

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
 Data File : BN007862.D
 Acq On : 25 Sep 2019 20:04
 Operator : JU
 Sample : K4994-07MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-B231-091919-1MSD

Quant Time: Sep 26 03:54:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	10391	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	37690	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	19905	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	35416	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	34451	0.40	ng	-0.02
34) Perylene-d12	23.47	264	44107	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	10873	0.30	ng	0.00
5) Phenol-d6	6.86	99	14113	0.32	ng	0.00
8) Nitrobenzene-d5	8.83	82	12212	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	26688	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	2539	0.23	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	29000	0.35	ng	-0.01
25) Fluoranthene-d10	19.09	212	36485	0.31	ng	-0.01
29) Terphenyl-d14	19.70	244	28628	0.34	ng	-0.01

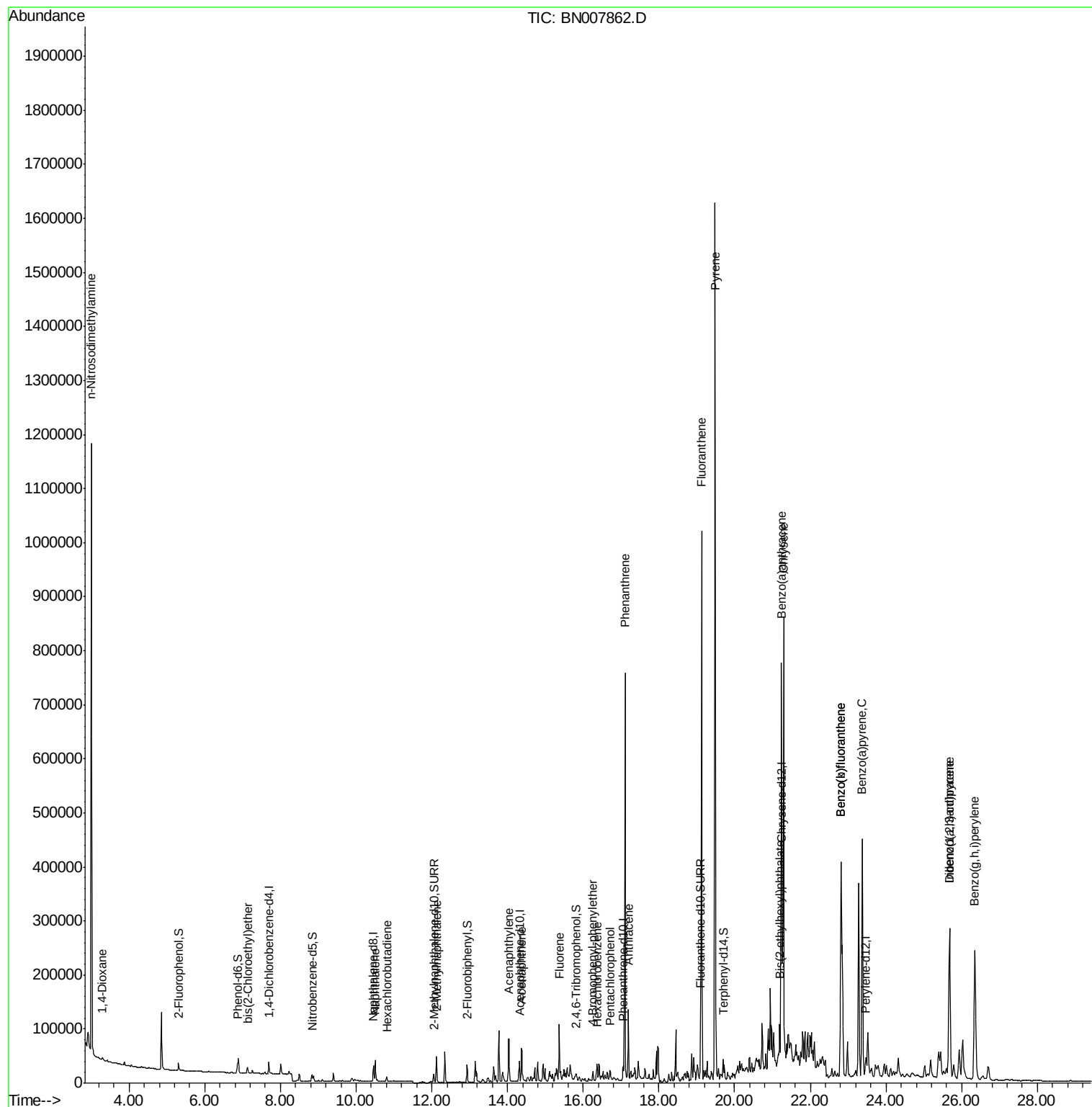
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	3169	0.274	ng	# 74
3) n-Nitrosodimethylamine	3.01	42	94107	17.740	ng	# 69
6) bis(2-Chloroethyl)ether	7.13	93	10551	0.359	ng	94
9) Naphthalene	10.51	128	50333	0.476	ng	100
10) Hexachlorobutadiene	10.81	225	7234	0.325	ng	# 100
12) 2-Methylnaphthalene	12.13	142	35829	0.501	ng	99
16) Acenaphthylene	14.02	152	104862	0.993	ng	99
17) Acenaphthene	14.37	154	34686	0.510	ng	96
18) Fluorene	15.36	166	52033	0.597	ng	# 92
20) 4-Bromophenyl-phenylether	16.25	248	7764	0.361	ng	# 74
21) Hexachlorobenzene	16.38	284	7679	0.327	ng	97
22) Pentachlorophenol	16.71	266	4720	0.545	ng	96
23) Phenanthrene	17.10	178	832550	7.546	ng	100
24) Anthracene	17.19	178	127236	1.277	ng	99
26) Fluoranthene	19.12	202	892180	6.503	ng	99
28) Pyrene	19.49	202	1442593	12.278	ng	96
30) Benzo(a)anthracene	21.24	228	642794	5.067	ng	95
31) Chrysene	21.29	228	750795	6.072	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	54747	0.839	ng	97
33) Indeno(1,2,3-cd)pyrene	25.68	276	411116	2.656	ng	98
35) Benzo(b)fluoranthene	22.81	252	681793	4.453	ng	99
36) Benzo(k)fluoranthene	22.81	252	681793	4.503	ng	99
37) Benzo(a)pyrene	23.37	252	602541	4.187	ng	98
38) Dibenzo(a,h)anthracene	25.69	278	156386	1.062	ng	96
39) Benzo(g,h,i)perylene	26.35	276	491254	3.372	ng	99

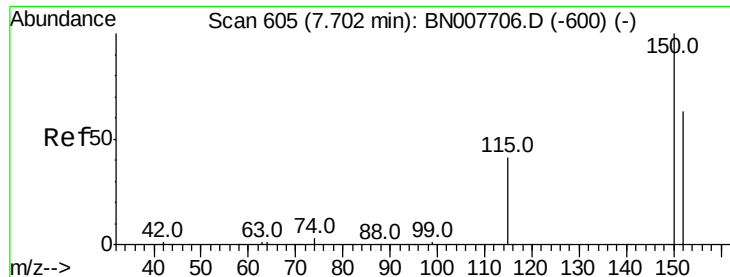
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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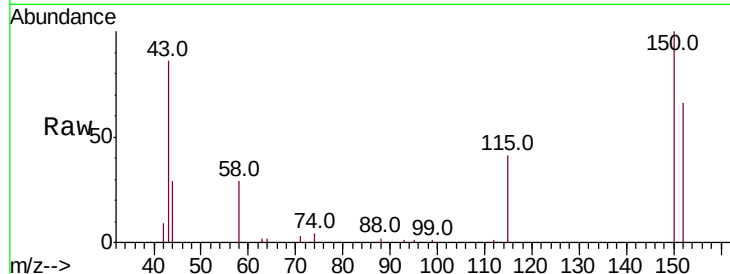


#1

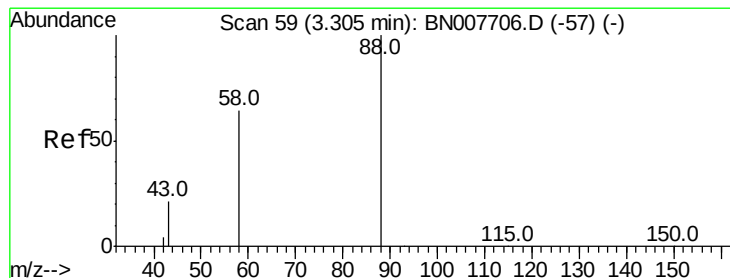
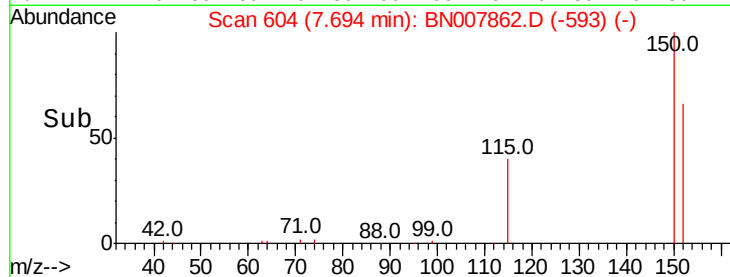
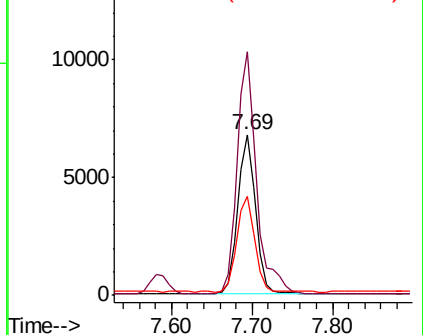
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tot Ion:152 Resp: 10391
Ion Ratio Lower Upper
152 100
150 151.6 125.6 188.4
115 61.7 53.3 79.9



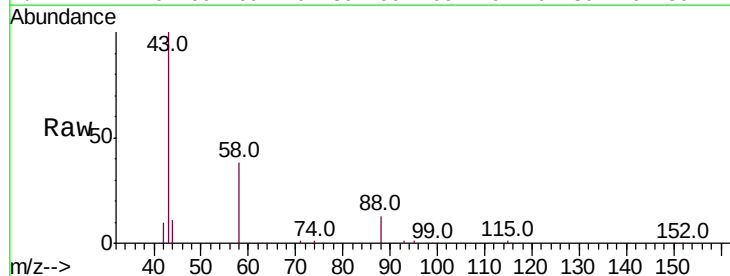
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



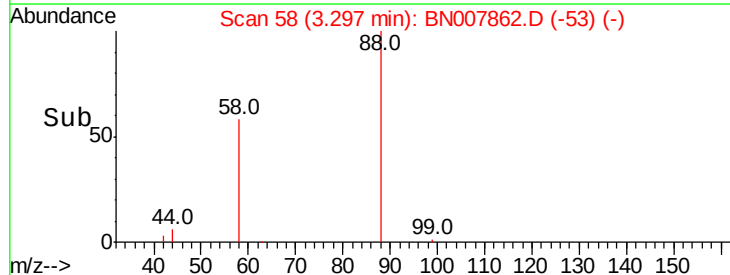
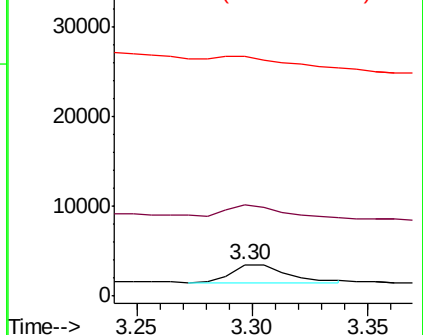
#2

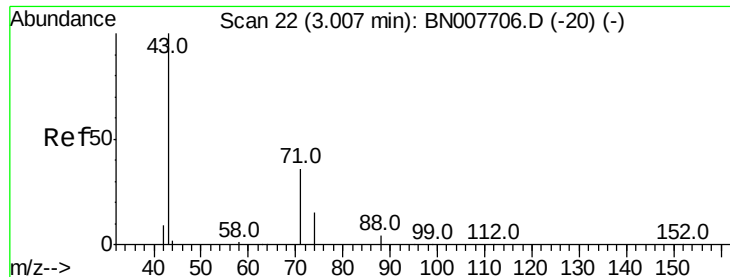
1,4-Dioxane
Concen: 0.274 ng
RT: 3.30 min Scan# 58
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion: 88 Resp: 3169
Ion Ratio Lower Upper
88 100
58 71.4 44.6 66.8#
43 0.0 14.4 21.6#



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: 17.740 ng

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

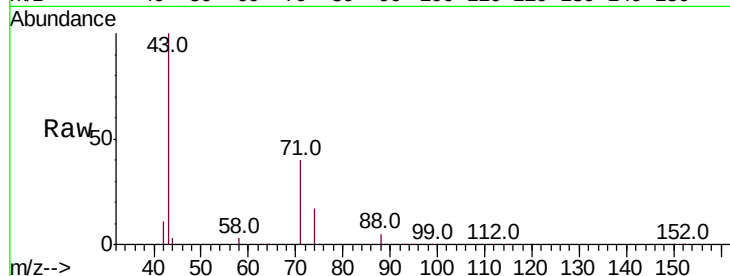
Tot Ion: 42 Resp: 94107

Ion Ratio Lower Upper

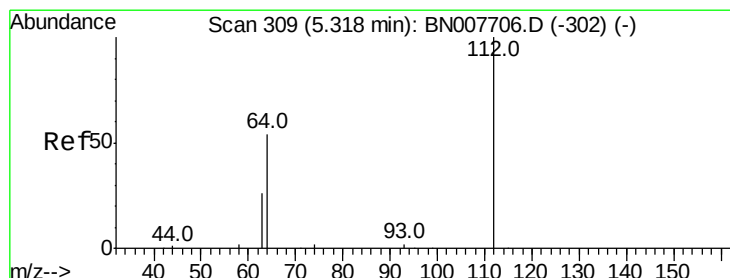
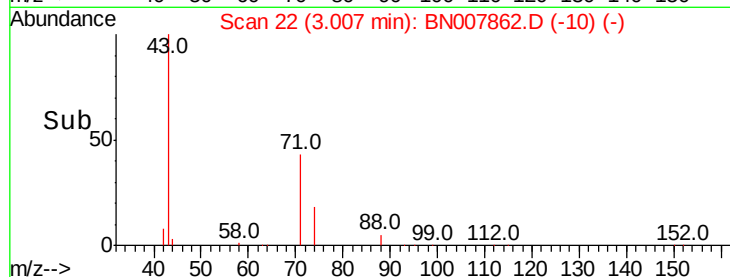
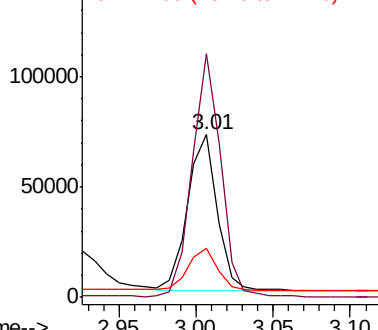
42 100

