

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110918\
 Data File : BN003486.D
 Acq On : 09 Nov 2018 23:27
 Operator : MJ/SJ
 Sample : J5860-21
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EP2-SB-110(14-16)

Quant Time: Nov 12 03:22:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 07 08:25:32 2018
 Response via : Initial Calibration

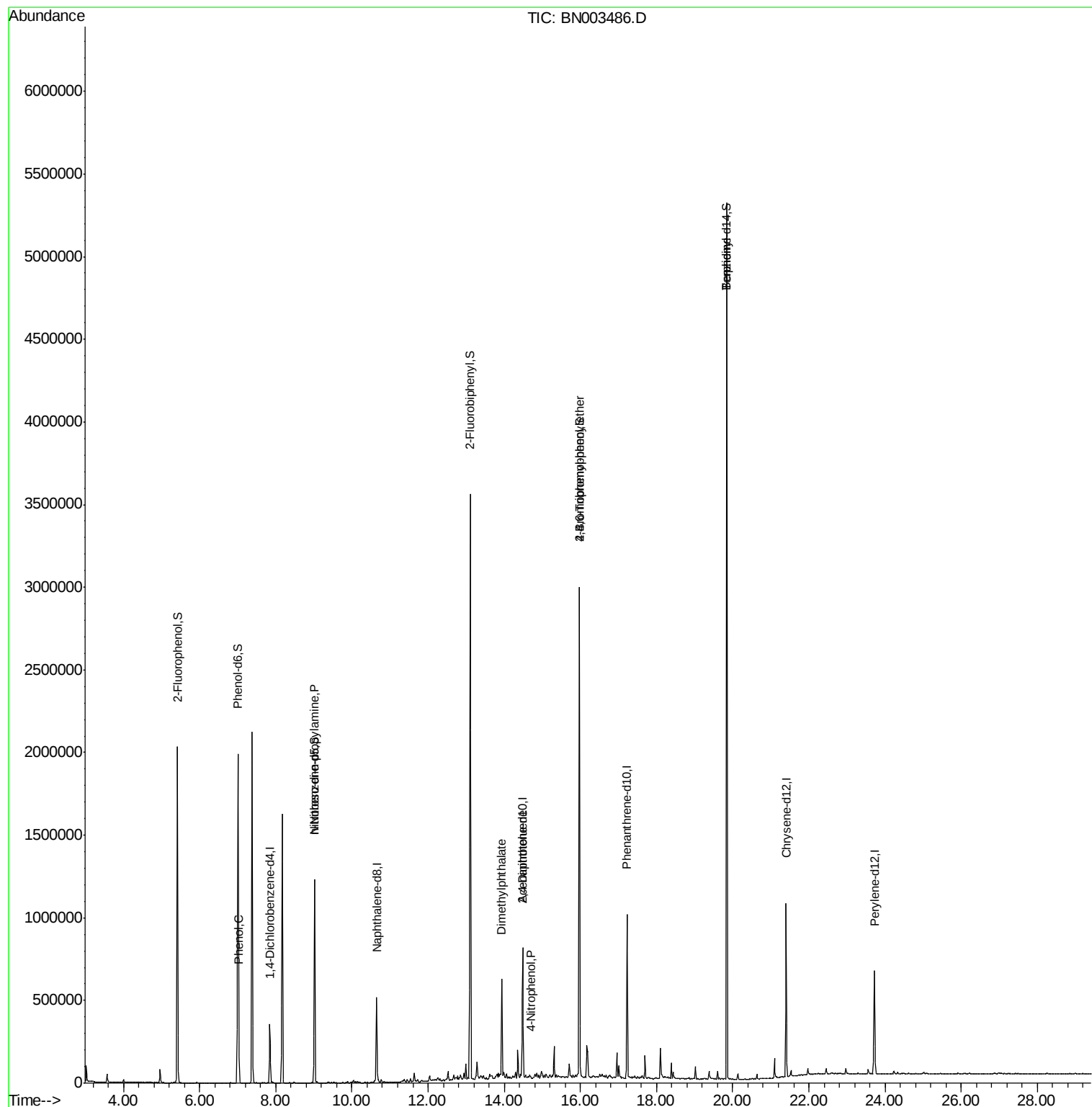
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	102893	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	440038	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	258168	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	563416	20.00	ng	0.00
76) Chrysene-d12	21.40	240	472420	20.00	ng	0.00
87) Perylene-d12	23.72	264	450348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	911826	154.35	ng	0.00
7) Phenol-d6	7.01	99	1245035	148.22	ng	0.00
23) Nitrobenzene-d5	9.02	82	715514	93.25	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	635654	182.85	ng	0.00
45) 2-Fluorobiphenyl	13.10	172	1881780	98.87	ng	0.00
79) Terphenyl-d14	19.85	244	2562387	115.99	ng	0.00
Target Compounds						
10) Phenol	7.03	94	90822	10.246	ng	96
19) n-Nitroso-di-n-propylamine	9.02	70	91672	15.134	ng	# 76
50) Dimethylphthalate	13.93	163	332360	15.922	ng	99
56) 4-Nitrophenol	14.70	139	365	5.513	ng	# 16
57) 2,4-Dinitrotoluene	14.48	165	34398	5.355	ng	# 20
67) 4-Bromophenyl-phenylether	15.97	248	41235	6.498	ng	# 1
77) Benizidine	19.85	184	30818	2.228	ng	# 93

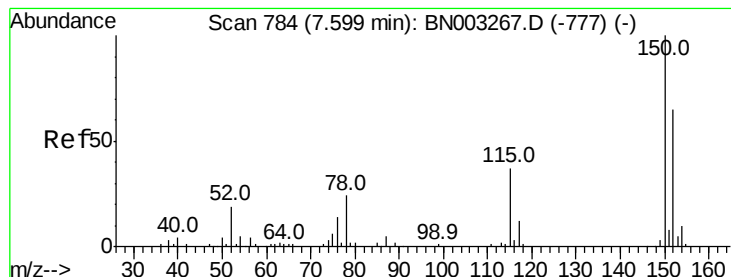
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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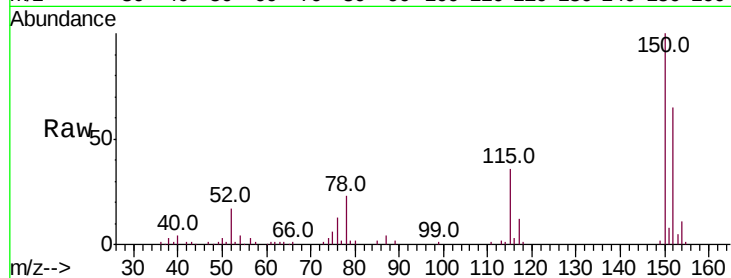


