

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081419\
 Data File : BN007170.D
 Acq On : 14 Aug 2019 19:17
 Operator : HP/JU
 Sample : PB122169BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 15 11:03:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 13 12:12:02 2019
 Response via : Initial Calibration

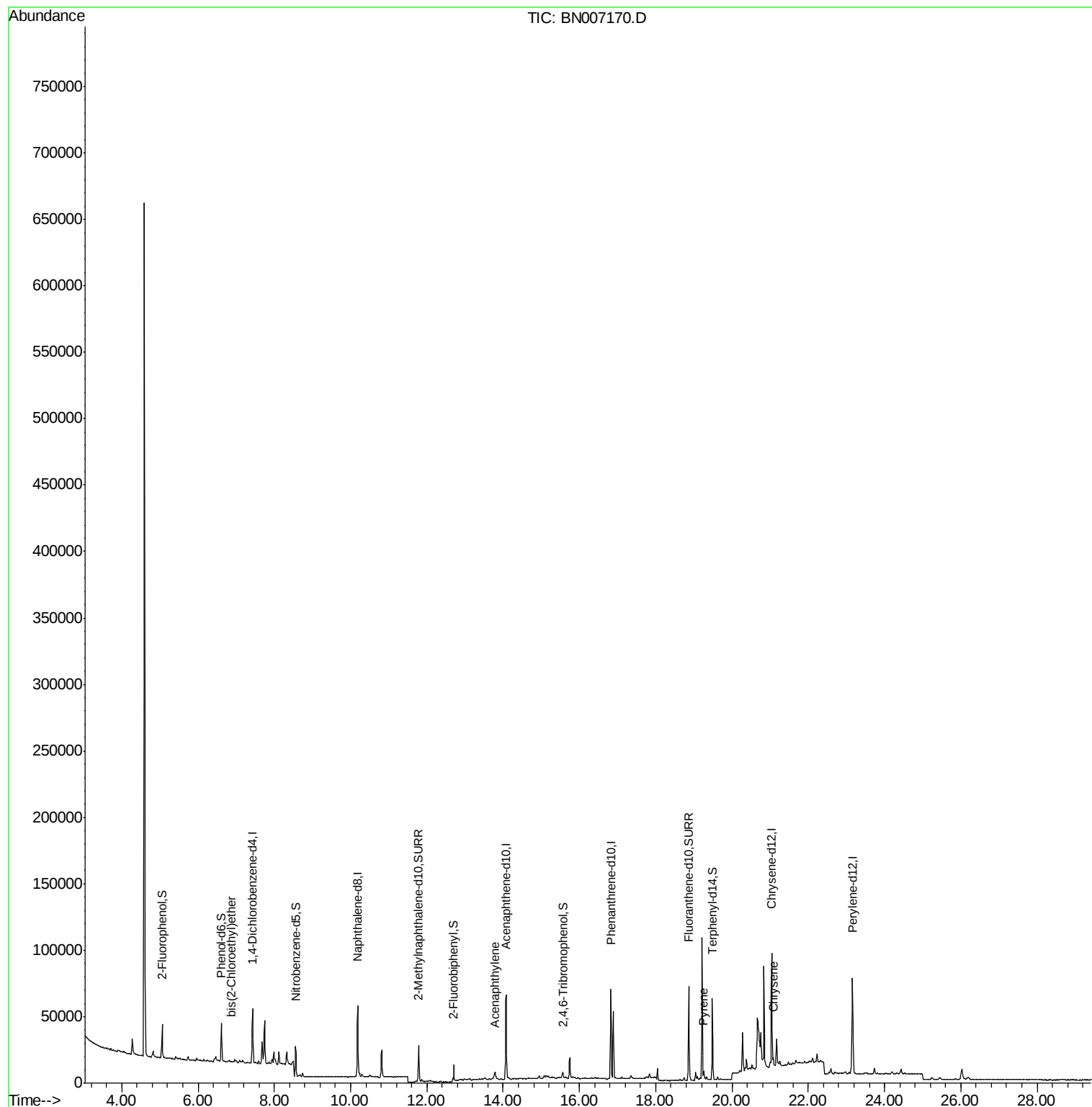
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	18067	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	73157	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	40026	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	85615	0.40	ng	0.00
26) Chrysene-d12	21.05	240	74208	0.40	ng	-0.01
32) Perylene-d12	23.16	264	85651	0.40	ng	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	19690	0.45	ng	0.00
4) Phenol-d6	6.61	99	25719	0.48	ng	0.00
7) Nitrobenzene-d5	8.55	82	18578	0.31	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	37660	0.28	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	3529	0.16	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5539	0.10	ng	0.00
24) Fluoranthene-d10	18.87	212	78132	0.26	ng	0.00
28) Terphenyl-d14	19.49	244	59964	0.30	ng	-0.01
Target Compounds						
5) bis(2-Chloroethyl)ether	6.88	93	995	0.021	ng	Qvalue # 23
15) Acenaphthylene	13.79	152	14902	0.071	ng	97
27) Pyrene	19.26	202	6294	0.024	ng	# 91
30) Chrysene	21.08	228	6895	0.026	ng	# 79

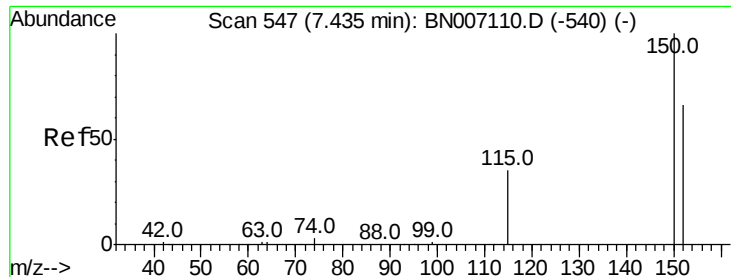
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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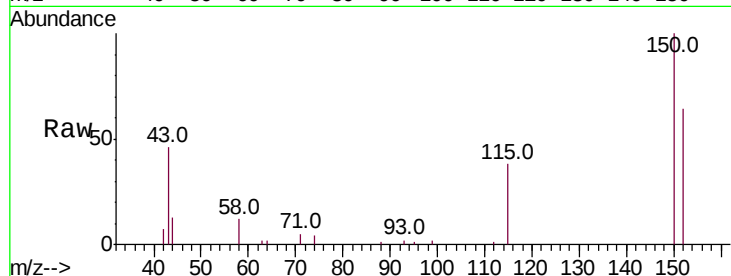


