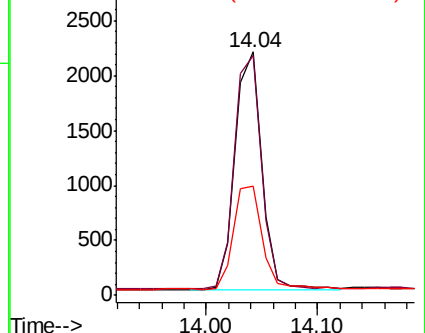
160 45.0 38.2 57.2



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: 0.082 ng

RT: 15.56 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

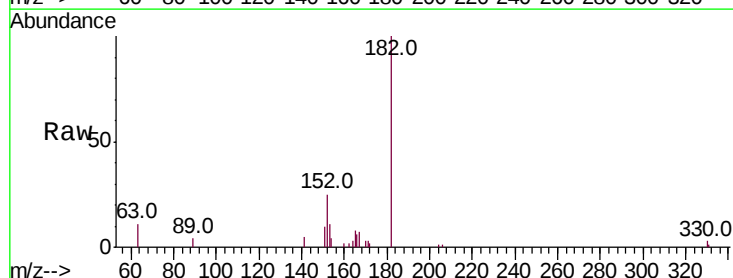
Tgt Ion:330 Resp: 114

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

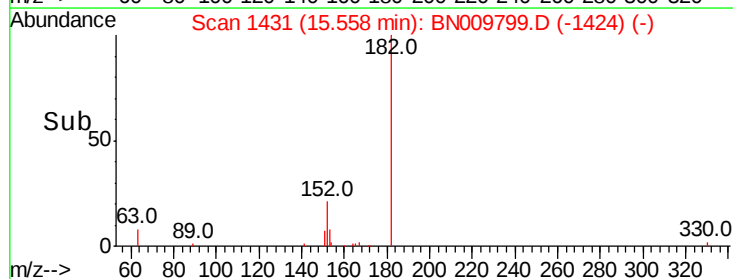
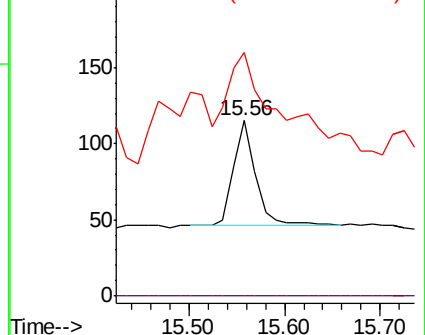
141 228.9 36.8 55.2#

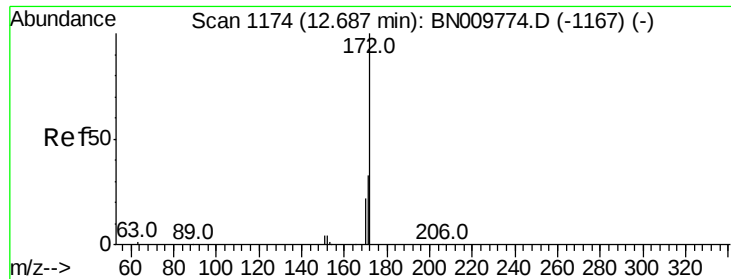


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

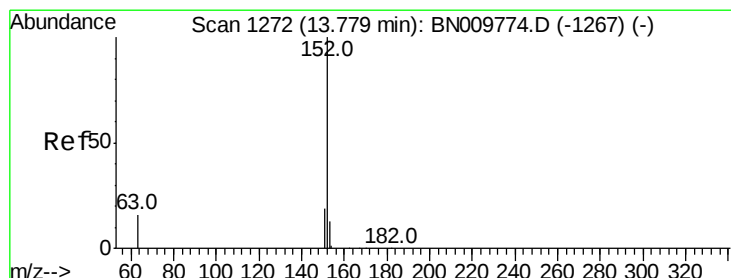
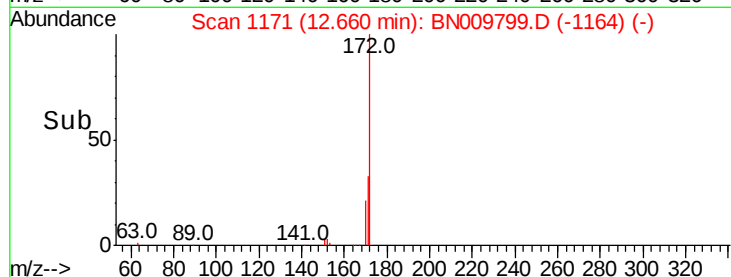
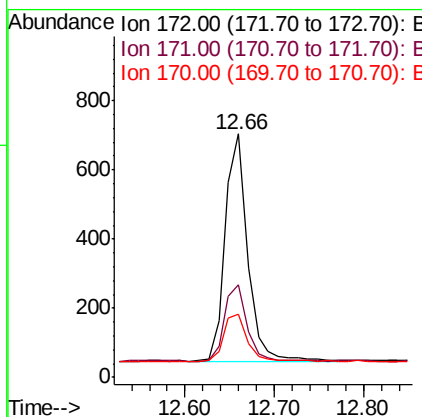
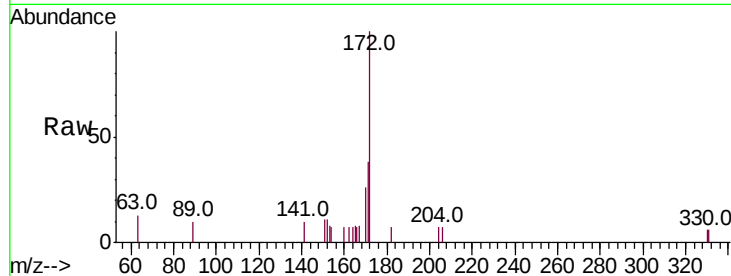




#15
2-Fluorobiphenyl
Concen: 0.085 ng
RT: 12.66 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BN009799.D
Acq: 21 Feb 2020 03:22

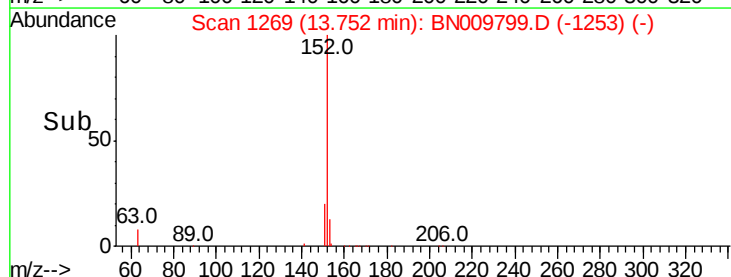
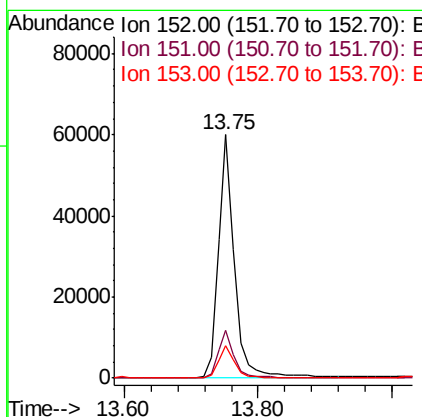
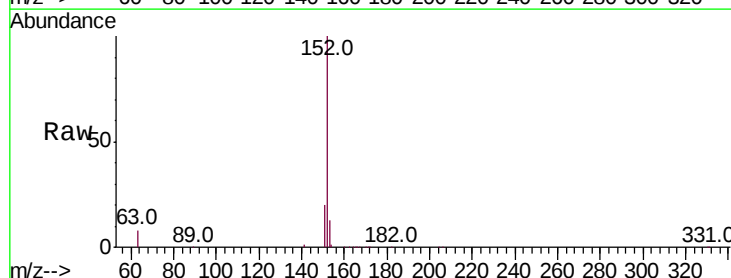
Instrument :
BNA_N
ClientSampleId :

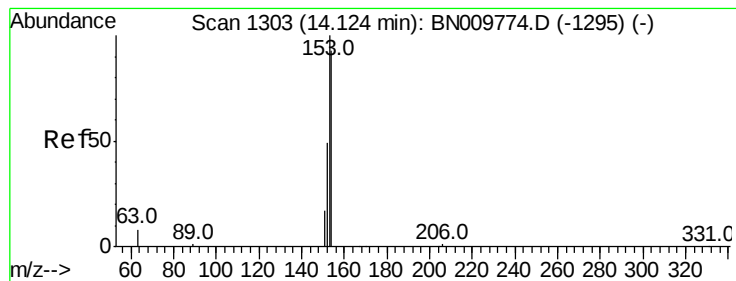
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	28.7	43.1
170	26.0	20.1	30.1



#16
Acenaphthylene
Concen: 6.606 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BN009799.D
Acq: 21 Feb 2020 03:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.2	10.2	15.4





