

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110918\
 Data File : BN003485.D
 Acq On : 09 Nov 2018 22:52
 Operator : MJ/SJ
 Sample : J5860-20
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EP2-SB-109(22-24)

Quant Time: Nov 12 03:22:00 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

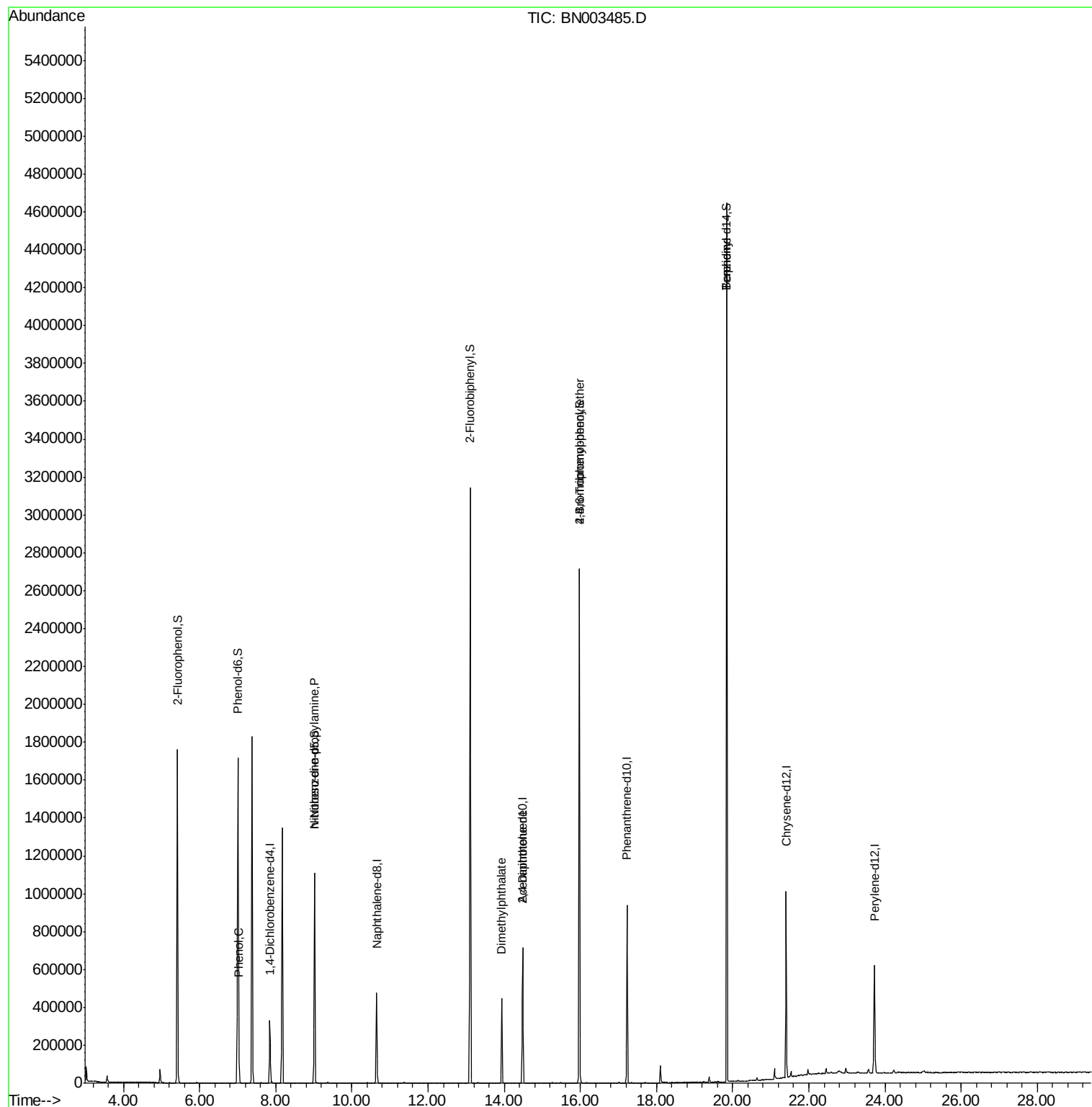
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	94069	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	407036	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	243882	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	540640	20.00	ng	0.00
76) Chrysene-d12	21.40	240	441686	20.00	ng	0.00
87) Perylene-d12	23.72	264	425715	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	790651	146.39	ng	0.00
7) Phenol-d6	7.01	99	1095543	142.65	ng	0.00
23) Nitrobenzene-d5	9.02	82	627806	88.45	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	573988	174.79	ng	0.00
45) 2-Fluorobiphenyl	13.10	172	1647062	91.61	ng	0.00
79) Terphenyl-d14	19.85	244	2227150	107.83	ng	0.00
Target Compounds						
10) Phenol	7.03	94	78195	9.649	ng	96
19) n-Nitroso-di-n-propylamine	9.02	70	79956	14.438	ng	# 75
50) Dimethylphthalate	13.93	163	295157	14.968	ng	99
57) 2,4-Dinitrotoluene	14.49	165	31021	5.112	ng	# 19
67) 4-Bromophenyl-phenylether	15.97	248	37296	6.125	ng	# 1
77) Benzidine	19.85	184	26533	2.052	ng	# 96

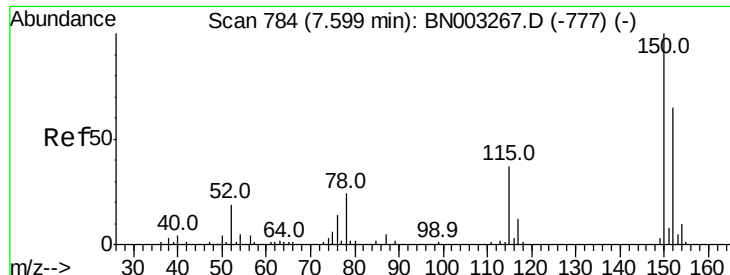
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_N
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EP2-SB-109(22-24)

Quant Time: Nov 12 03:22:00 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