#1

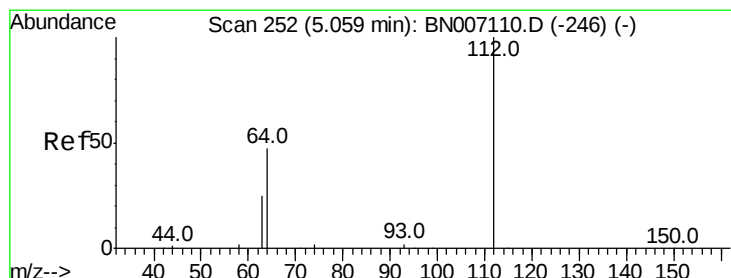
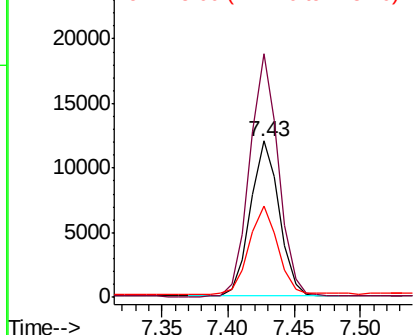
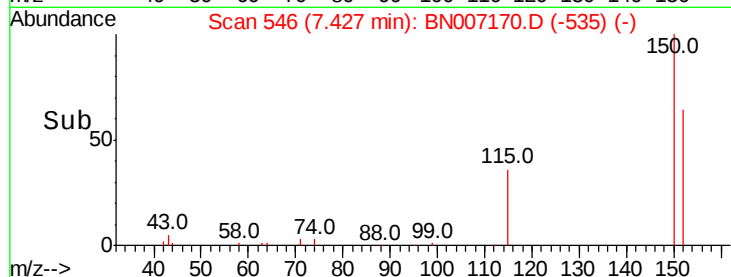
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007170.D
Acq: 14 Aug 2019 19:17

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 18067
Ion Ratio Lower Upper
152 100
150 155.9 121.7 182.5
115 58.7 46.2 69.4



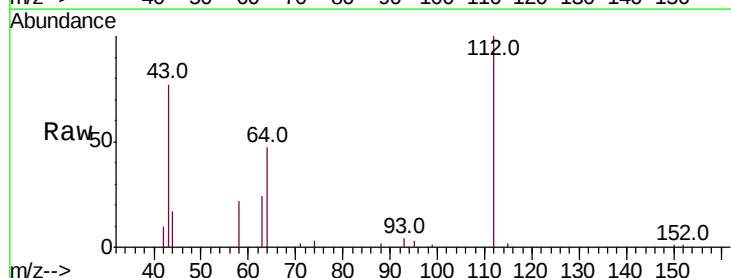
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



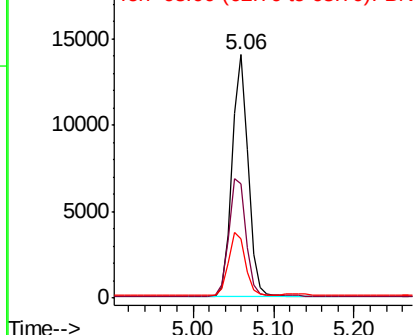
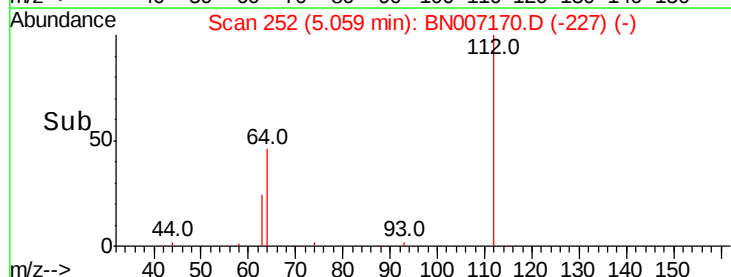
#3

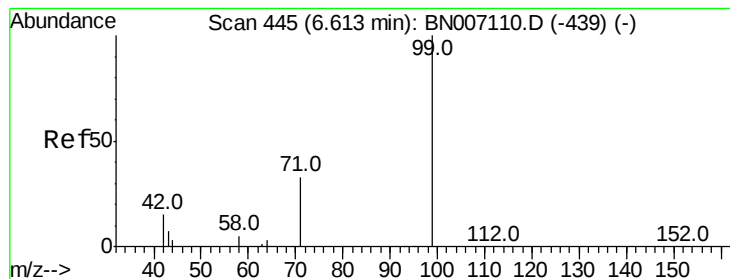
2-Fluorophenol
Concen: 0.454 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007170.D
Acq: 14 Aug 2019 19:17

Tgt Ion:112 Resp: 19690
Ion Ratio Lower Upper
112 100
64 52.1 42.6 63.8
63 27.1 22.2 33.2



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





#4

Phenol-d6

Concen: 0.478 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

Instrument :

BNA_N

ClientSampleId :

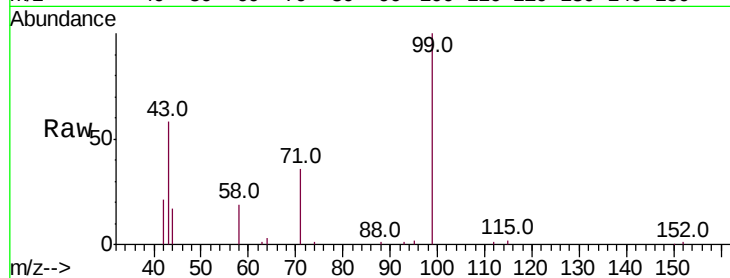
Tot Ion: 99 Resp: 25719

Ion Ratio Lower Upper

99 100

42 16.5 15.8 23.6

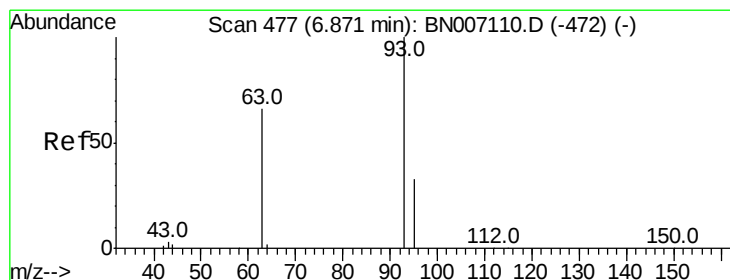
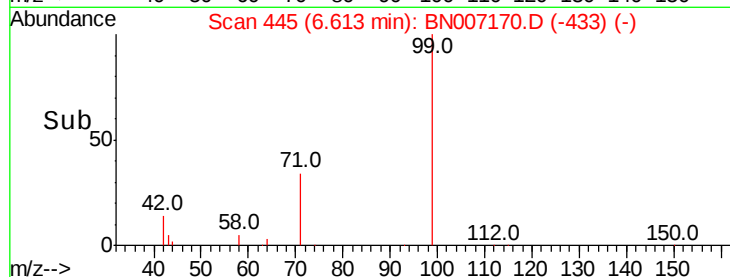
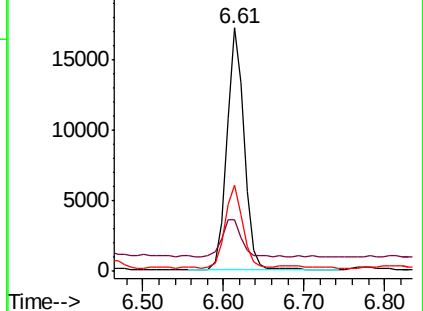
71 34.7 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BN007170.D (-439) (-)

