

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
 Data File : BN007904.D
 Acq On : 30 Sep 2019 19:37
 Operator : JU
 Sample : K5078-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW131-092519

Quant Time: Oct 01 07:56:43 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	8309	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	31214	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	16308	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	29611	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	31236	0.40	ng	-0.01
34) Perylene-d12	23.47	264	38054	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	6216	0.22	ng	0.00
5) Phenol-d6	6.86	99	8237	0.23	ng	0.00
8) Nitrobenzene-d5	8.83	82	6968	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	12128	0.23	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1514	0.17	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	16145	0.24	ng	-0.01
25) Fluoranthene-d10	19.09	212	20860	0.21	ng	-0.01
29) Terphenyl-d14	19.70	244	16275	0.21	ng	-0.01

Target Compounds

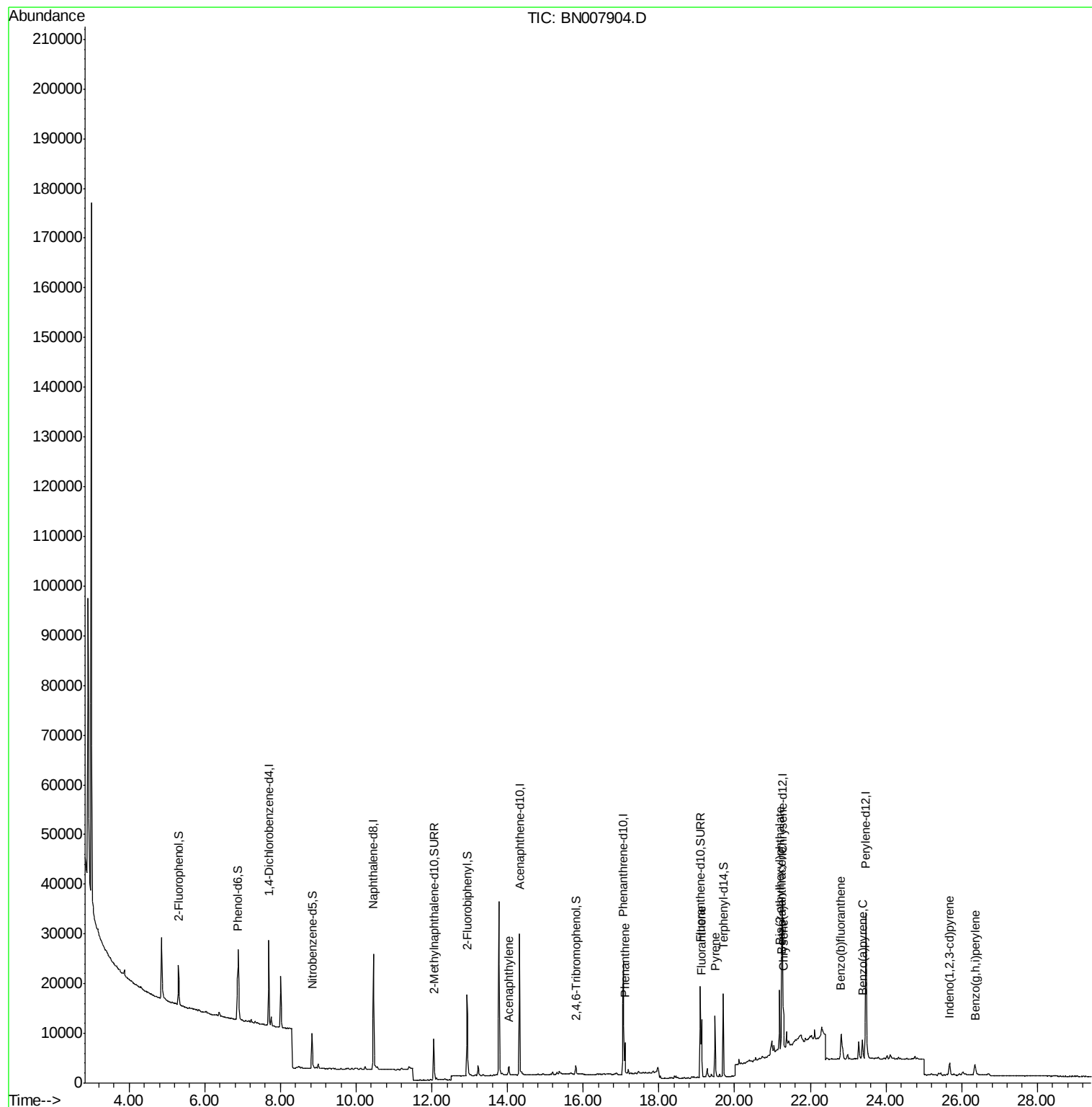
						Qvalue
16) Acenaphthylene	14.04	152	3230	0.037	ng	97
23) Phenanthrene	17.10	178	6890	0.075	ng	98
26) Fluoranthene	19.12	202	10334	0.090	ng	98
28) Pyrene	19.49	202	10809	0.101	ng	# 96
30) Benzo(a)anthracene	21.24	228	4632	0.040	ng	# 76
31) Chrysene	21.29	228	6268	0.056	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.19	149	10297	0.174	ng	98
33) Indeno(1,2,3-cd)pyrene	25.68	276	4043	0.029	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	8287	0.063	ng	# 64
37) Benzo(a)pyrene	23.38	252	5315	0.043	ng	# 52
39) Benzo(a,h,i)perylene	26.35	276	4741	0.038	ng	# 72