#17

Acenaphthene

Concen: 1.387 ng

RT: 14.10 min Scan# 1300

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampled :

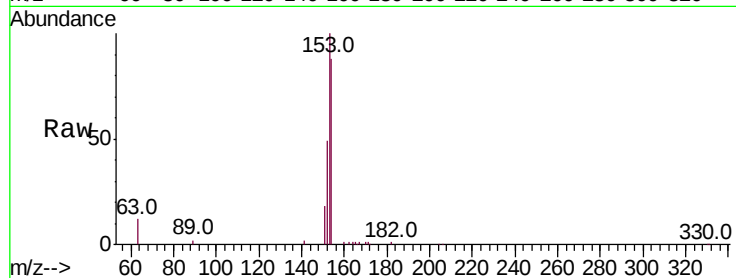
Tot Ion:154 Resp: 14975

Ion Ratio Lower Upper

154 100

153 112.8 88.9 133.3

152 53.4 44.2 66.2

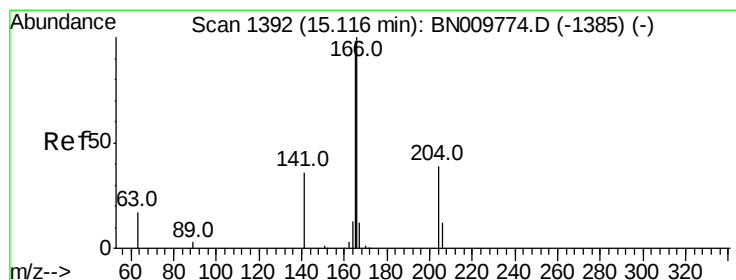
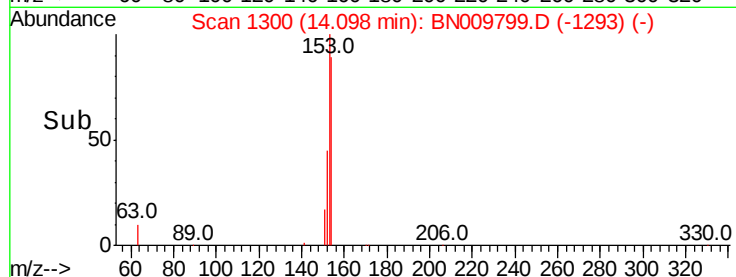
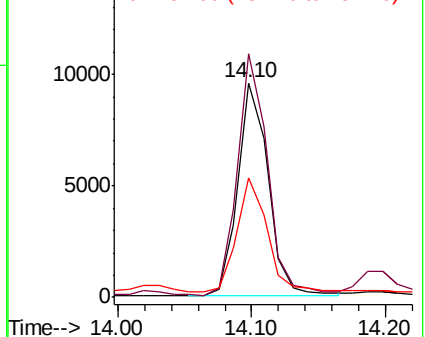


Abundance

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: 1.915 ng

RT: 15.10 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

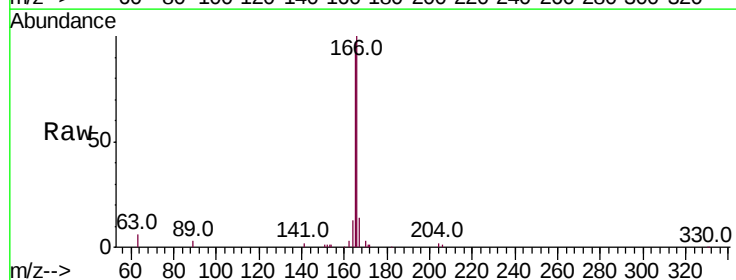
Tgt Ion:166 Resp: 27292

Ion Ratio Lower Upper

166 100

165 101.5 77.2 115.8

167 14.9 10.5 15.7

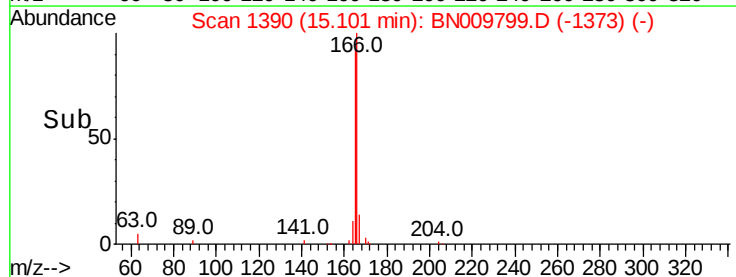
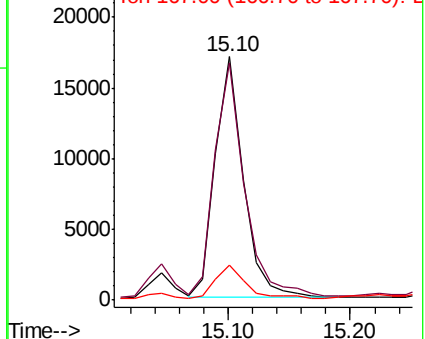


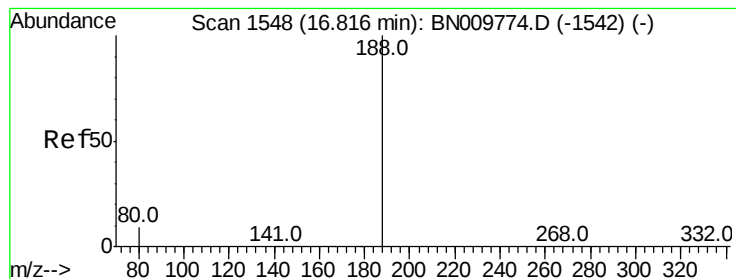
Abundance

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: 16.79 min Scan# 1545

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

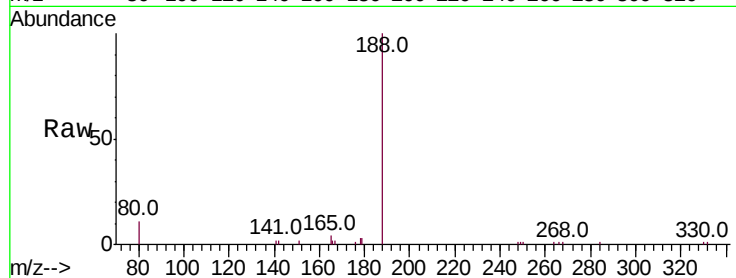
Tot Ion:188 Resp: 7391

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

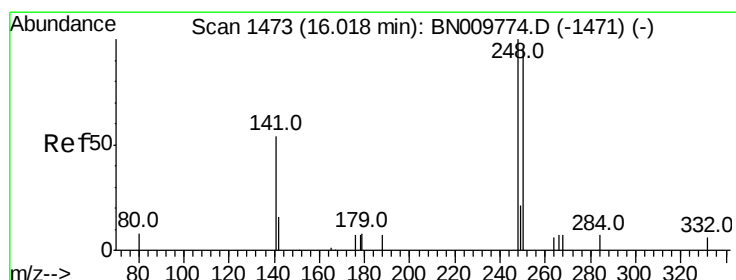
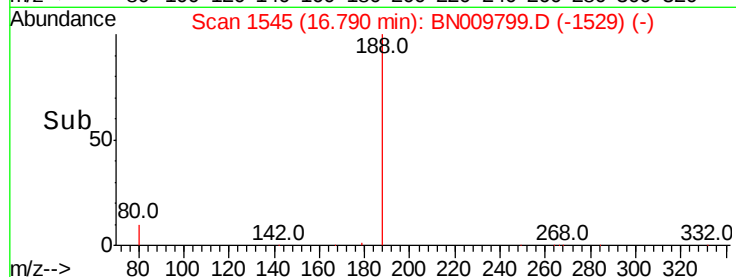
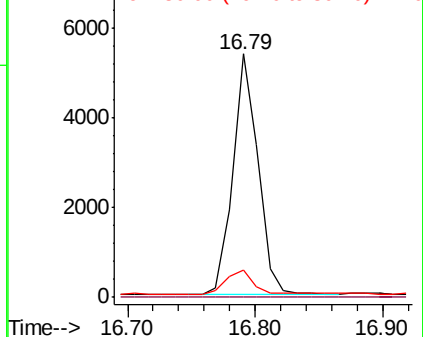
80 11.2 8.3 12.5