Ion 42.00 (41.70 to 42.70): BN007170.D (-439) (-)

Ion 71.00 (70.70 to 71.70): BN007170.D (-439) (-)



#5

bis(2-Chloroethyl)ether

Concen: 0.021 ng

RT: 6.88 min Scan# 478

Delta R.T. 0.01 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

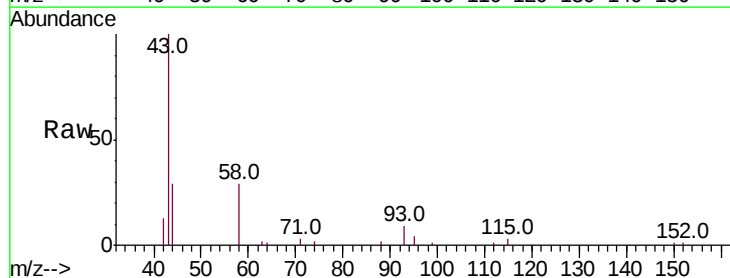
Tgt Ion: 93 Resp: 995

Ion Ratio Lower Upper

93 100

63 0.0 55.6 83.4#

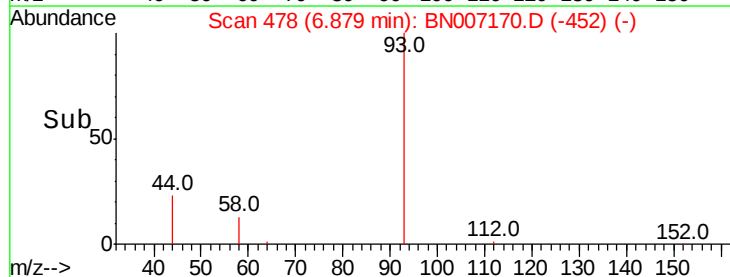
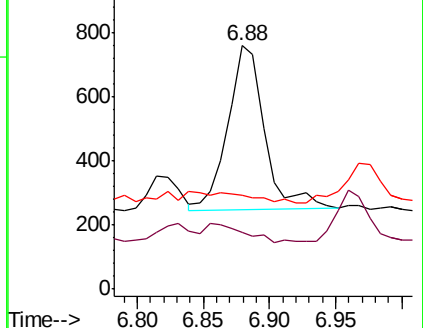
95 0.0 26.7 40.1#

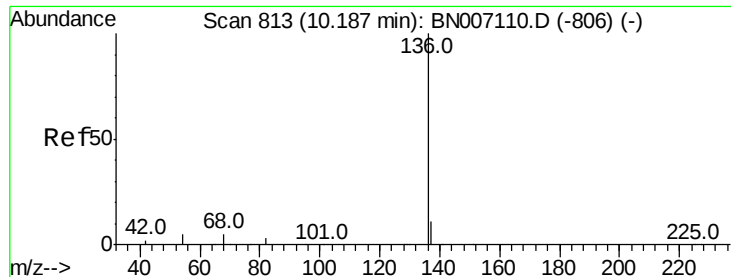


Abundance Ion 93.00 (92.70 to 93.70): BN007170.D (-472) (-)

Ion 63.00 (62.70 to 63.70): BN007170.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BN007170.D (-472) (-)





#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 73157

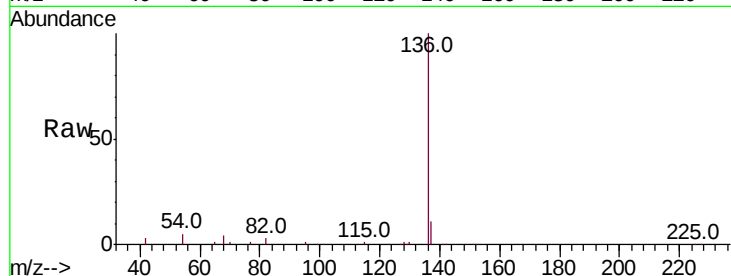
Ion Ratio Lower Upper

136 100

137 11.0 9.4 14.0

54 4.6 6.6 9.8#

68 4.4 6.0 9.0#

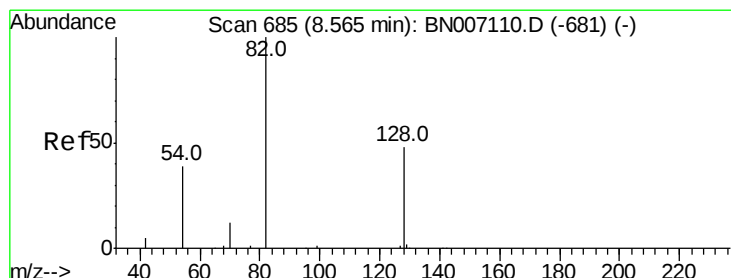
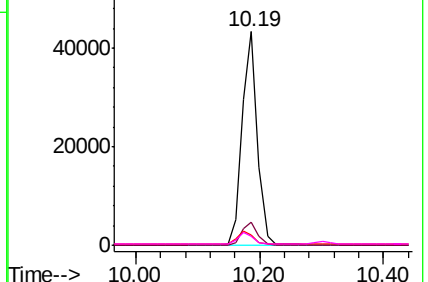
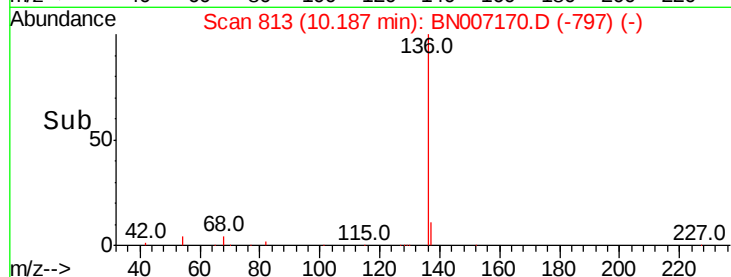