74 148.2 87.9 131.9#

44 27.6 29.4 44.0#



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: 0.304 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

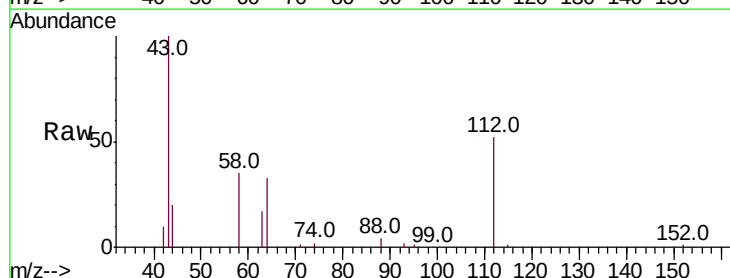
Tgt Ion: 112 Resp: 10873

Ion Ratio Lower Upper

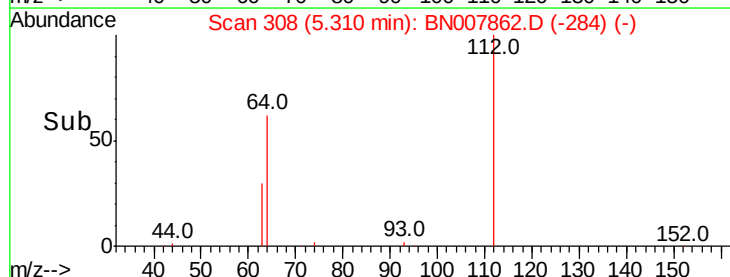
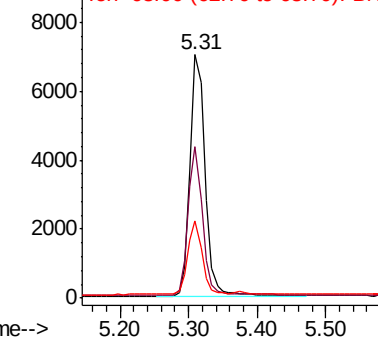
112 100

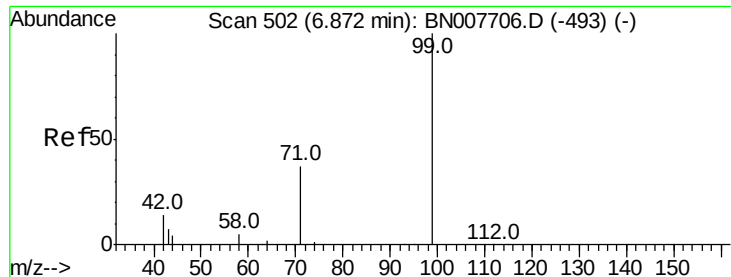
64 59.7 46.6 70.0

63 28.3 23.1 34.7



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: 0.315 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

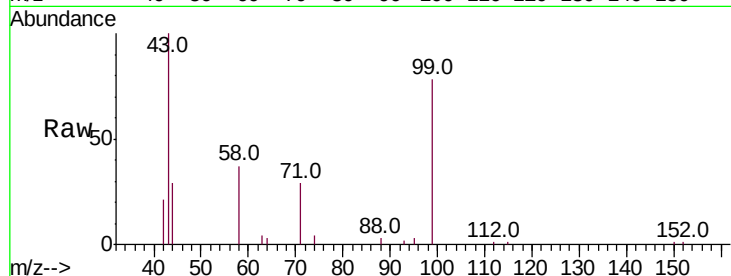
Tot Ion: 99 Resp: 14113

Ion Ratio Lower Upper

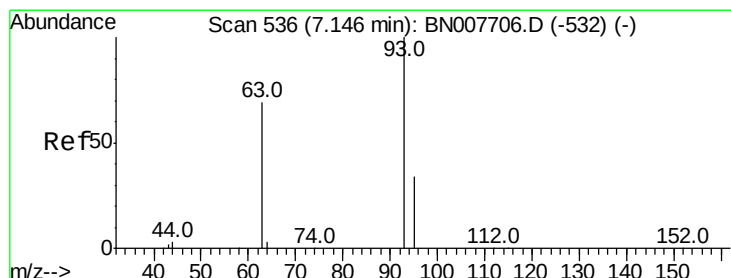
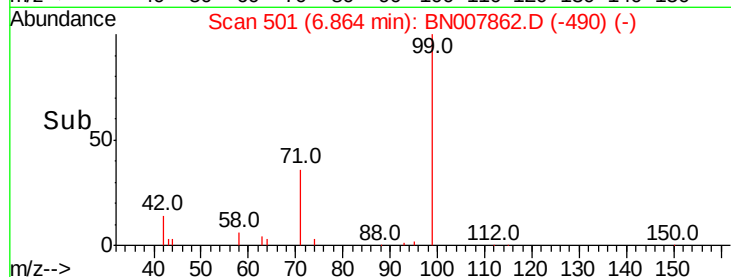
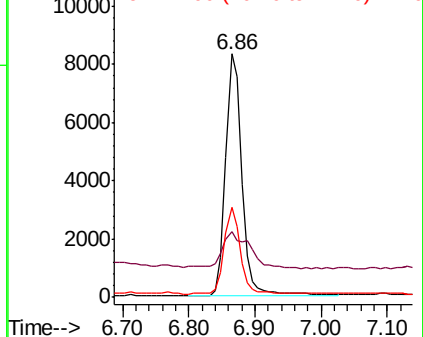
99 100

42 25.5 12.8 19.2#

71 35.7 27.6 41.4



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



#6

bis(2-Chloroethyl)ether

Concen: 0.359 ng

RT: 7.13 min Scan# 534

Delta R.T. -0.02 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

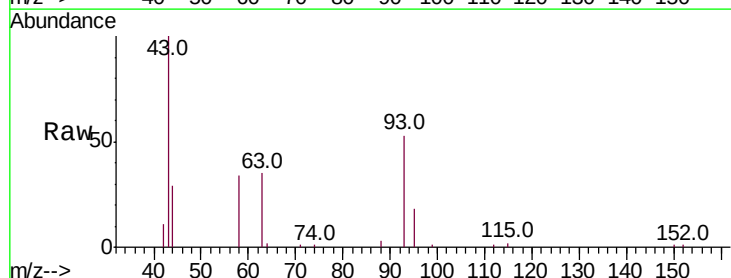
Tgt Ion: 93 Resp: 10551

Ion Ratio Lower Upper

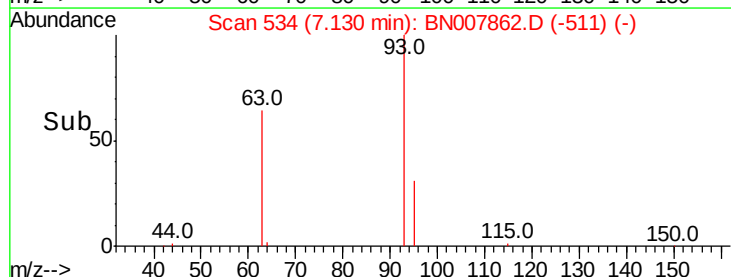
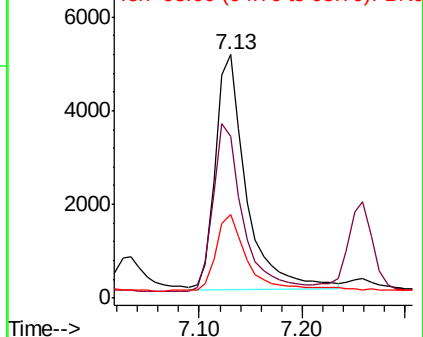
93 100

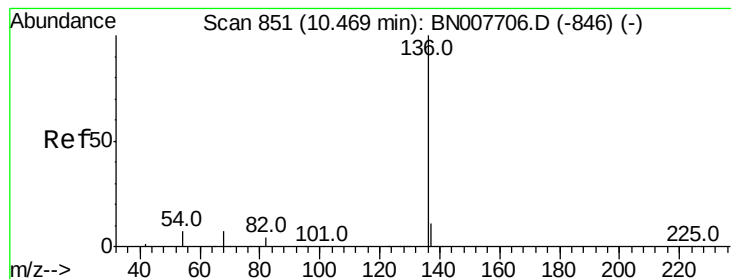
63 69.8 59.3 88.9

95 34.2 31.4 47.0



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

Tot Ion:136 Resp: 37690

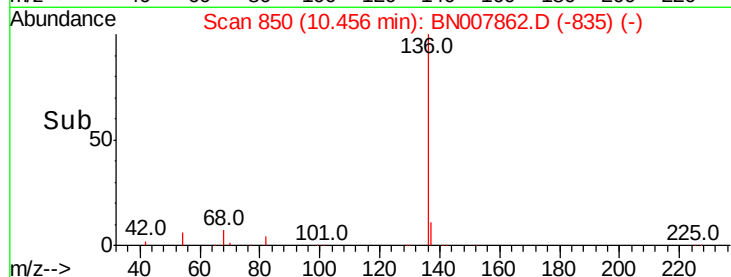
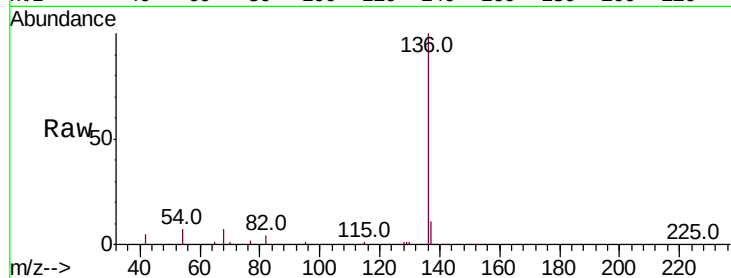
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 6.7 5.8 8.8

68 7.3 6.5 9.7

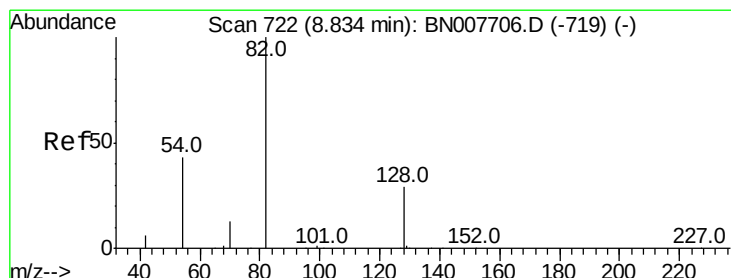
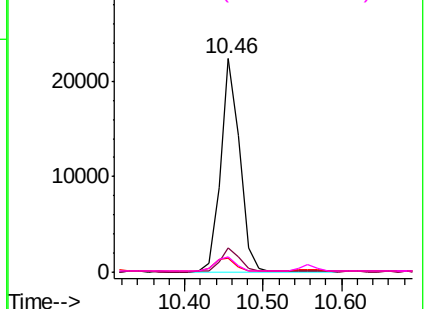


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.370 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

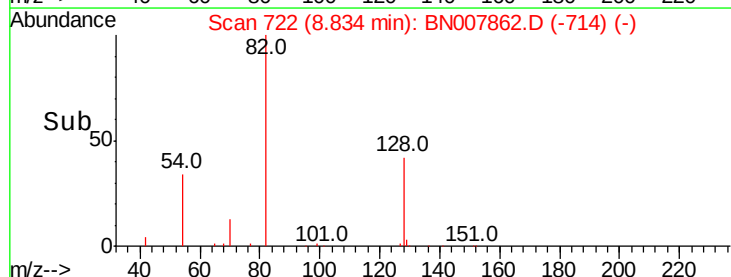
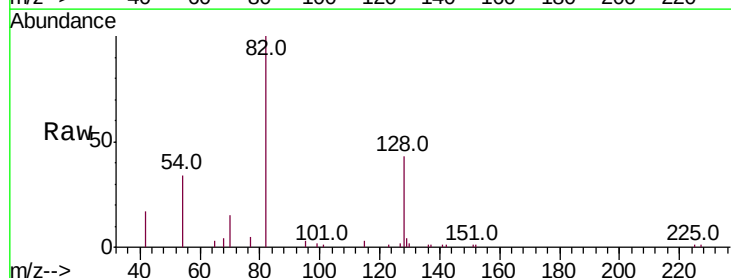
Tgt Ion: 82 Resp: 12212