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: Below Cal

RT: 16.01 min Scan# 1472

Delta R.T. -0.00 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

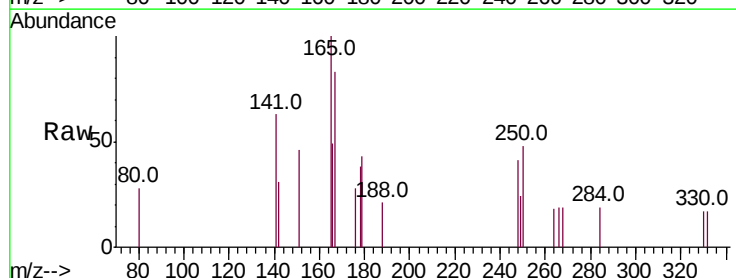
Tgt Ion:248 Resp: 179

Ion Ratio Lower Upper

248 100

250 116.4 76.2 114.4#

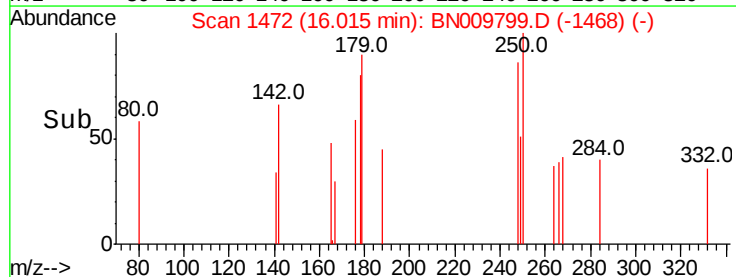
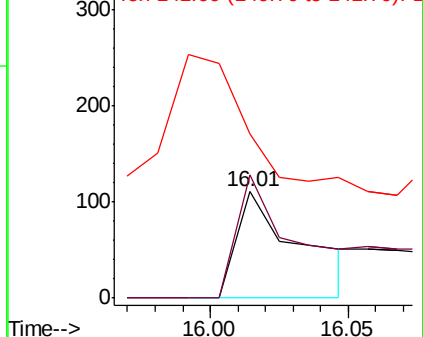
141 154.5 57.8 86.6#

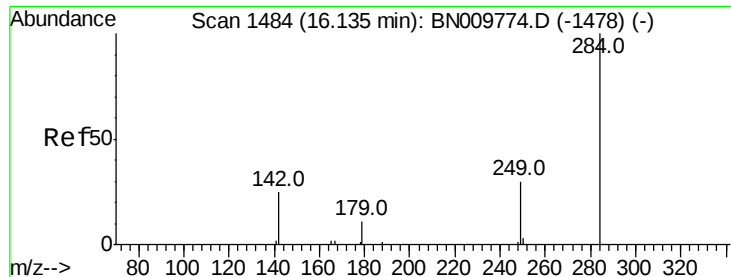


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.071 ng

RT: 16.11 min Scan# 1481

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

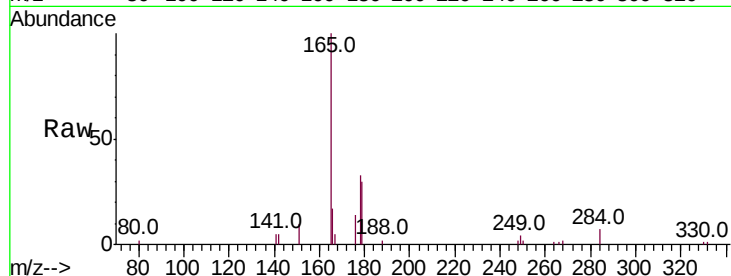
Tot Ion:284 Resp: 325

Ion Ratio Lower Upper

284 100

142 47.7 33.3 49.9

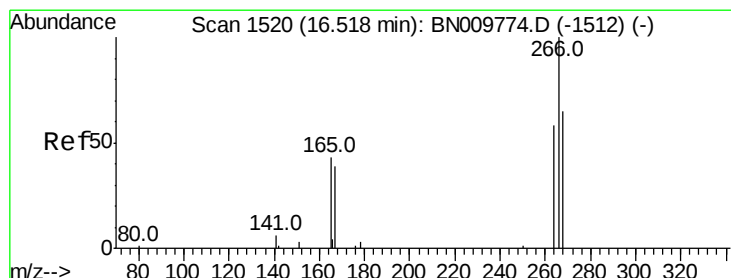
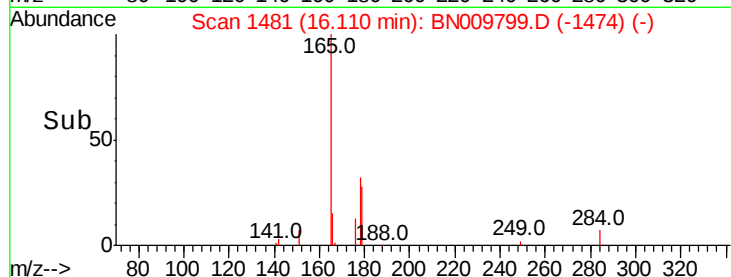
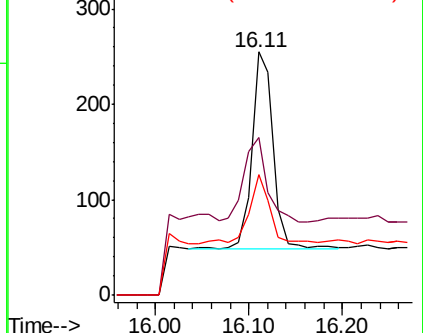
249 34.8 25.7 38.5



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: 0.337 ng

RT: 16.47 min Scan# 1515

Delta R.T. -0.05 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

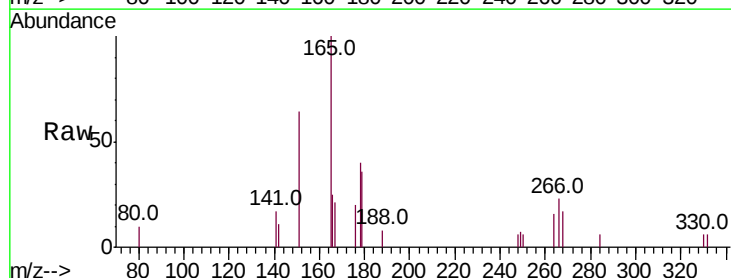
Tgt Ion:266 Resp: 245

Ion Ratio Lower Upper

266 100

264 71.1 58.1 87.1

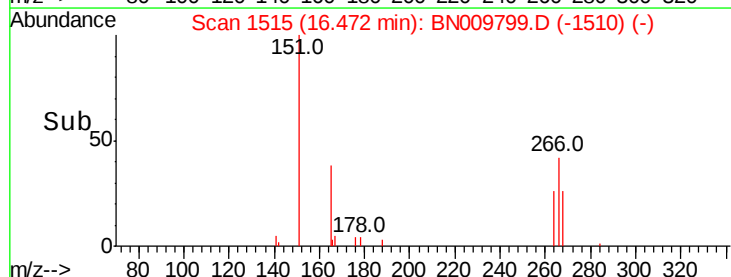
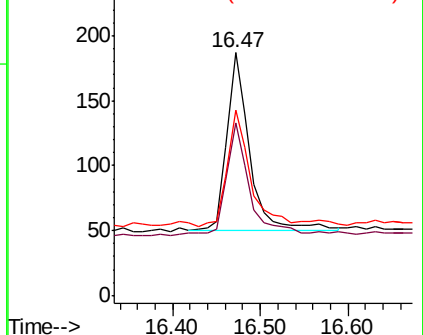
268 76.5 65.7 98.5

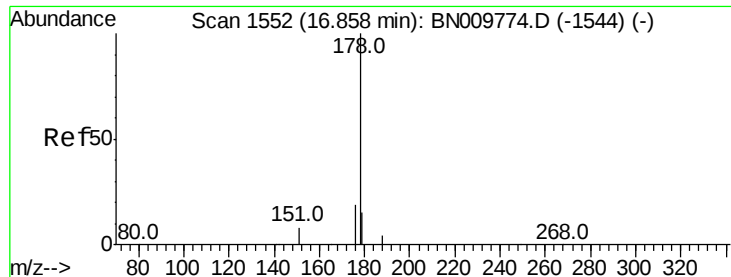


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 13.139 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampled :

