

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022020\
 Data File : BN009797.D
 Acq On : 21 Feb 2020 02:10
 Operator : CG/JU
 Sample : L1579-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 21 02:51:51 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	1409	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	4711	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	2776	0.40	ng	-0.01
19) Phenanthrene-d10	16.82	188	5744	0.40	ng	0.00
27) Chrysene-d12	21.03	240	5561	0.40	ng	-0.01
34) Perylene-d12	23.13	264	5546	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	545	0.17	ng	-0.02
5) Phenol-d6	6.64	99	382	0.10	ng	0.00
8) Nitrobenzene-d5	8.58	82	1886	0.48	ng	-0.01
11) 2-Methylnaphthalene-d10	11.77	152	2860	0.31	ng	-0.01
14) 2,4,6-Tribromophenol	15.57	330	399	0.37	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	5262	0.50	ng	-0.02
25) Fluoranthene-d10	18.85	212	6414	0.32	ng	-0.01
29) Terphenyl-d14	19.46	244	9056	0.68	ng	-0.02

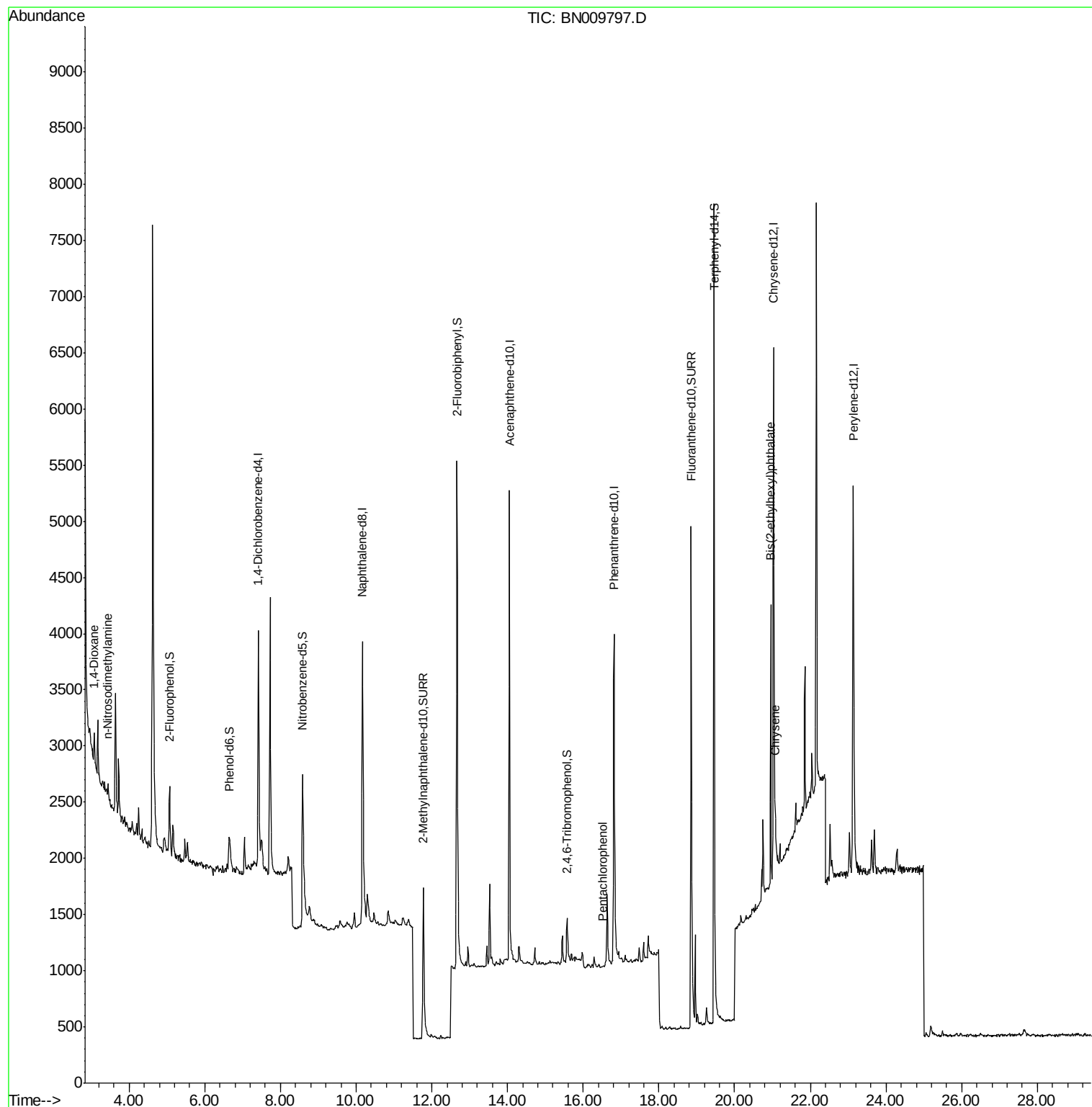
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	111	0.077	ng	# 30
3) n-Nitrosodimethylamine	3.44	42	59	0.025	ng	# 22
20) 4-Bromophenyl-phenylether	16.01	248	180	Below Cal		# 74
22) Pentachlorophenol	16.53	266	6	0.183	ng	# 75
31) Chrysene	21.07	228	559	0.026	ng	# 76
32) Bis(2-ethylhexyl)phthalate	20.95	149	1988	0.221	ng	99

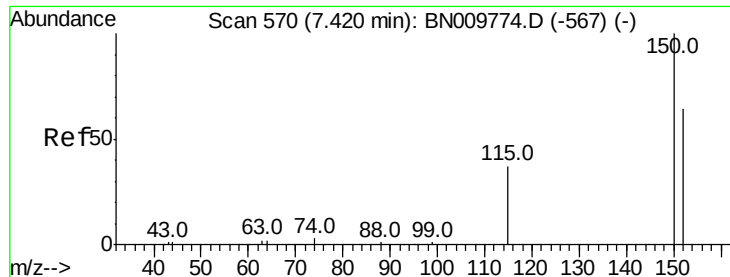
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN009797.D

Acq: 21 Feb 2020 02:10

Instrument :

BNA_N

ClientSampled :