Ion Ratio Lower Upper

82 100

128 42.5 24.5 36.7#

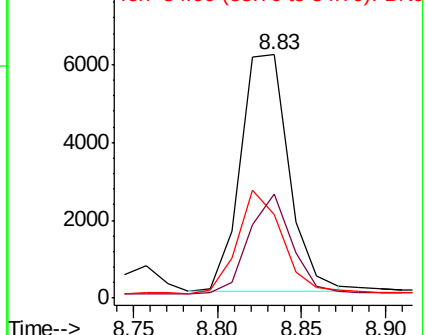
54 34.5 35.2 52.8#

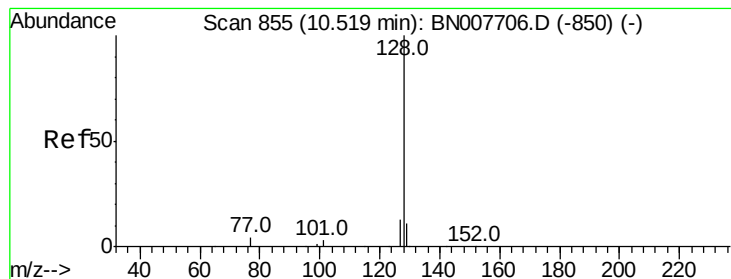


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.476 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007862.D

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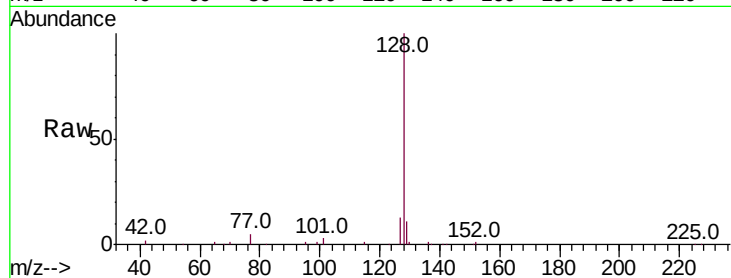
Tot Ion:128 Resp: 50333

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

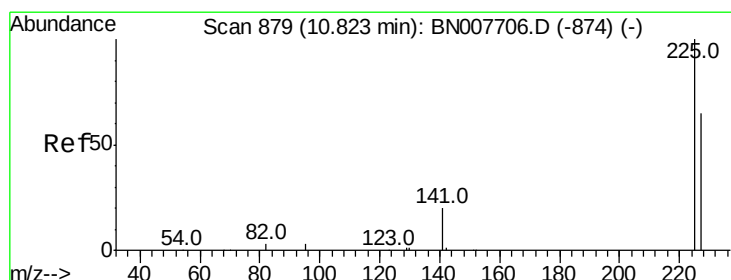
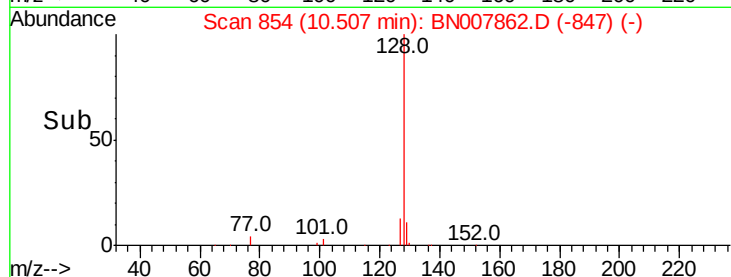
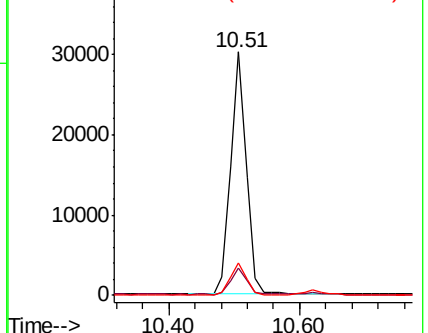
127 13.2 10.6 15.8



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: 0.325 ng

RT: 10.81 min Scan# 878

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

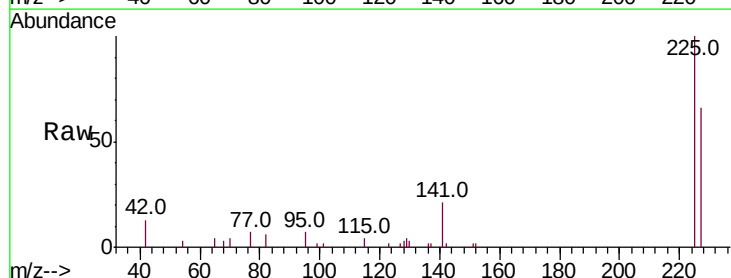
Tgt Ion:225 Resp: 7234

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

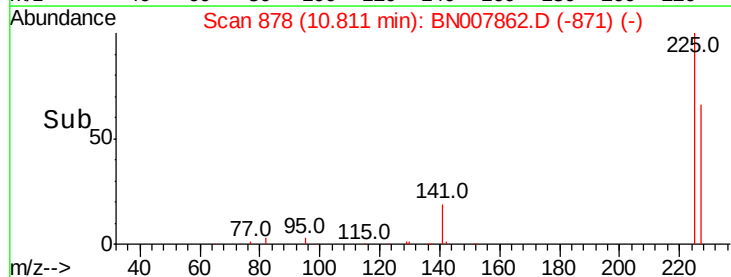
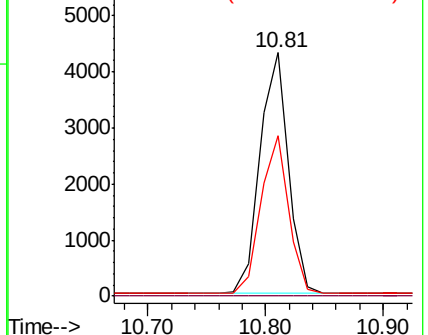
227 63.9 51.2 76.8

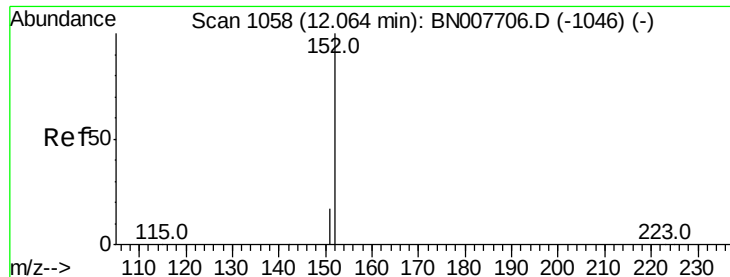


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

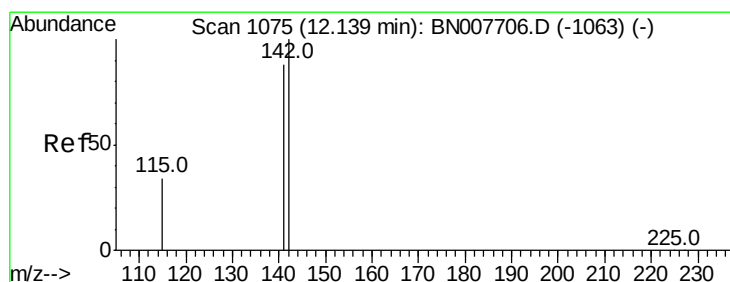
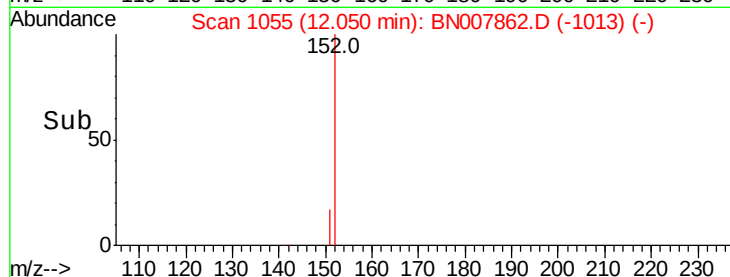
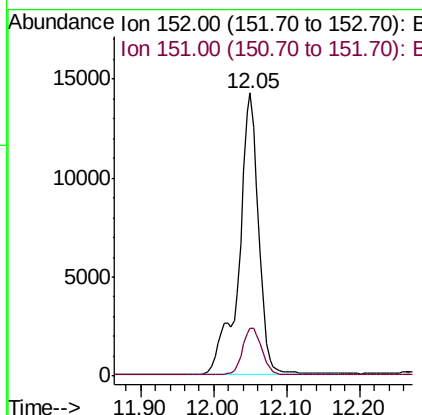
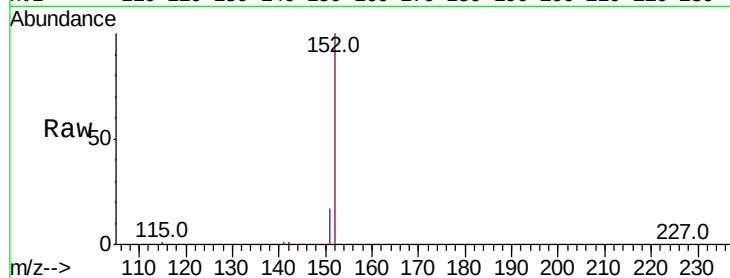




#11
 2-Methylnaphthalene-d10
 Concen: 0.420 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007862.D
 Acq: 25 Sep 2019 20:04

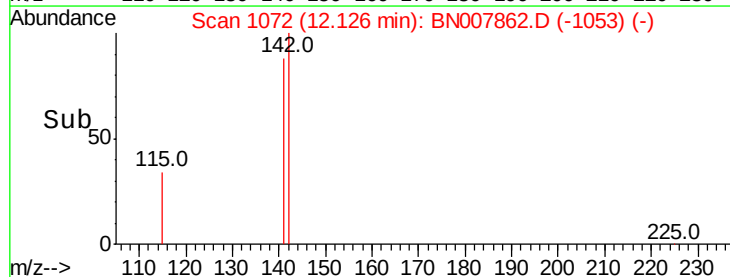
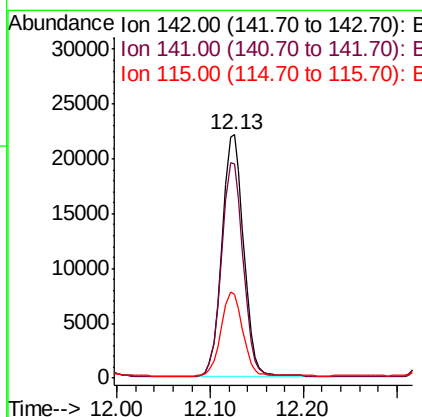
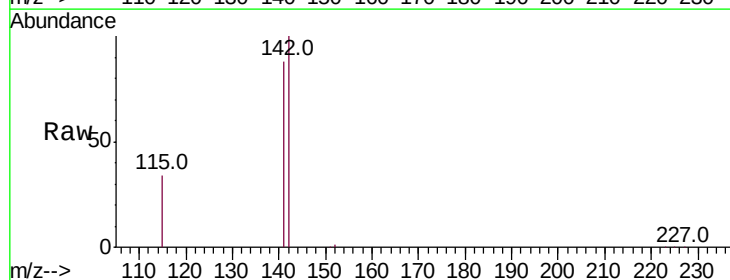
Instrument :
 BNA_N
 ClientSampleId :
 PST-B231-091919-1MSD

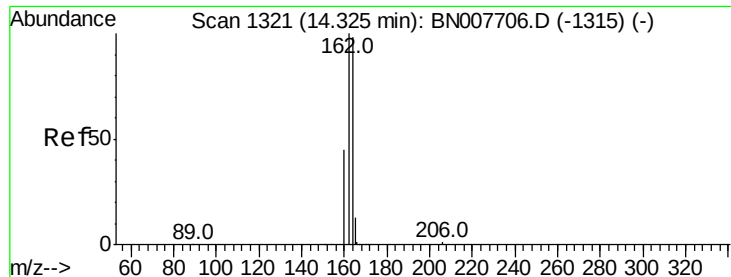
Tot Ion:152 Resp: 26688
 Ion Ratio Lower Upper
 152 100
 151 16.1 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.501 ng
 RT: 12.13 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BN007862.D
 Acq: 25 Sep 2019 20:04

Tgt Ion:142 Resp: 35829
 Ion Ratio Lower Upper
 142 100
 141 87.8 70.6 106.0
 115 34.4 28.3 42.5

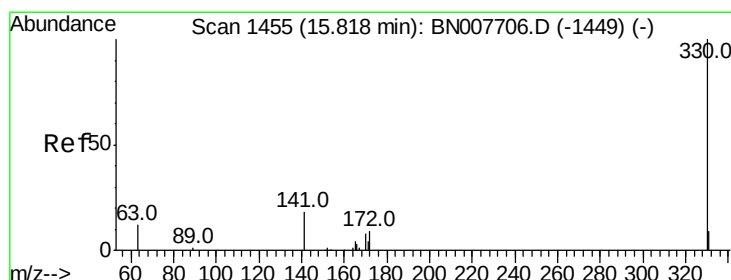
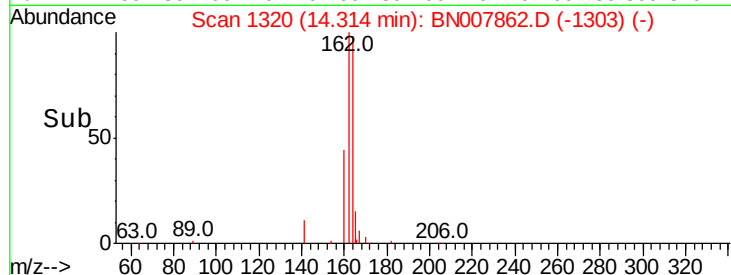
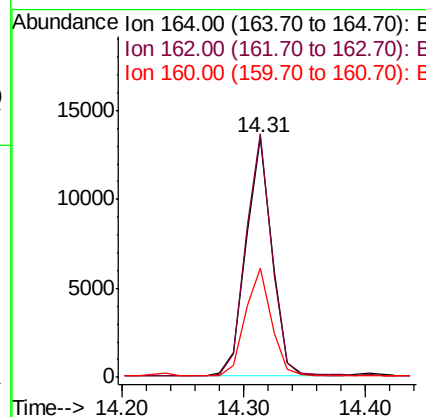
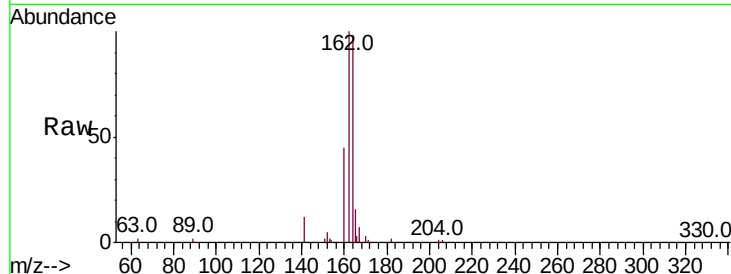