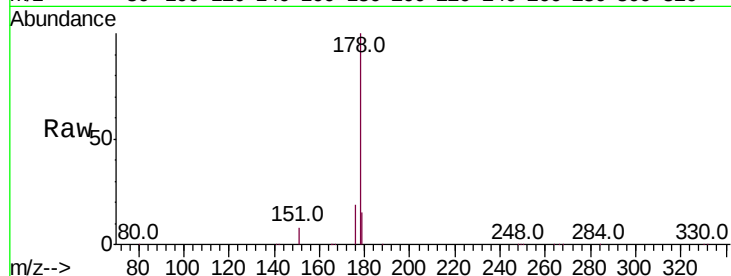
Tot Ion:178 Resp: 289016

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

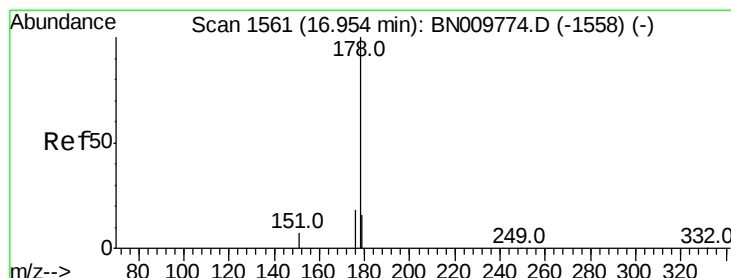
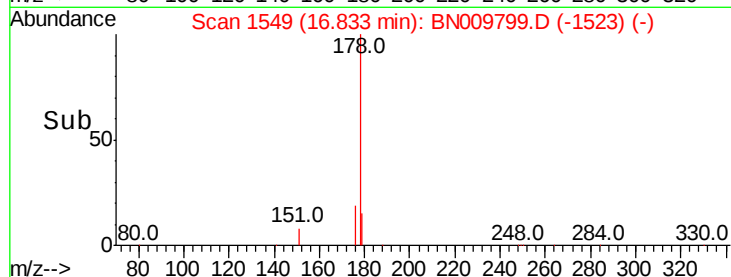
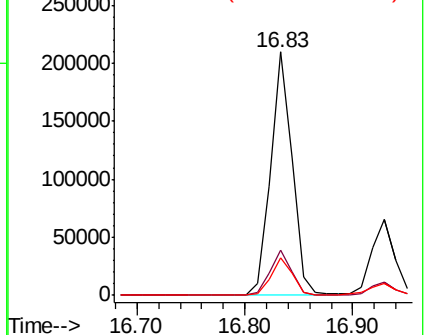
179 15.3 12.4 18.6



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



#24

Anthracene

Concen: 4.984 ng

RT: 16.93 min Scan# 1558

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

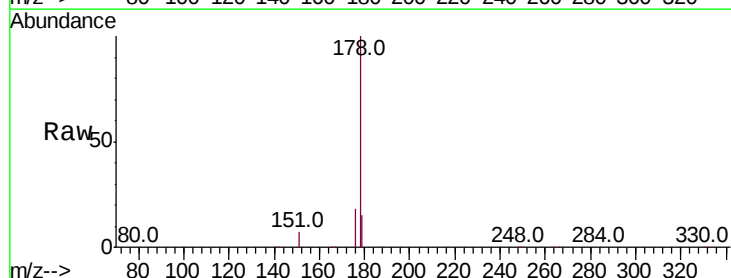
Tgt Ion:178 Resp: 92665

Ion Ratio Lower Upper

178 100

176 18.1 14.3 21.5

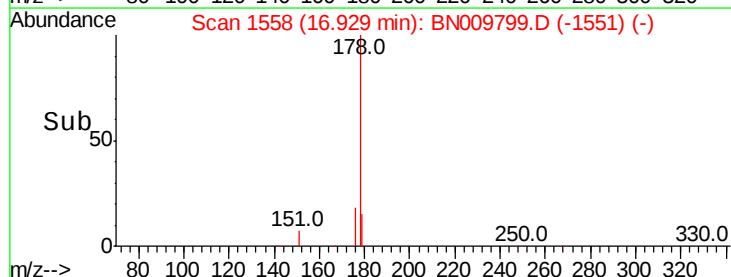
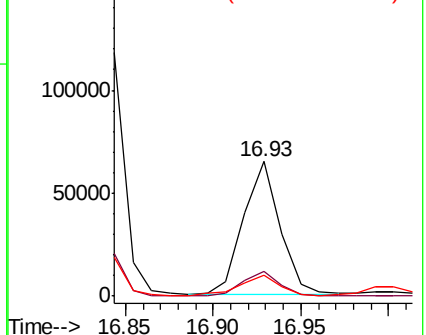
179 16.4 12.4 18.6

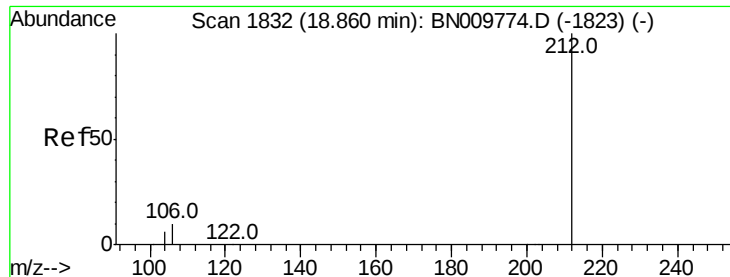


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.054 ng

RT: 18.84 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

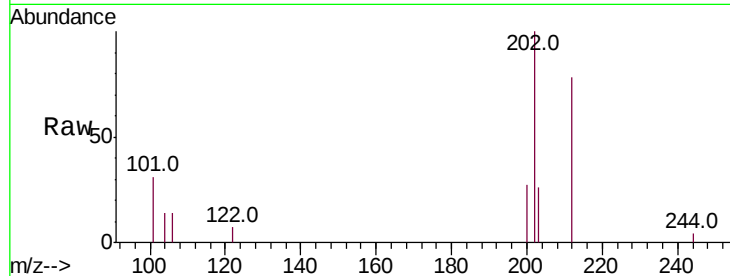
Tot Ion:212 Resp: 1387

Ion Ratio Lower Upper

212 100

106 12.8 8.4 12.6#

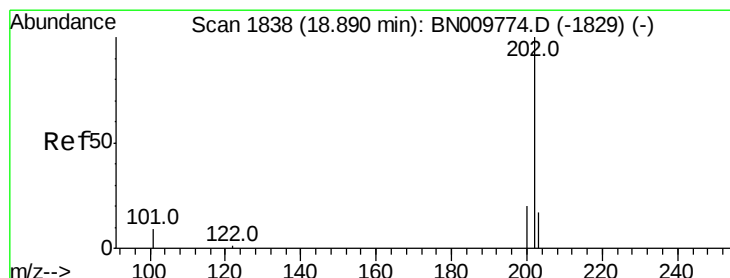
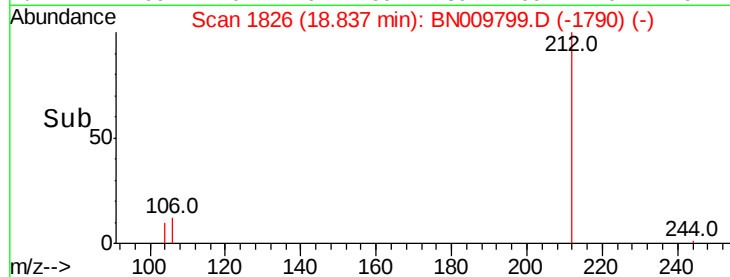
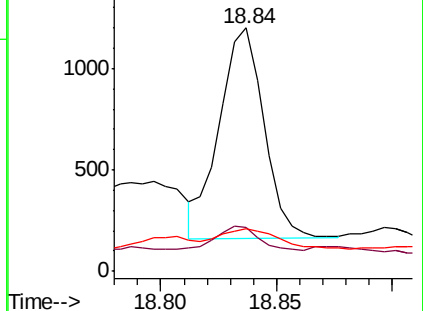
104 12.9 4.8 7.2#



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: 19.469 ng

RT: 18.87 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

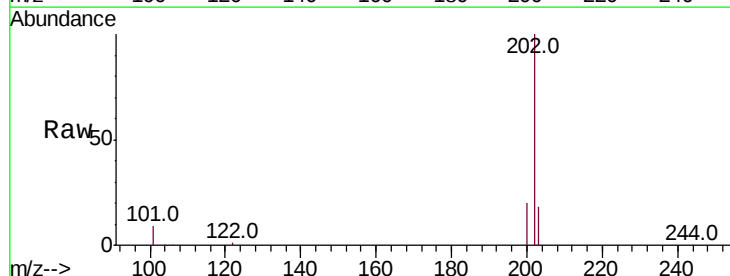
Tgt Ion:202 Resp: 512764

Ion Ratio Lower Upper

202 100

101 9.9 7.1 10.7

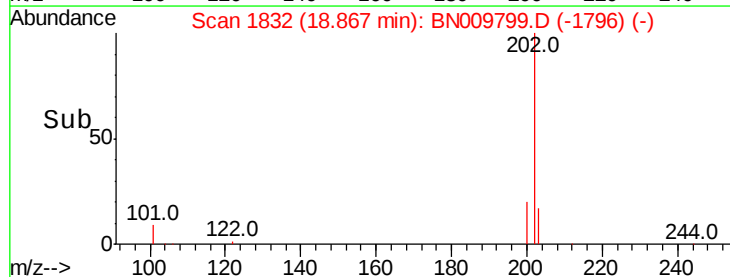
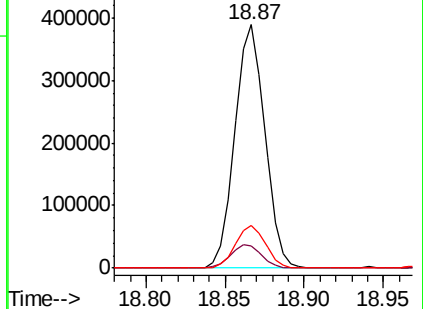
203 17.5 13.8 20.6