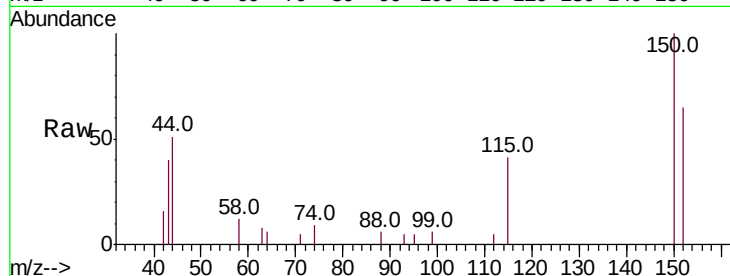
Tot Ion:152 Resp: 1409

Ion Ratio Lower Upper

152 100

150 154.5 120.6 181.0

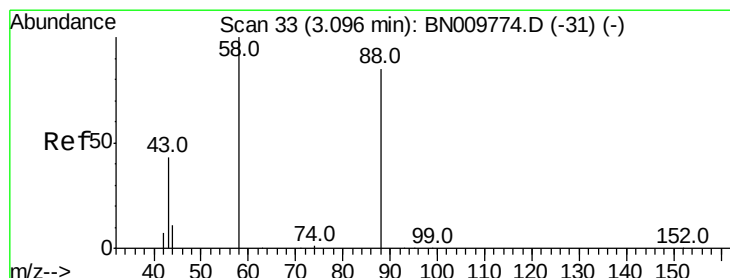
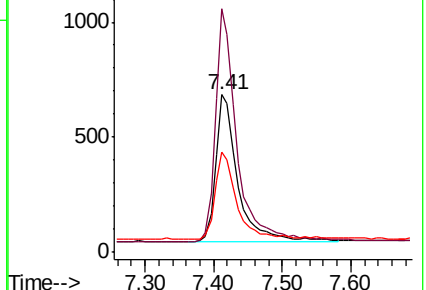
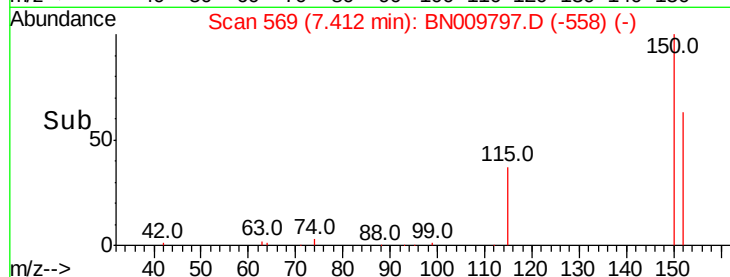
115 63.4 51.2 76.8



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: 0.077 ng

RT: 3.09 min Scan# 32

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

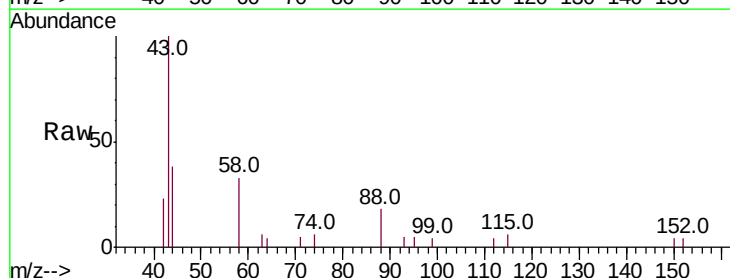
Tgt Ion: 88 Resp: 111

Ion Ratio Lower Upper

88 100

58 114.4 97.8 146.8

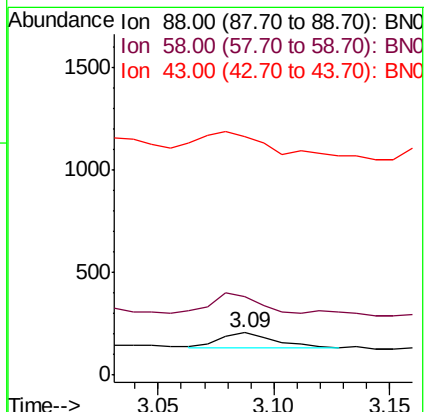
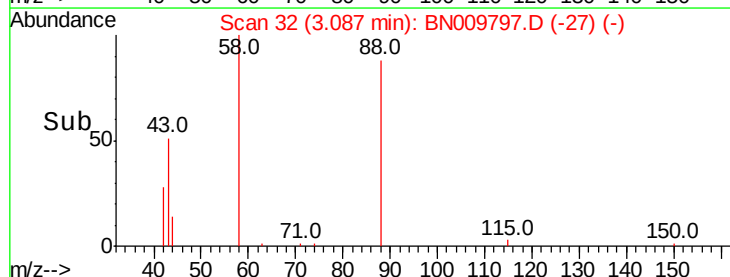
43 207.2 45.1 67.7#

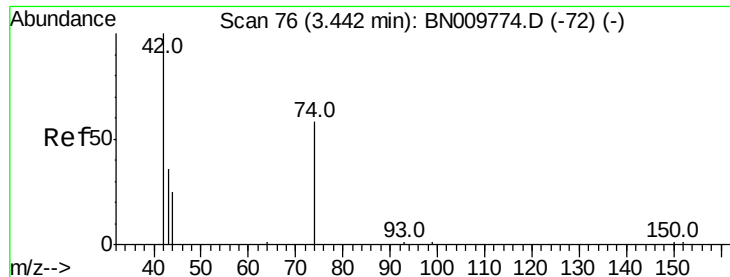


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.025 ng

RT: 3.44 min Scan# 76

Delta R.T. -0.00 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

Instrument :

BNA_N

ClientSampleId :

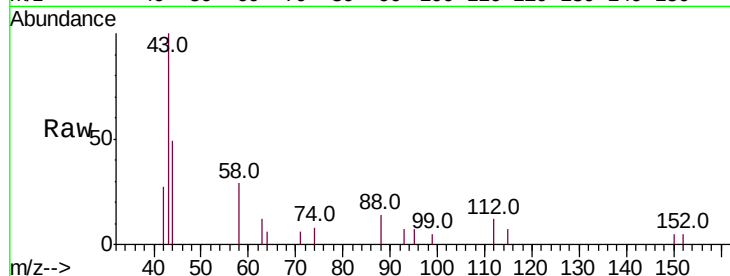
Tot Ion: 42 Resp: 59

Ion Ratio Lower Upper

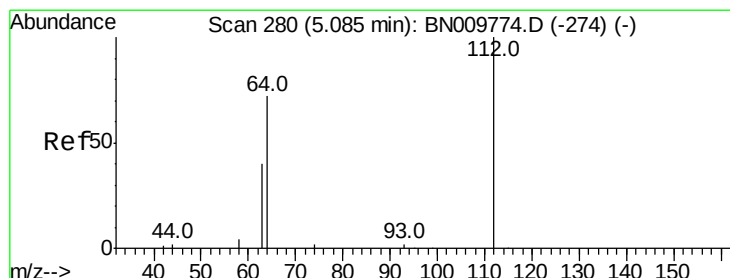
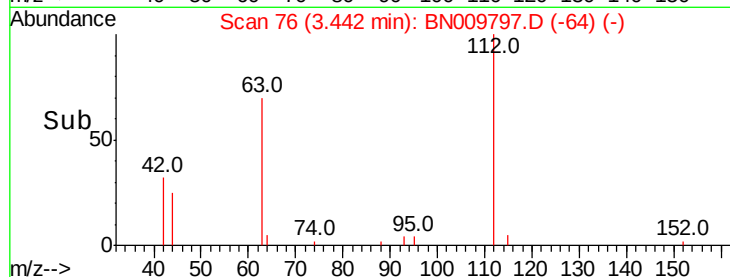
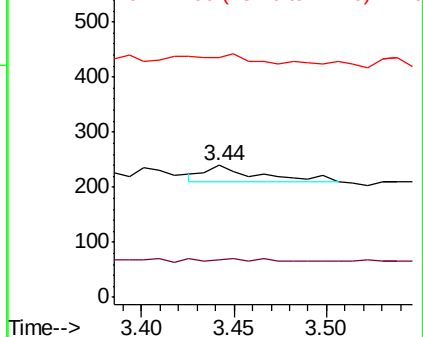
42 100