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BN007862.D
 Acq: 25 Sep 2019 20:04

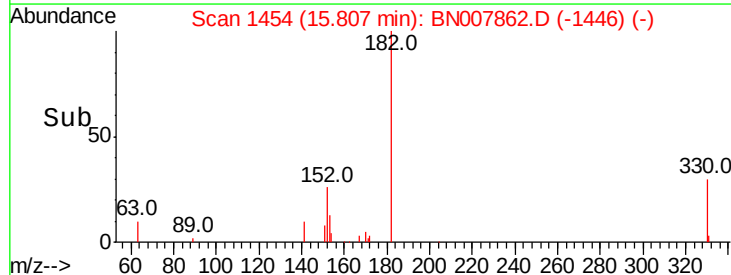
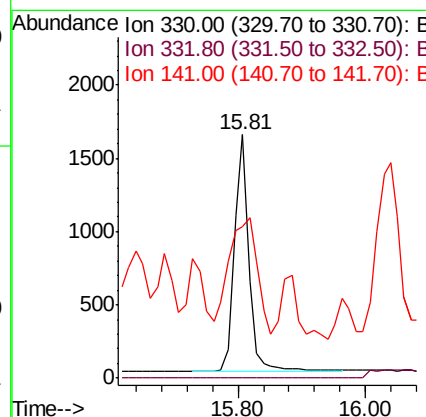
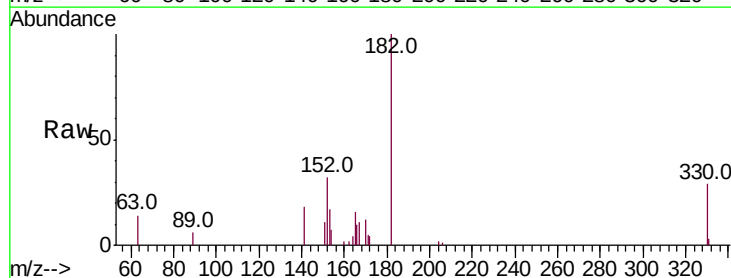
Instrument :
 BNA_N
 ClientSampleId :
 PST-B231-091919-1MSD

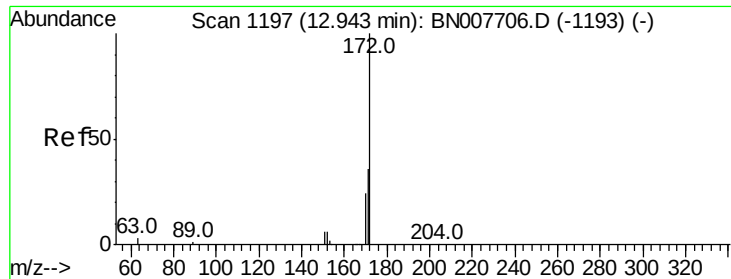
Tot Ion:164 Resp: 19905
 Ion Ratio Lower Upper
 164 100
 162 101.6 81.7 122.5
 160 45.6 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.234 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN007862.D
 Acq: 25 Sep 2019 20:04

Tgt Ion:330 Resp: 2539
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 94.5 28.7 43.1#

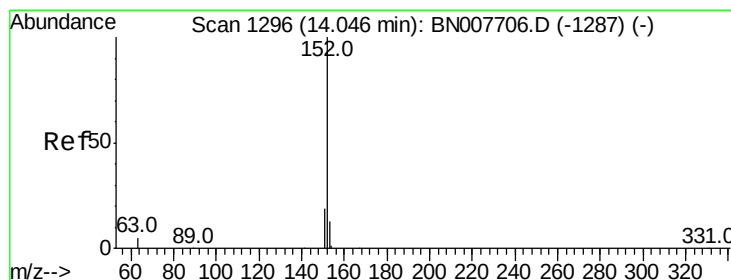
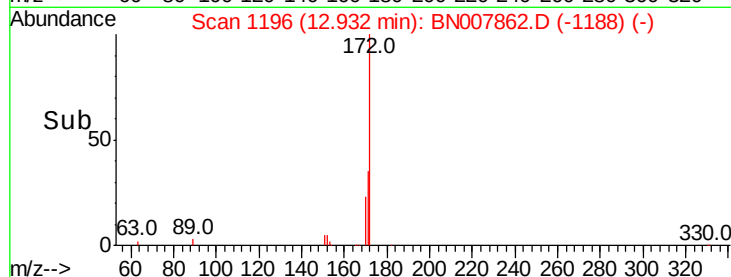
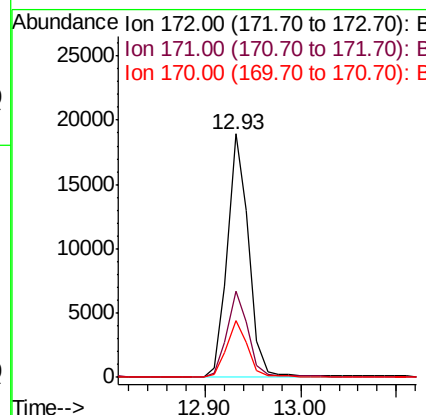
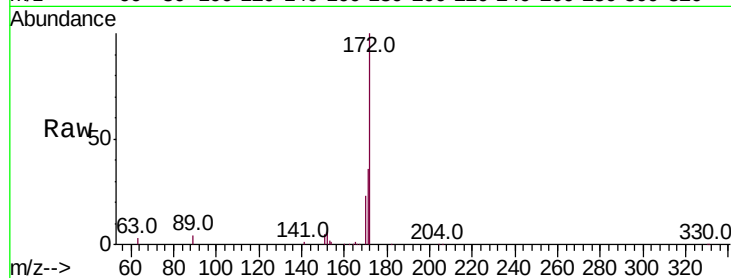




#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

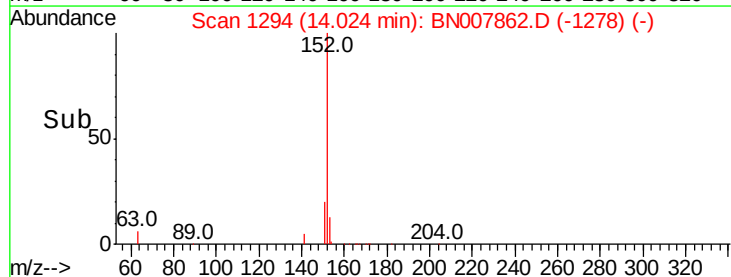
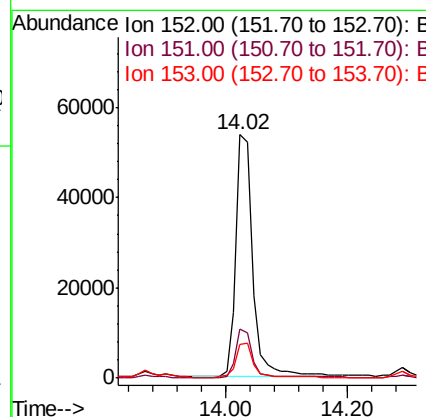
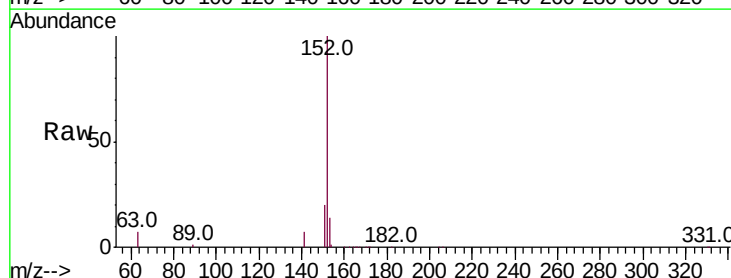
Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

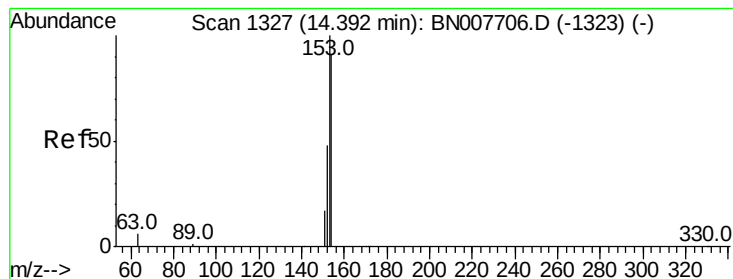
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.2	19.5	29.3



#16
Acenaphthylene
Concen: 0.993 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	14.2	10.4	15.6





#17

Acenaphthene

Concen: 0.510 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

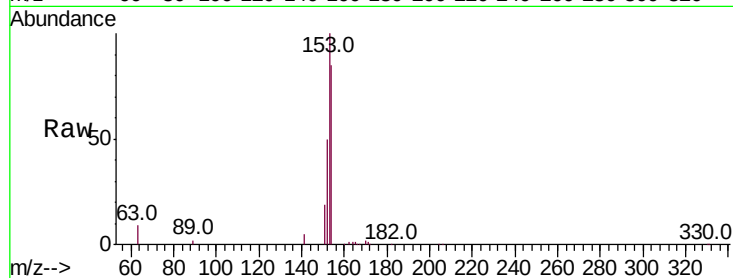
Tot Ion:154 Resp: 34686

Ion Ratio Lower Upper

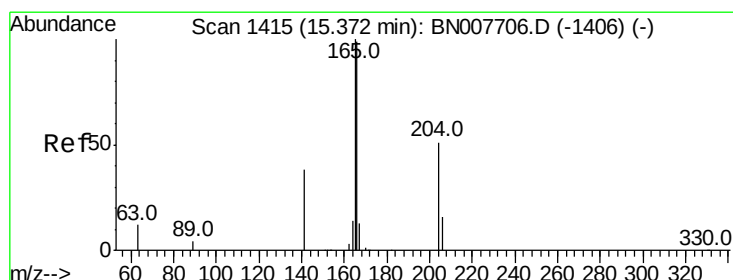
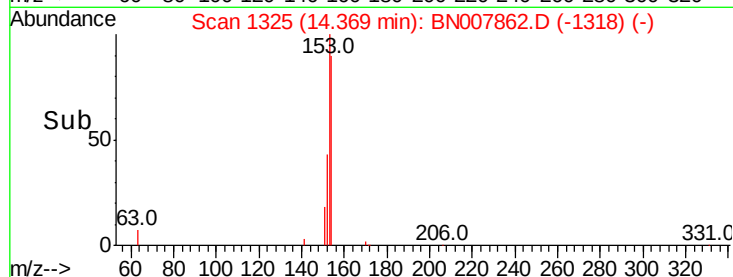
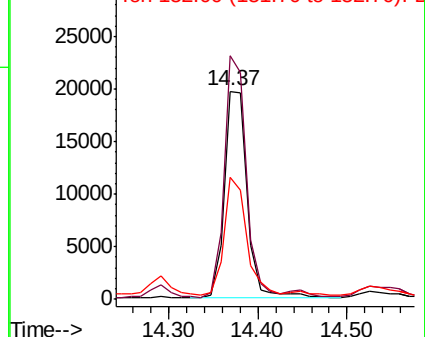
154 100

153 113.1 87.0 130.4

152 56.2 42.7 64.1



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: 0.597 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

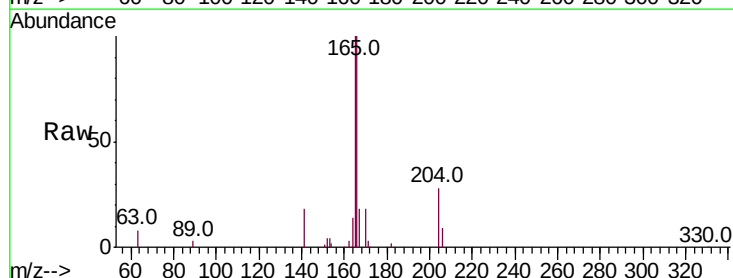
Tgt Ion:166 Resp: 52033

Ion Ratio Lower Upper

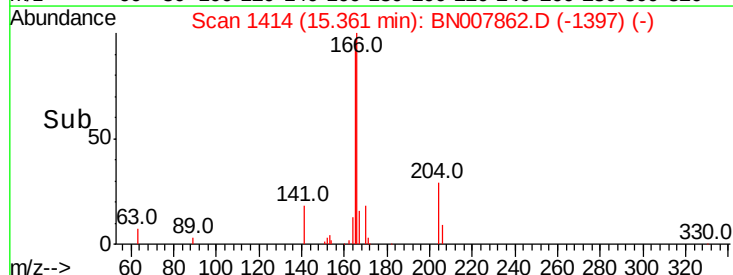
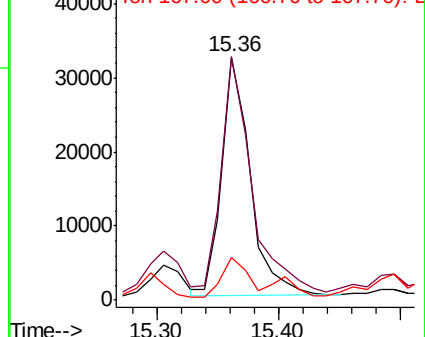
166 100