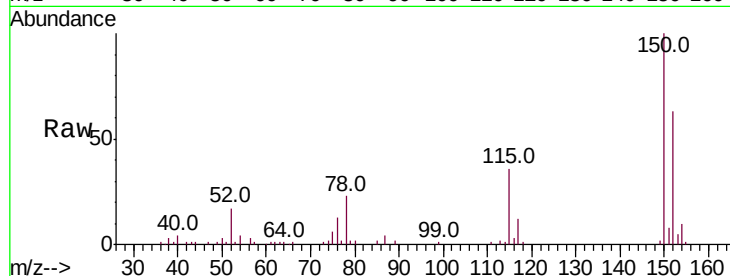


#1

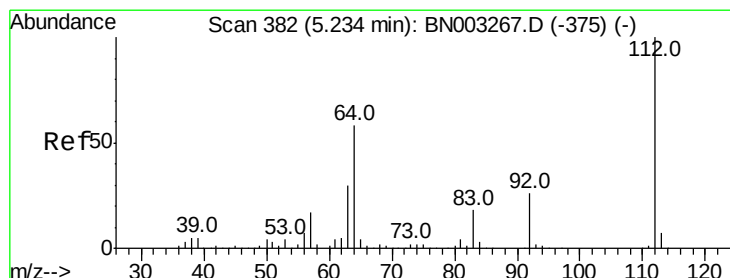
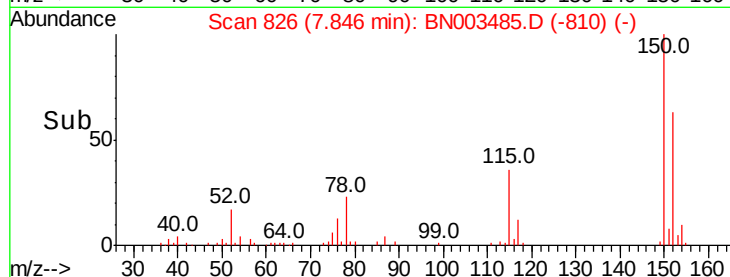
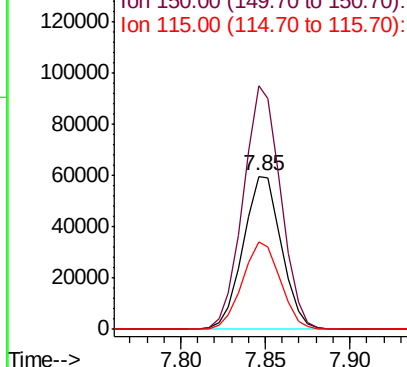
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN003485.D
Acq: 09 Nov 2018 22:52

Instrument :
BNA_N
ClientSampleId :
EP2-SB-109(22-24)

Tot Ion:152 Resp: 94069
Ion Ratio Lower Upper
152 100
150 158.9 123.8 185.8
115 57.4 45.9 68.9



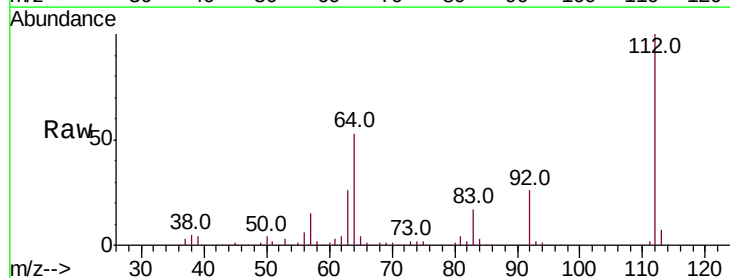
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



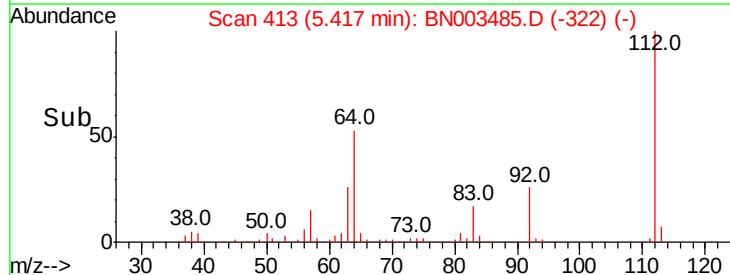
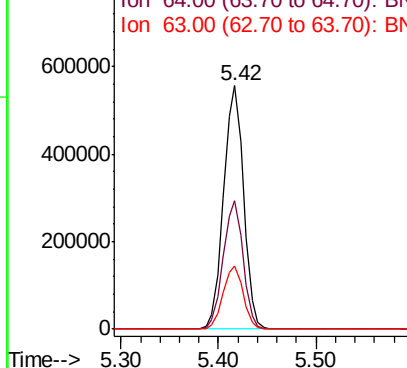
#5

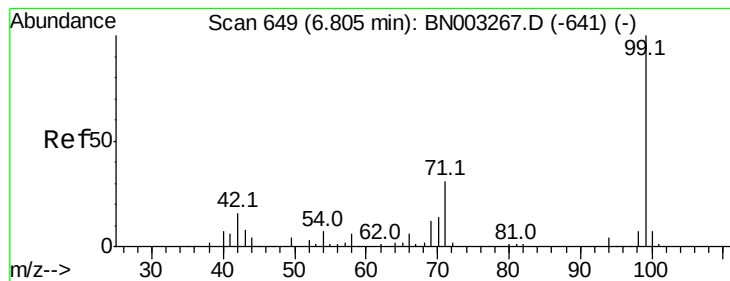
2-Fluorophenol
Concen: 146.394 ng
RT: 5.42 min Scan# 413
Delta R.T. 0.01 min
Lab File: BN003485.D
Acq: 09 Nov 2018 22:52

Tgt Ion:112 Resp: 790651
Ion Ratio Lower Upper
112 100
64 52.5 46.6 69.8
63 25.7 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: 142.654 ng

RT: 7.01 min Scan# 684

Delta R.T. 0.00 min

Lab File: BN003485.D

Acq: 09 Nov 2018 22:52

Instrument :

BNA_N

ClientSampleId :

EP2-SB-109(22-24)

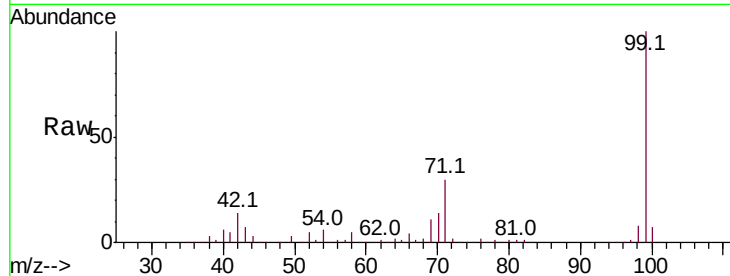
Tot Ion: 99 Resp: 1095543

Ion Ratio Lower Upper

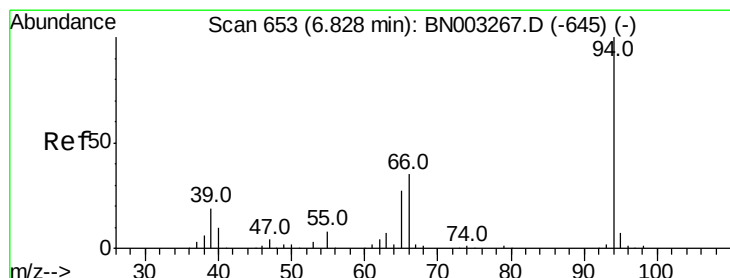
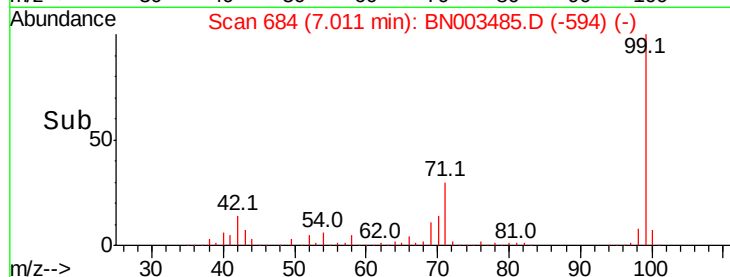
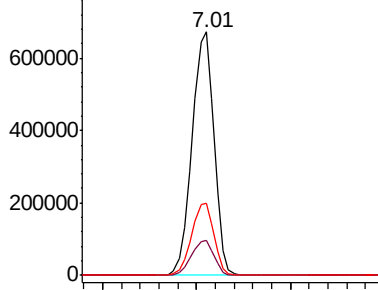
99 100