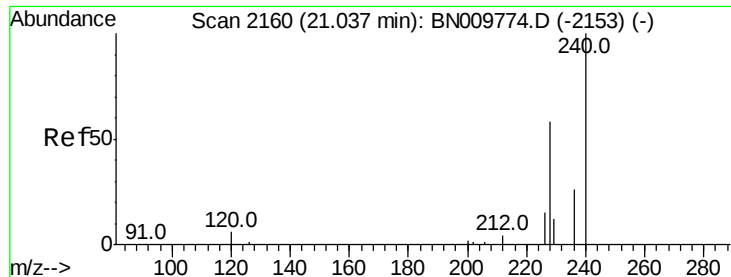


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.01 min Scan# 2156

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

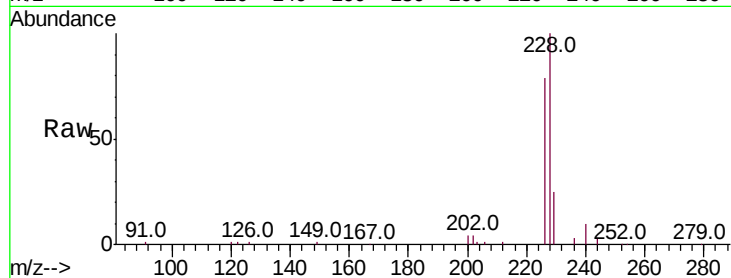
Tot Ion:240 Resp: 8082

Ion Ratio Lower Upper

240 100

120 13.7 7.9 11.9#

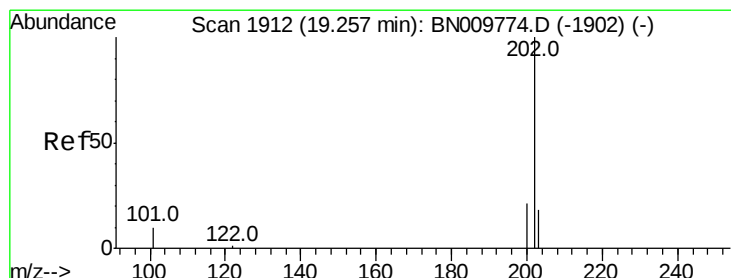
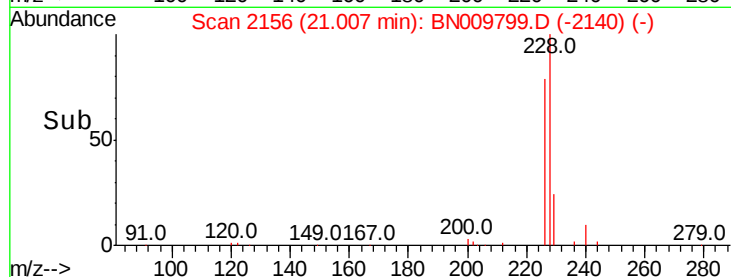
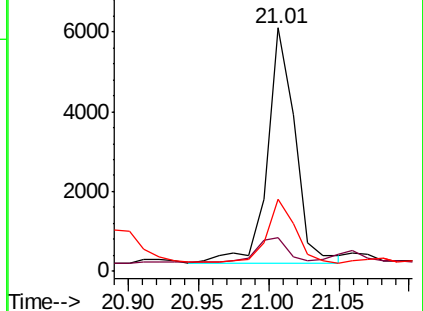
236 29.9 22.0 33.0



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

Pyrene

Concen: 15.316 ng

RT: 19.23 min Scan# 1905

Delta R.T. -0.03 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

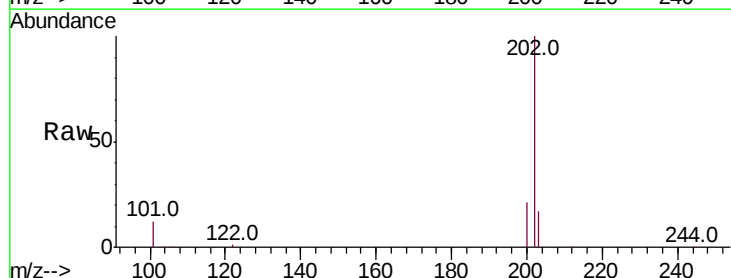
Tgt Ion:202 Resp: 470026

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

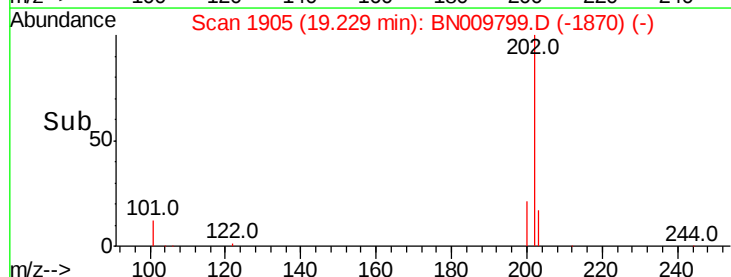
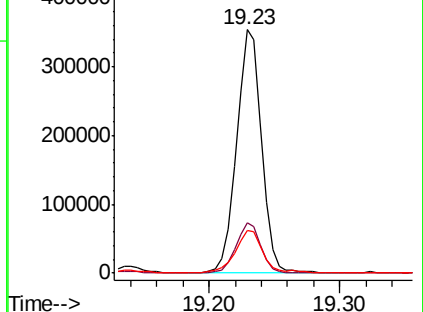
203 19.0 13.9 20.9

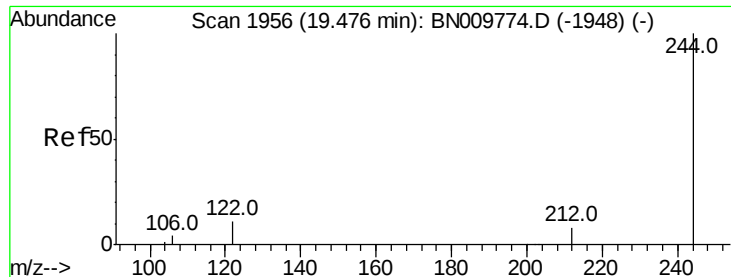


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.234 ng

RT: 19.45 min Scan# 1950

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

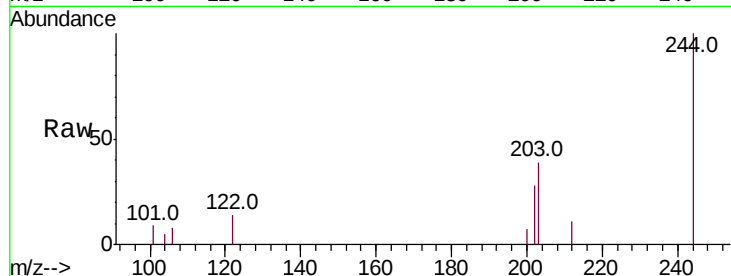
Tot Ion:244 Resp: 4519

Ion Ratio Lower Upper

244 100

212 11.0 8.0 12.0

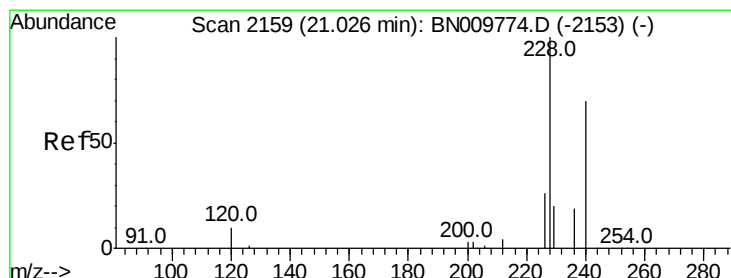
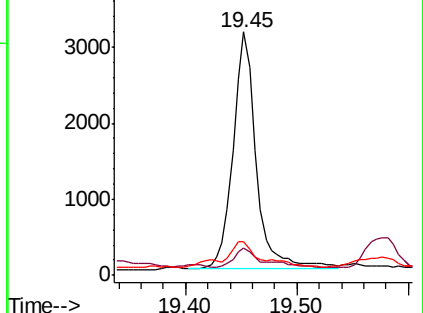
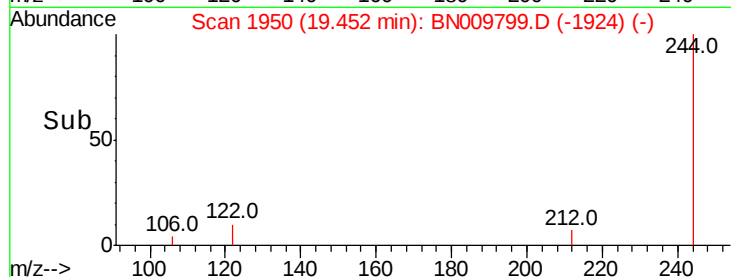
122 13.9 10.0 15.0