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#7

Nitrobenzene-d5

Concen: 0.315 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

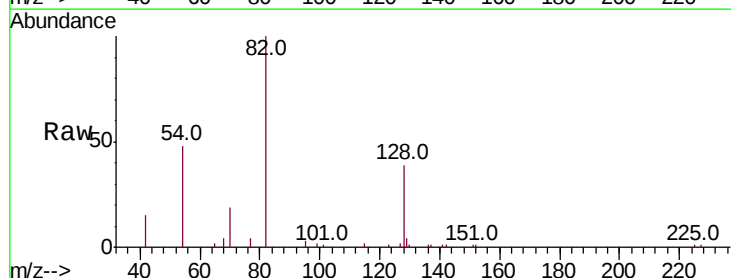
Tgt Ion: 82 Resp: 18578

Ion Ratio Lower Upper

82 100

128 38.6 34.6 51.8

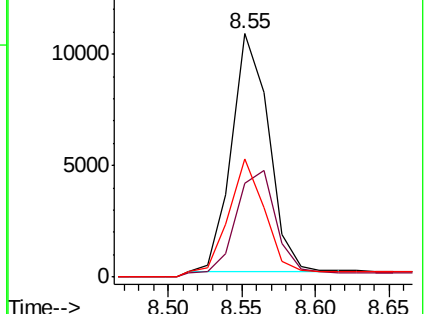
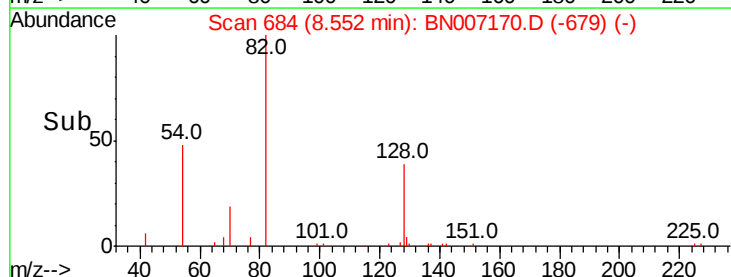
54 48.5 36.2 54.4

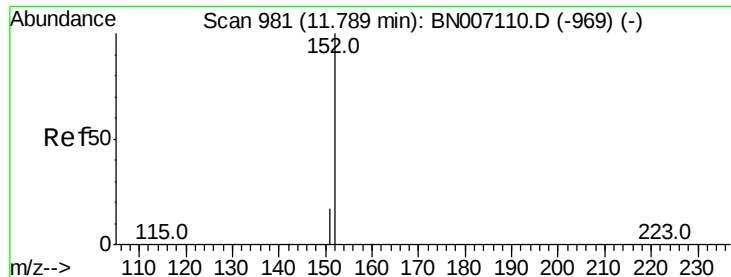


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#10

2-Methylnaphthalene-d10

Concen: 0.276 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

Instrument :

BNA_N

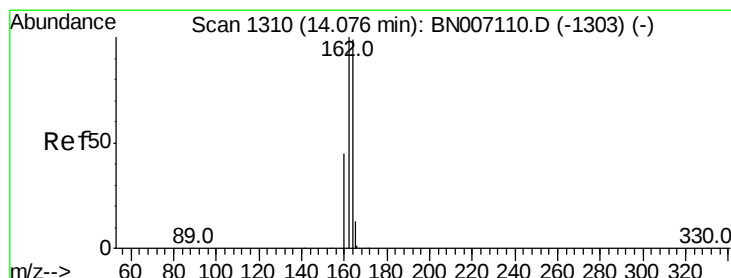
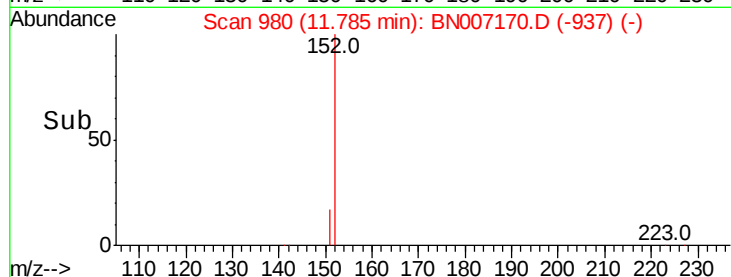
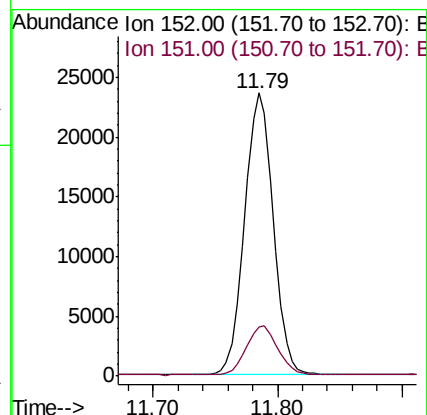
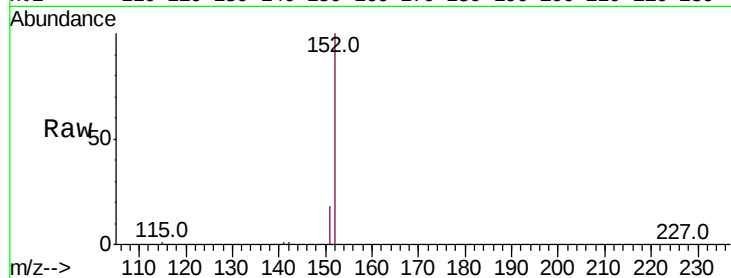
ClientSampleId :

Tot Ion:152 Resp: 37660

Ion Ratio Lower Upper

152 100

151 19.1 15.5 23.3



#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

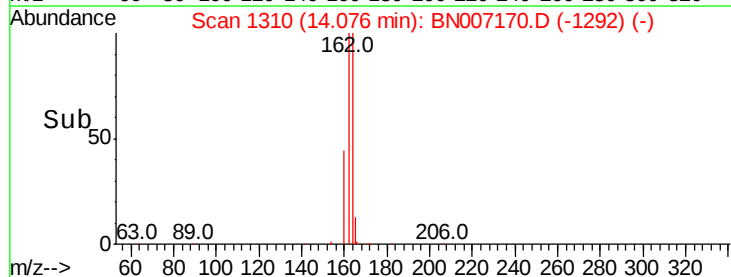
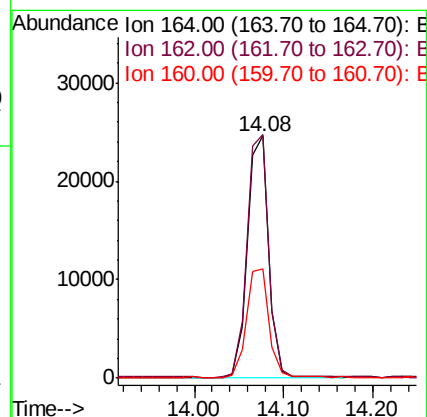
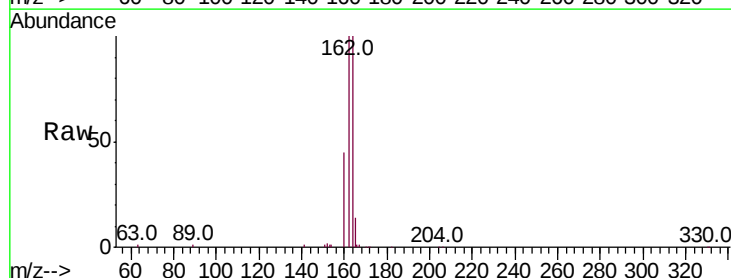
Tgt Ion:164 Resp: 40026