42 14.3 13.0 19.6

71 29.6 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: 9.649 ng

RT: 7.03 min Scan# 688

Delta R.T. 0.00 min

Lab File: BN003485.D

Acq: 09 Nov 2018 22:52

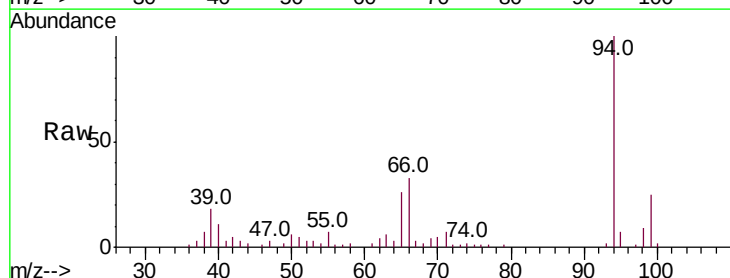
Tgt Ion: 94 Resp: 78195

Ion Ratio Lower Upper

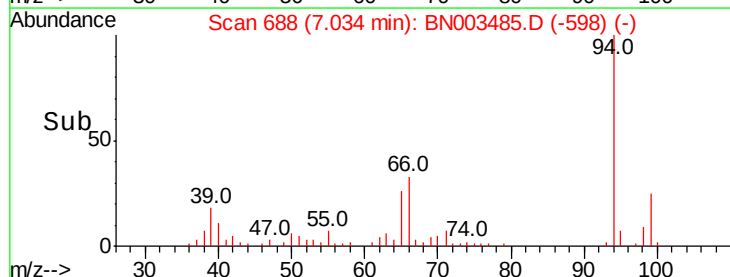
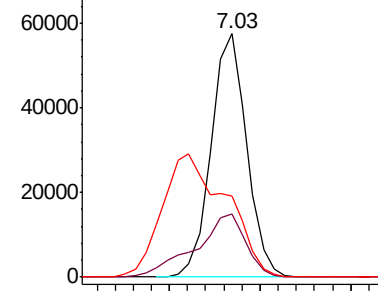
94 100

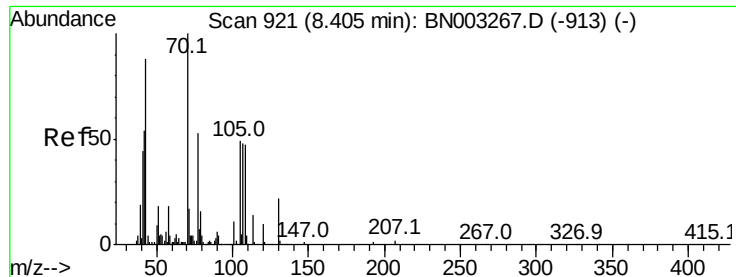
65 25.7 7.7 47.7

66 33.3 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: 14.438 ng

RT: 9.02 min Scan# 1025

Delta R.T. 0.36 min

Lab File: BN003485.D

Acq: 09 Nov 2018 22:52

Instrument :

BNA_N

ClientSampleId :

EP2-SB-109(22-24)

Tot Ion: 70 Resp: 79956

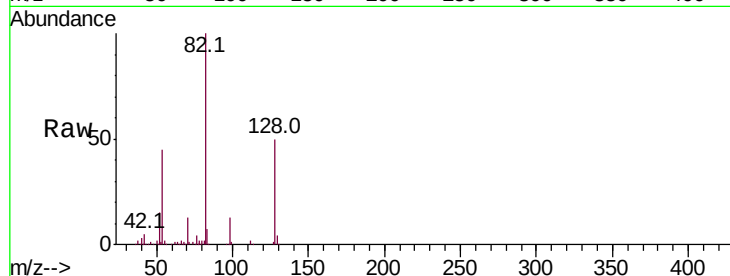
Ion Ratio Lower Upper

70 100

42 42.2 43.5 65.3#

101 0.0 8.6 12.8#

130 2.6 18.0 27.0#

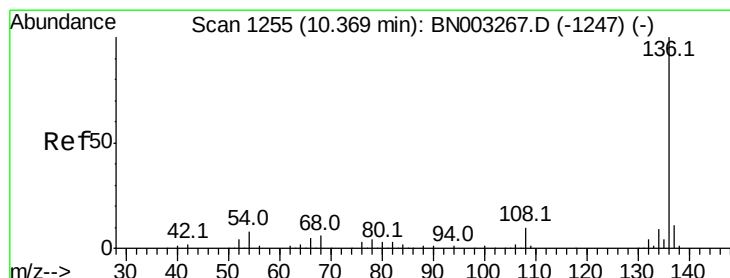
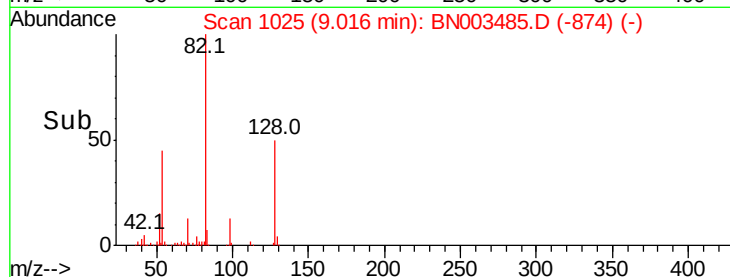
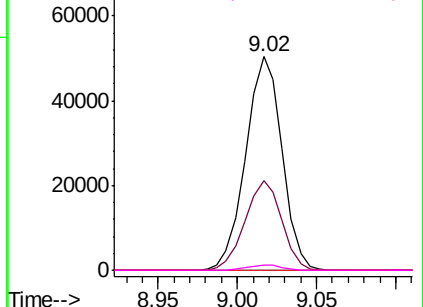


Abundance Ion 70.00 (69.70 to 70.70): BN003267.D (-913) (-)

Ion 42.00 (41.70 to 42.70): BN003267.D (-913) (-)

Ion 101.00 (100.70 to 101.70): BN003267.D (-913) (-)

Ion 130.00 (129.70 to 130.70): BN003267.D (-913) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.65 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN003485.D