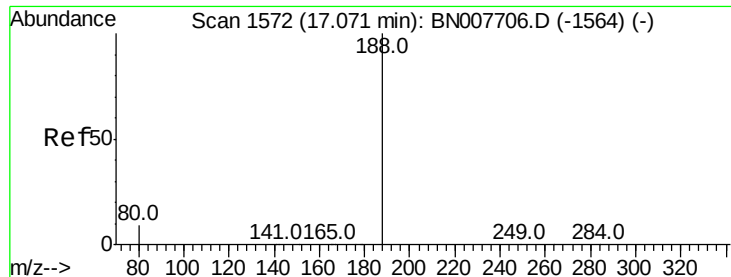
165 104.8 78.0 117.0

167 17.5 10.9 16.3#



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: 17.06 min Scan# 1571

Delta R.T. -0.01 min

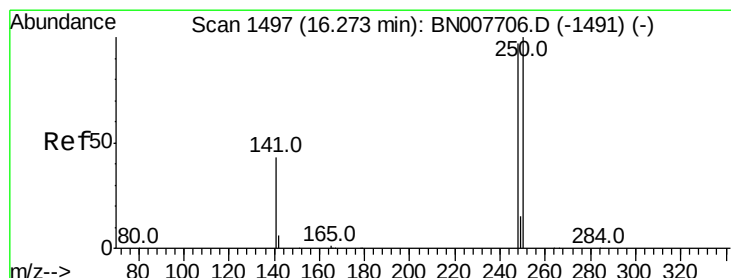
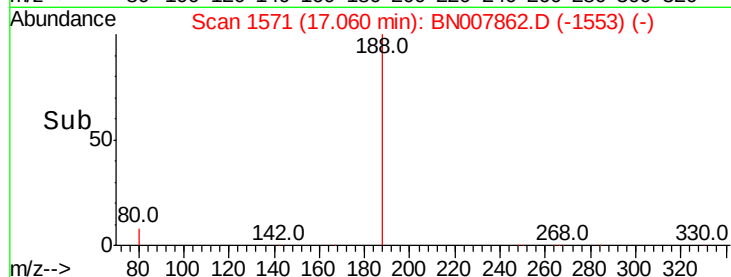
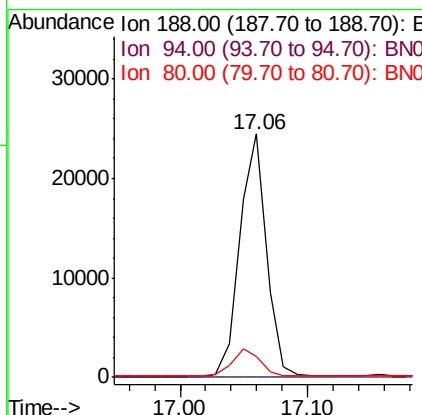
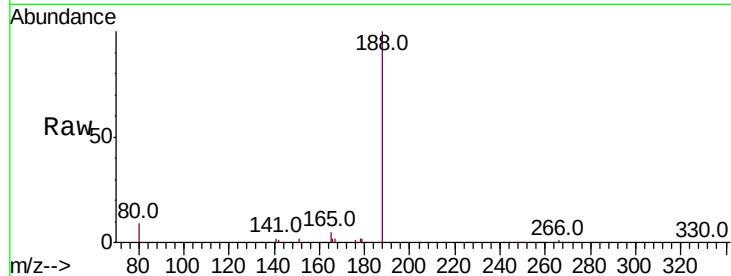
Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tot Ion:188 Resp: 35416

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	7.4	11.2



#20

4-Bromophenyl-phenylether

Concen: 0.361 ng

RT: 16.25 min Scan# 1495

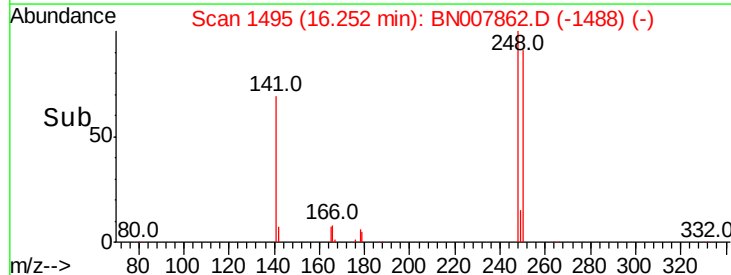
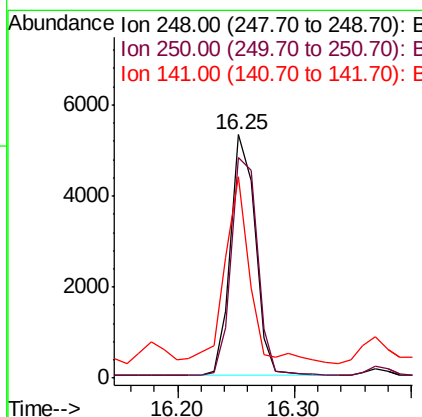
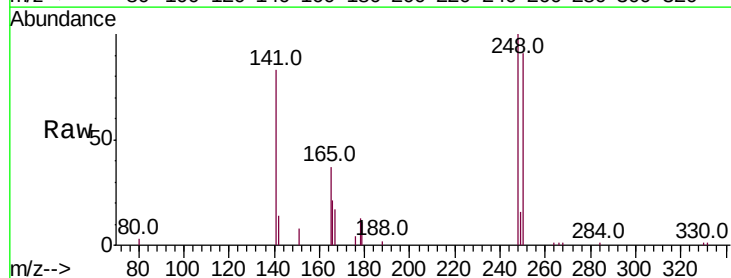
Delta R.T. -0.02 min

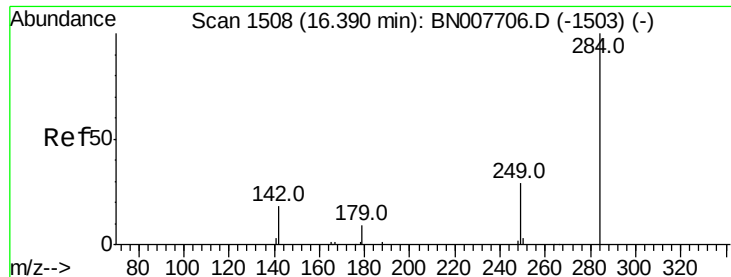
Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Tgt Ion:248 Resp: 7764

Ion	Ratio	Lower	Upper
248	100		
250	90.9	82.2	123.4
141	82.8	36.3	54.5#





#21

Hexachlorobenzene

Concen: 0.327 ng

RT: 16.38 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

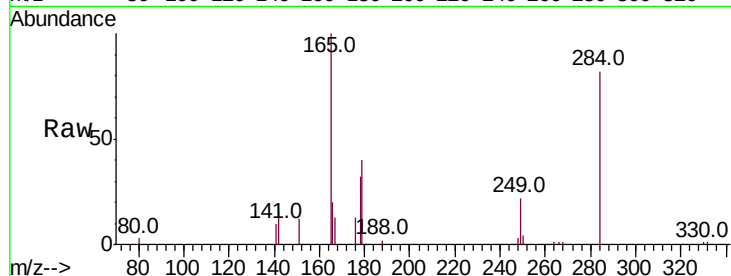
Tot Ion:284 Resp: 7679

Ion Ratio Lower Upper

284 100

142 35.1 25.8 38.6

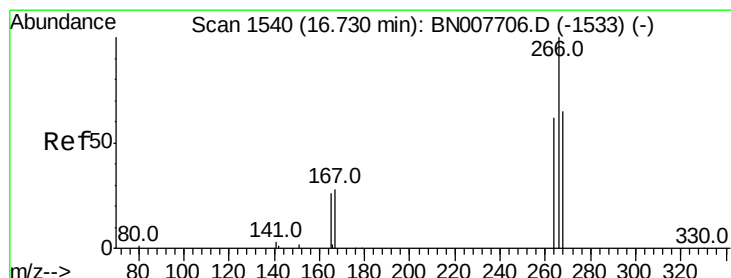
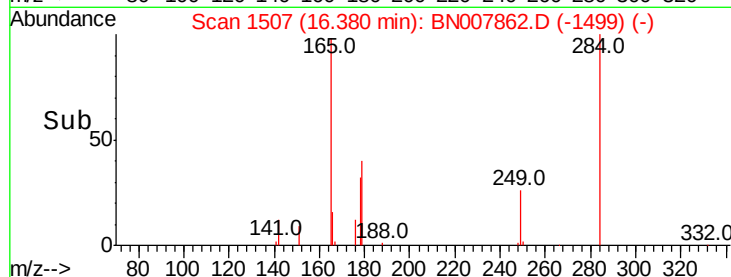
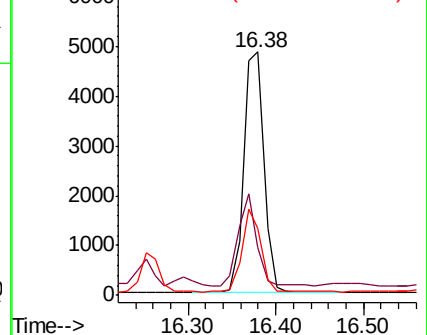
249 31.7 25.9 38.9



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: 0.545 ng

RT: 16.71 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

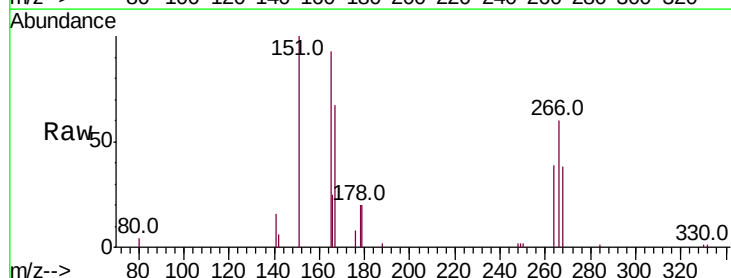
Tgt Ion:266 Resp: 4720

Ion Ratio Lower Upper

266 100

264 64.8 50.0 75.0

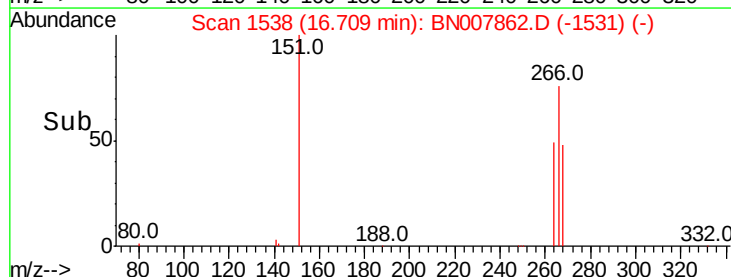
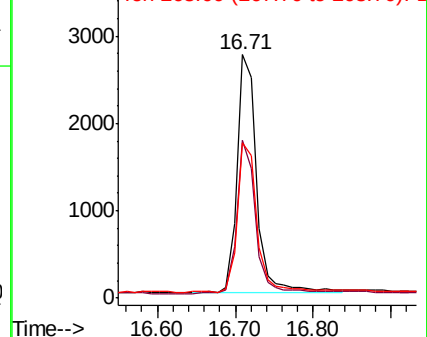
268 64.0 54.2 81.4

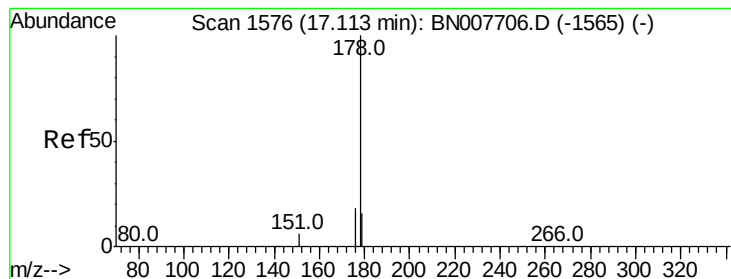


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 7.546 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

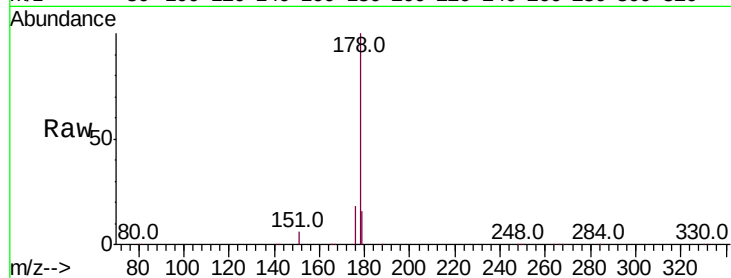
Tot Ion:178 Resp: 832550

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

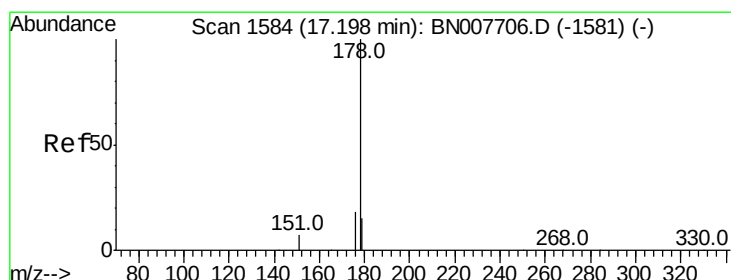
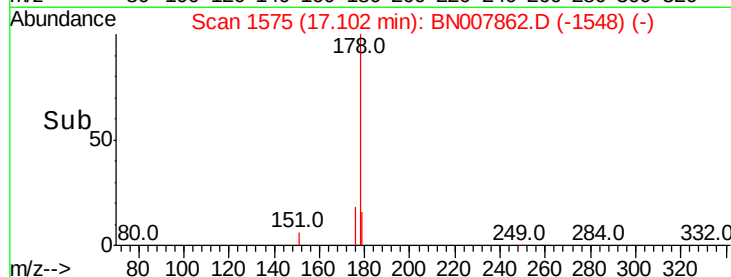
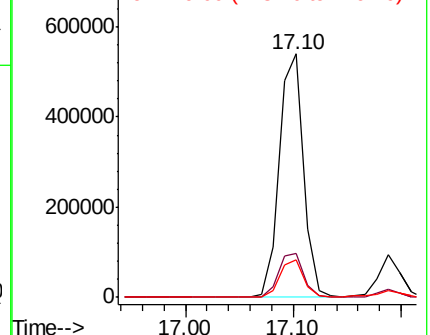
179 15.6 12.5 18.7