#1

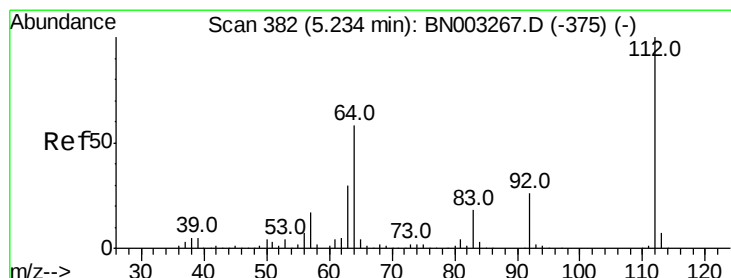
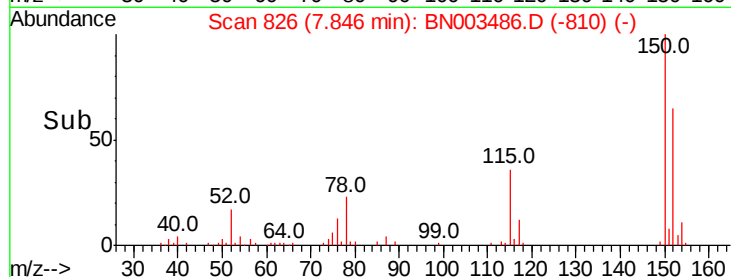
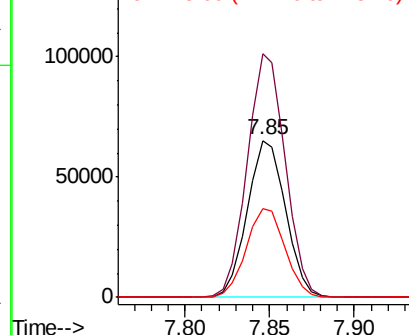
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.85 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: BN003486.D
 Acq: 09 Nov 2018 23:27

Instrument :
 BNA_N
 ClientSampleId :
 EP2-SB-110(14-16)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.8	185.8
115	56.4	45.9	68.9



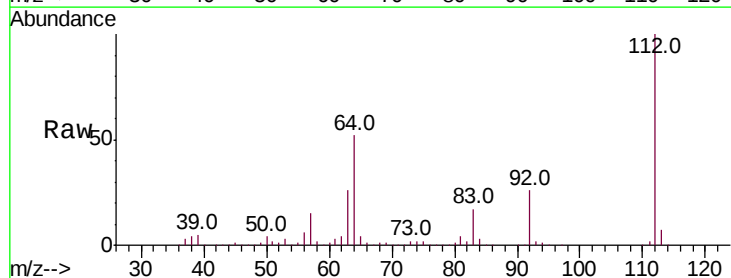
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



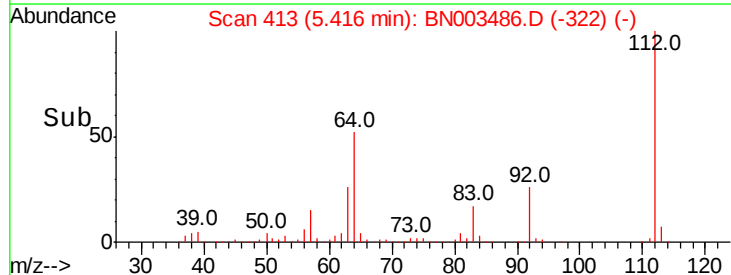
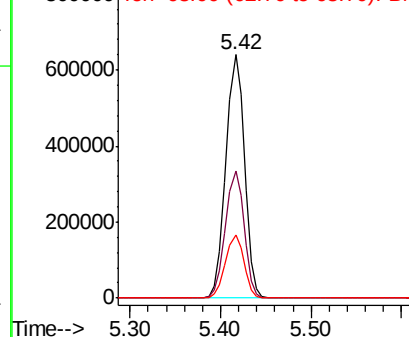
#5

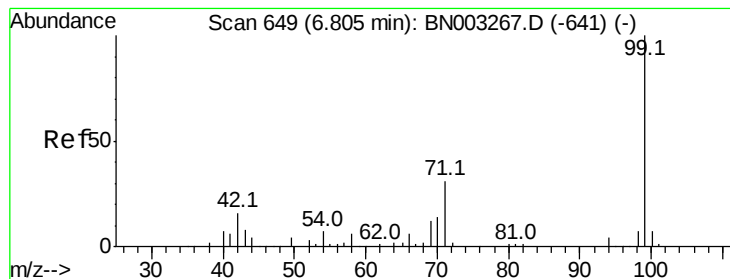
2-Fluorophenol
 Concen: 154.352 ng
 RT: 5.42 min Scan# 413
 Delta R.T. 0.01 min
 Lab File: BN003486.D
 Acq: 09 Nov 2018 23:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	46.6	69.8
63	25.8	23.8	35.8



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





#7

Phenol-d6

Concen: 148.216 ng

RT: 7.01 min Scan# 684

Delta R.T. 0.00 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

Instrument :

BNA_N

ClientSampleId :

EP2-SB-110(14-16)

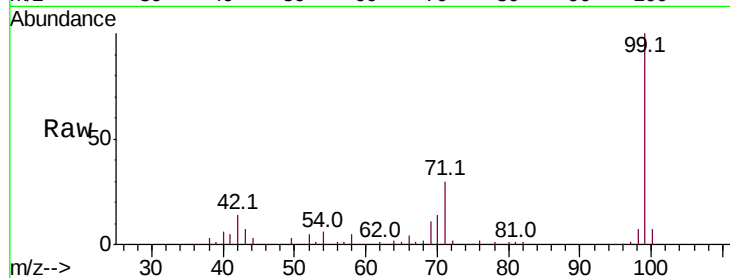
Tot Ion: 99 Resp: 1245035

Ion Ratio Lower Upper

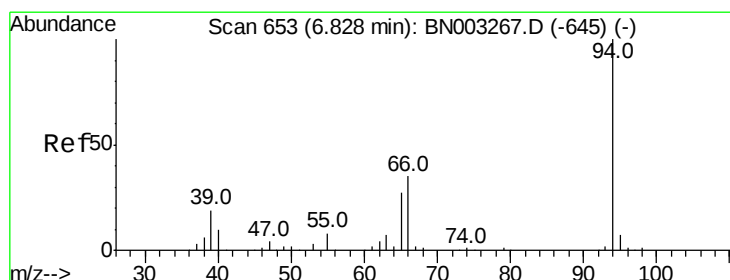
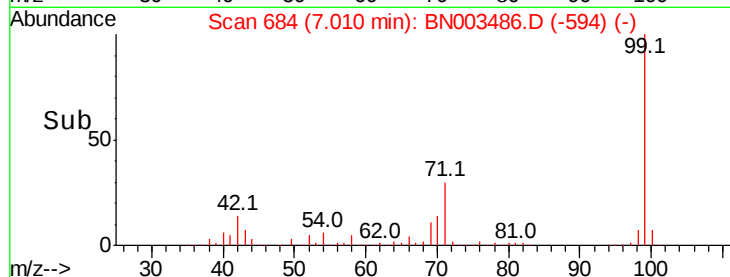
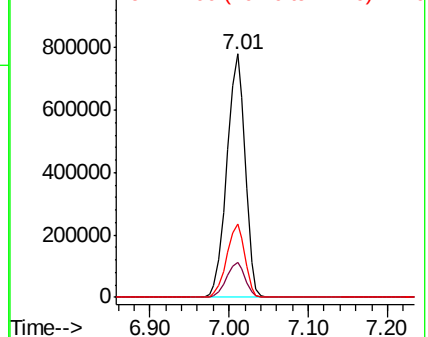
99 100