Acq: 09 Nov 2018 22:52

Tgt Ion: 136 Resp: 407036

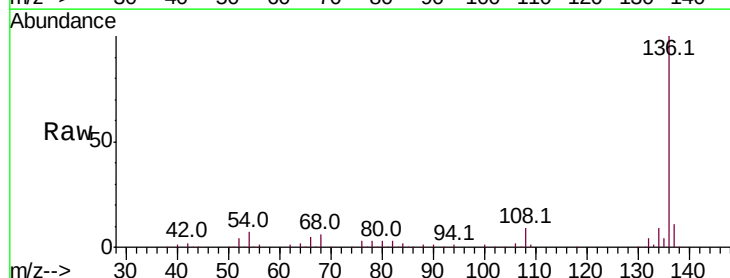
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.2 6.6 10.0

68 5.9 4.6 7.0

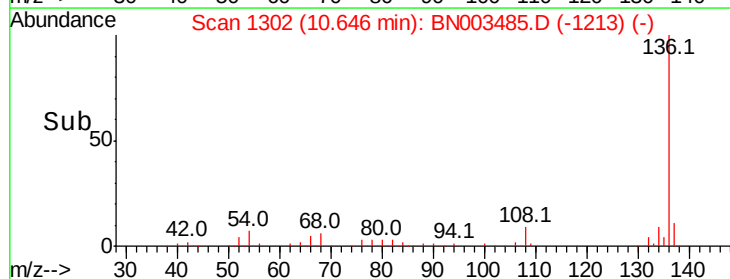
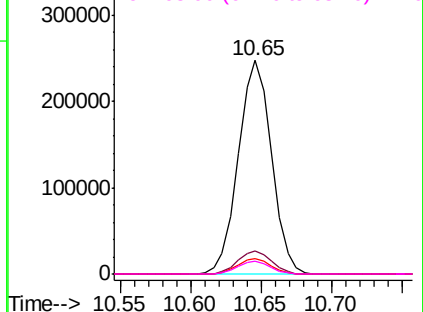


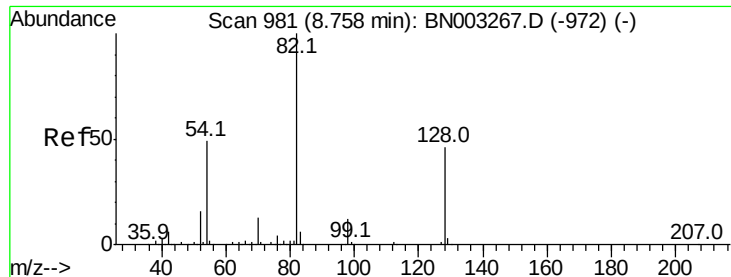
Abundance Ion 136.00 (135.70 to 136.70): BN003267.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BN003267.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BN003267.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BN003267.D (-1247) (-)

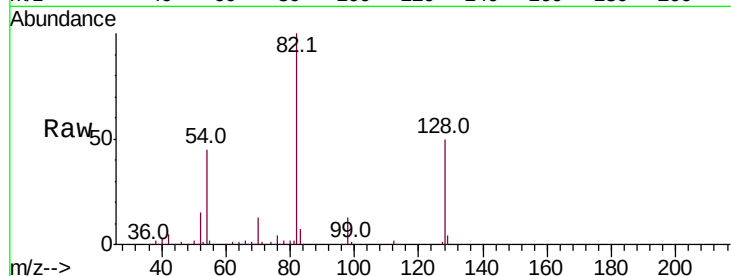




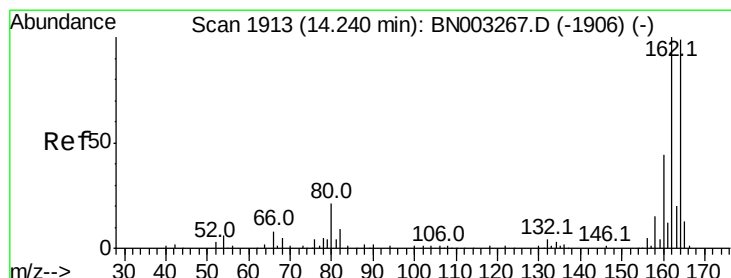
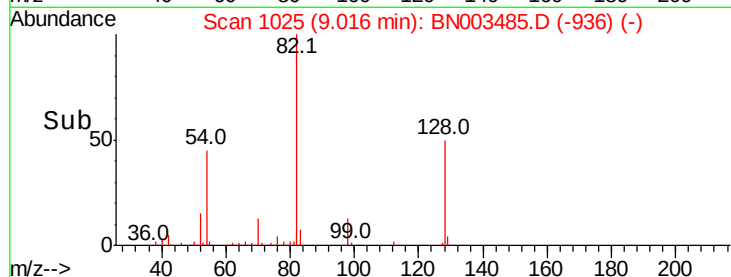
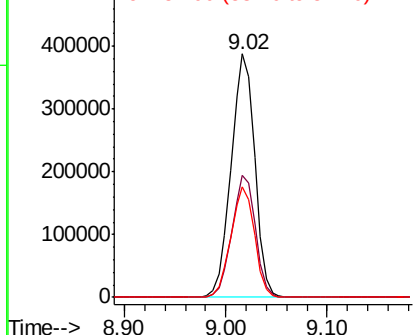
#23
Nitrobenzene-d5
Concen: 88.455 ng
RT: 9.02 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BN003485.D
Acq: 09 Nov 2018 22:52

Instrument :
BNA_N
ClientSampleId :
EP2-SB-109(22-24)

Tot Ion: 82 Resp: 627806
Ion Ratio Lower Upper
82 100
128 50.0 37.1 55.7
54 45.1 39.4 59.2

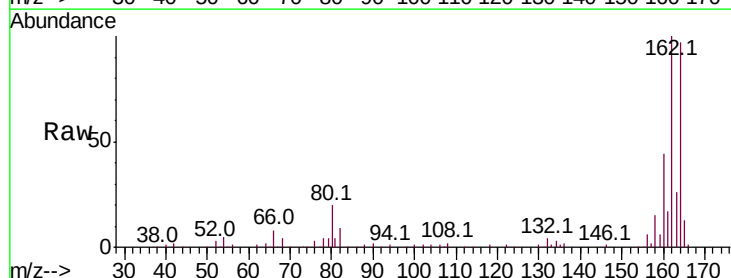


Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BN0

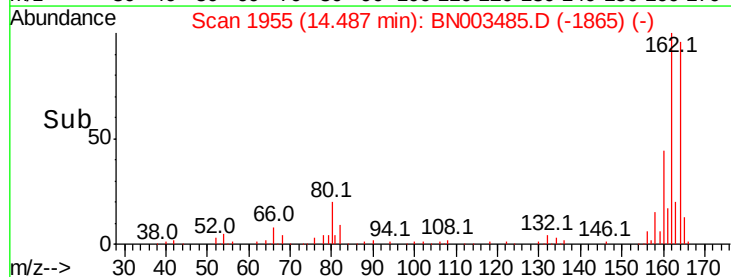
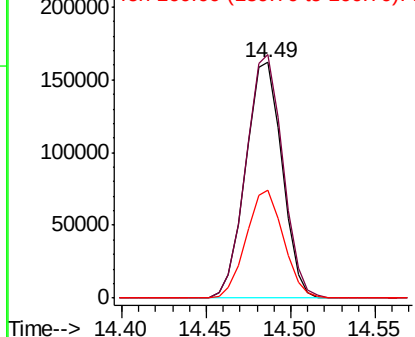