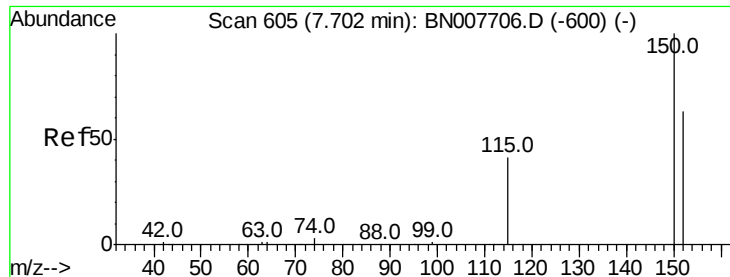
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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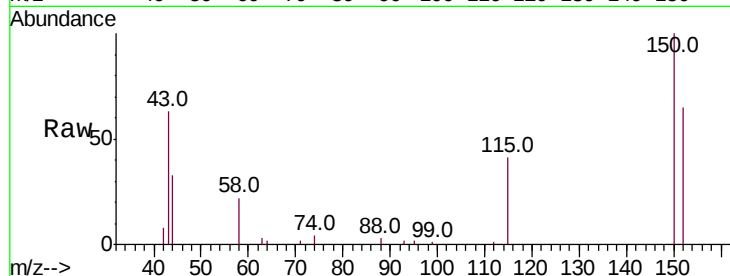


#1

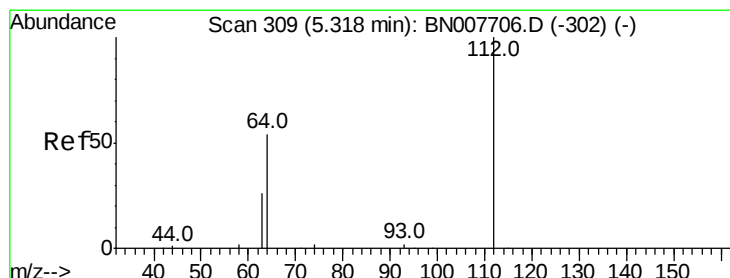
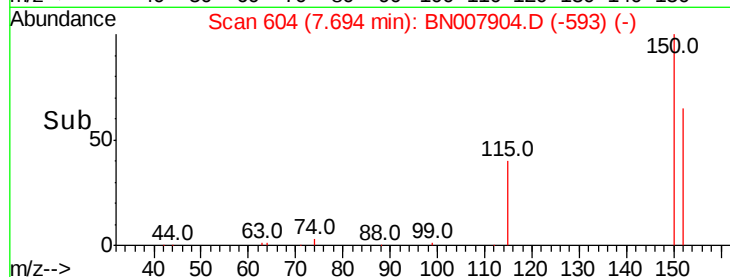
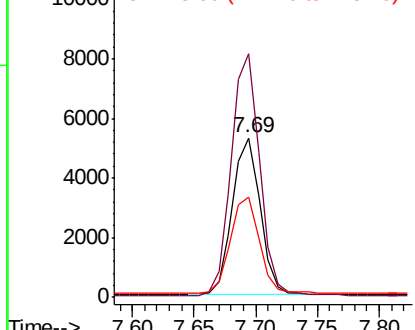
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007904.D
Acq: 30 Sep 2019 19:37