42 14.3 13.0 19.6

71 29.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#10

Phenol

Concen: 10.246 ng

RT: 7.03 min Scan# 688

Delta R.T. 0.00 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

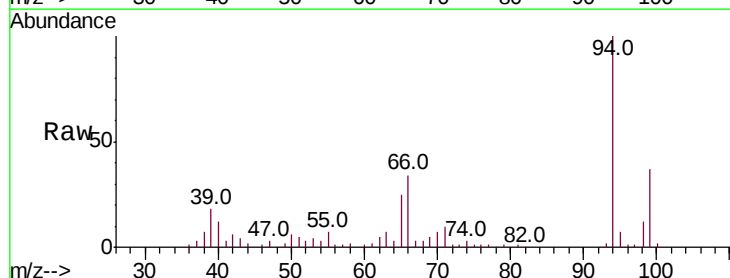
Tgt Ion: 94 Resp: 90822

Ion Ratio Lower Upper

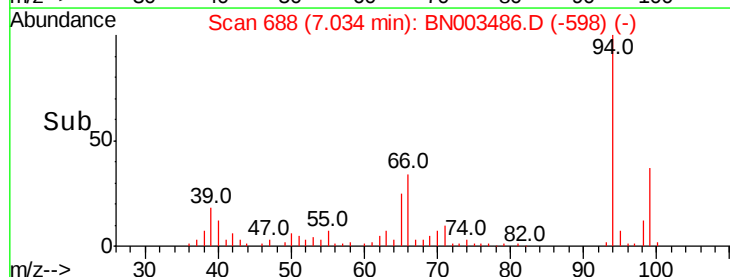
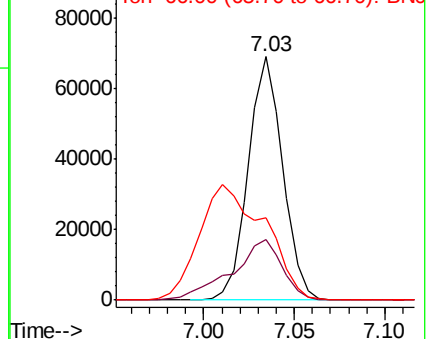
94 100

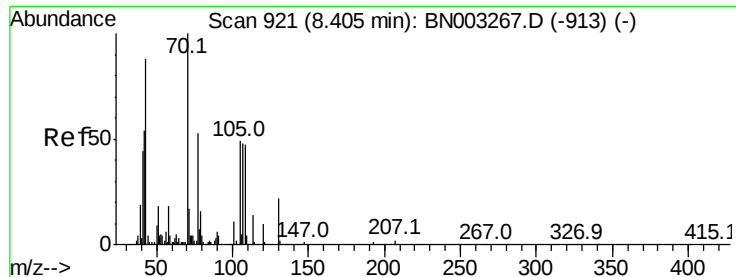
65 25.1 7.7 47.7

66 33.9 15.8 55.8



Abundance Ion 94.00 (93.70 to 94.70): BN0
Ion 65.00 (64.70 to 65.70): BN0
Ion 66.00 (65.70 to 66.70): BN0





#19

n-Nitroso-di-n-propylamine

Concen: 15.134 ng

RT: 9.02 min Scan# 1025

Delta R.T. 0.36 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

Instrument :

BNA_N

ClientSampleId :

EP2-SB-110(14-16)

Tot Ion: 70 Resp: 91672

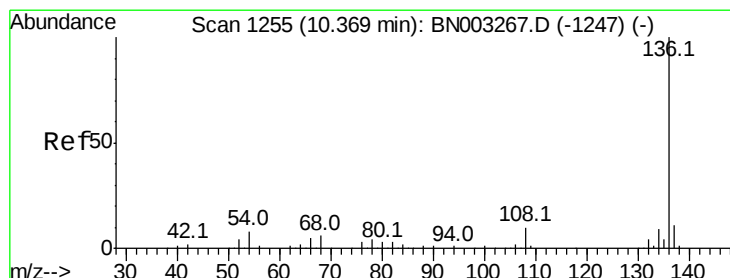
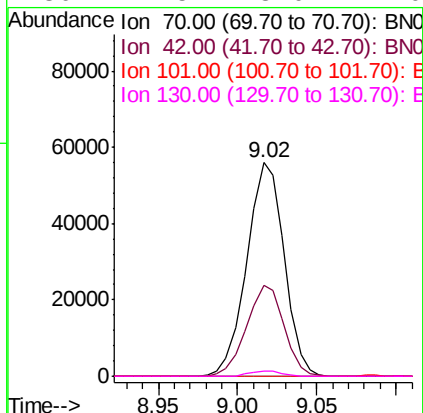
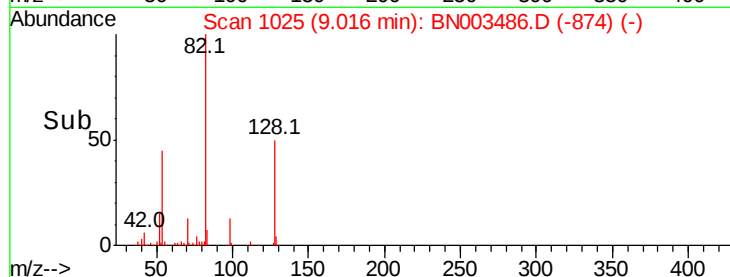
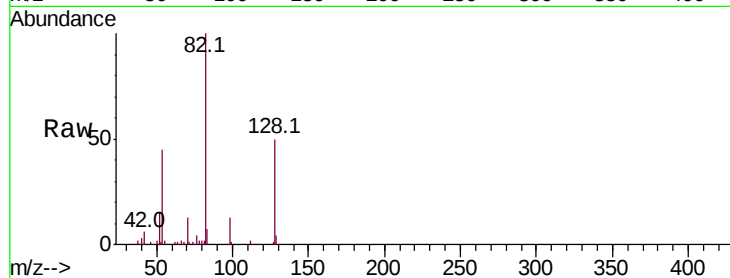
Ion Ratio Lower Upper

70 100

42 42.6 43.5 65.3#

101 0.0 8.6 12.8#

130 2.5 18.0 27.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.65 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

Tgt Ion: 136 Resp: 440038

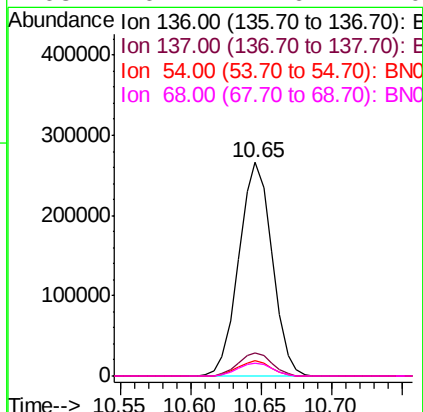
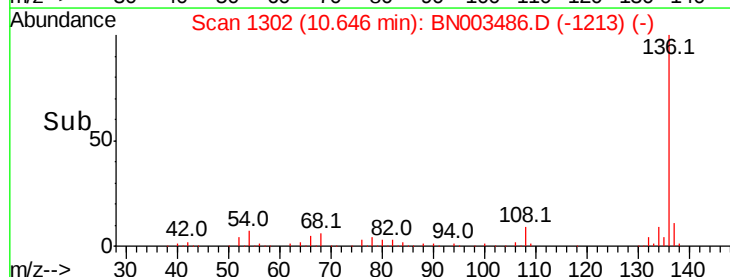
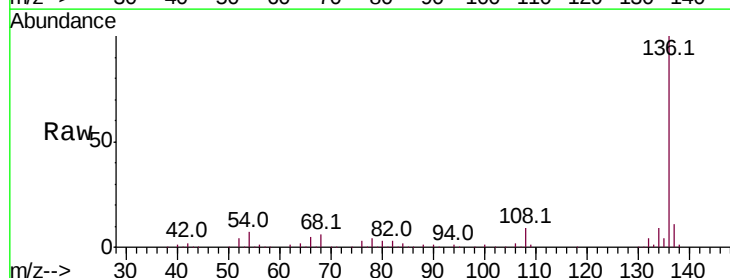
Ion Ratio Lower Upper