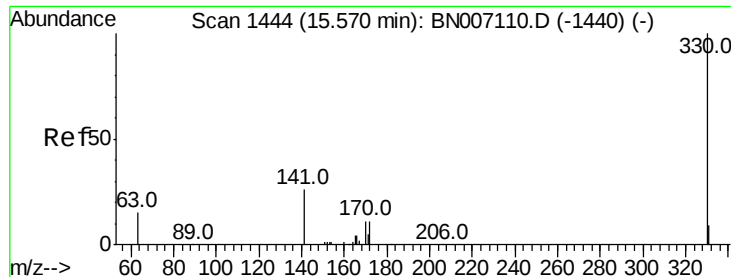
Ion Ratio Lower Upper

164 100

162 100.5 82.2 123.4

160 44.8 38.3 57.5

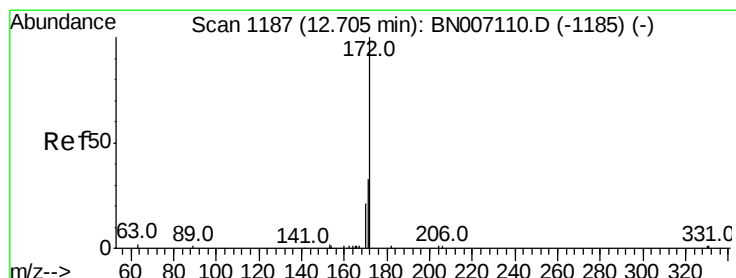
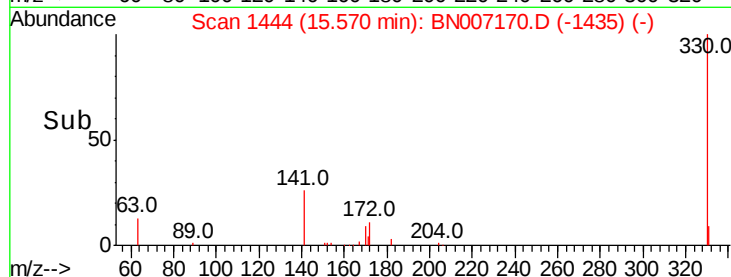
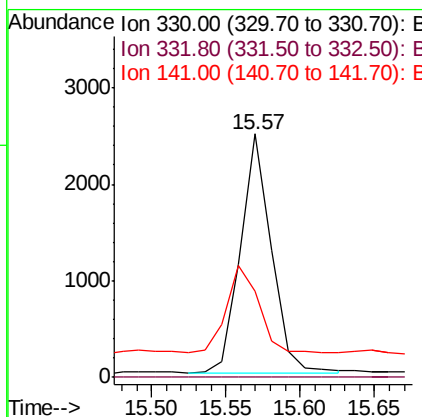
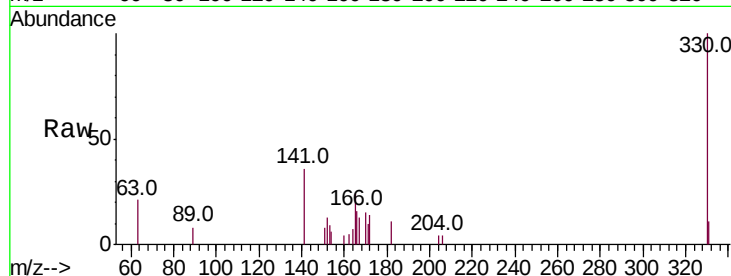




#13
 2,4,6-Tribromophenol
 Concen: 0.164 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007170.D
 Acq: 14 Aug 2019 19:17

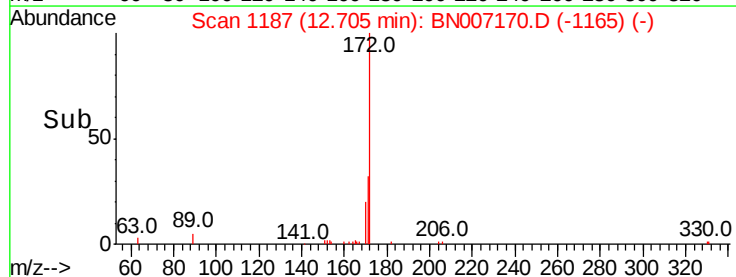
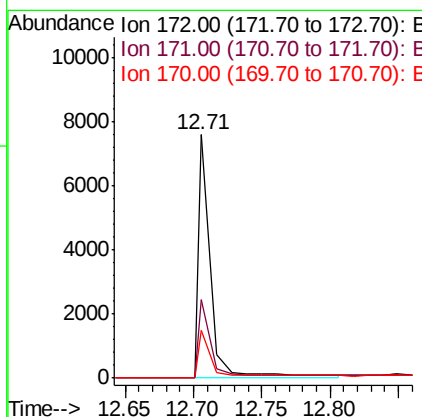
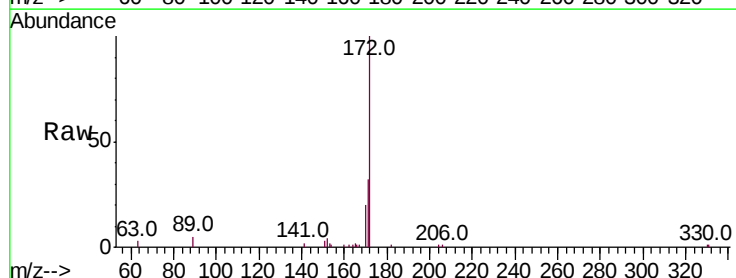
Instrument :
 BNA_N
 ClientSampleId :

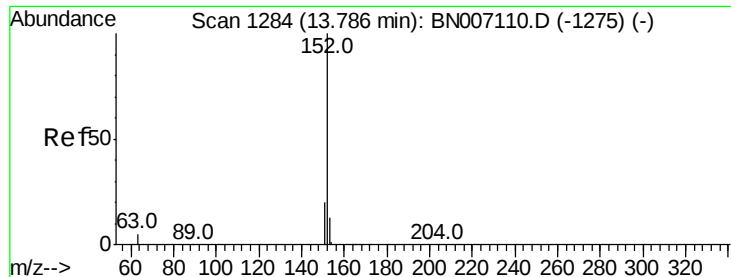
Tot Ion:330 Resp: 3529
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 38.1 33.6 50.4