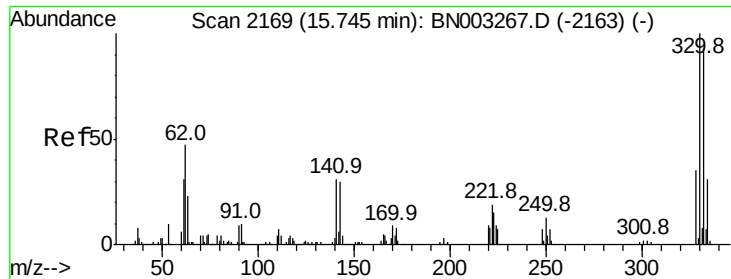
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.49 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BN003485.D
Acq: 09 Nov 2018 22:52

Tgt Ion:164 Resp: 243882
Ion Ratio Lower Upper
164 100
162 103.4 80.8 121.2
160 45.7 35.5 53.3



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

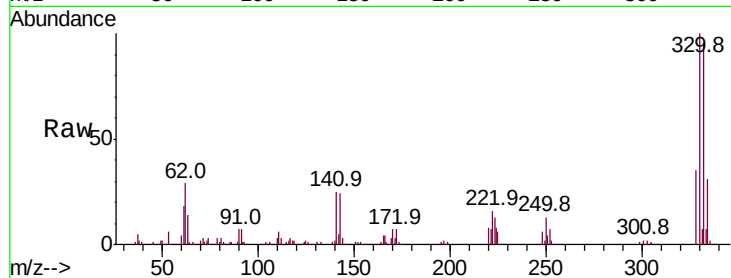




#42
 2,4,6-Tribromophenol
 Concen: 174.786 ng
 RT: 15.97 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: BN003485.D
 Acq: 09 Nov 2018 22:52

Instrument :
 BNA_N
 ClientSampleId :
 EP2-SB-109(22-24)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	114.8
141	26.6	24.5	36.7

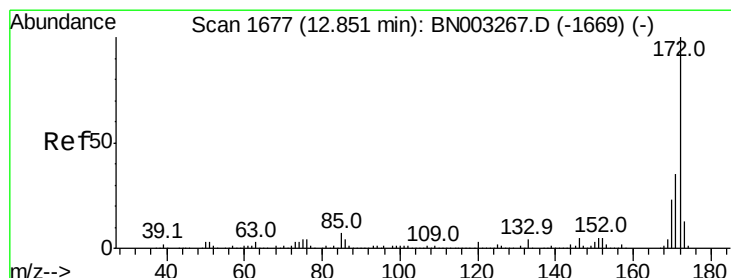
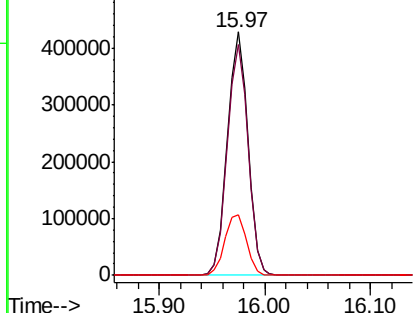
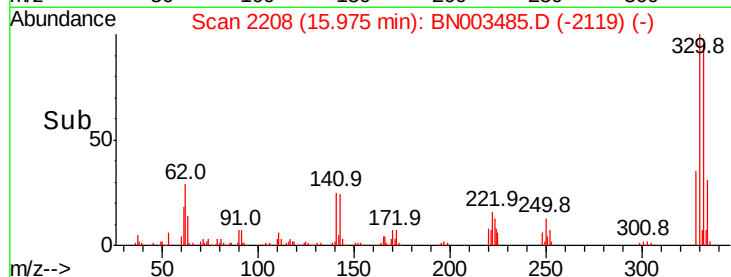


Abundance

Ion 329.80 (329.50 to 330.50): E

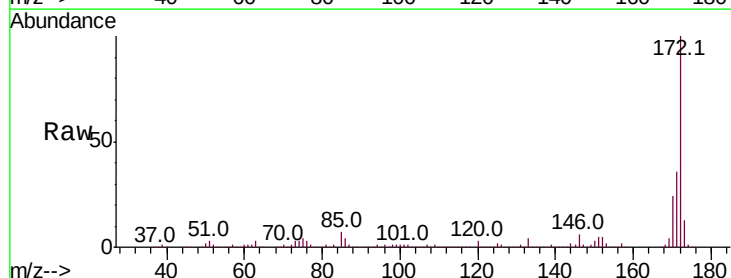
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.606 ng
 RT: 13.10 min Scan# 1720
 Delta R.T. -0.01 min
 Lab File: BN003485.D
 Acq: 09 Nov 2018 22:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.4
170	23.7	18.4	27.6

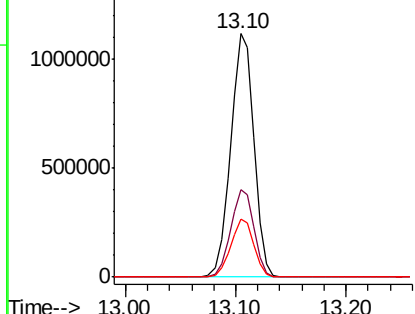
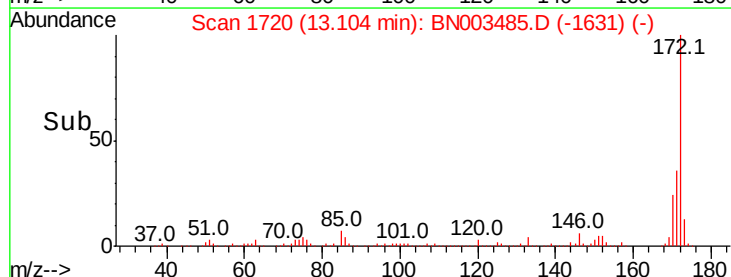


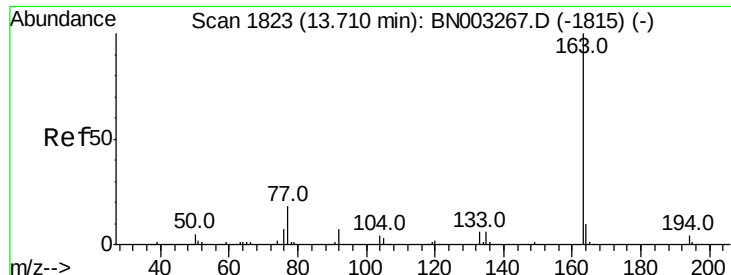
Abundance

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: 14.968 ng

RT: 13.93 min Scan# 1861

Delta R.T. -0.02 min

Lab File: BN003485.D

Acq: 09 Nov 2018 22:52

Instrument :