74 0.0 51.2 76.8#

44 0.0 2.6 4.0#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.174 ng

RT: 5.07 min Scan# 278

Delta R.T. -0.02 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

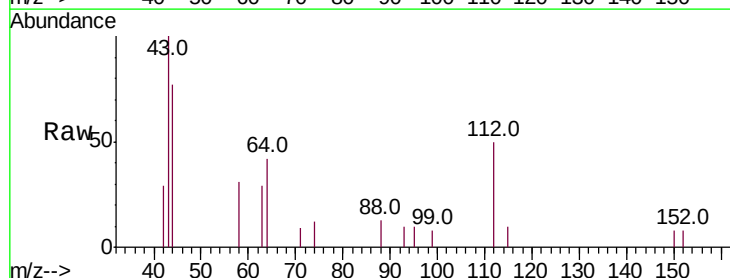
Tgt Ion: 112 Resp: 545

Ion Ratio Lower Upper

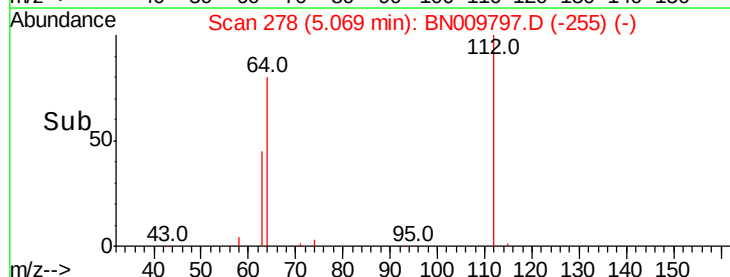
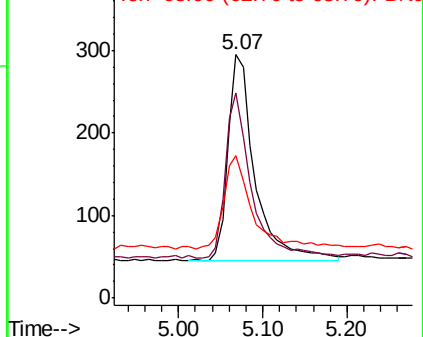
112 100

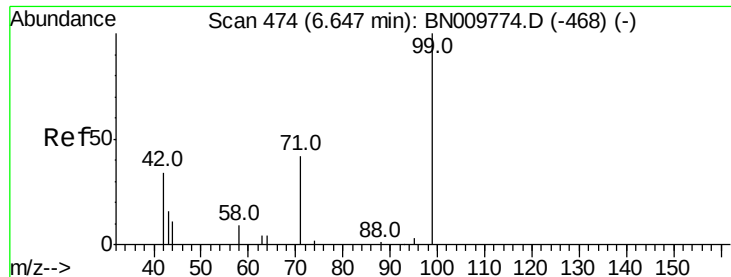
64 79.8 65.8 98.6

63 52.1 38.7 58.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.100 ng

RT: 6.64 min Scan# 473

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

Instrument :

BNA_N

ClientSampleId :

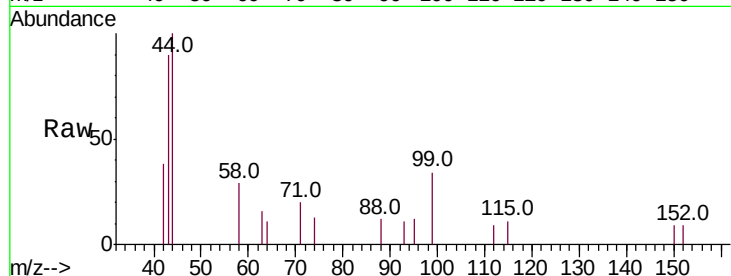
Tot Ion: 99 Resp: 382

Ion Ratio Lower Upper

99 100

42 33.8 30.8 46.2

71 45.3 34.9 52.3

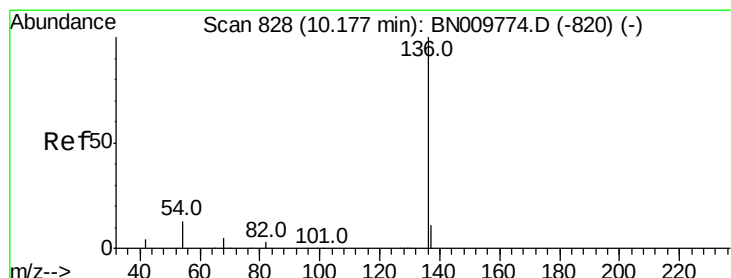
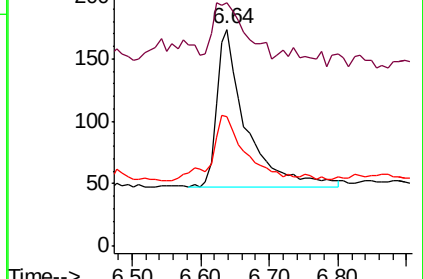
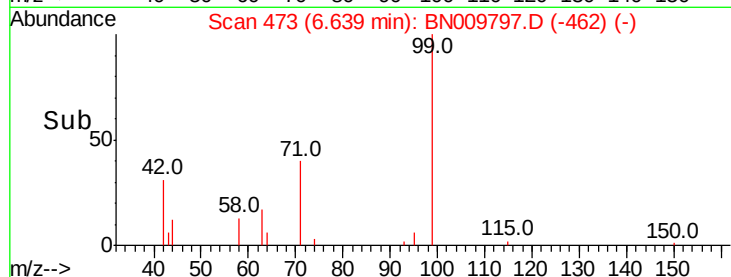


Abundance Ion 99.00 (98.70 to 99.70): BN009797.D (-468) (-)

Ion 42.00 (41.70 to 42.70): BN009797.D (-468) (-)

Ion 71.00 (70.70 to 71.70): BN009797.D (-468) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

Tgt Ion: 136 Resp: 4711

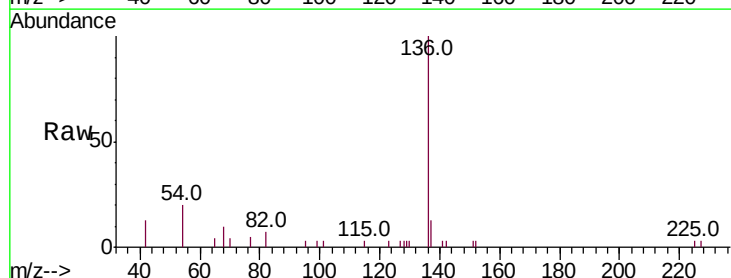
Ion Ratio Lower Upper

136 100

137 13.3 11.3 16.9

54 19.6 13.4 20.2

68 10.2 7.0 10.4



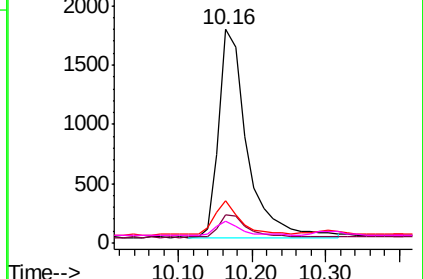
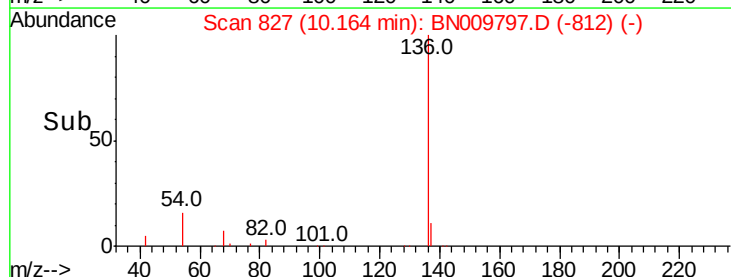
Abundance Ion 136.00 (135.70 to 136.70): BN009797.D (-820) (-)