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: 1.277 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

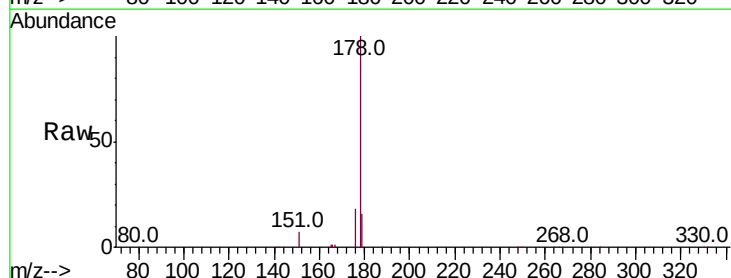
Tgt Ion:178 Resp: 127236

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

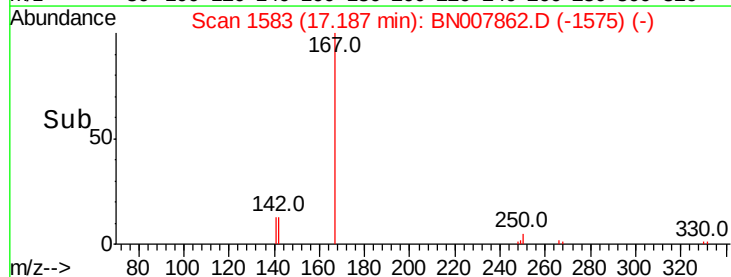
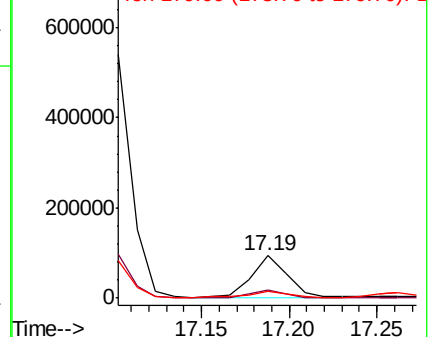
179 16.3 12.2 18.4

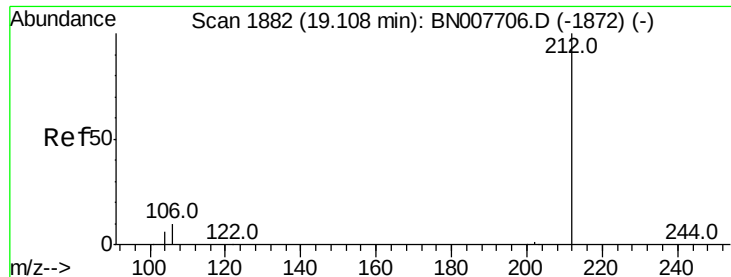


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.306 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

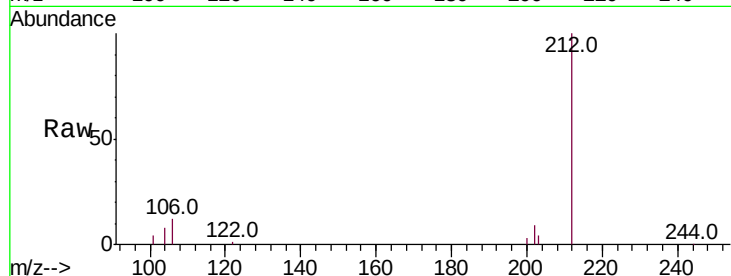
Tot Ion:212 Resp: 36485

Ion Ratio Lower Upper

212 100

106 11.6 9.4 14.0

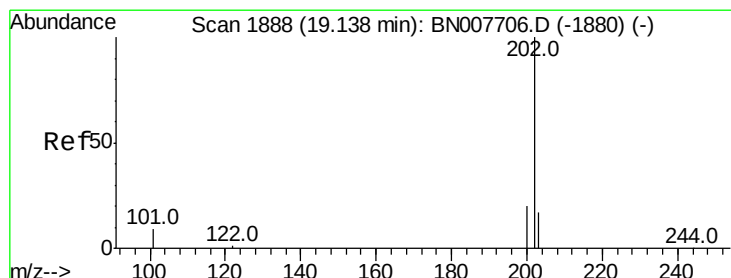
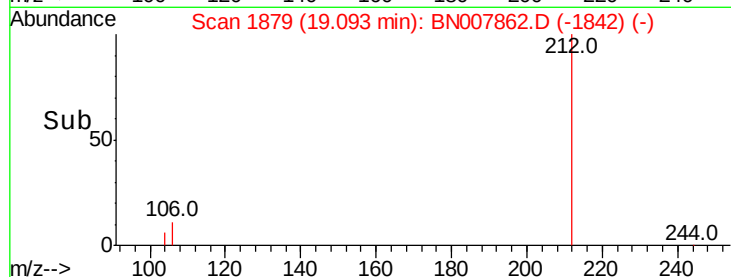
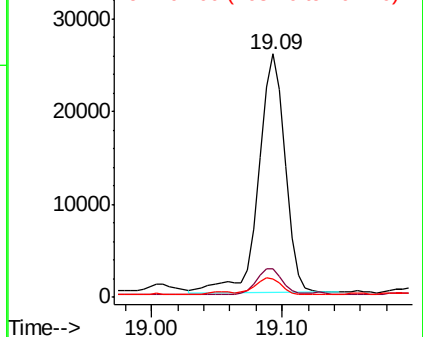
104 6.8 5.3 7.9



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: 6.503 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

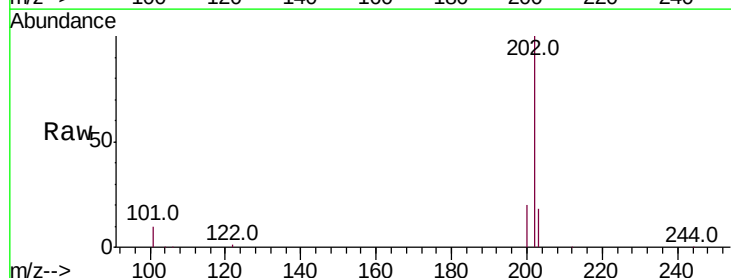
Tgt Ion:202 Resp: 892180

Ion Ratio Lower Upper

202 100

101 10.7 8.4 12.6

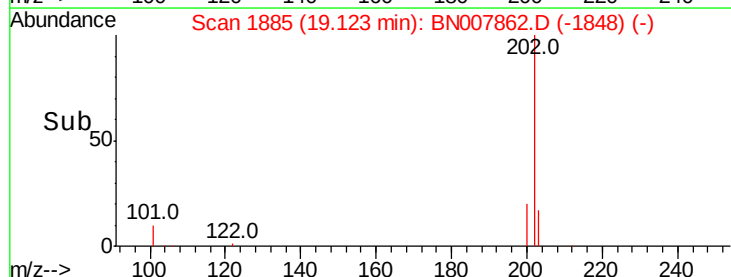
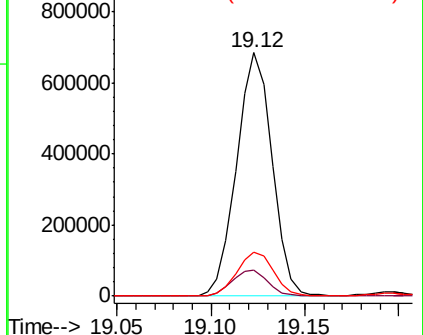
203 18.2 13.8 20.8

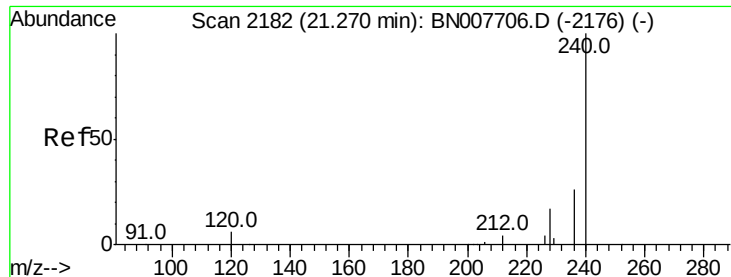


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.25 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

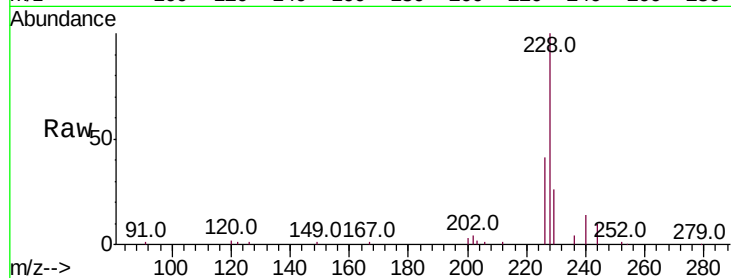
Tot Ion:240 Resp: 34451

Ion Ratio Lower Upper

240 100

120 13.9 5.4 8.2#

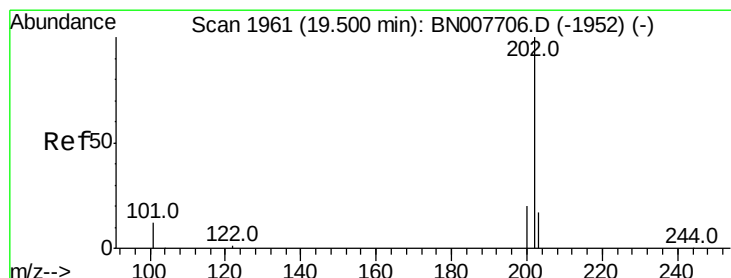
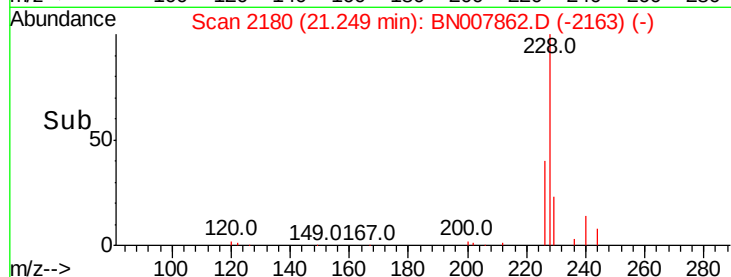
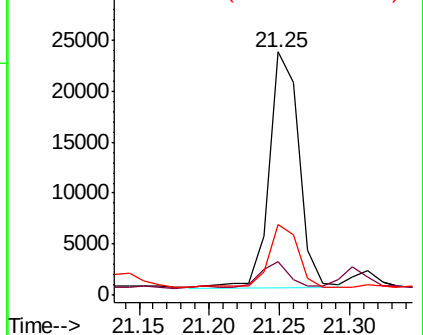
236 29.1 21.0 31.4



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: 12.278 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

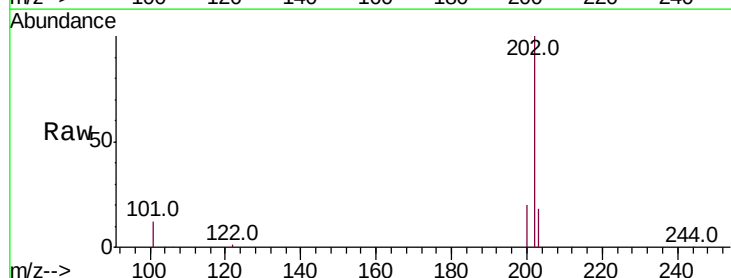
Tgt Ion:202 Resp: 1442593

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

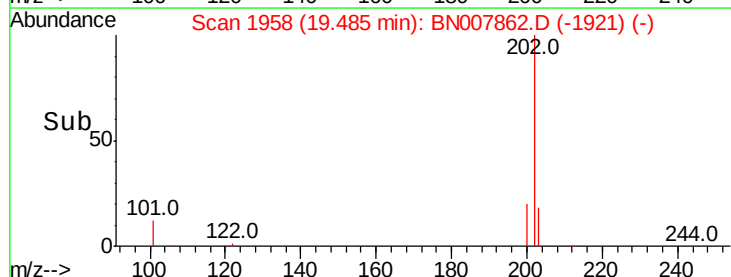
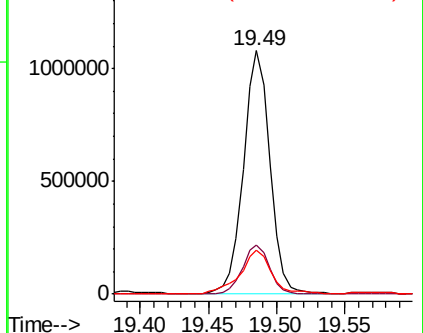
203 21.1 14.1 21.1

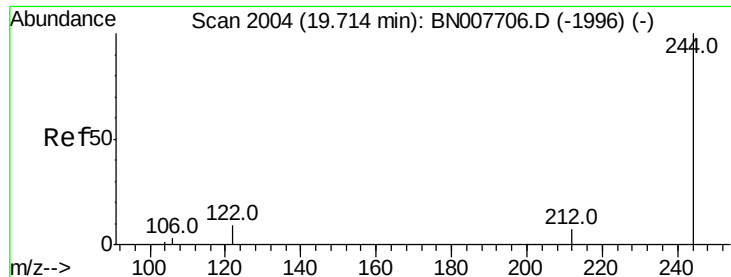


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.338 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