BNA_N

ClientSampleId :

EP2-SB-109(22-24)

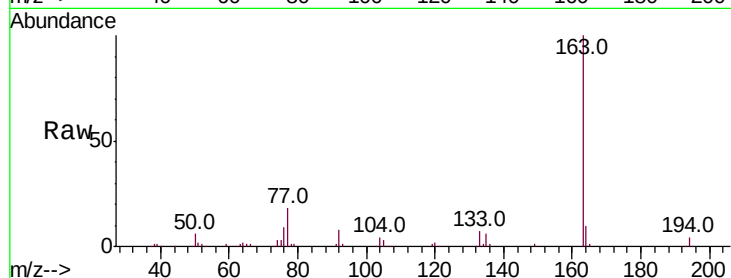
Tot Ion:163 Resp: 295157

Ion Ratio Lower Upper

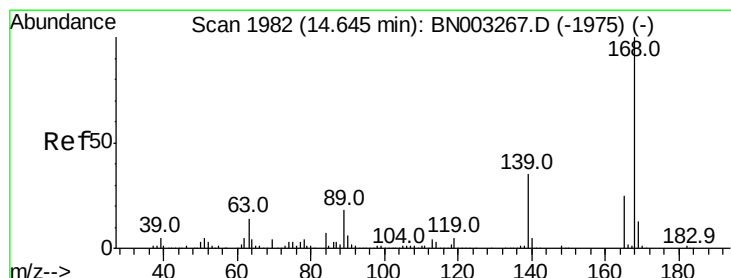
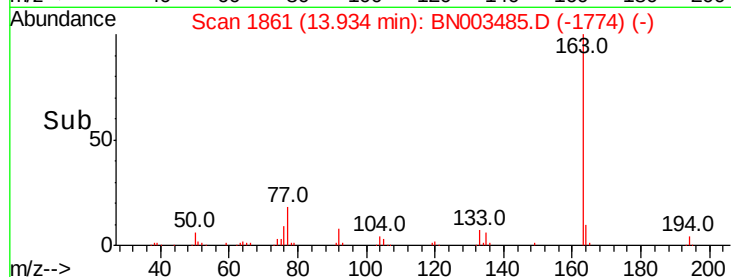
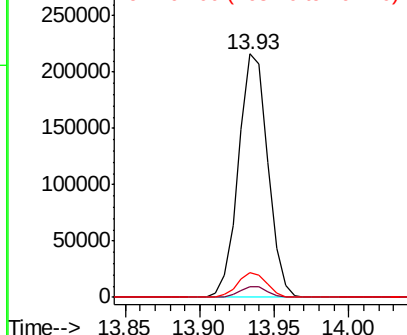
163 100

194 4.5 3.4 5.2

164 10.4 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



#57

2,4-Dinitrotoluene

Concen: 5.112 ng

RT: 14.49 min Scan# 1955

Delta R.T. -0.37 min

Lab File: BN003485.D

Acq: 09 Nov 2018 22:52

Tgt Ion:165 Resp: 31021

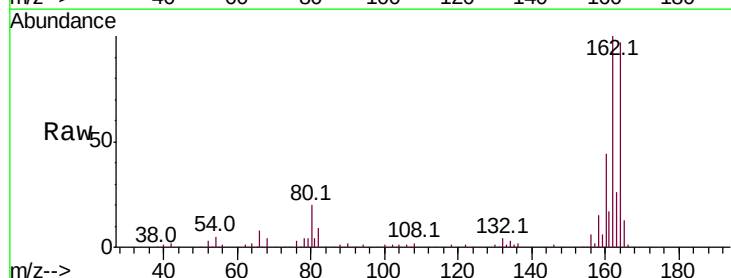
Ion Ratio Lower Upper

165 100

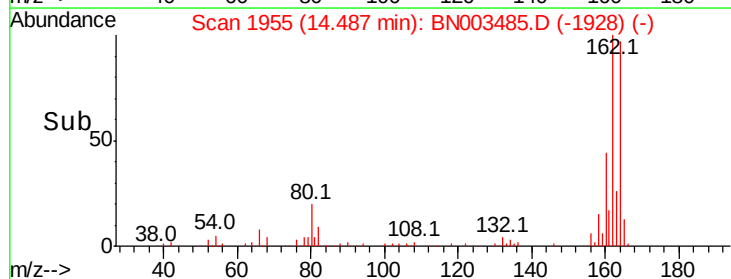
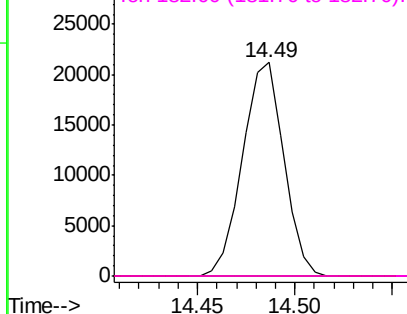
63 0.0 45.8 68.6#

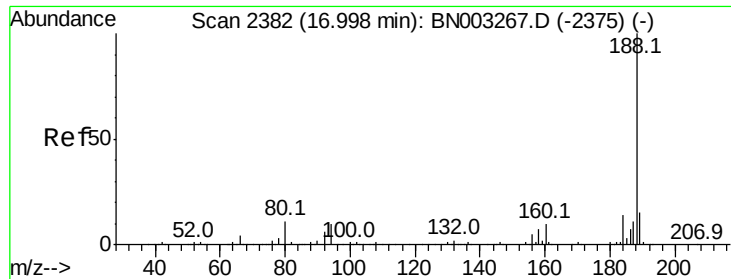
89 0.0 58.7 88.1#

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: BN003485.D

Acq: 09 Nov 2018 22:52

Instrument :

BNA_N

ClientSampleId :

EP2-SB-109(22-24)