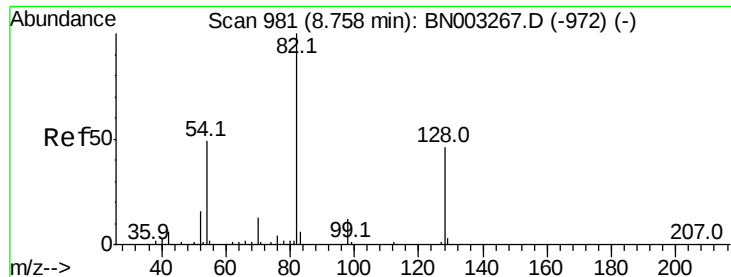
136 100

137 10.9 8.7 13.1

54 7.1 6.6 10.0

68 6.1 4.6 7.0

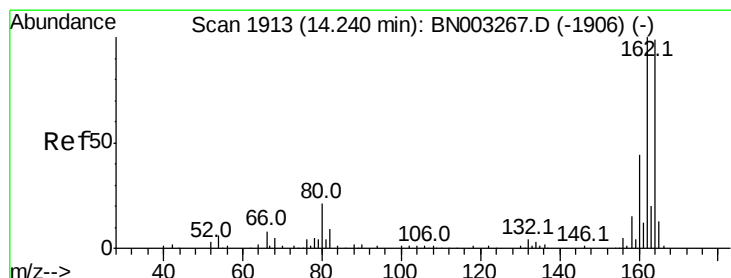
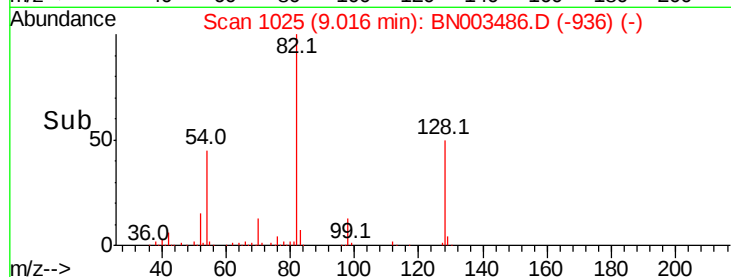
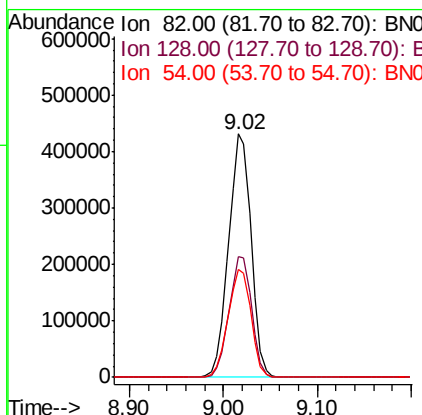
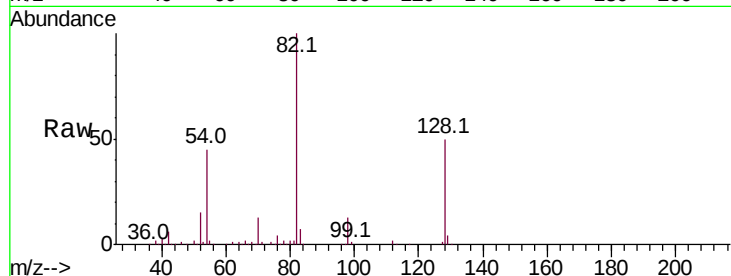




#23
Nitrobenzene-d5
Concen: 93.251 ng
RT: 9.02 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BN003486.D
Acq: 09 Nov 2018 23:27

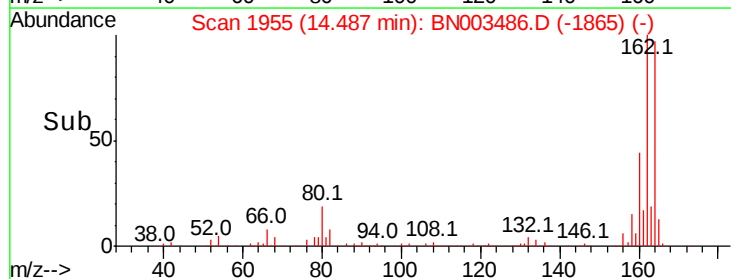
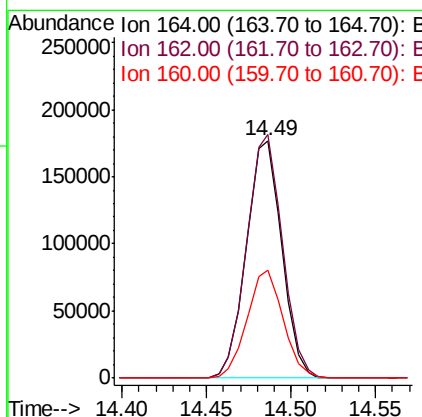
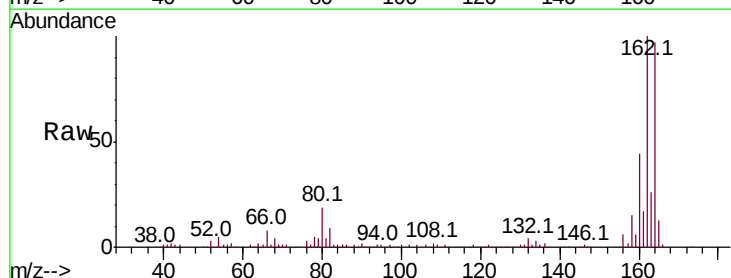
Instrument :
BNA_N
ClientSampleId :
EP2-SB-110(14-16)

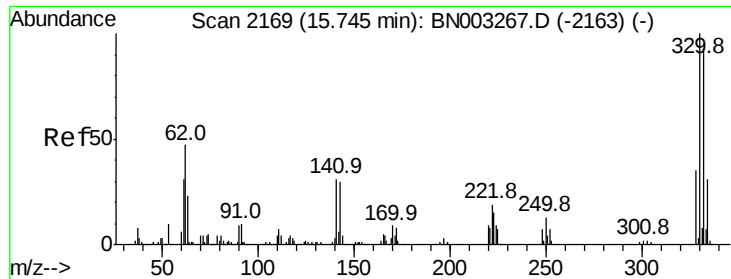
Tot Ion: 82 Resp: 715514
Ion Ratio Lower Upper
82 100
128 49.6 37.1 55.7
54 44.6 39.4 59.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.49 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BN003486.D
Acq: 09 Nov 2018 23:27