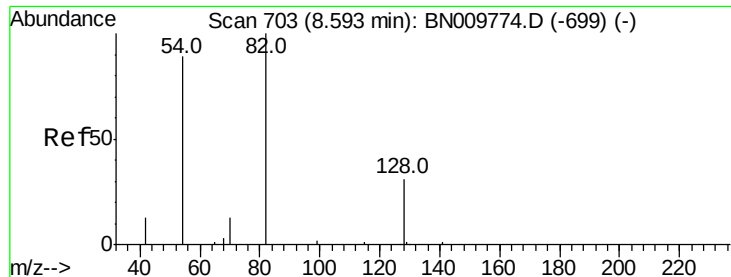
Ion 137.00 (136.70 to 137.70): BN009797.D (-820) (-)

Ion 54.00 (53.70 to 54.70): BN009797.D (-820) (-)

Ion 68.00 (67.70 to 68.70): BN009797.D (-820) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.481 ng

RT: 8.58 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

Instrument :

BNA_N

ClientSampleId :

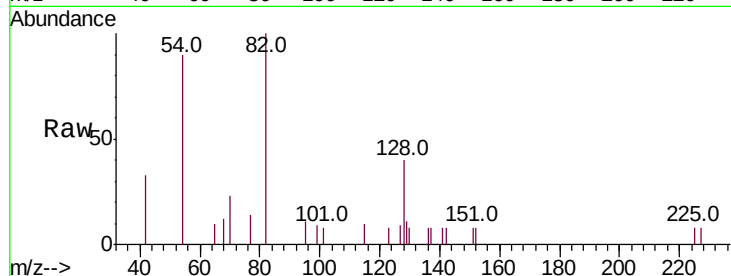
Tot Ion: 82 Resp: 1886

Ion Ratio Lower Upper

82 100

128 40.0 32.5 48.7

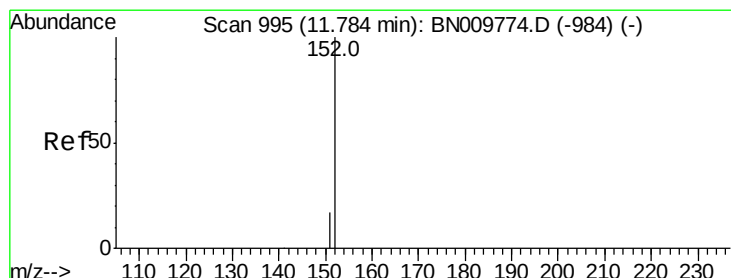
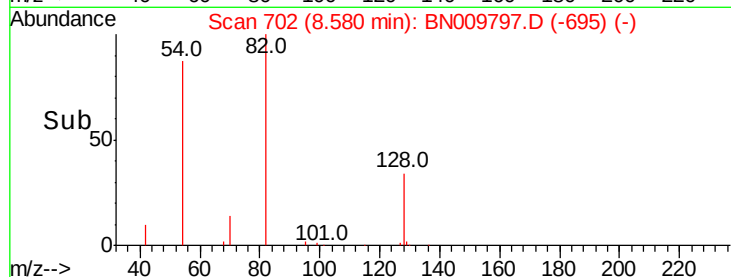
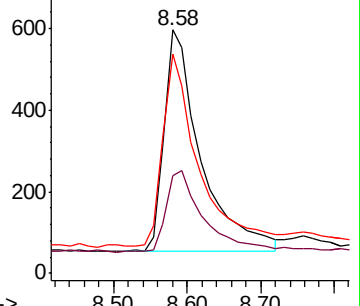
54 90.3 73.5 110.3



Abundance Ion 82.00 (81.70 to 82.70): BN009797.D (-950) (-)

Ion 128.00 (127.70 to 128.70): BN009797.D (-950) (-)

Ion 54.00 (53.70 to 54.70): BN009797.D (-950) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.314 ng

RT: 11.77 min Scan# 992

Delta R.T. -0.01 min

Lab File: BN009797.D

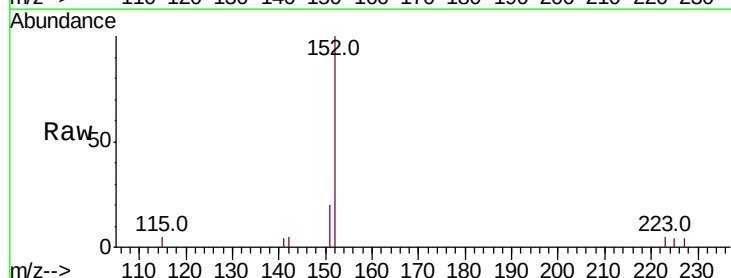
Acq: 21 Feb 2020 02:10

Tgt Ion: 152 Resp: 2860

Ion Ratio Lower Upper

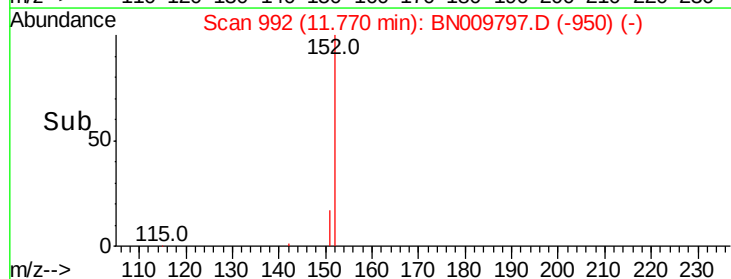
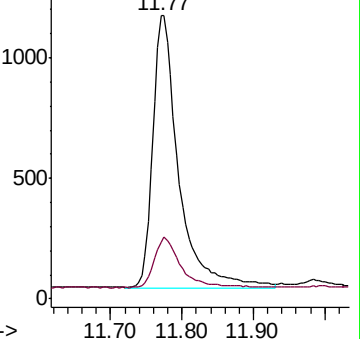
152 100

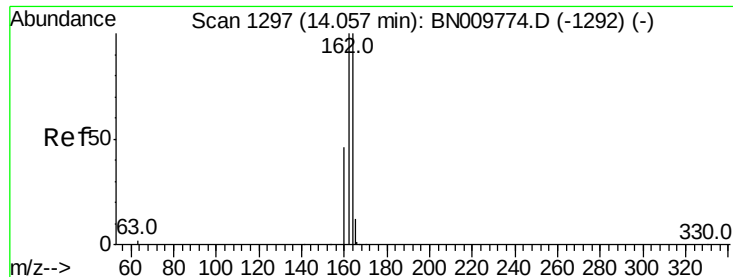
151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BN009797.D (-950) (-)

Ion 151.00 (150.70 to 151.70): BN009797.D (-950) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

Instrument :

BNA_N

ClientSampleId :