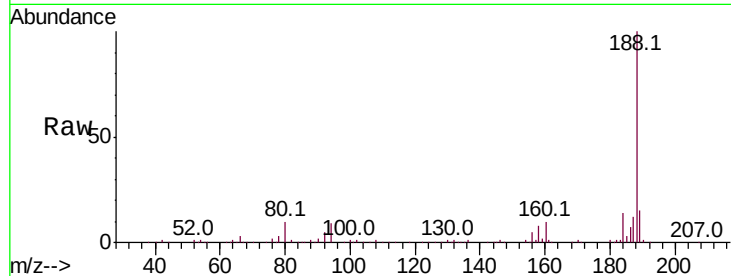
Tot Ion:188 Resp: 540640

Ion Ratio Lower Upper

188 100

94 9.3 8.1 12.1

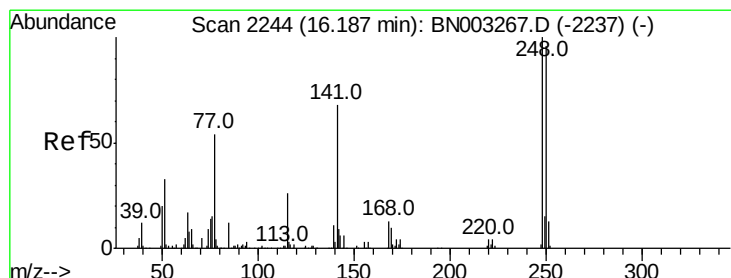
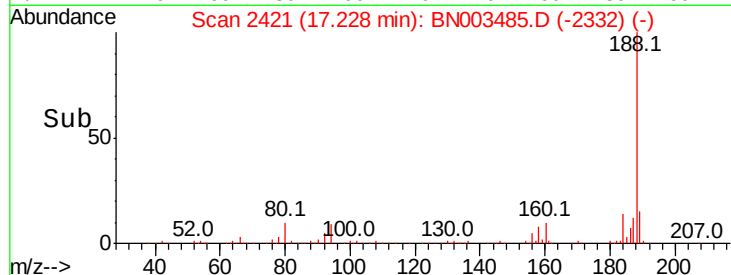
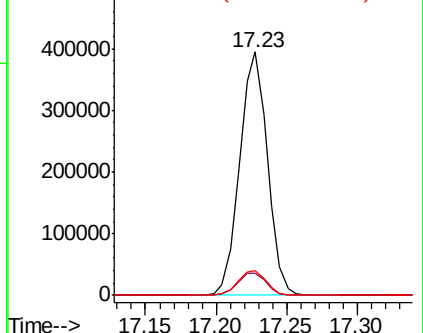
80 10.2 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#67

4-Bromophenyl-phenylether

Concen: 6.125 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003485.D

Acq: 09 Nov 2018 22:52

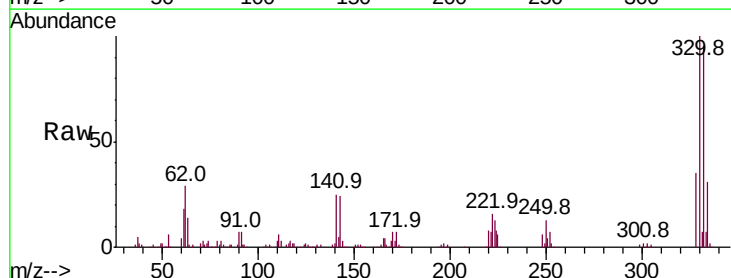
Tgt Ion:248 Resp: 37296

Ion Ratio Lower Upper

248 100

250 200.9 76.4 114.6#

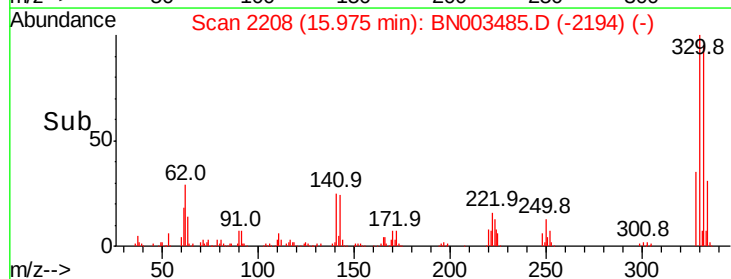
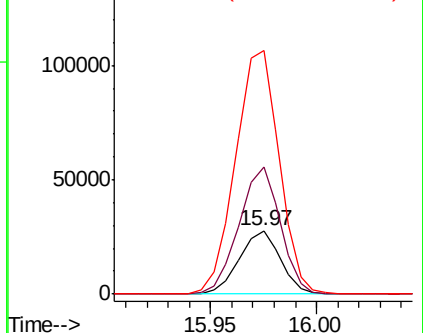
141 385.4 54.2 81.4#

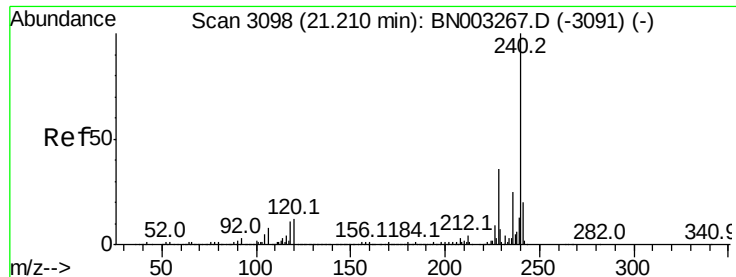


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

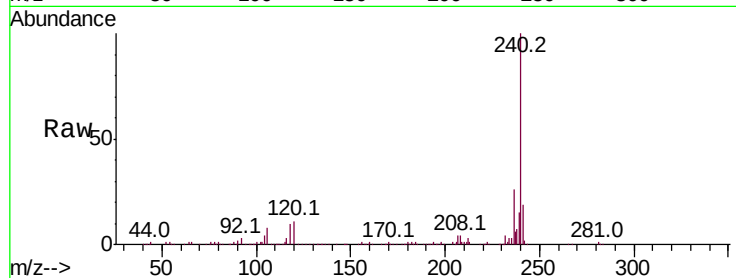




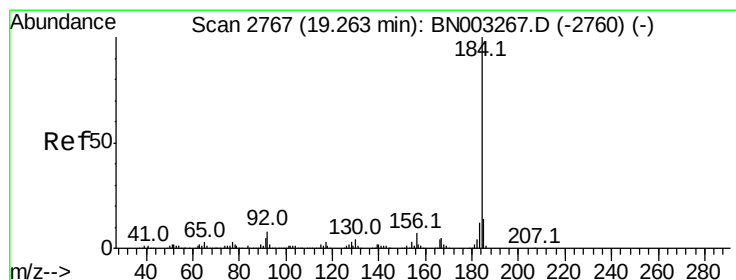
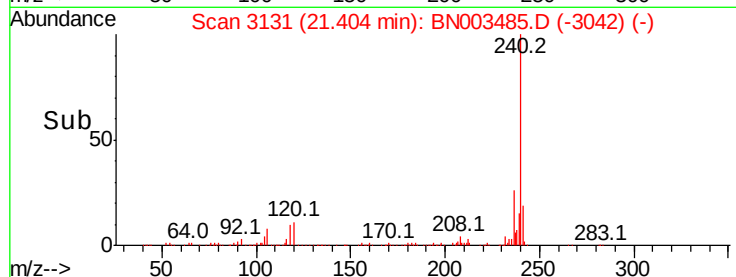
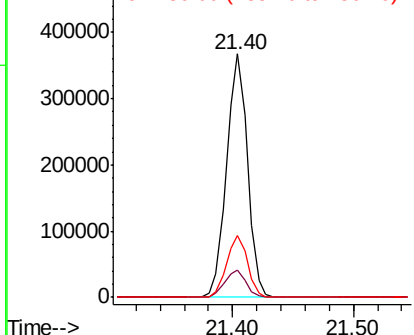
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BN003485.D
Acq: 09 Nov 2018 22:52