Tgt Ion:164 Resp: 258168
Ion Ratio Lower Upper
164 100
162 102.6 80.8 121.2
160 45.4 35.5 53.3

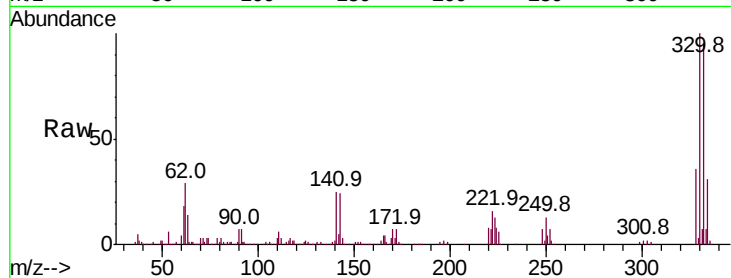




#42
 2,4,6-Tribromophenol
 Concen: 182.853 ng
 RT: 15.97 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: BN003486.D
 Acq: 09 Nov 2018 23:27

Instrument :
 BNA_N
 ClientSampleId :
 EP2-SB-110(14-16)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	26.7	24.5	36.7

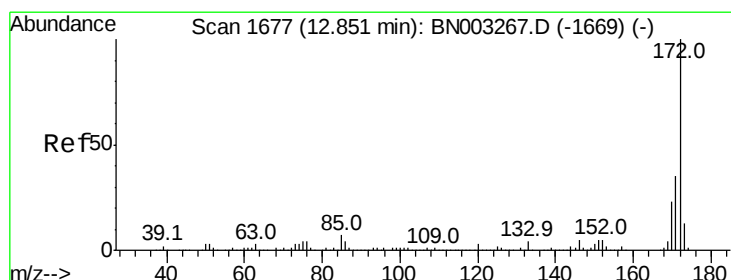
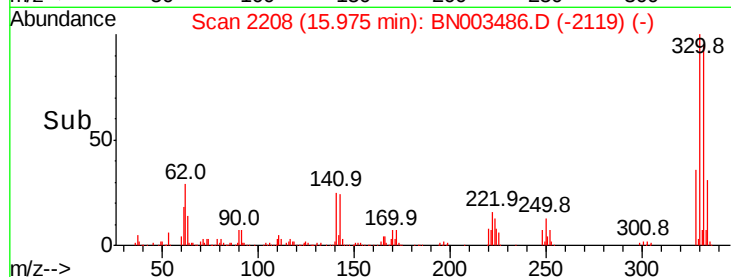
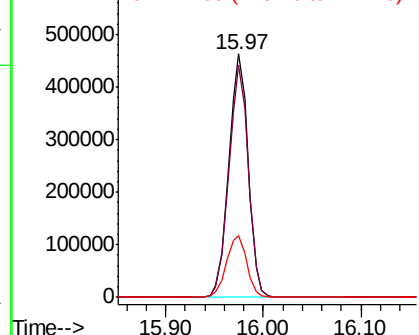


Abundance

Ion 329.80 (329.50 to 330.50): E

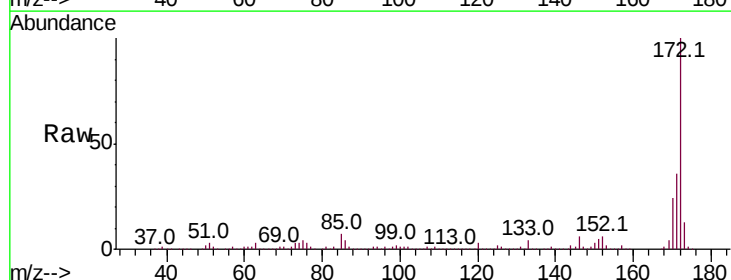
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.869 ng
 RT: 13.10 min Scan# 1720
 Delta R.T. -0.01 min
 Lab File: BN003486.D
 Acq: 09 Nov 2018 23:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.2	42.4
170	23.9	18.4	27.6

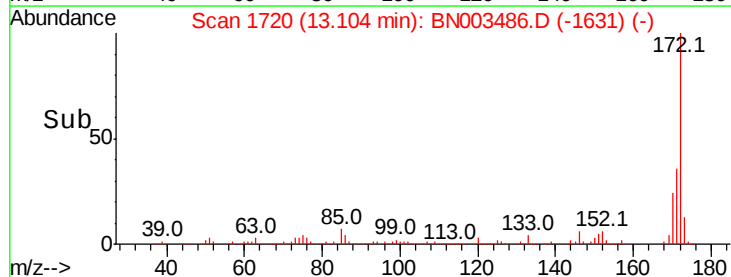
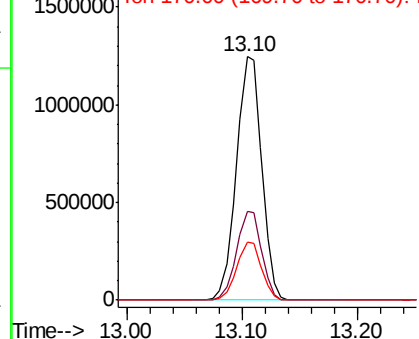


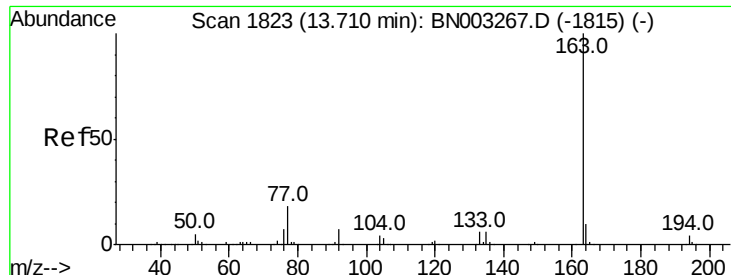
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 15.922 ng

RT: 13.93 min Scan# 1861

Delta R.T. -0.02 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

Instrument :

BNA_N

ClientSampleId :

EP2-SB-110(14-16)