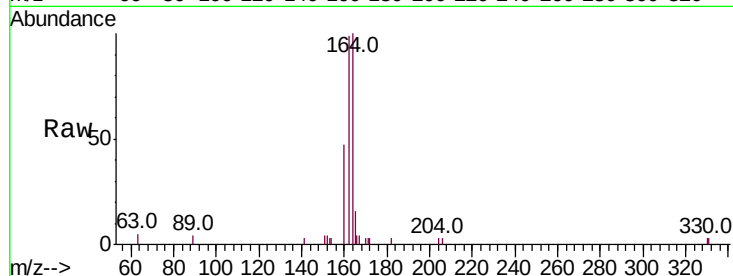
Tot Ion:164 Resp: 2776

Ion Ratio Lower Upper

164 100

162 99.3 79.9 119.9

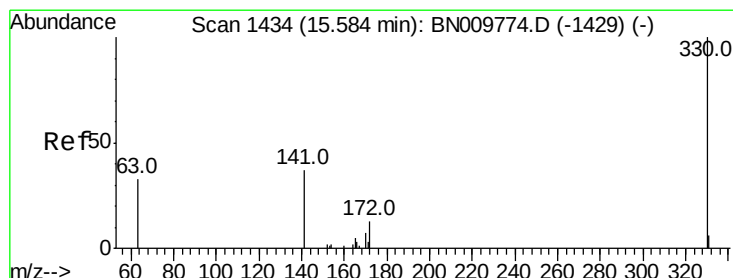
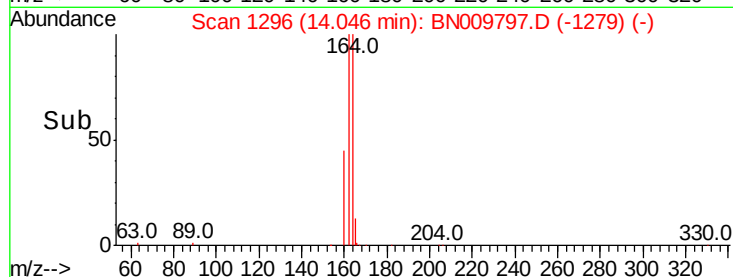
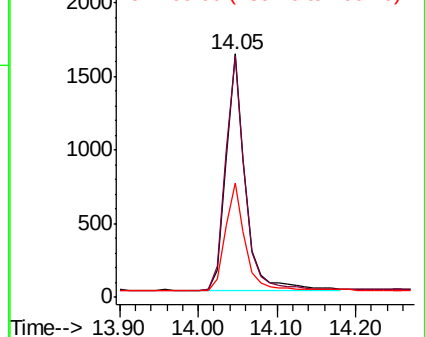
160 46.8 38.2 57.2



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: 0.373 ng

RT: 15.57 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

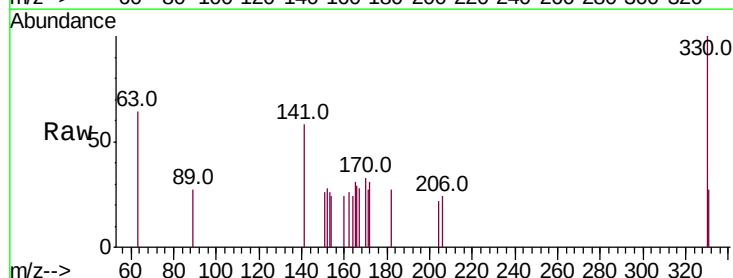
Tgt Ion:330 Resp: 399

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

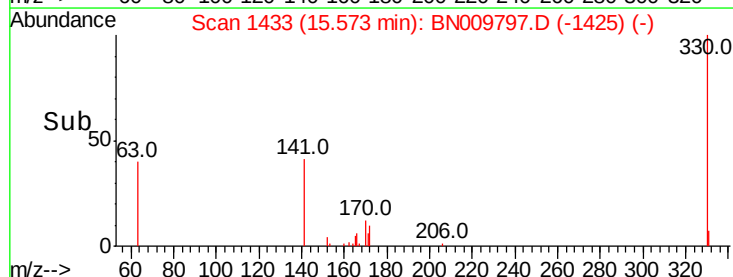
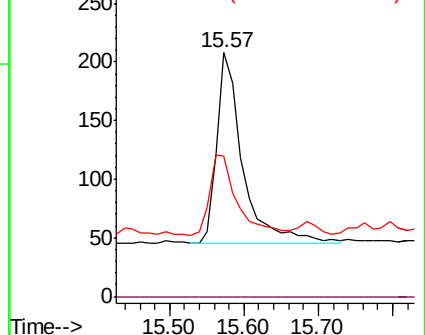
141 44.1 36.8 55.2

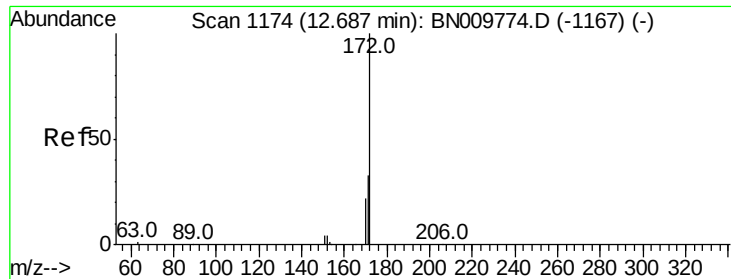


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

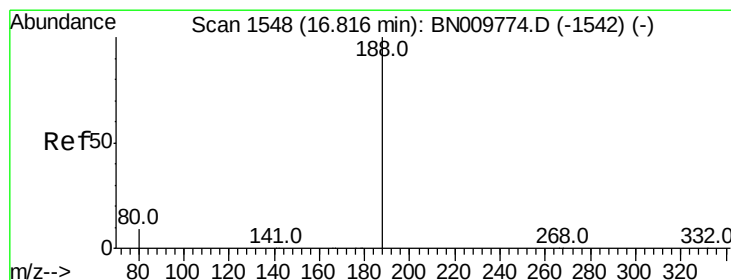
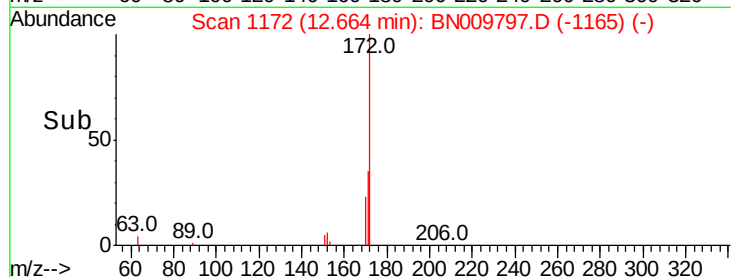
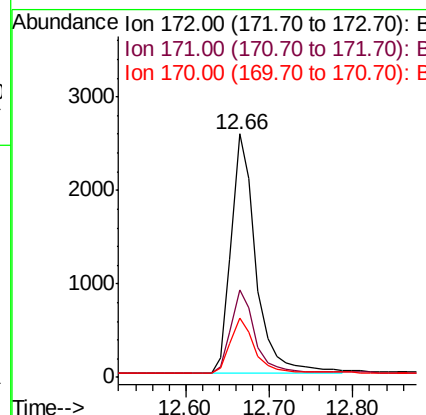
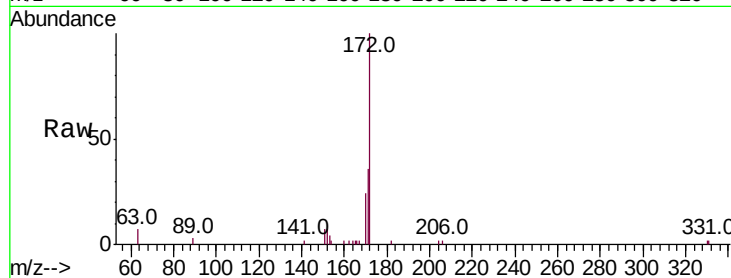




#15
2-Fluorobiphenyl
Concen: 0.502 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009797.D
Acq: 21 Feb 2020 02:10