Instrument :
BNA_N
ClientSampleId :
PST-024-SW131-092519

Tot Ion:152 Resp: 8309
Ion Ratio Lower Upper
152 100
150 153.0 125.6 188.4
115 63.1 53.3 79.9



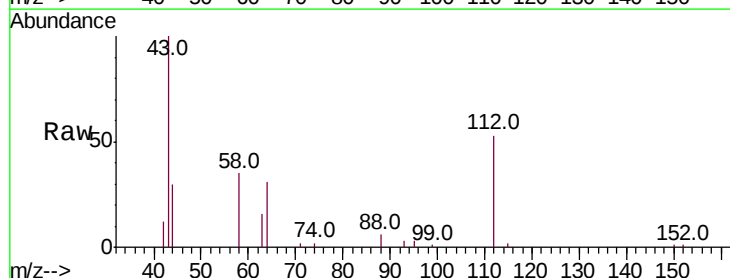
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



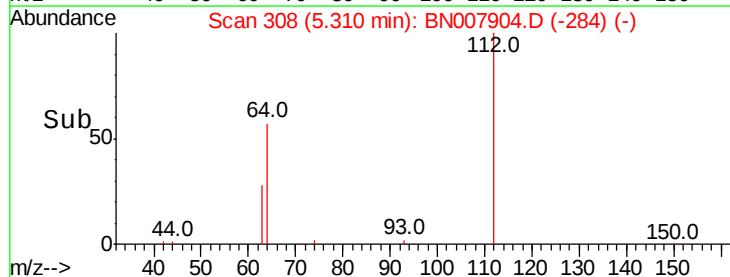
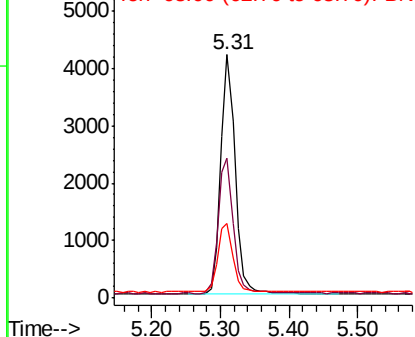
#4

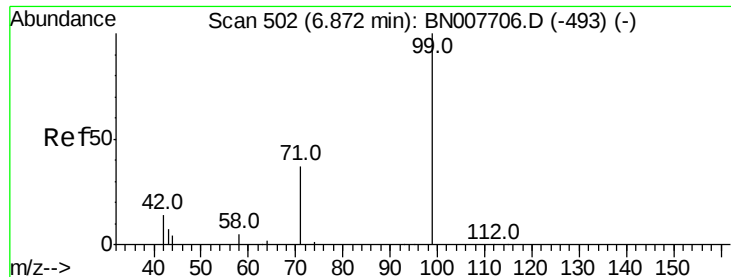
2-Fluorophenol
Concen: 0.217 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007904.D
Acq: 30 Sep 2019 19:37

Tgt Ion:112 Resp: 6216
Ion Ratio Lower Upper
112 100
64 59.3 46.6 70.0
63 29.7 23.1 34.7