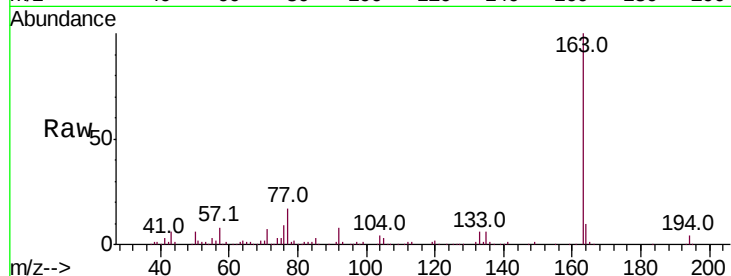
Tot Ion:163 Resp: 332360

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

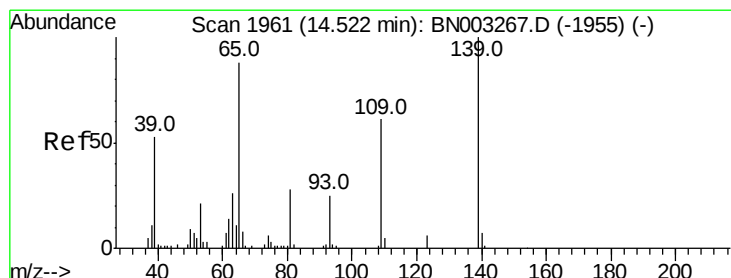
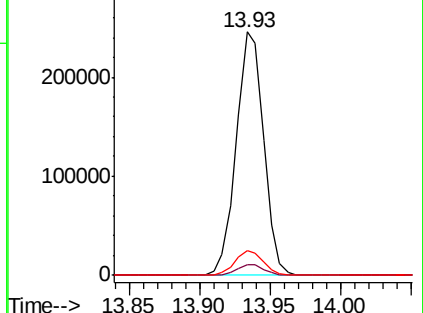
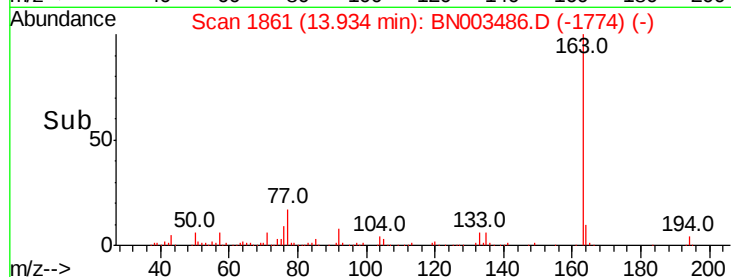
164 10.2 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

4-Nitrophenol

Concen: 5.513 ng

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

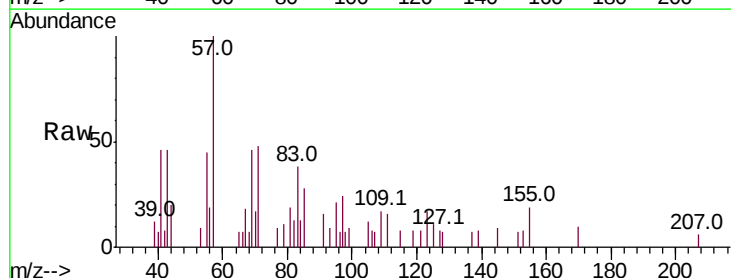
Tgt Ion:139 Resp: 365

Ion Ratio Lower Upper

139 100

109 210.2 40.7 80.7#

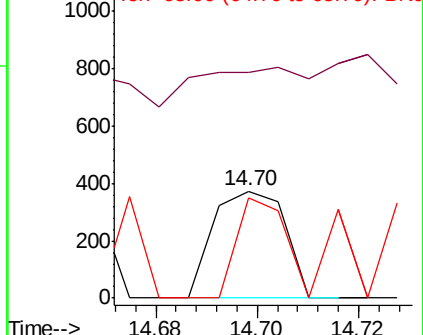
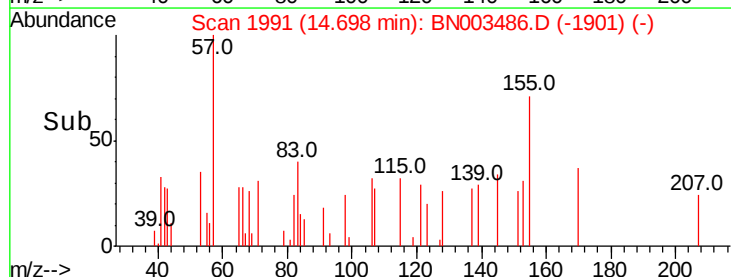
65 94.1 68.0 108.0

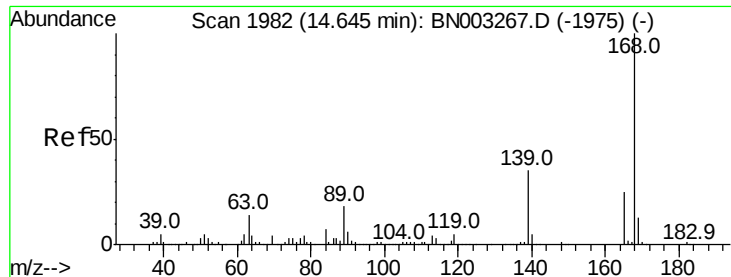


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC

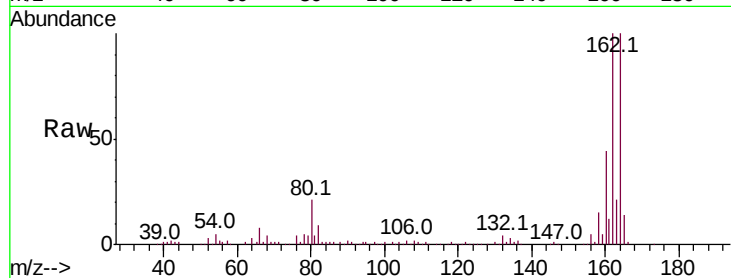




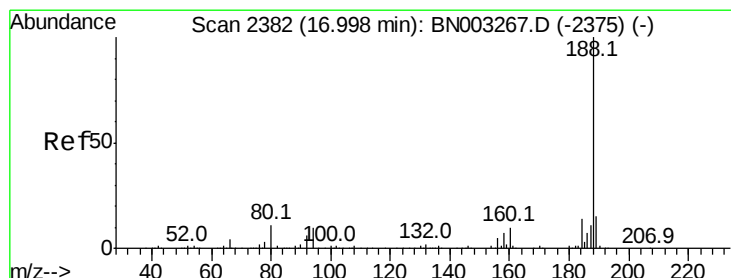
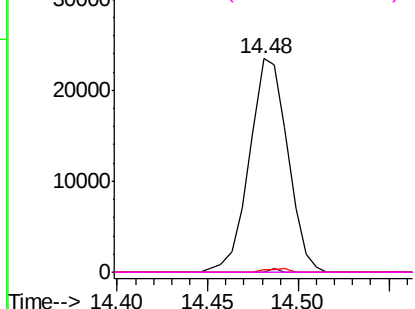
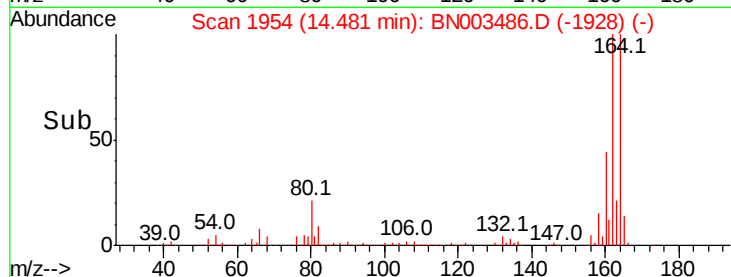
#57
 2,4-Dinitrotoluene
 Concen: 5.355 ng
 RT: 14.48 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BN003486.D
 Acq: 09 Nov 2018 23:27

Instrument :
 BNA_N
 ClientSampleId :
 EP2-SB-110(14-16)

Tot Ion:165 Resp: 34398
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.6#
 89 1.4 58.7 88.1#
 182 0.0 2.3 3.5#