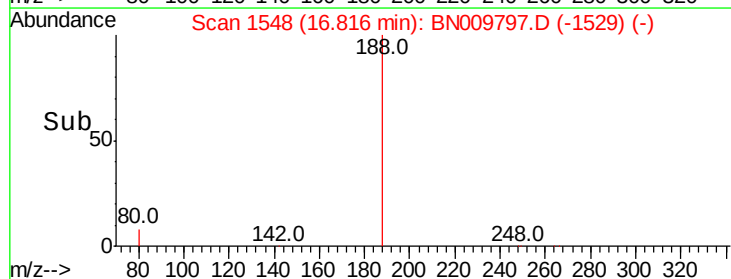
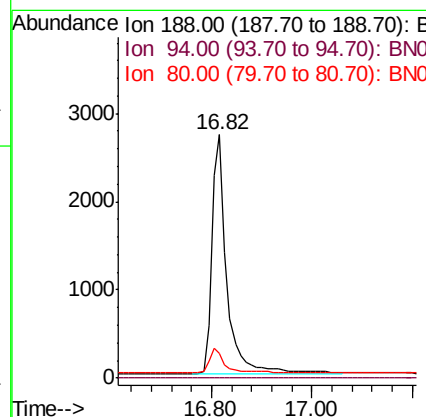
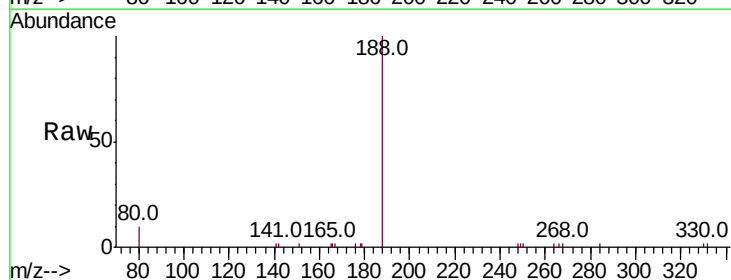
Instrument :
BNA_N
ClientSampleId :

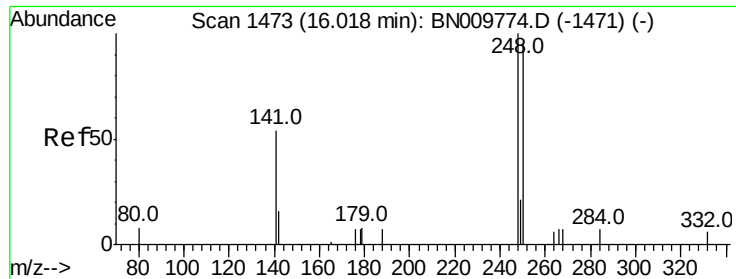
Tot Ion:172 Resp: 5262
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 24.4 20.1 30.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BN009797.D
Acq: 21 Feb 2020 02:10

Tgt Ion:188 Resp: 5744
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 8.3 12.5





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

Instrument :

BNA_N

ClientSampleId :

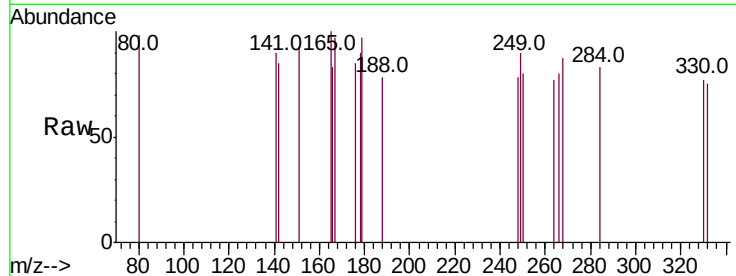
Tot Ion:248 Resp: 180

Ion Ratio Lower Upper

248 100

250 102.1 76.2 114.4

141 114.9 57.8 86.6#

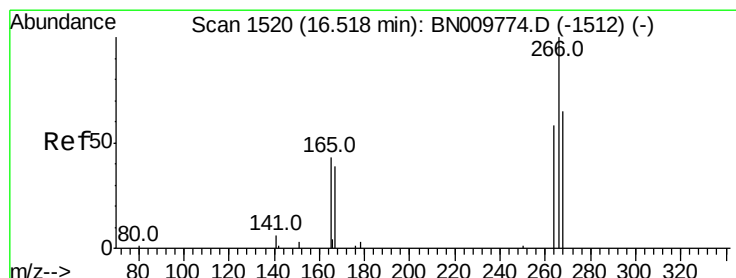
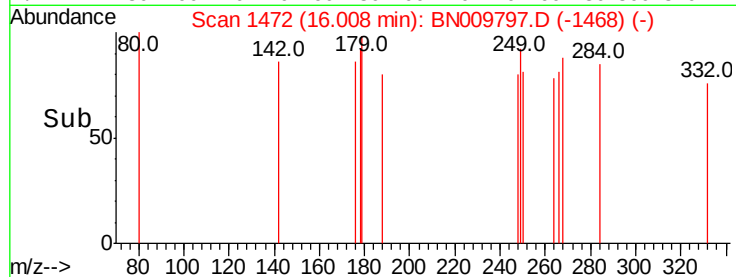
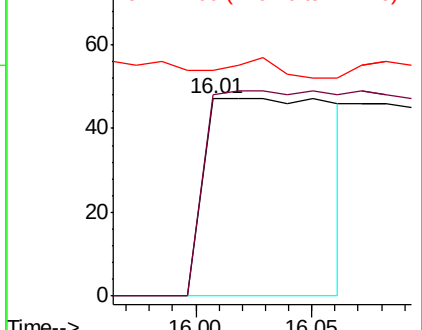


Abundance

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



#22

Pentachlorophenol

Concen: 0.183 ng

RT: 16.53 min Scan# 1521

Delta R.T. 0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

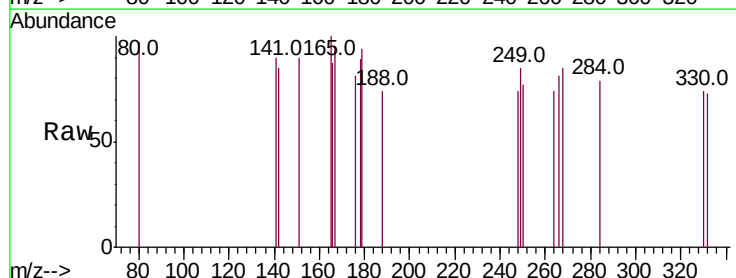
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 92.0 58.1 87.1#

268 106.0 65.7 98.5#

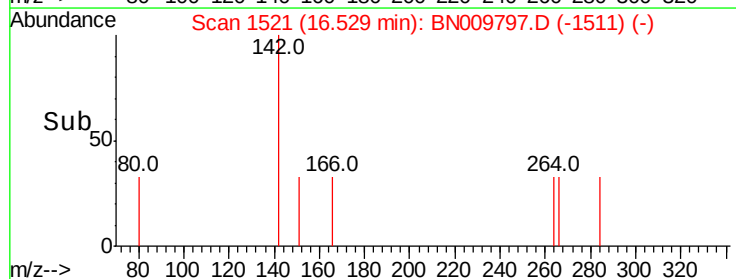
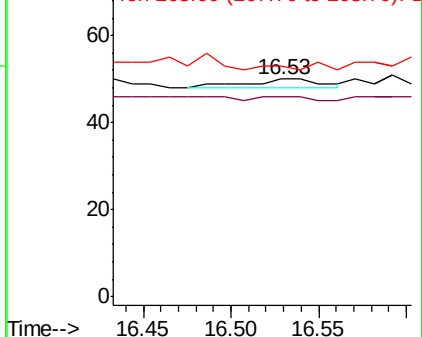