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





#5

Phenol-d6

Concen: 0.228 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

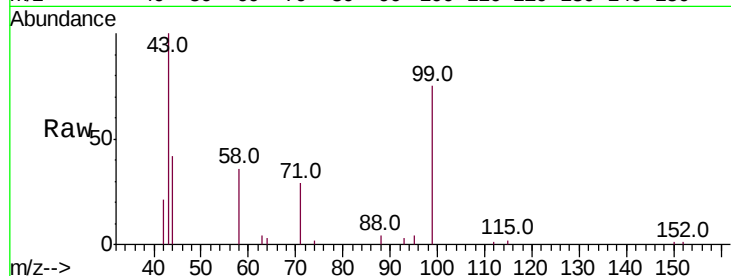
Tot Ion: 99 Resp: 8237

Ion Ratio Lower Upper

99 100

42 23.1 12.8 19.2#

71 34.0 27.6 41.4



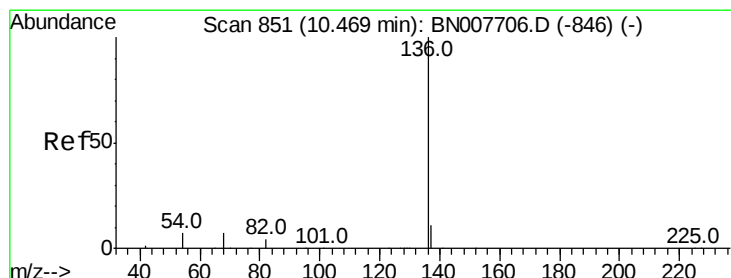
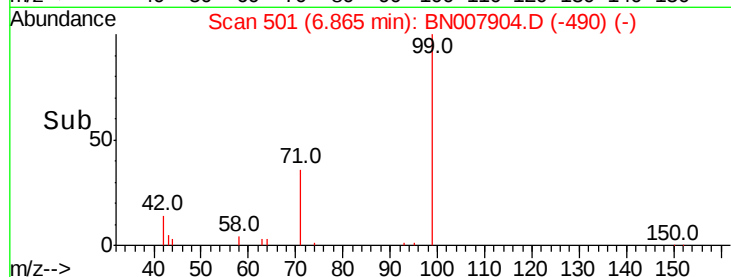
Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)

6.86

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Tgt Ion: 136 Resp: 31214

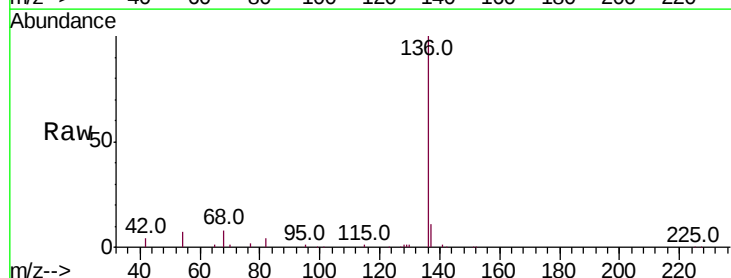
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 6.8 5.8 8.8

68 7.5 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

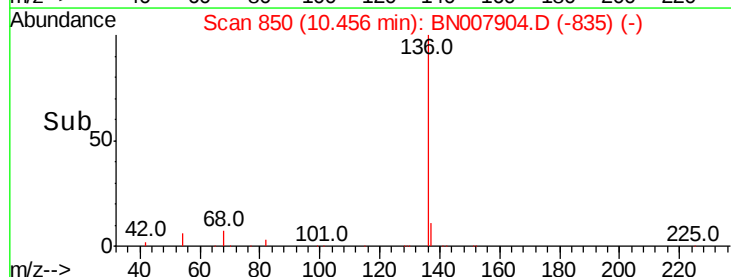
Ion 137.00 (136.70 to 137.70): BN007706.D (-846) (-)