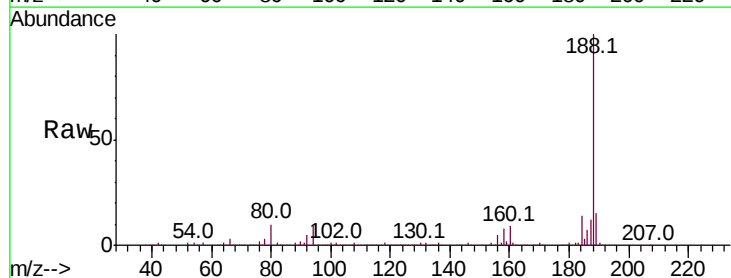


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC
 Ion 182.00 (181.70 to 182.70): E

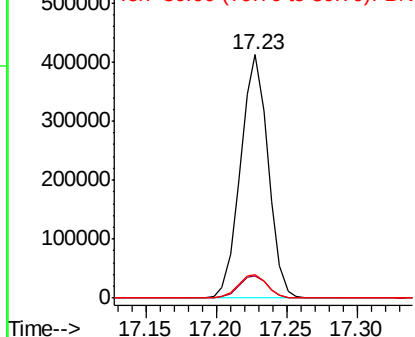
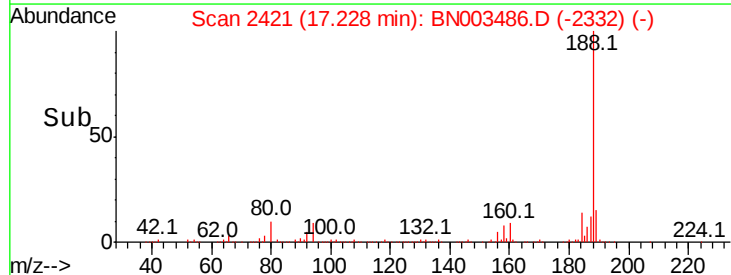


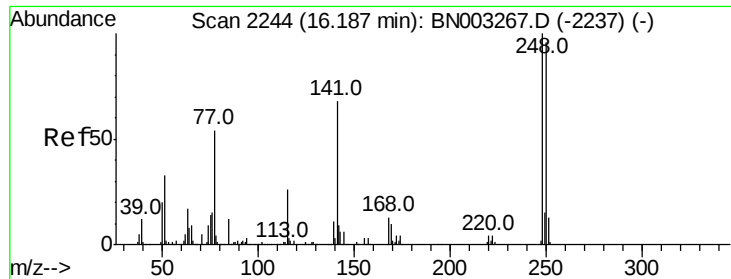
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.23 min Scan# 2421
 Delta R.T. -0.01 min
 Lab File: BN003486.D
 Acq: 09 Nov 2018 23:27

Tgt Ion:188 Resp: 563416
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.1 12.1
 80 9.9 8.6 13.0



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





#67

4-Bromophenyl-phenylether

Concen: 6.498 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

Instrument :

BNA_N

ClientSampleId :

EP2-SB-110(14-16)

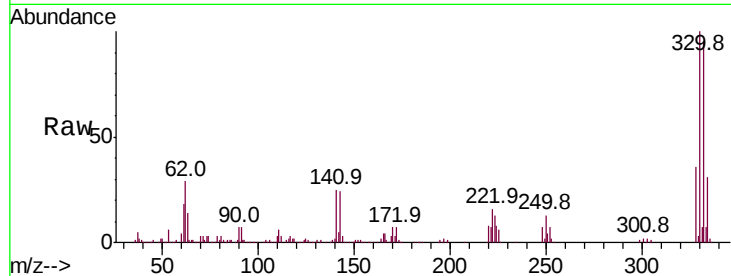
Tot Ion:248 Resp: 41235

Ion Ratio Lower Upper

248 100

250 196.4 76.4 114.6#

141 390.7 54.2 81.4#

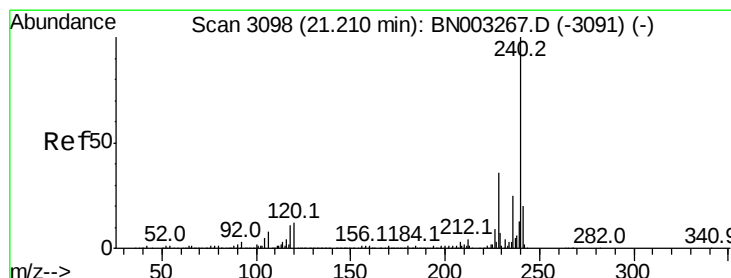
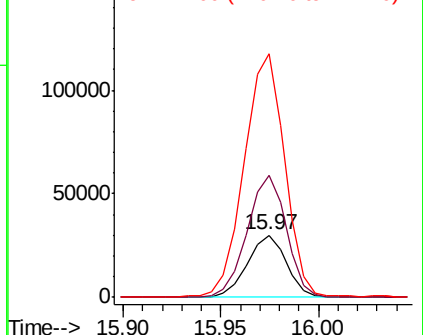
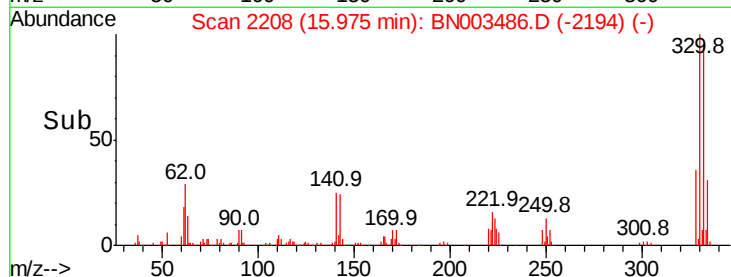


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.40 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

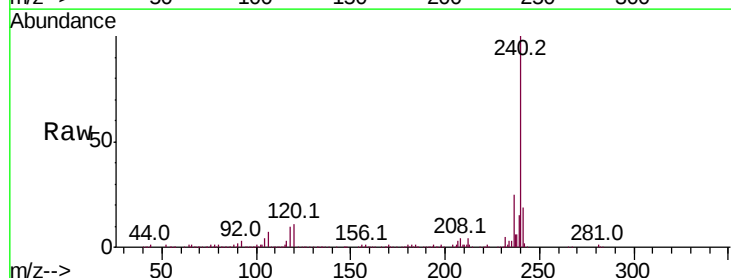
Tgt Ion:240 Resp: 472420

Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.0

236 25.2 20.3 30.5

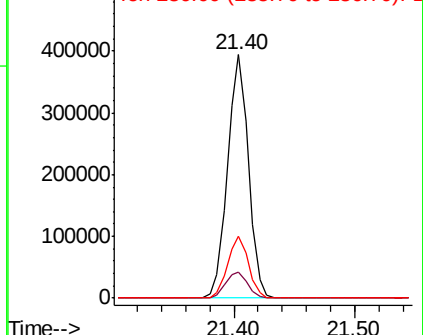
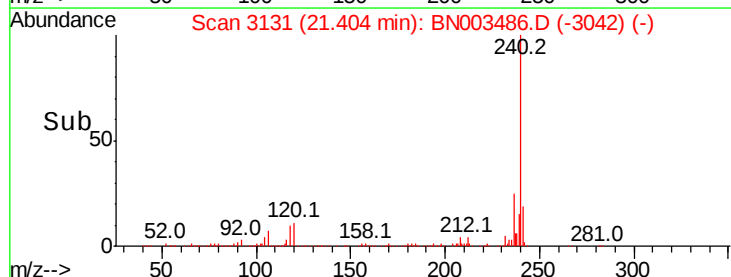