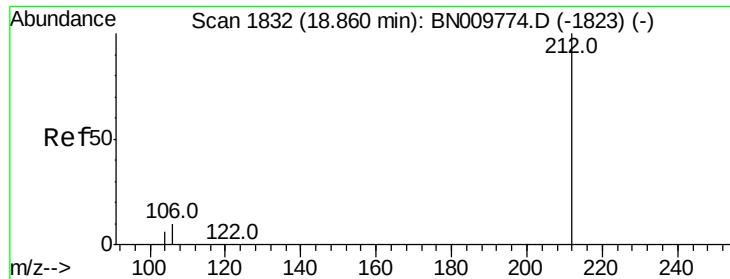
Abundance

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





#25

Fluoranthene-d10

Concen: 0.323 ng

RT: 18.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

Instrument :

BNA_N

ClientSampleId :

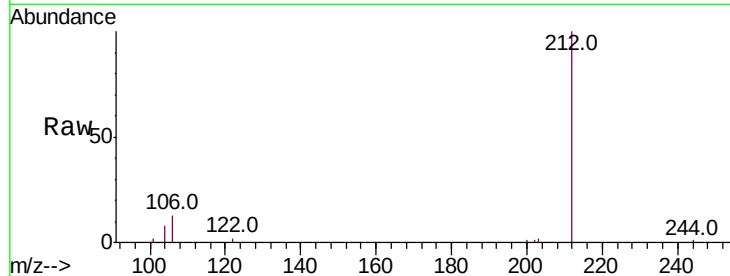
Tot Ion:212 Resp: 6414

Ion Ratio Lower Upper

212 100

106 11.6 8.4 12.6

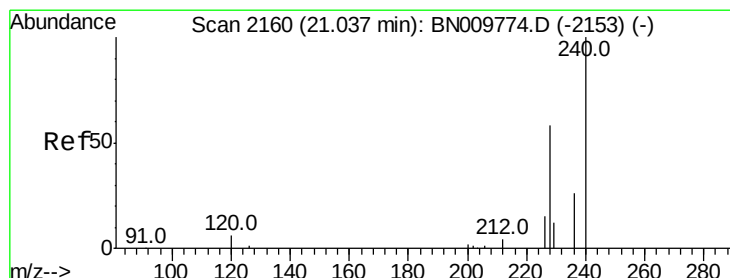
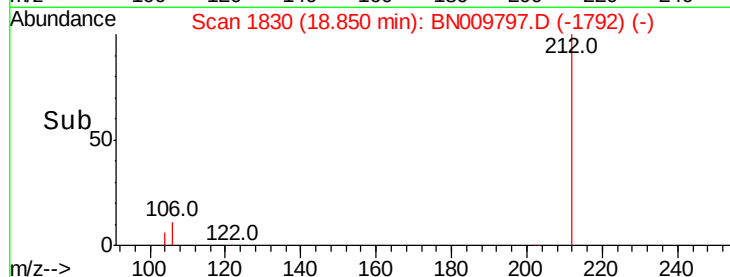
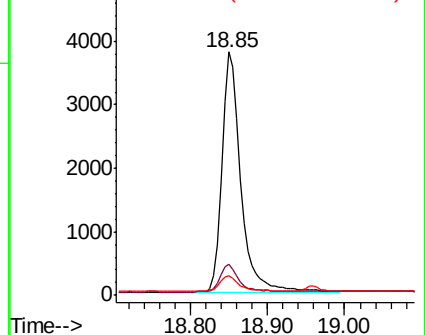
104 6.5 4.8 7.2



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

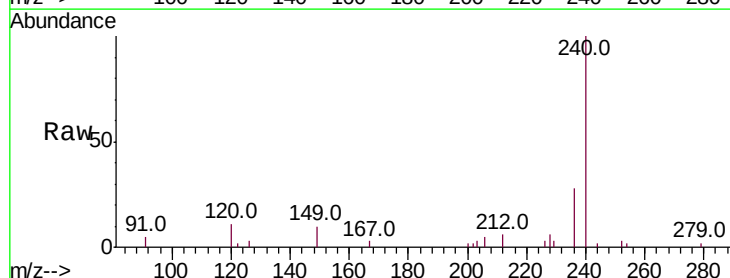
Tgt Ion:240 Resp: 5561

Ion Ratio Lower Upper

240 100

120 11.3 7.9 11.9

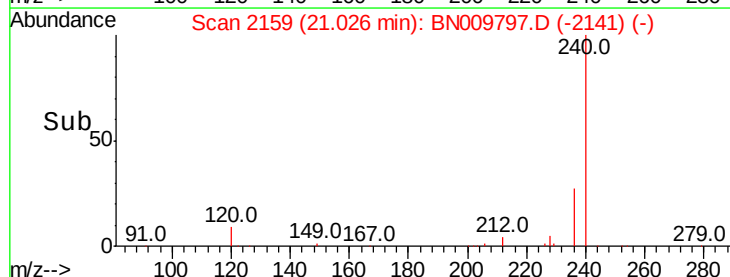
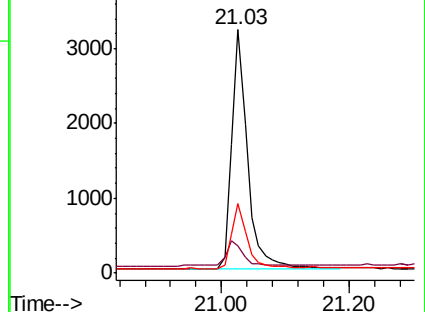
236 28.3 22.0 33.0

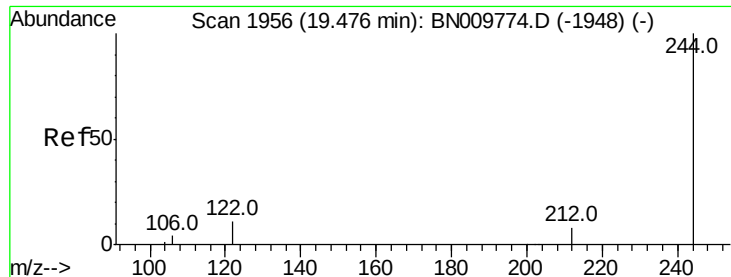


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.682 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.02 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

Instrument :

BNA_N

ClientSampleId :

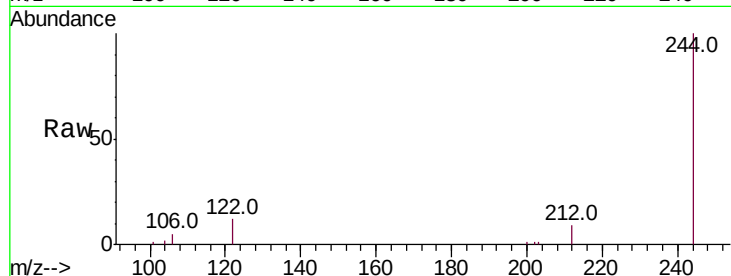
Tot Ion:244 Resp: 9056

Ion Ratio Lower Upper

244 100

212 8.8 8.0 12.0

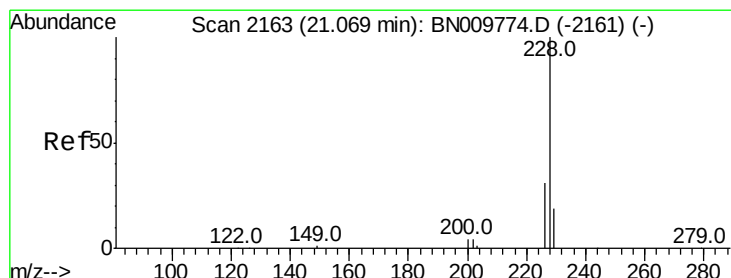
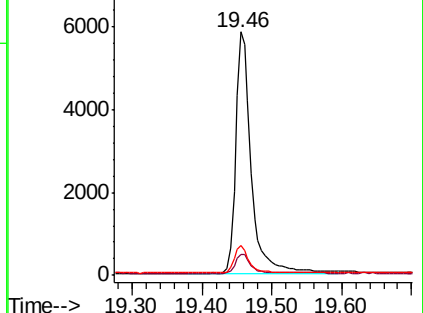
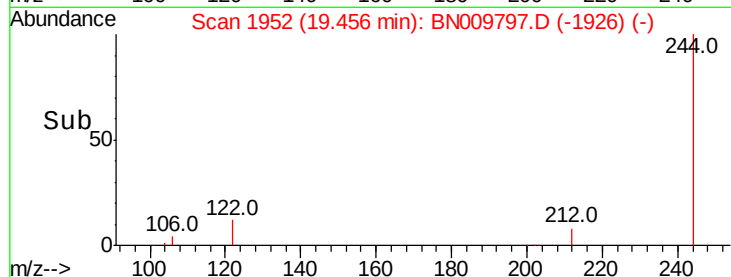
122 12.4 10.0 15.0