#14
 2-Fluorobiphenyl
 Concen: 0.095 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007170.D
 Acq: 14 Aug 2019 19:17

Tgt Ion:172 Resp: 5539
 Ion Ratio Lower Upper
 172 100
 171 32.5 26.3 39.5
 170 19.6 17.0 25.4





#15

Acenaphthylene

Concen: 0.071 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

Instrument :

BNA_N

ClientSampled :

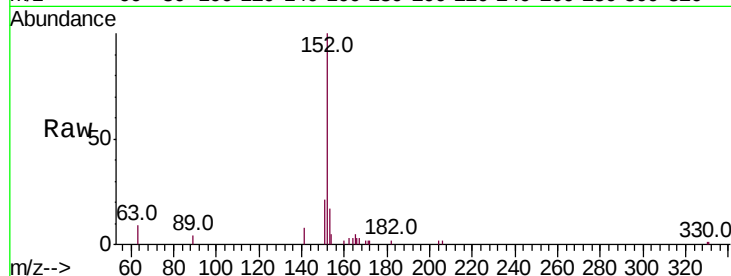
Tot Ion:152 Resp: 14902

Ion Ratio Lower Upper

152 100

151 18.7 15.8 23.6

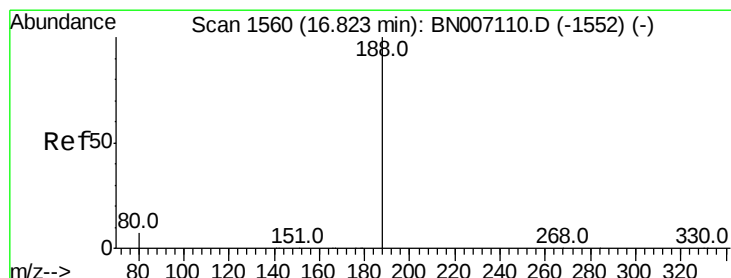
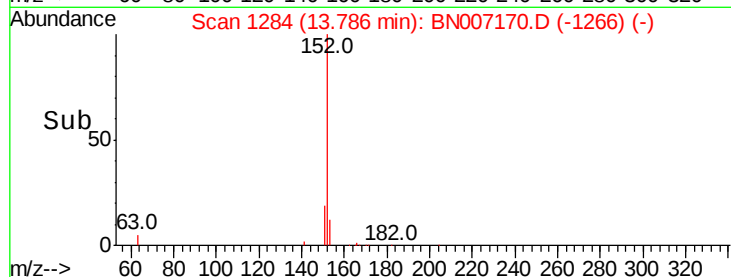
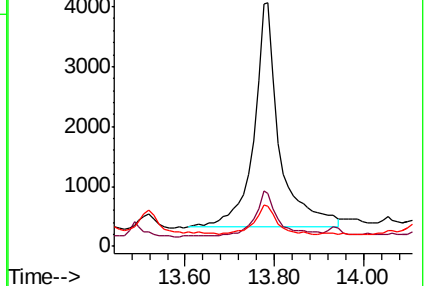
153 11.4 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

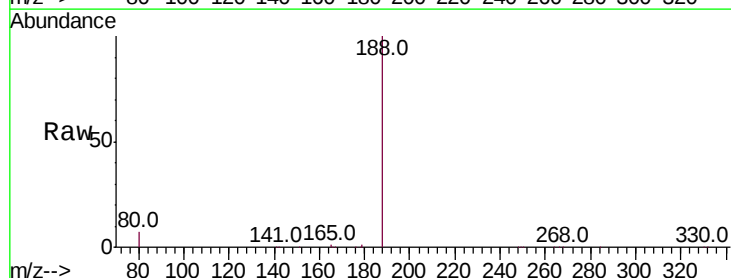
Tgt Ion:188 Resp: 85615

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

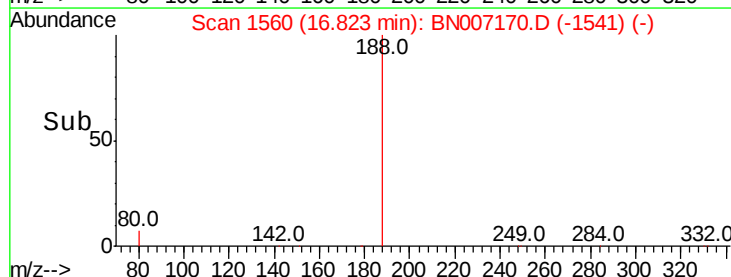
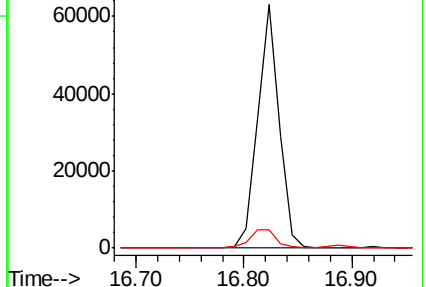
80 7.3 7.8 11.6#

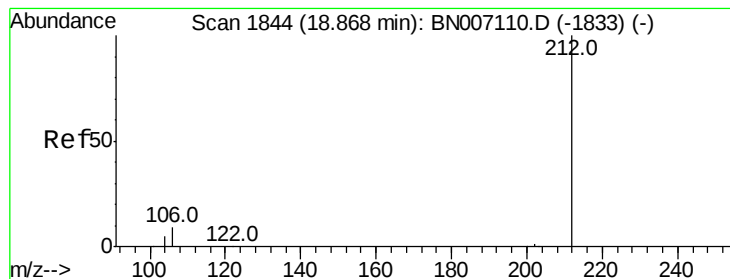


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#24

Fluoranthene-d10

Concen: 0.257 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

Instrument :

BNA_N

ClientSampleId :