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: 9.272 ng

RT: 21.05 min Scan# 2160

Delta R.T. 0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

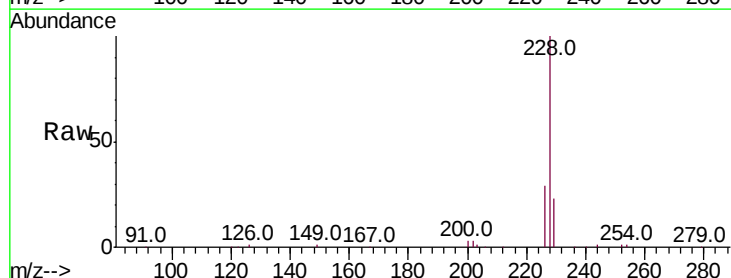
Tgt Ion:228 Resp: 248676

Ion Ratio Lower Upper

228 100

226 28.7 21.8 32.8

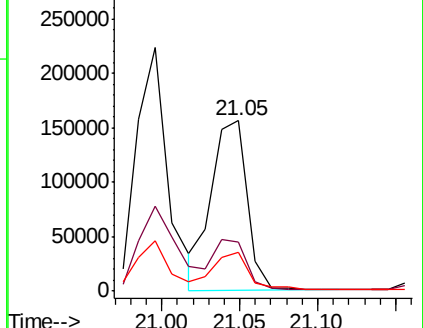
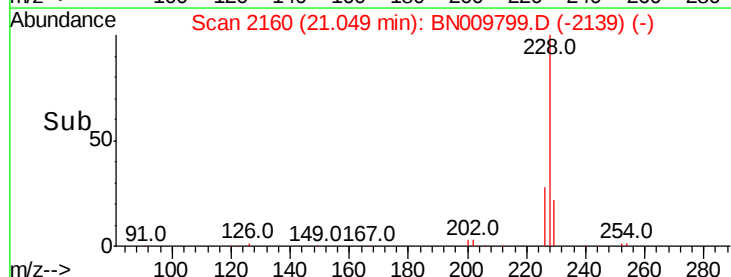
229 22.5 17.1 25.7

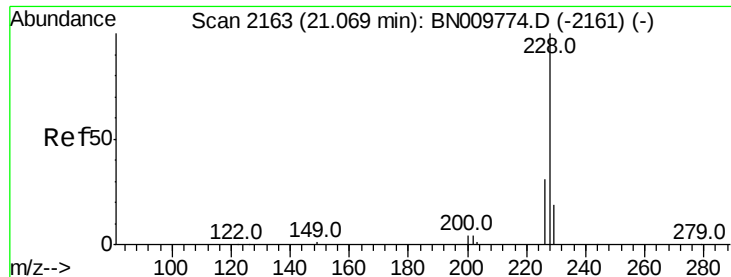


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 7.990 ng

RT: 21.05 min Scan# 2160

Delta R.T. -0.02 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

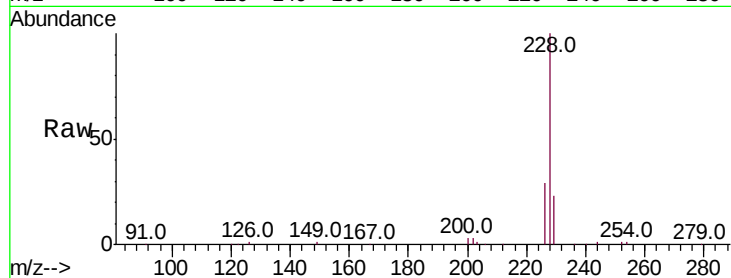
Tot Ion:228 Resp: 247922

Ion Ratio Lower Upper

228 100

226 28.7 24.8 37.2

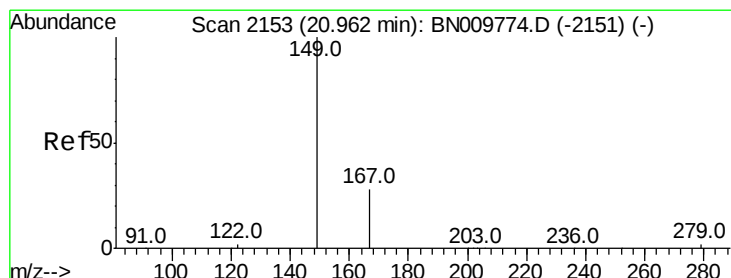
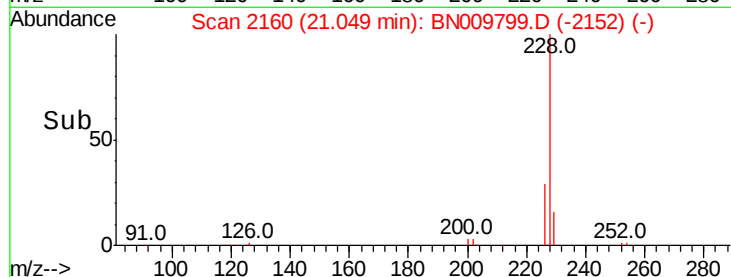
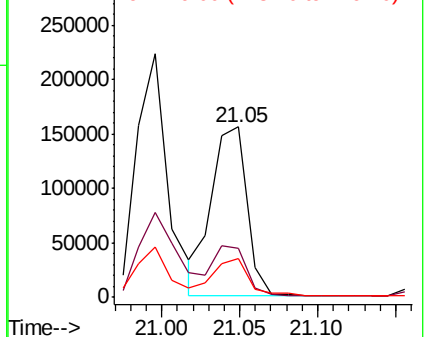
229 22.5 16.4 24.6



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: 0.118 ng

RT: 20.95 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

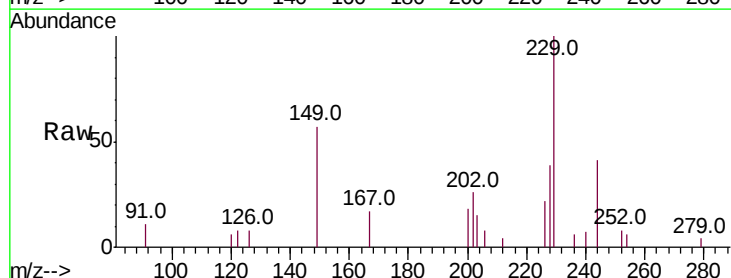
Tgt Ion:149 Resp: 1541

Ion Ratio Lower Upper

149 100

167 32.3 22.7 34.1

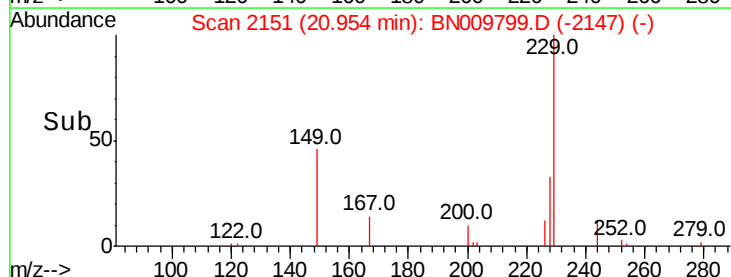
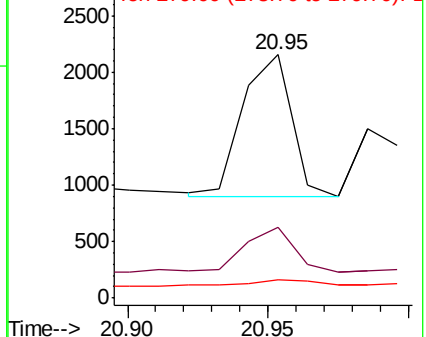
279 5.3 3.1 4.7#