Instrument :
BNA_N
ClientSampleId :
EP2-SB-109(22-24)

Tot Ion:240 Resp: 441686
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.0
236 25.7 20.3 30.5

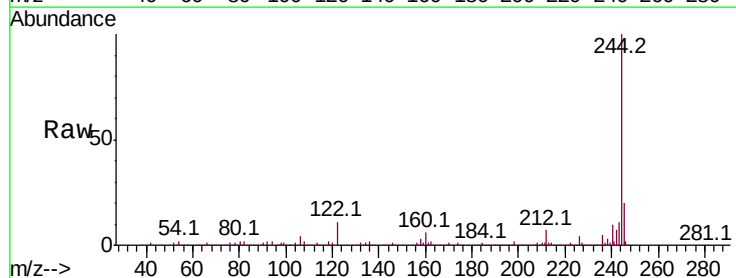


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

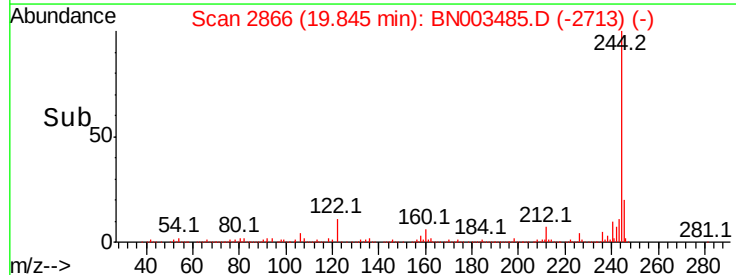
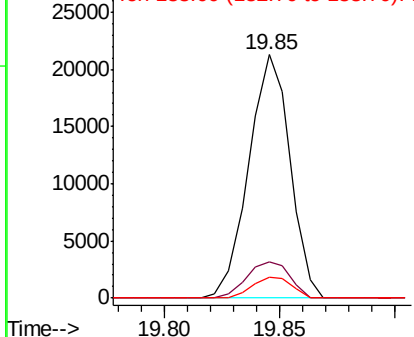


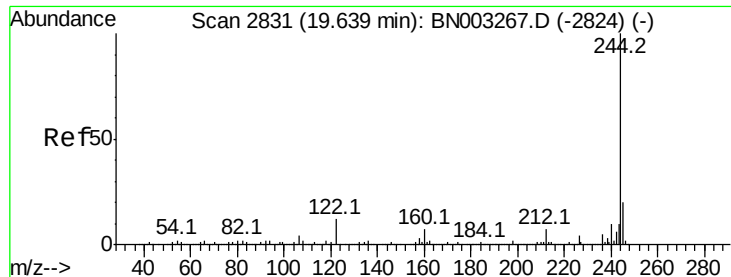
#77
Benzidine
Concen: 2.052 ng
RT: 19.85 min Scan# 2866
Delta R.T. 0.37 min
Lab File: BN003485.D
Acq: 09 Nov 2018 22:52

Tgt Ion:184 Resp: 26533
Ion Ratio Lower Upper
184 100
185 15.1 11.5 17.3
183 8.7 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: 107.834 ng

RT: 19.85 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BN003485.D

Acq: 09 Nov 2018 22:52

Instrument :

BNA_N

ClientSampleId :

EP2-SB-109(22-24)

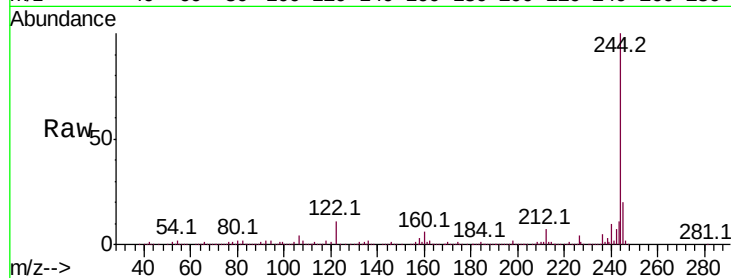
Tot Ion:244 Resp: 2227150

Ion Ratio Lower Upper

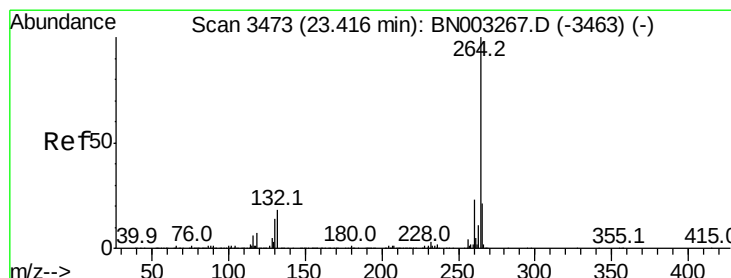
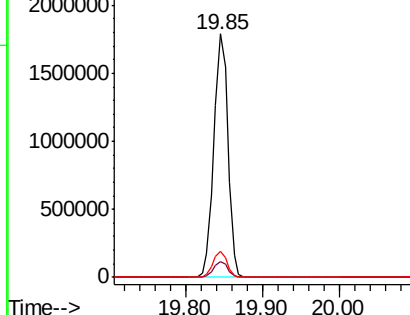
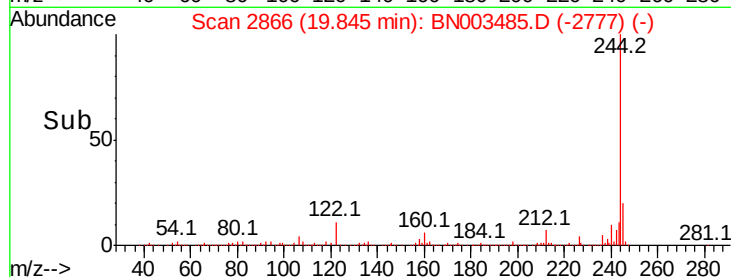
244 100

212 6.6 5.4 8.0

122 10.8 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

Perylene-d12

Concen: 20.000 ng

RT: 23.72 min Scan# 3525

Delta R.T. -0.01 min

Lab File: BN003485.D

Acq: 09 Nov 2018 22:52

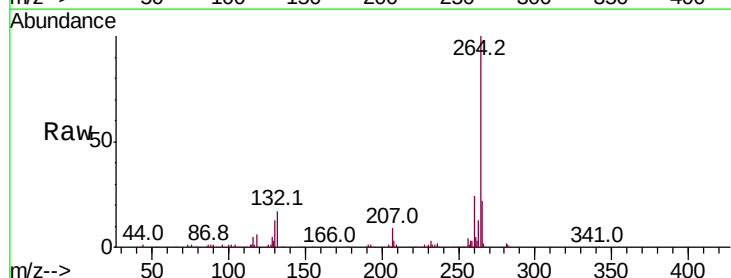
Tgt Ion:264 Resp: 425715

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 21.6 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