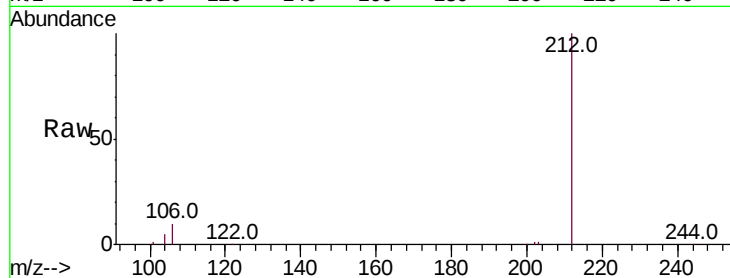
Tot Ion:212 Resp: 78132

Ion Ratio Lower Upper

212 100

106 10.3 8.2 12.2

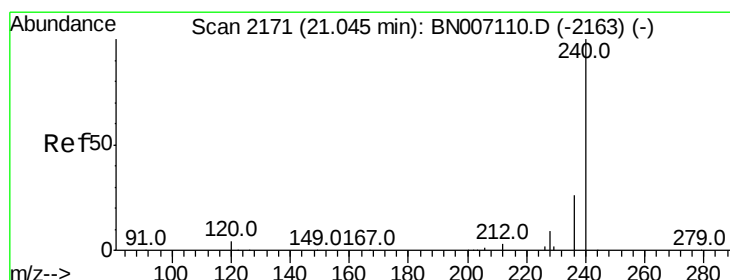
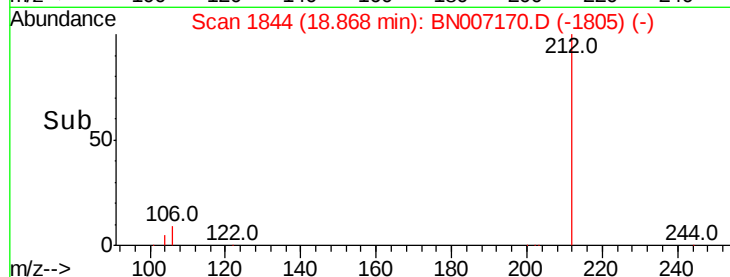
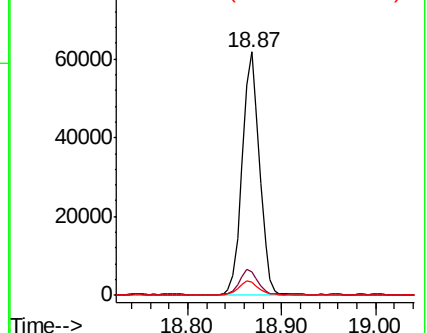
104 5.8 4.5 6.7



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

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

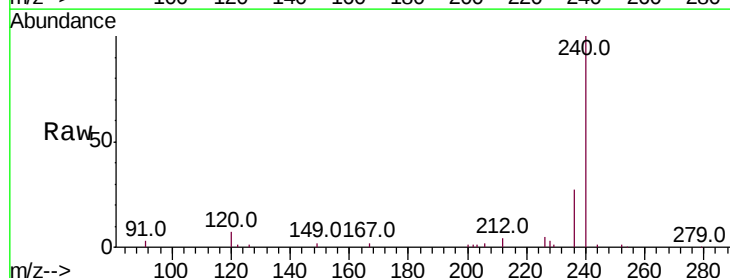
Tgt Ion:240 Resp: 74208

Ion Ratio Lower Upper

240 100

120 6.6 4.0 6.0#

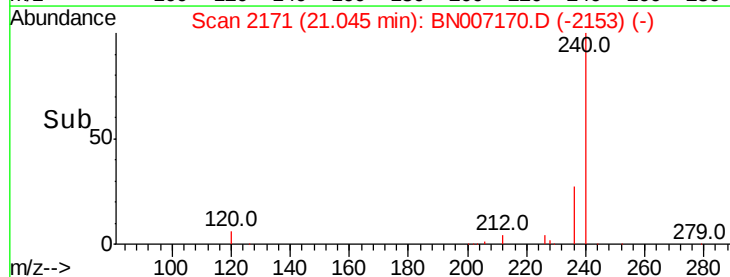
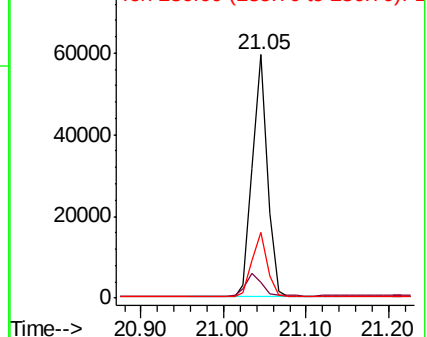
236 27.0 21.3 31.9

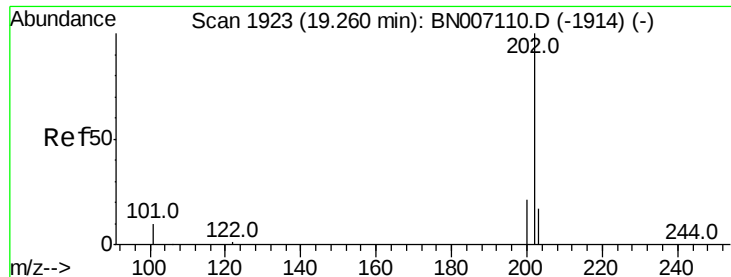


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Pvrene

Concen: 0.024 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

Instrument :

BNA_N

ClientSampleId :

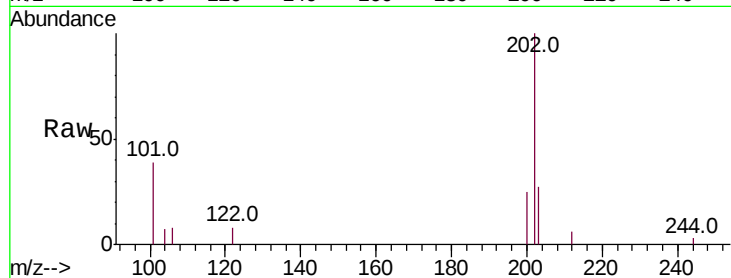
Tot Ion:202 Resp: 6294

Ion Ratio Lower Upper

202 100

200 18.6 16.6 24.8

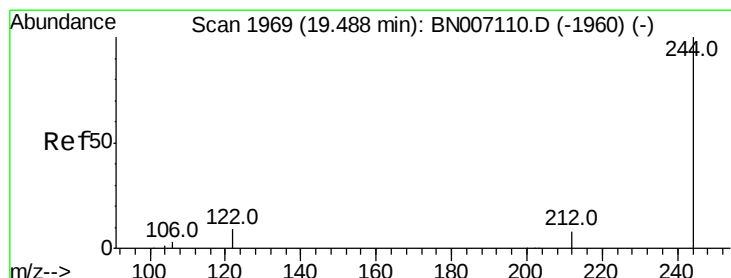
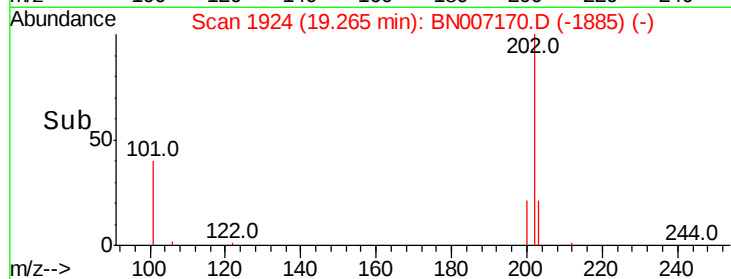
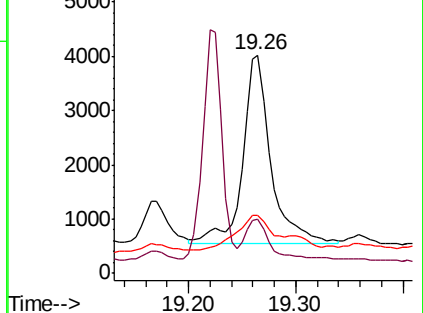
203 23.5 14.0 21.0#