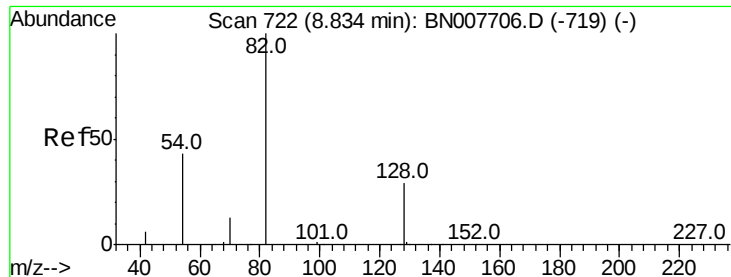
Ion 54.00 (53.70 to 54.70): BN007706.D (-846) (-)

Ion 68.00 (67.70 to 68.70): BN007706.D (-846) (-)

10.46

Time-->





#8

Nitrobenzene-d5

Concen: 0.255 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

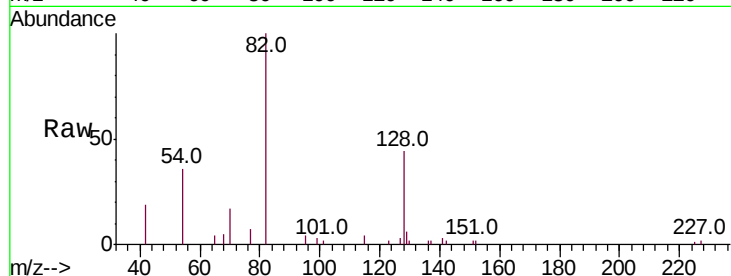
Tot Ion: 82 Resp: 6968

Ion Ratio Lower Upper

82 100

128 43.8 24.5 36.7#

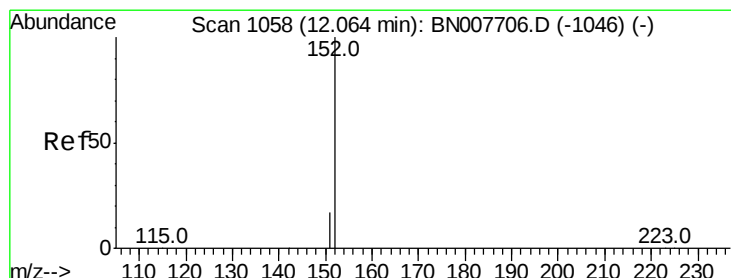
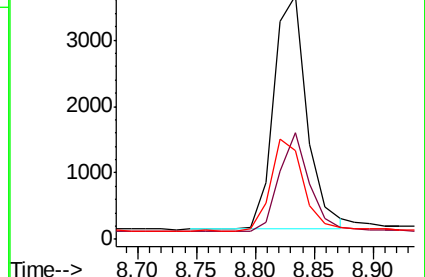
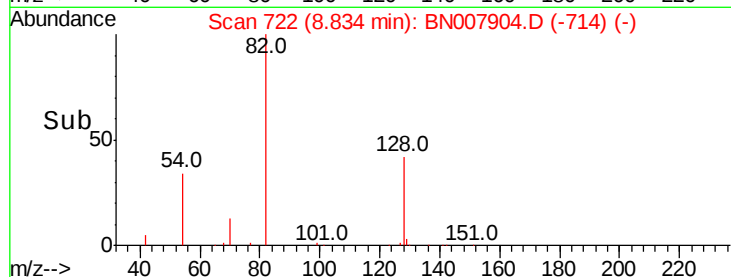
54 36.2 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.231 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007904.D