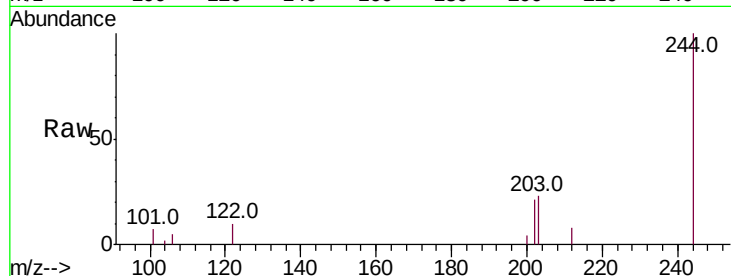
Tot Ion:244 Resp: 28628

Ion Ratio Lower Upper

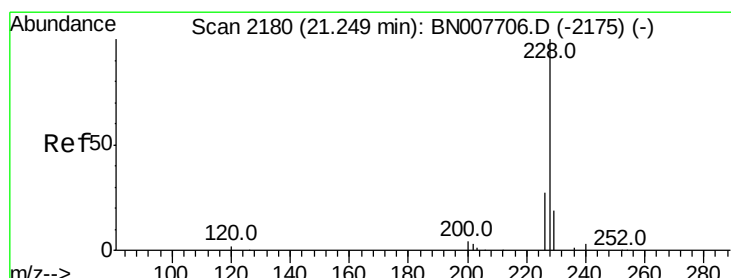
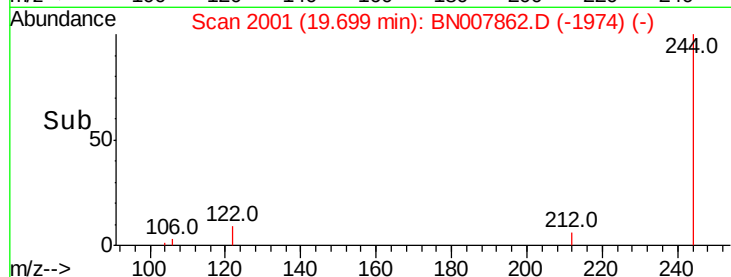
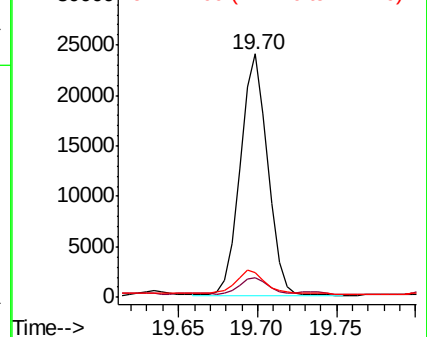
244 100

212 8.1 5.9 8.9

122 10.3 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

Benzo(a)anthracene

Concen: 5.067 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

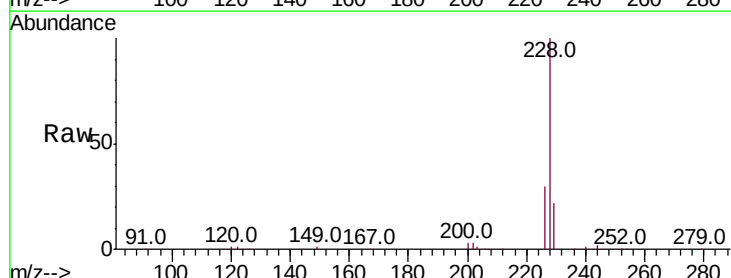
Tgt Ion:228 Resp: 642794

Ion Ratio Lower Upper

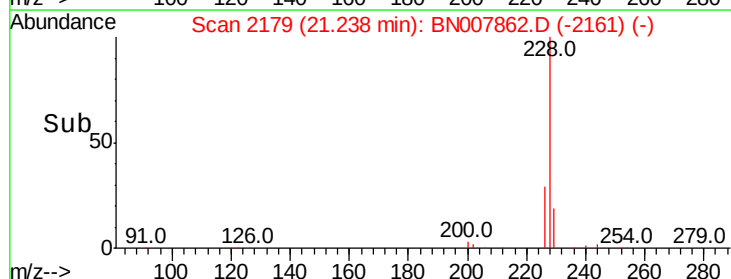
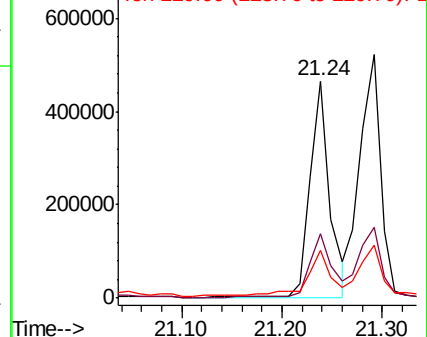
228 100

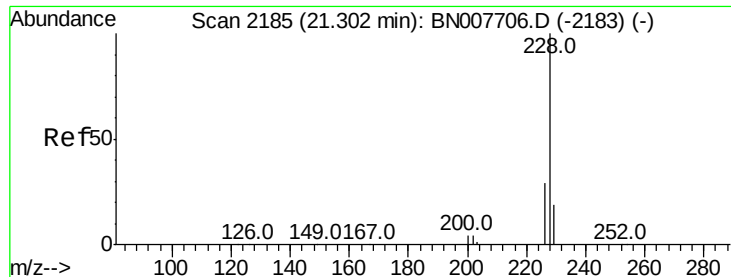
226 29.7 22.1 33.1

229 22.1 15.8 23.6



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





#31

Chrysene

Concen: 6.072 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

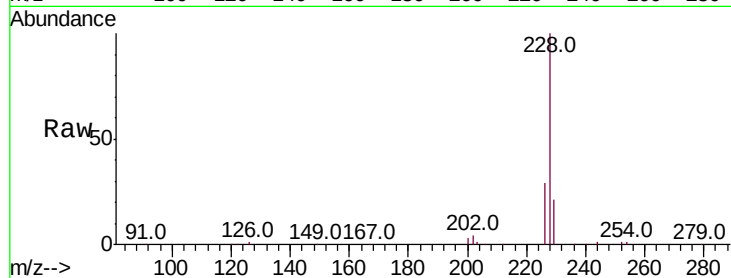
BNA_N

ClientSampleId :

PST-B231-091919-1MSD

Tot Ion:228 Resp: 750795

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	21.5	15.8	23.6

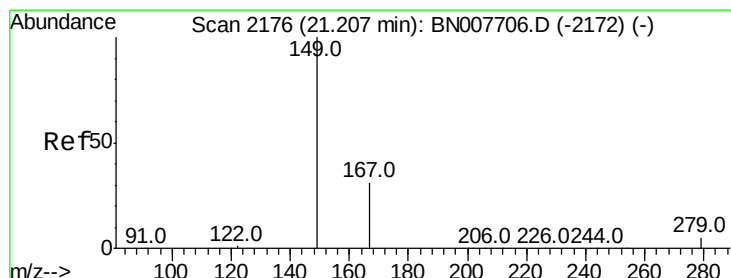
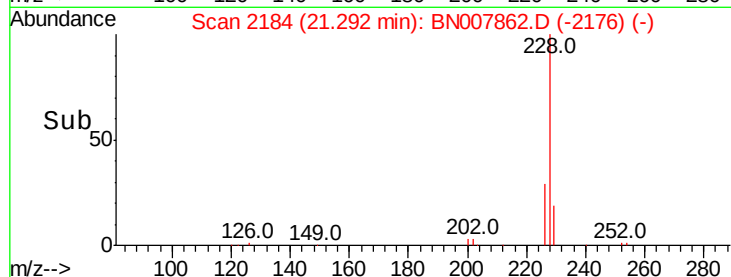
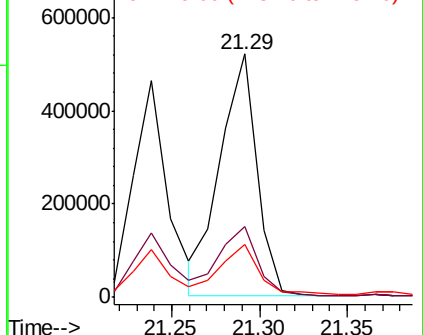


Abundance

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: 0.839 ng

RT: 21.19 min Scan# 2174

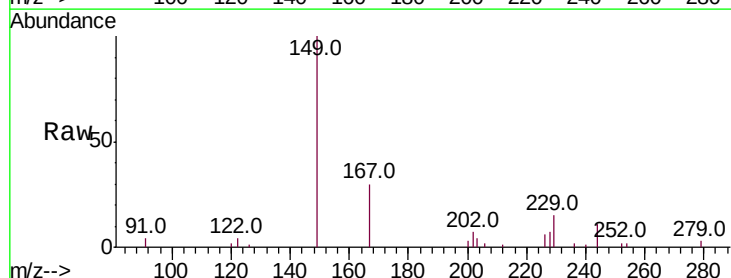
Delta R.T. -0.02 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Tgt Ion:149 Resp: 54747

Ion	Ratio	Lower	Upper
149	100		
167	31.8	23.7	35.5
279	5.2	4.2	6.2

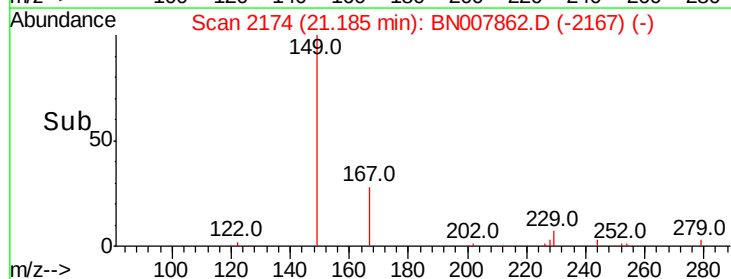
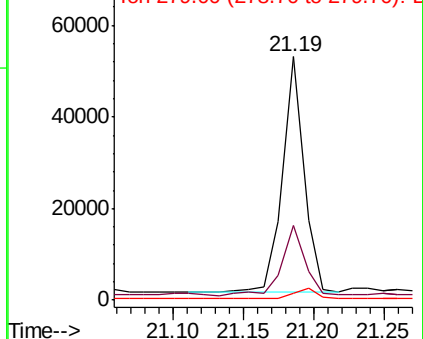


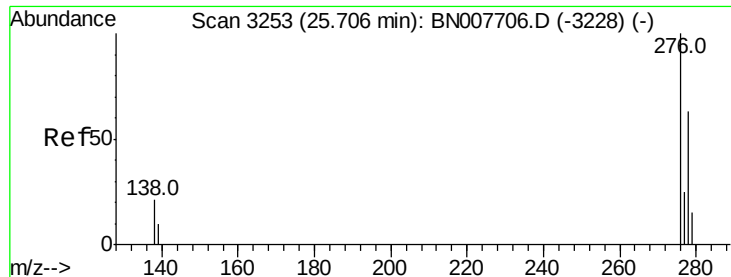
Abundance

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: 2.656 ng

RT: 25.68 min Scan# 3244

Delta R.T. -0.03 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

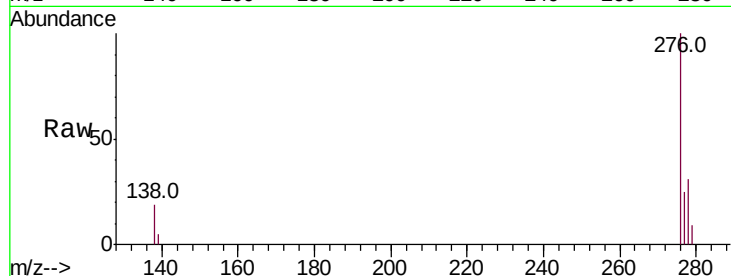
Tot Ion:276 Resp: 411116

Ion Ratio Lower Upper

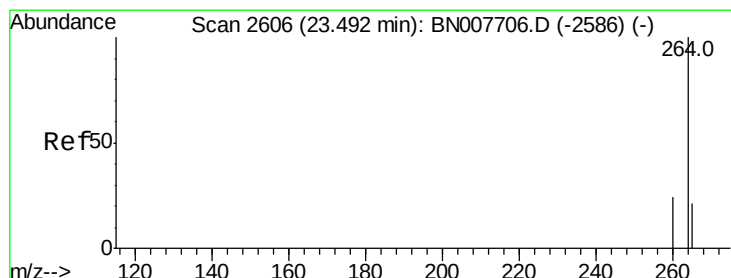
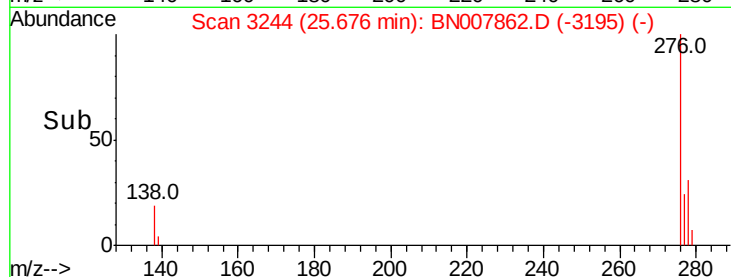
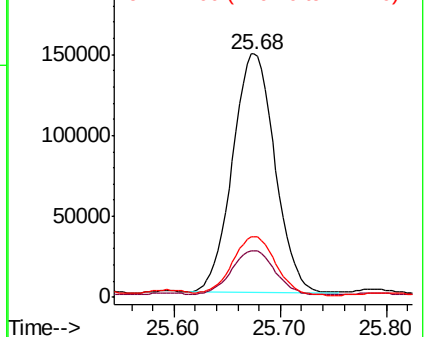
276 100