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



#28

Terphenyl-d14

Concen: 0.297 ng

RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

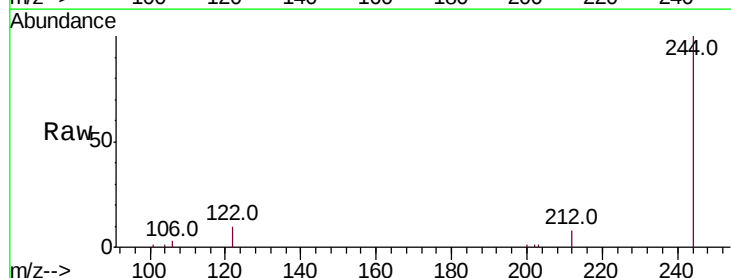
Tgt Ion:244 Resp: 59964

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

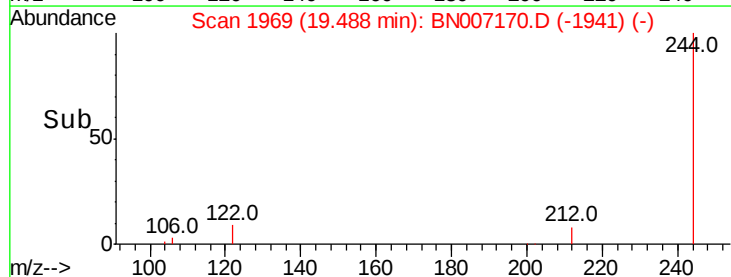
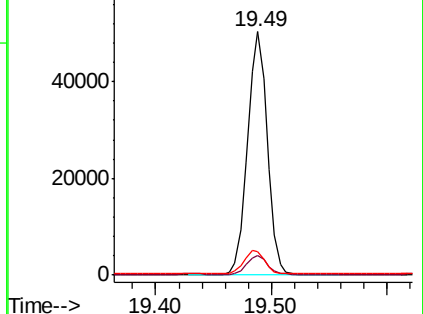
122 9.8 7.4 11.2

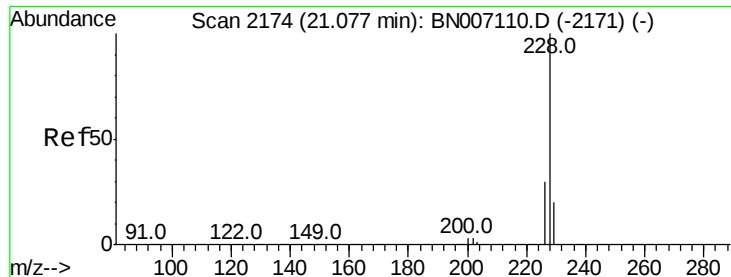


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Chrysene

Concen: 0.026 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

Instrument :

BNA_N

ClientSampleId :

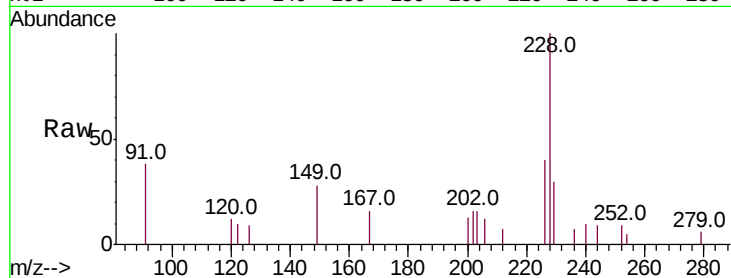
Tot Ion:228 Resp: 6895

Ion Ratio Lower Upper

228 100

226 39.9 23.8 35.6#

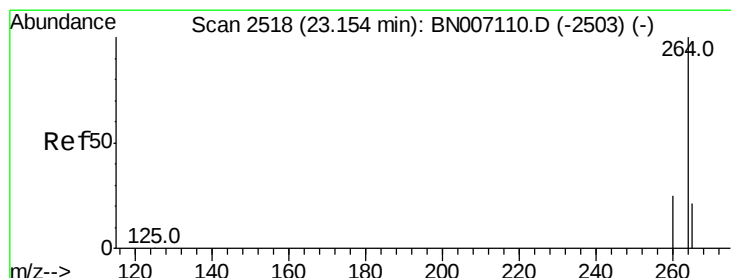
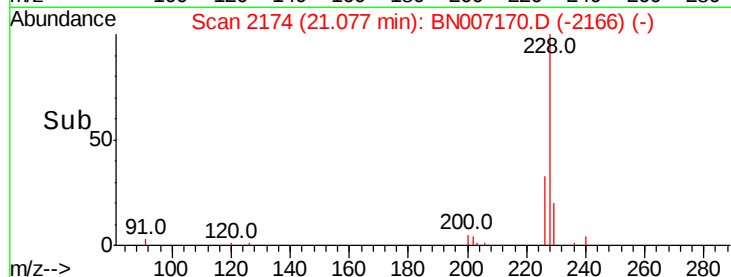
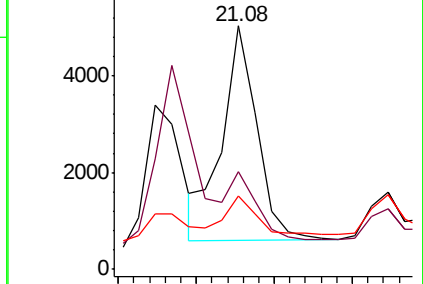
229 30.4 15.7 23.5#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.16 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BN007170.D

Acq: 14 Aug 2019 19:17

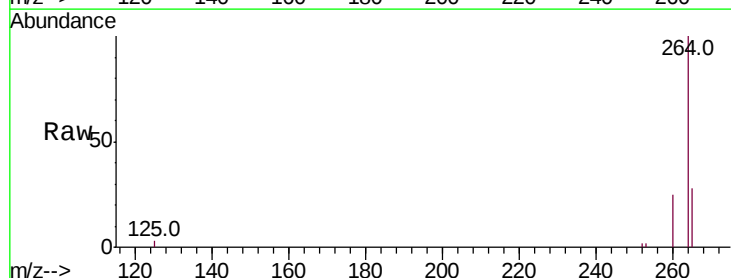
Tgt Ion:264 Resp: 85651

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.8

265 27.6 26.2 39.4



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