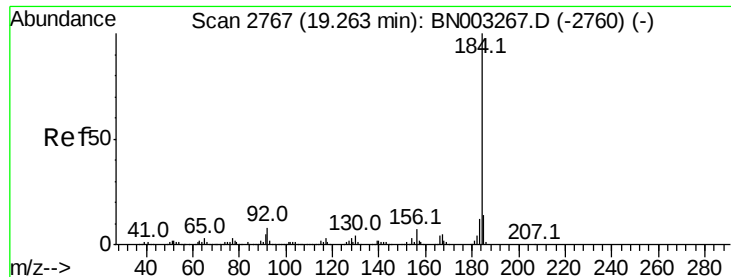
Abundance

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





#77

Benzidine

Concen: 2.228 ng

RT: 19.85 min Scan# 2866

Delta R.T. 0.37 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

Instrument :

BNA_N

ClientSampleId :

EP2-SB-110(14-16)

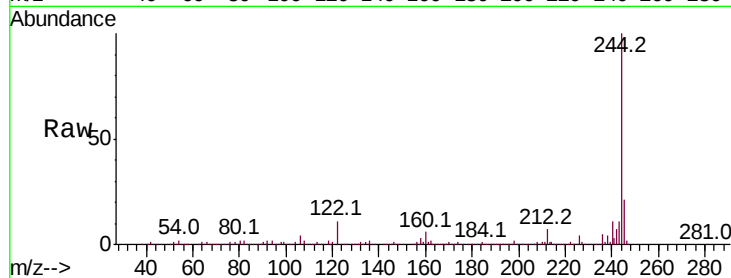
Tot Ion:184 Resp: 30818

Ion Ratio Lower Upper

184 100

185 16.5 11.5 17.3

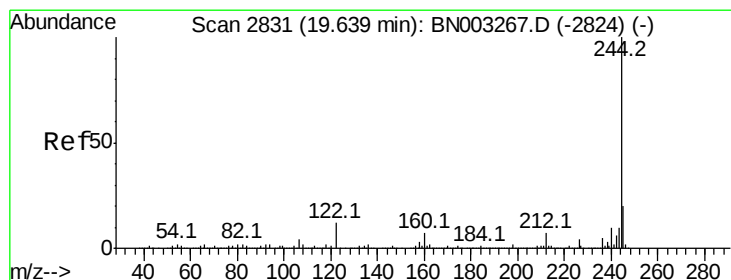
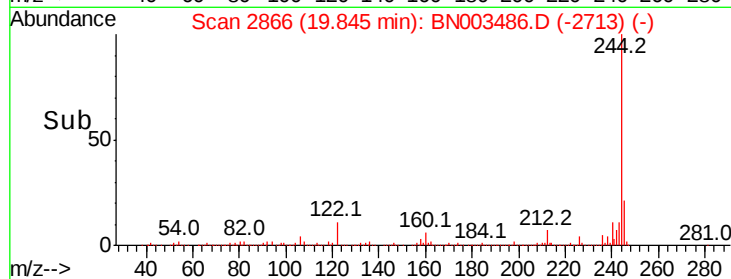
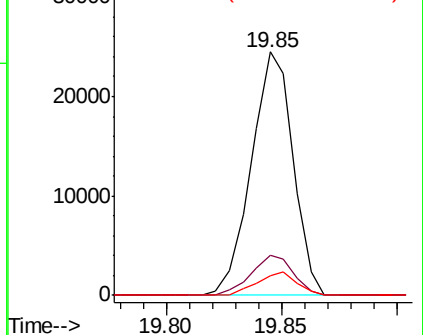
183 8.3 9.4 14.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 115.994 ng

RT: 19.85 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BN003486.D

Acq: 09 Nov 2018 23:27

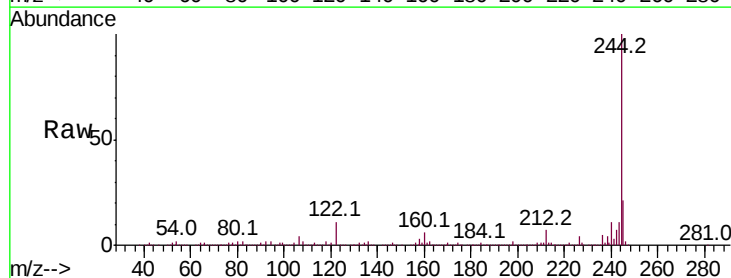
Tgt Ion:244 Resp: 2562387

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

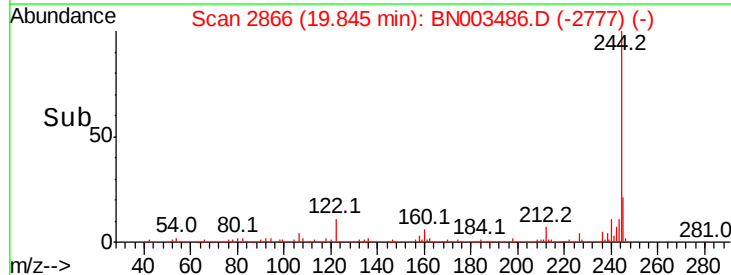
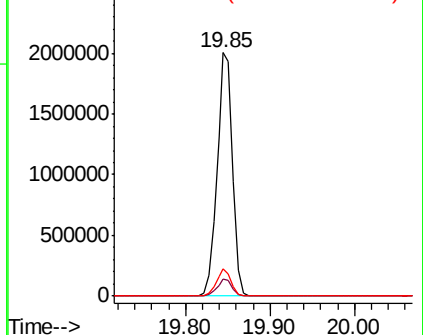
122 11.0 9.4 14.2

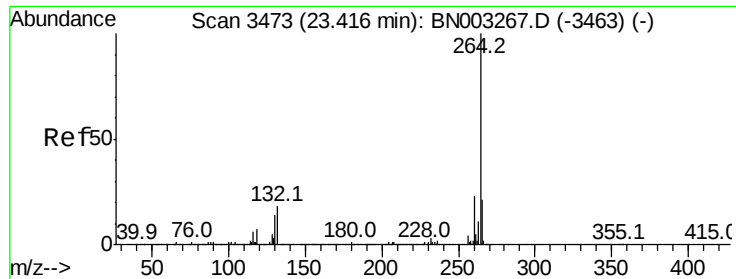


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

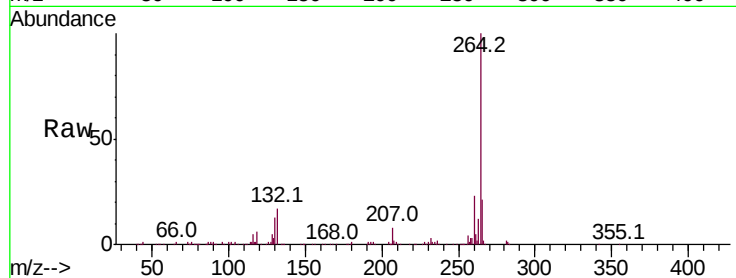




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.72 min Scan# 3525
 Delta R.T. -0.01 min
 Lab File: BN003486.D
 Acq: 09 Nov 2018 23:27

Instrument :
 BNA_N
 ClientSampleId :
 EP2-SB-110(14-16)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.4	16.6	25.0



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