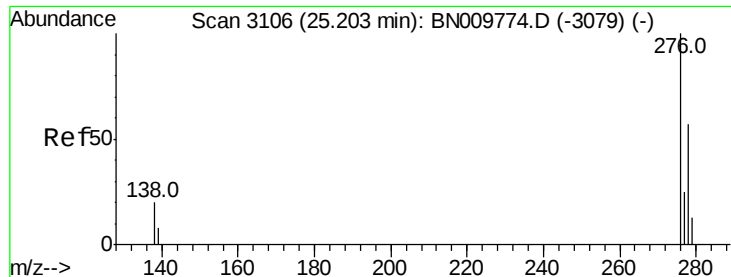


Abundance Ion 149.00 (148.70 to 149.70): E

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: 6.275 ng

RT: 25.15 min Scan# 3090

Delta R.T. -0.05 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

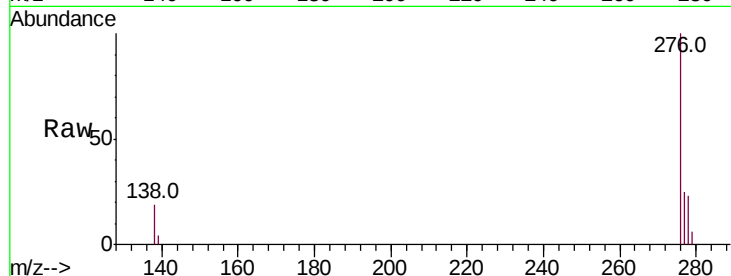
Tot Ion:276 Resp: 202759

Ion Ratio Lower Upper

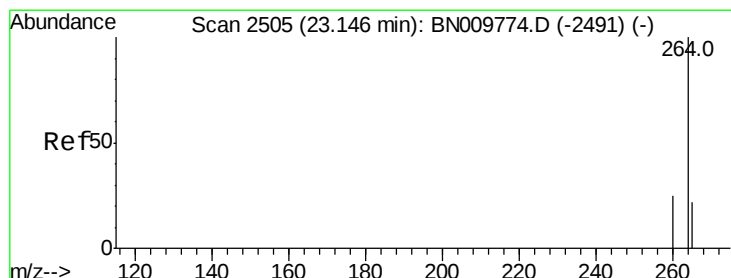
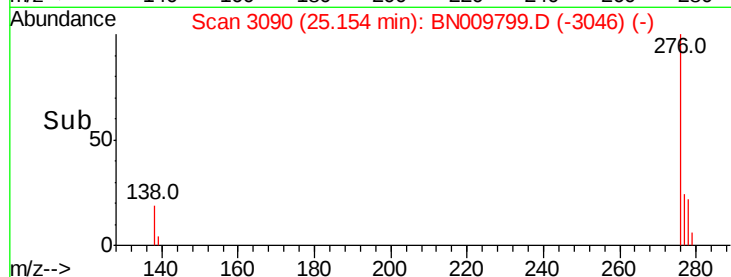
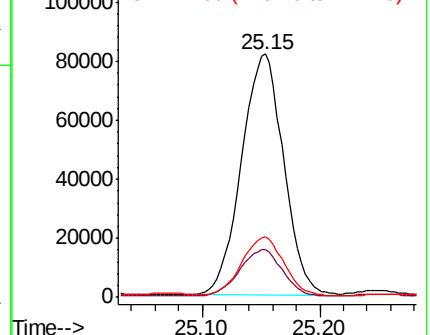
276 100

138 19.5 15.8 23.6

277 24.9 19.3 28.9



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: 23.11 min Scan# 2493

Delta R.T. -0.04 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

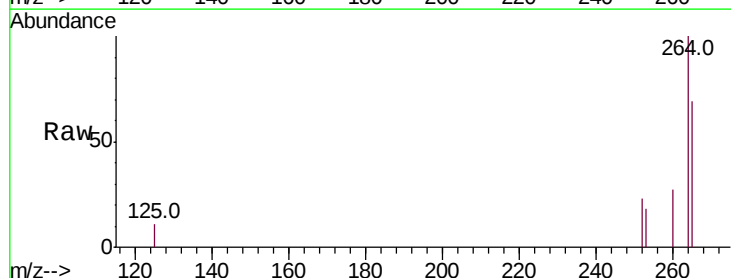
Tgt Ion:264 Resp: 8040

Ion Ratio Lower Upper

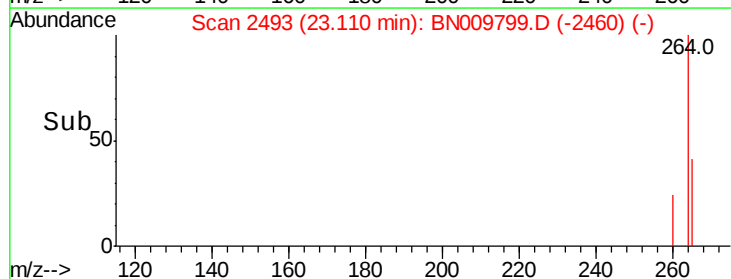
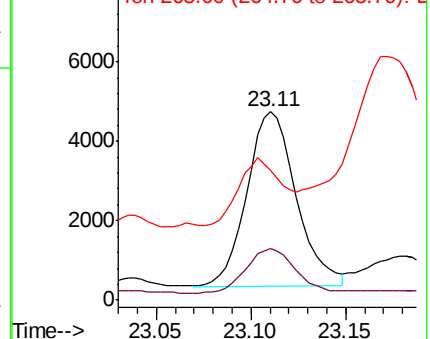
264 100

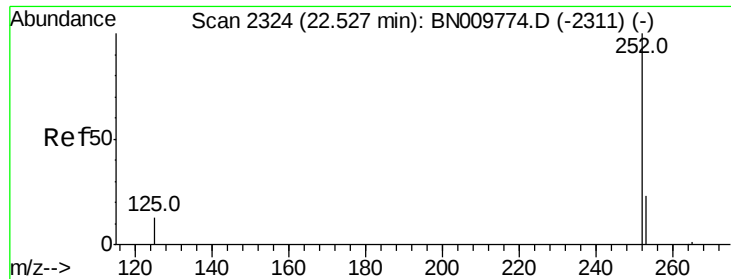
260 27.4 21.1 31.7

265 69.1 57.5 86.3



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

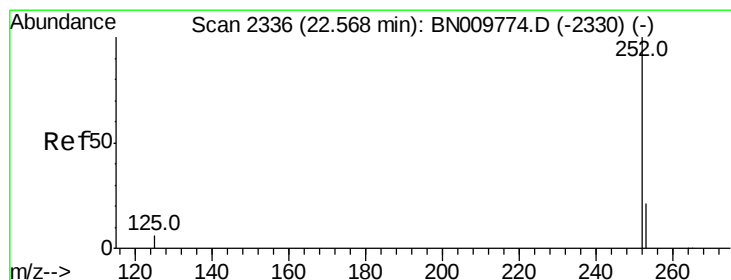
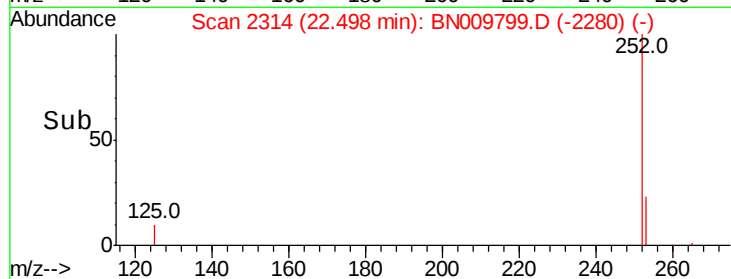
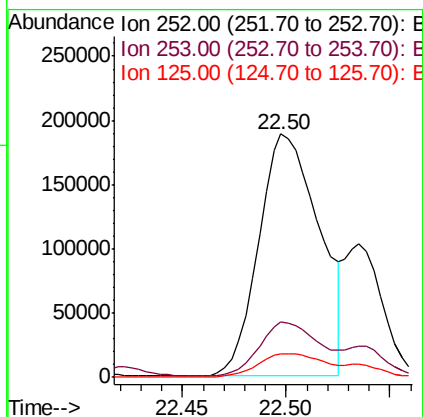
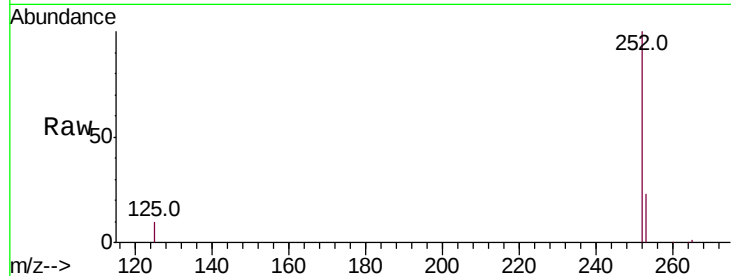




#35
Benzo(b)fluoranthene
Concen: 13.015 ng
RT: 22.50 min Scan# 2314
Delta R.T. -0.03 min
Lab File: BN009799.D
Acq: 21 Feb 2020 03:22