138 19.2 17.1 25.7

277 24.9 20.0 30.0



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: 23.47 min Scan# 2599

Delta R.T. -0.02 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

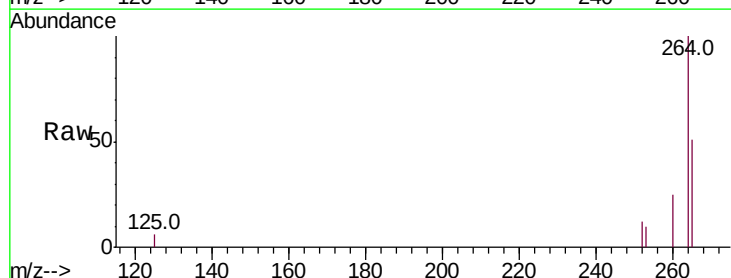
Tgt Ion:264 Resp: 44107

Ion Ratio Lower Upper

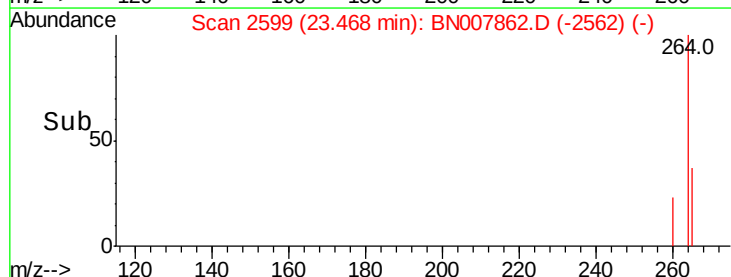
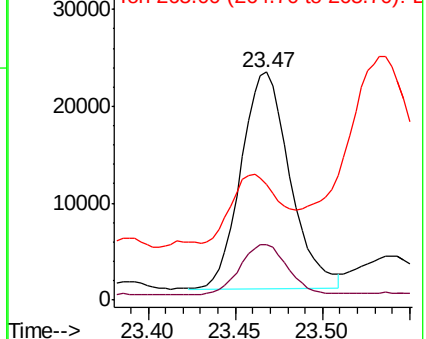
264 100

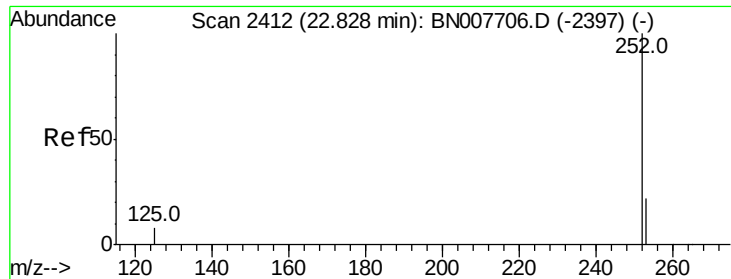
260 24.5 19.3 28.9

265 50.6 26.9 40.3#



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

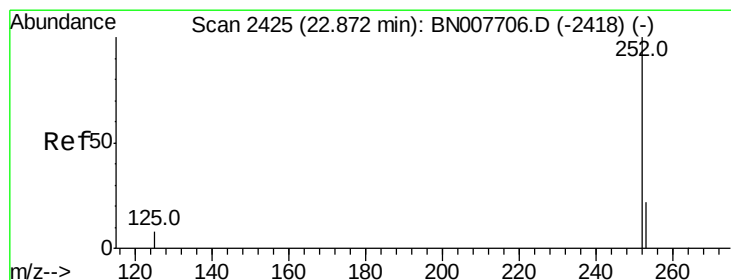
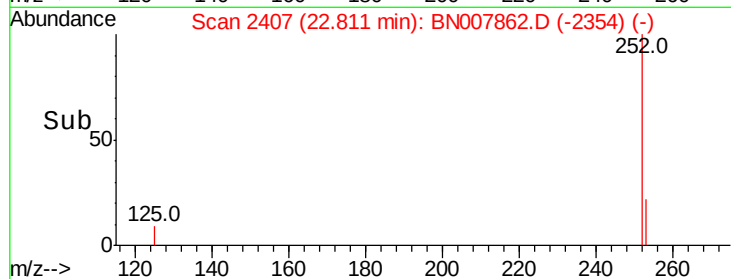
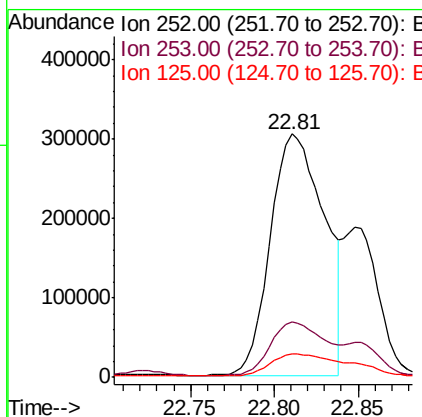
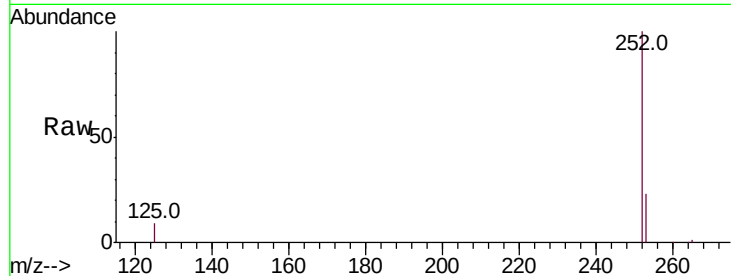




#35
Benzo(b)fluoranthene
Concen: 4.453 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

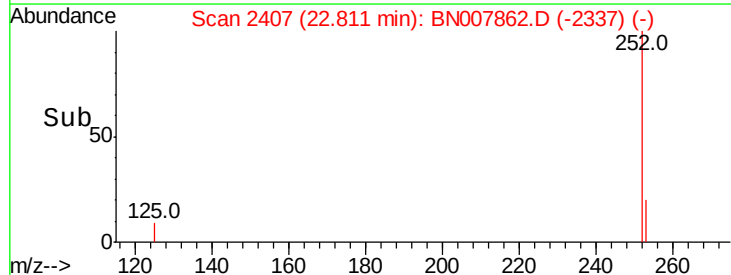
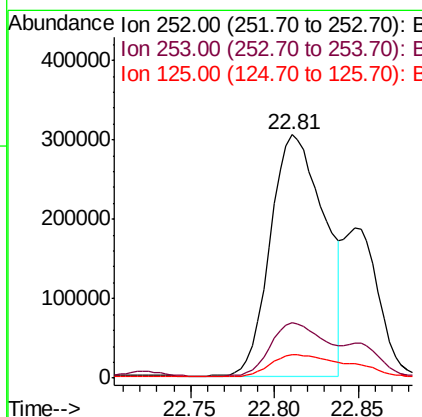
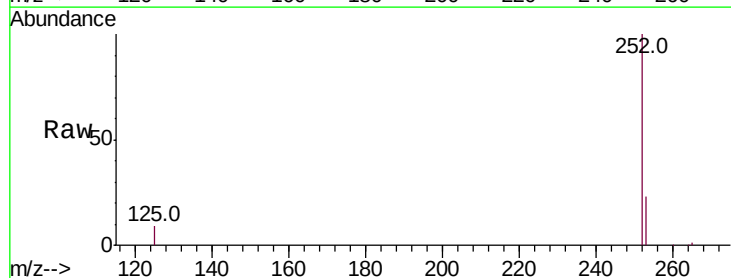
Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

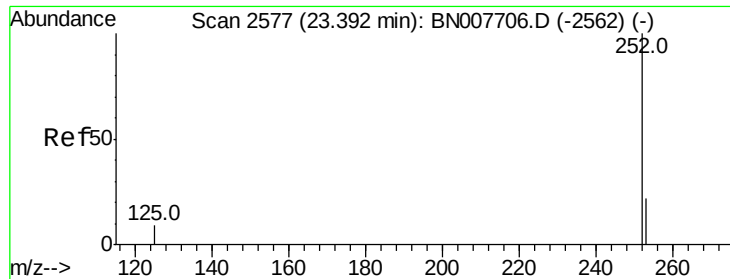
Tot Ion:252 Resp: 681793
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 9.4 8.2 12.4



#36
Benzo(k)fluoranthene
Concen: 4.503 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.06 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:252 Resp: 681793
Ion Ratio Lower Upper
252 100
253 22.8 18.5 27.7
125 9.4 8.4 12.6





#37

Benzo(a)pyrene

Concen: 4.187 ng

RT: 23.37 min Scan# 2571

Delta R.T. -0.02 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

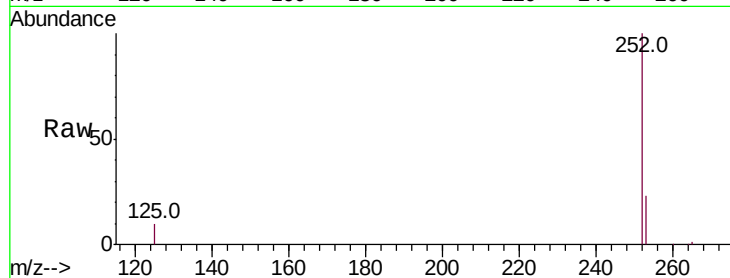
Tot Ion:252 Resp: 602541

Ion Ratio Lower Upper

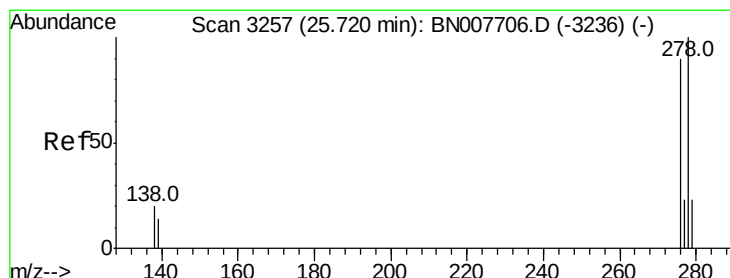
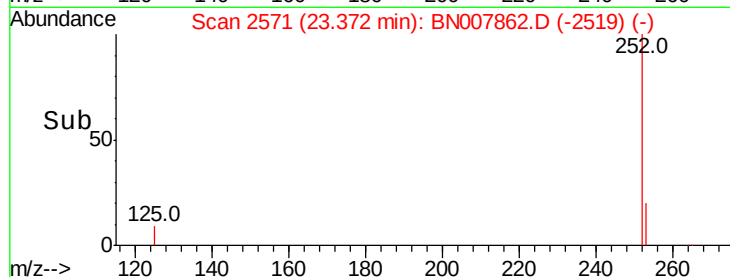
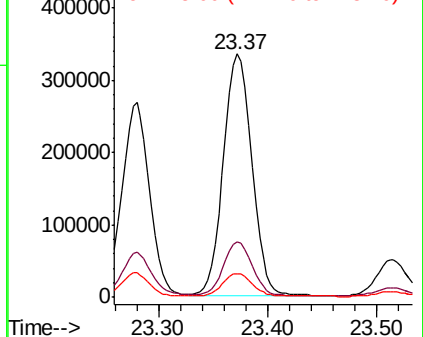
252 100

253 22.6 18.6 27.8

125 9.8 9.4 14.0



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: 1.062 ng

RT: 25.69 min Scan# 3247

Delta R.T. -0.03 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

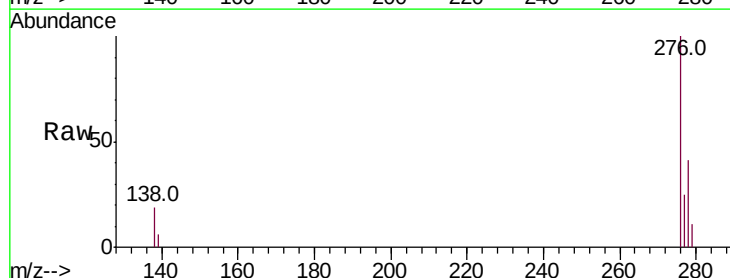
Tgt Ion:278 Resp: 156386

Ion Ratio Lower Upper

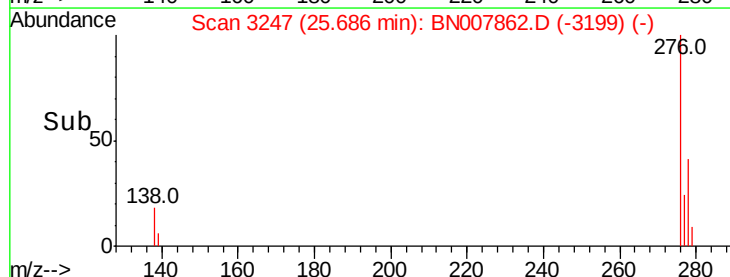
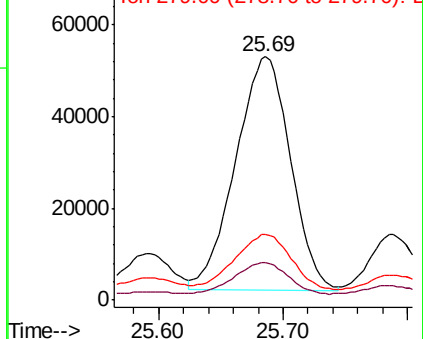
278 100

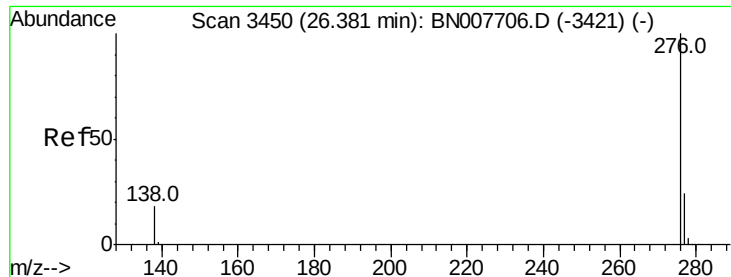
139 15.6 11.8 17.6

279 27.2 19.4 29.2



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: 3.372 ng

RT: 26.35 min Scan# 3440

Delta R.T. -0.03 min

Lab File: BN007862.D

Acq: 25 Sep 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MSD

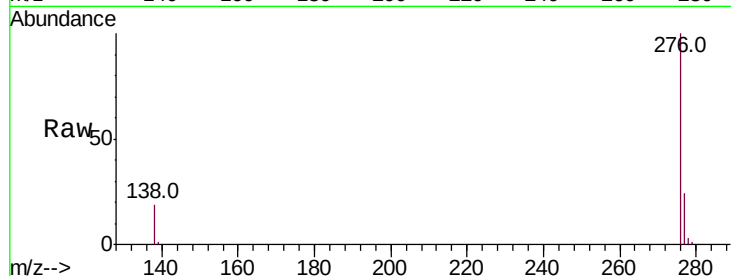
Tot Ion:276 Resp: 491254

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.8

138 19.0 15.1 22.7



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