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



#31

Chrysene

Concen: 0.026 ng

RT: 21.07 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

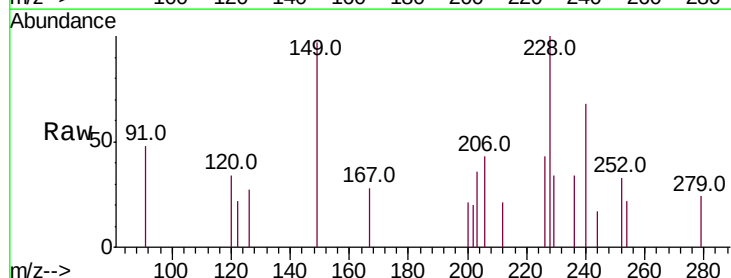
Tgt Ion:228 Resp: 559

Ion Ratio Lower Upper

228 100

226 42.8 24.8 37.2#

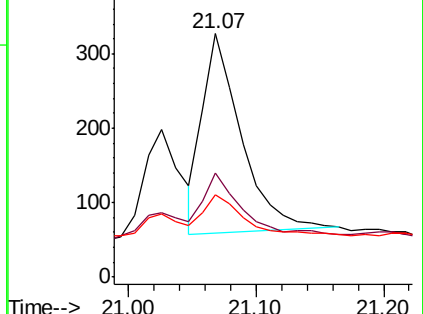
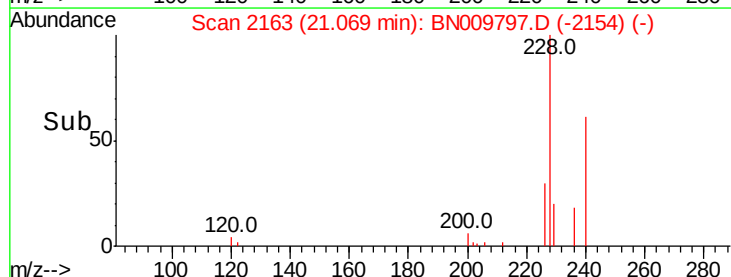
229 33.6 16.4 24.6#

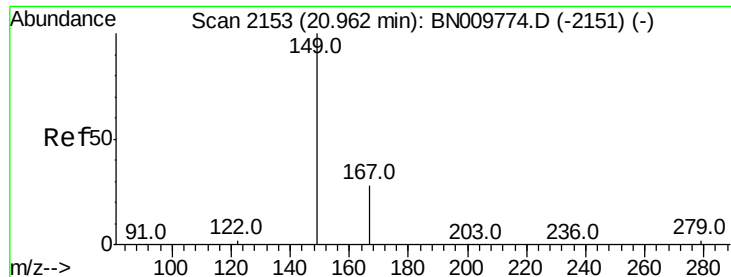


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.221 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

Instrument :

BNA_N

ClientSampleId :

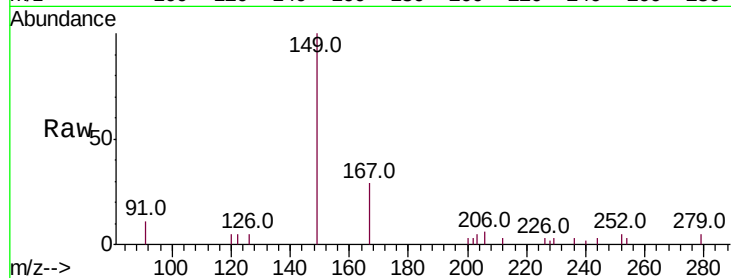
Tot Ion:149 Resp: 1988

Ion Ratio Lower Upper

149 100

167 28.1 22.7 34.1

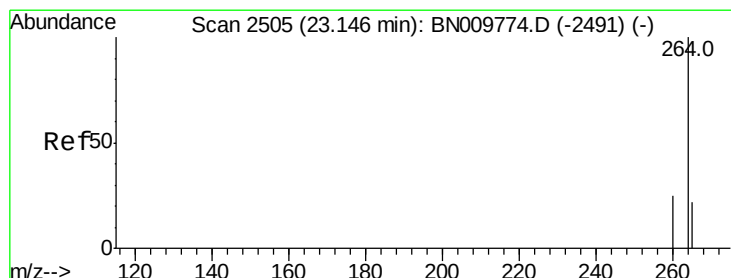
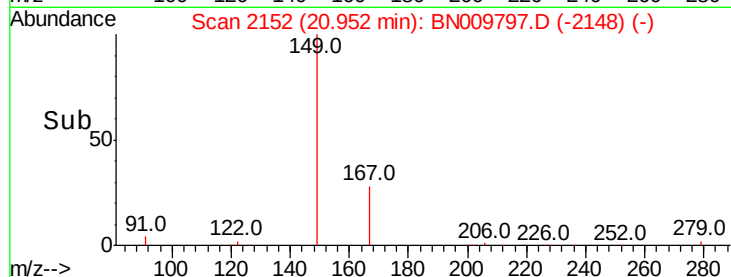
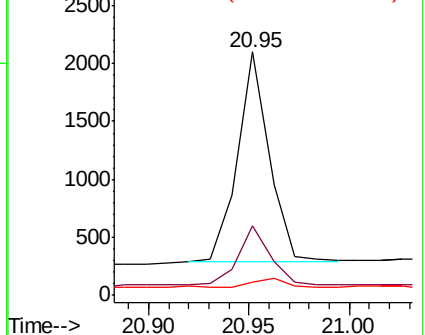
279 4.3 3.1 4.7



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.13 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BN009797.D

Acq: 21 Feb 2020 02:10

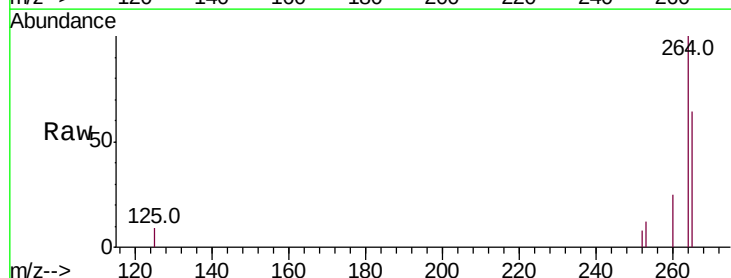
Tgt Ion:264 Resp: 5546

Ion Ratio Lower Upper

264 100

260 25.2 21.1 31.7

265 64.3 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