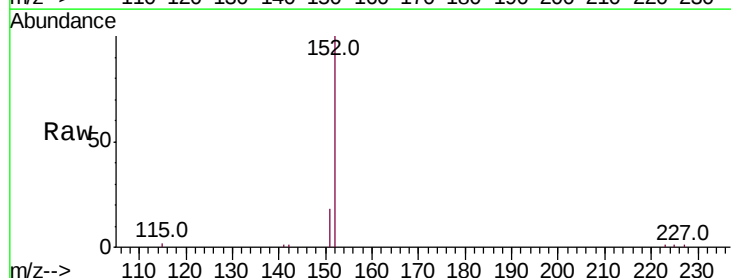
Acq: 30 Sep 2019 19:37

Tgt Ion: 152 Resp: 12128

Ion Ratio Lower Upper

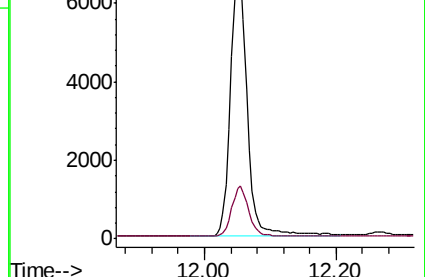
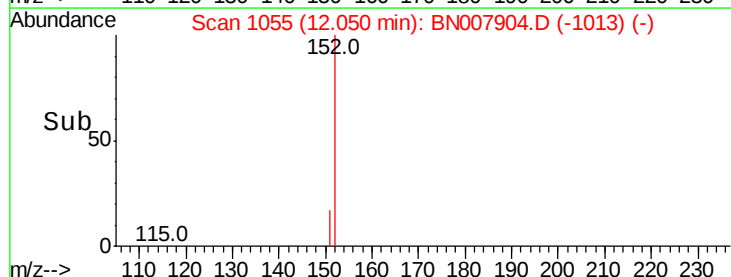
152 100

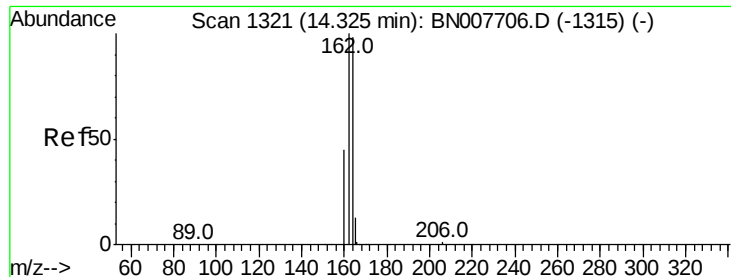
151 18.9 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): BN007706.D (-1046) (-)

Ion 151.00 (150.70 to 151.70): BN007706.D (-1046) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