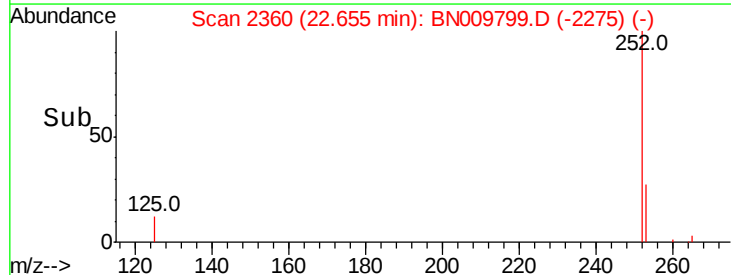
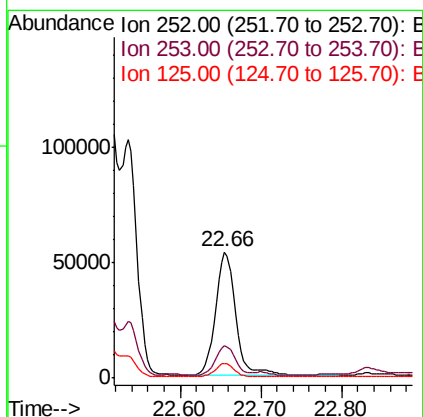
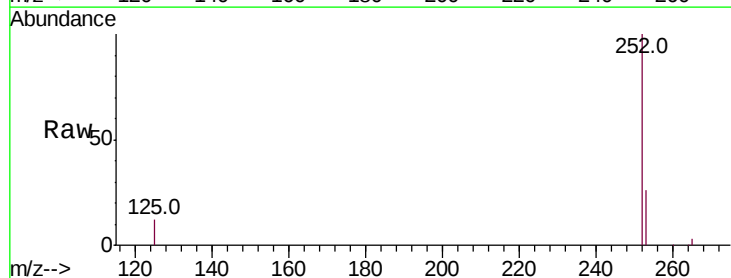
Instrument :
BNA_N
ClientSampleId :

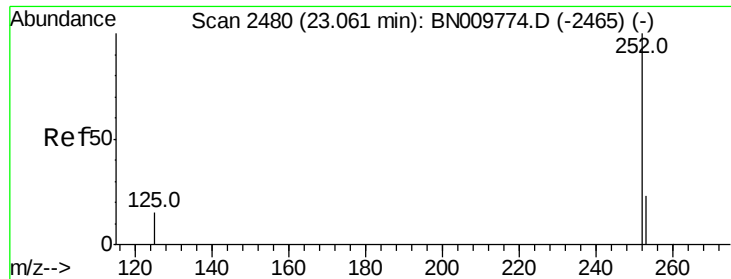
Tot Ion:252 Resp: 382549
Ion Ratio Lower Upper
252 100
253 22.6 23.0 34.6#
125 9.7 14.4 21.6#



#36
Benzo(k)fluoranthene
Concen: 2.918 ng
RT: 22.66 min Scan# 2360
Delta R.T. 0.09 min
Lab File: BN009799.D
Acq: 21 Feb 2020 03:22

Tgt Ion:252 Resp: 93389
Ion Ratio Lower Upper
252 100
253 26.0 22.2 33.2
125 11.7 10.5 15.7





#37

Benzo(a)pyrene

Concen: 11.283 ng

RT: 23.02 min Scan# 2467

Delta R.T. -0.04 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

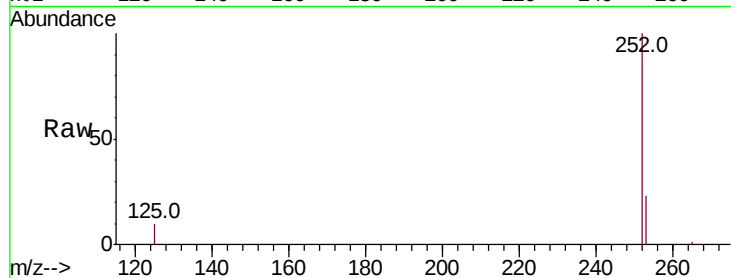
Tot Ion:252 Resp: 302609

Ion Ratio Lower Upper

252 100

253 23.0 25.3 37.9#

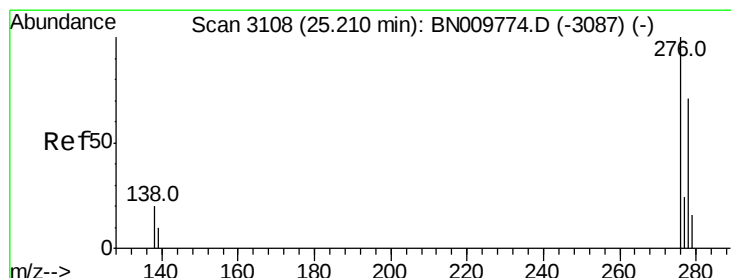
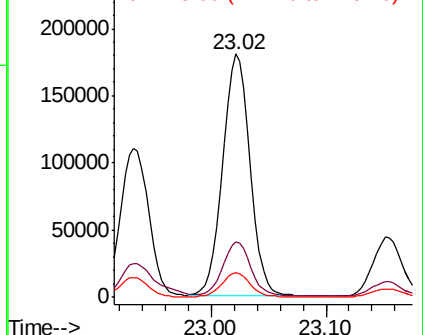
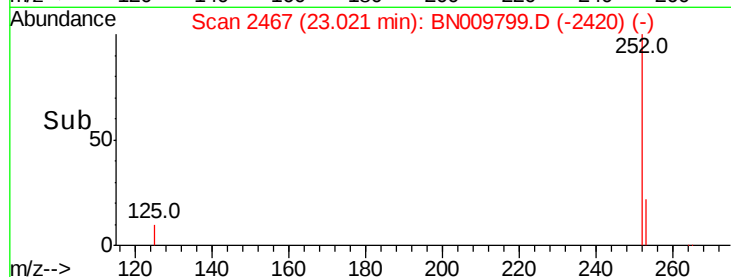
125 10.2 17.7 26.5#



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: 2.198 ng

RT: 25.15 min Scan# 3090

Delta R.T. -0.06 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

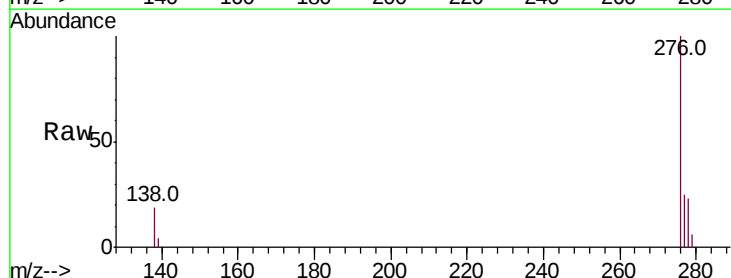
Tgt Ion:278 Resp: 58033

Ion Ratio Lower Upper

278 100

139 17.4 14.5 21.7

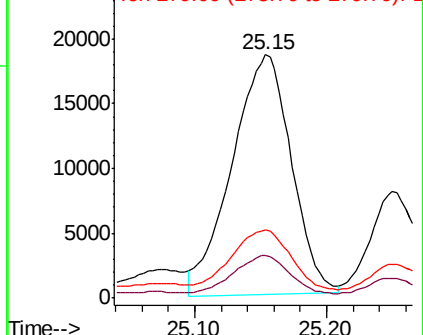
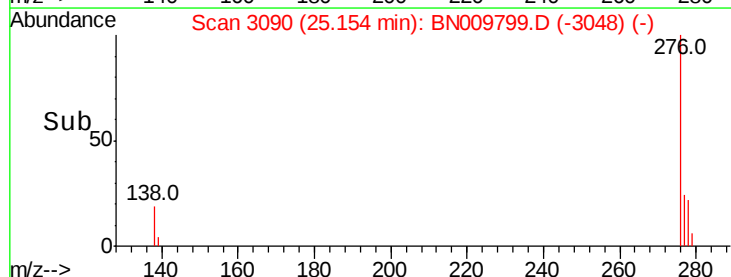
279 28.2 24.3 36.5

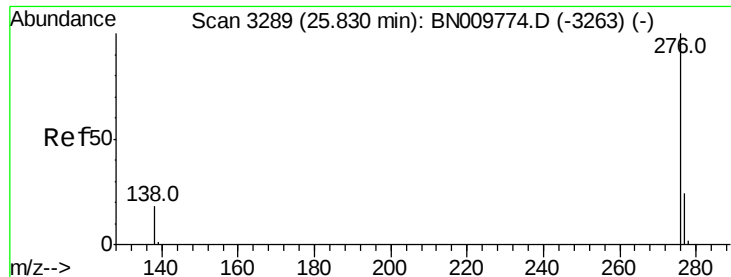


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.305 ng

RT: 25.77 min Scan# 3271

Delta R.T. -0.06 min

Lab File: BN009799.D

Acq: 21 Feb 2020 03:22

Instrument :

BNA_N

ClientSampleId :

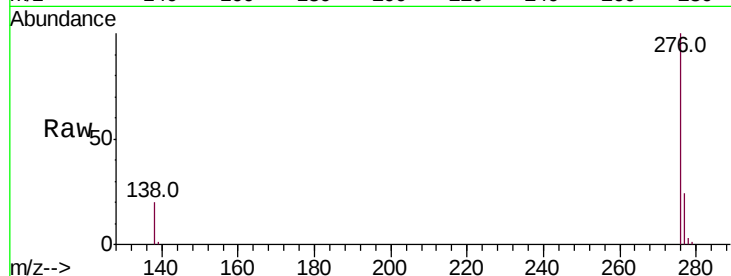
Tot Ion:276 Resp: 205480

Ion Ratio Lower Upper

276 100

277 24.2 21.4 32.0

138 19.8 16.6 24.8



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