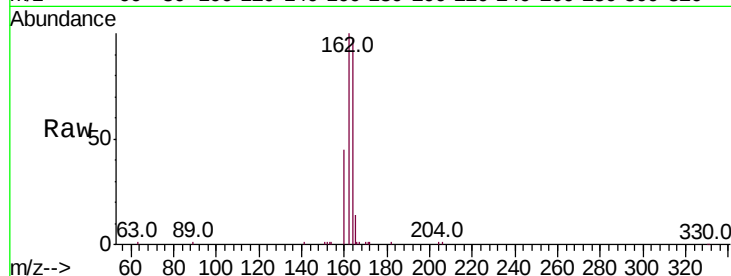
Tot Ion:164 Resp: 16308

Ion Ratio Lower Upper

164 100

162 103.2 81.7 122.5

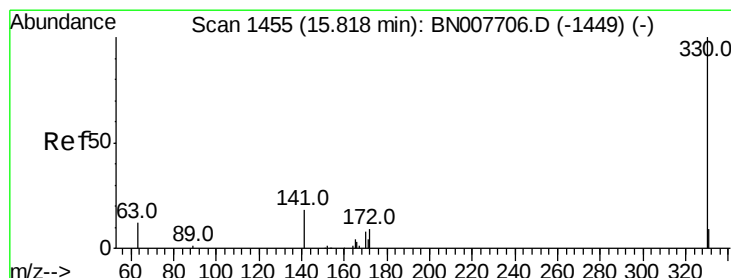
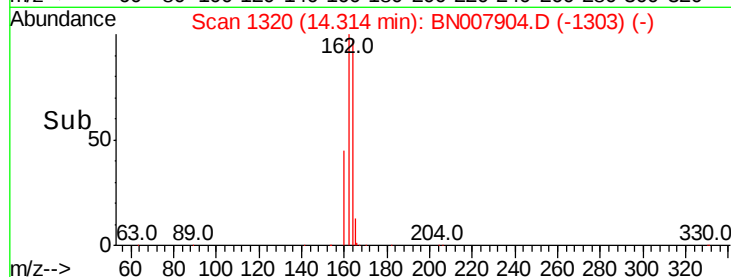
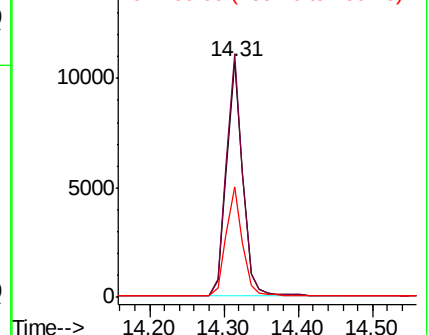
160 46.7 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.170 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

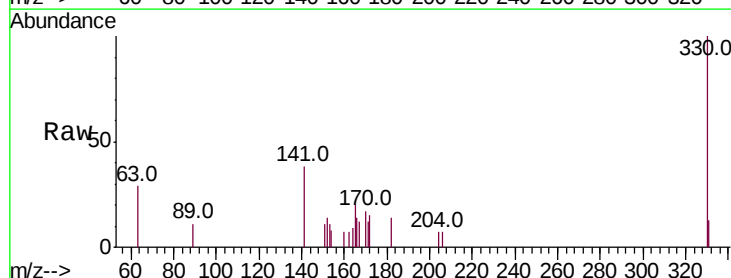
Tgt Ion:330 Resp: 1514

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

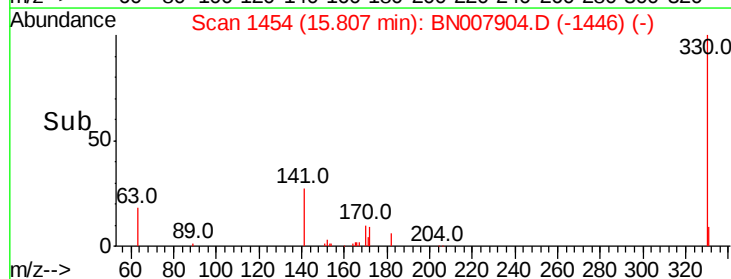
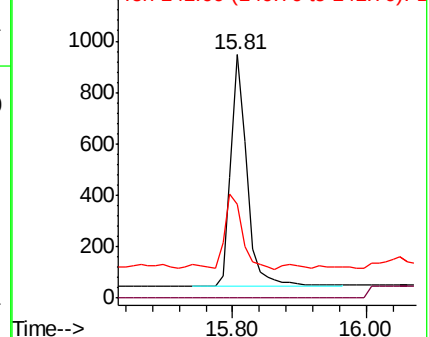
141 35.0 28.7 43.1

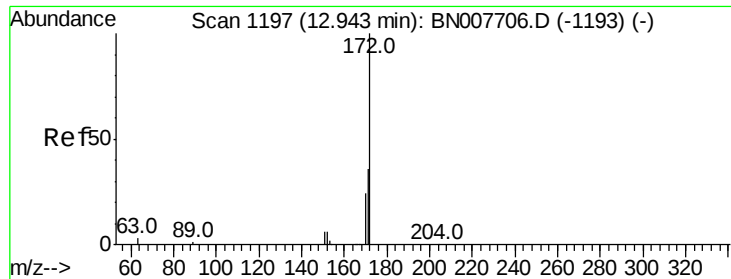


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

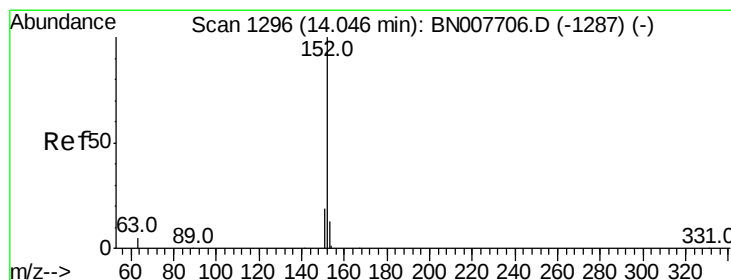
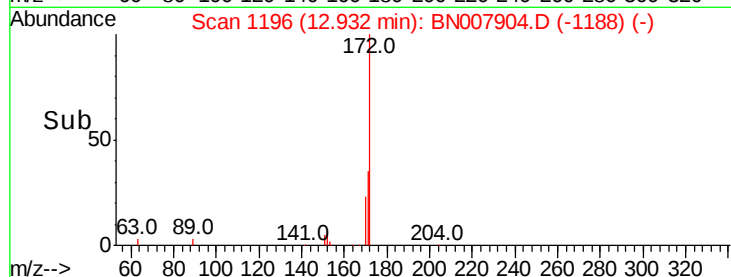
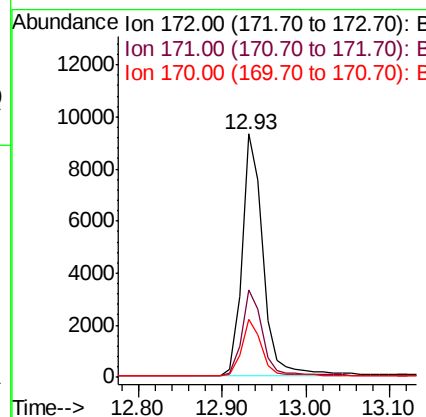
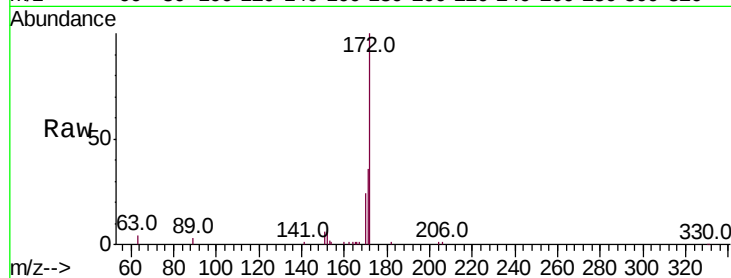




#15
2-Fluorobiphenyl
Concen: 0.240 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007904.D
Acq: 30 Sep 2019 19:37

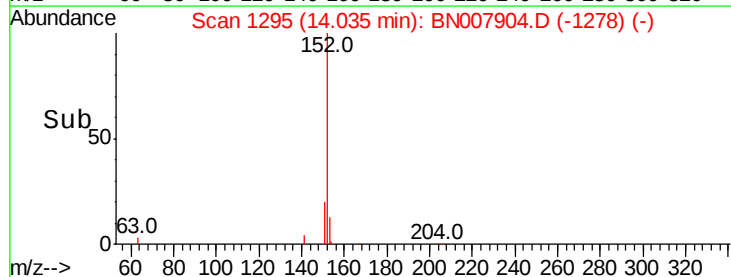
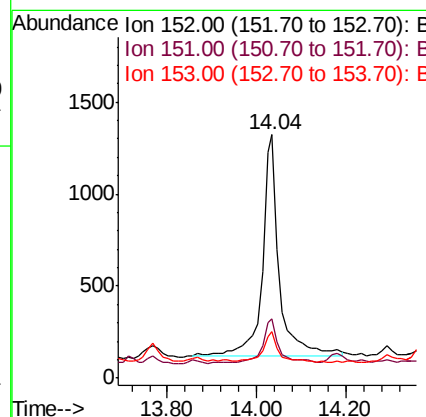
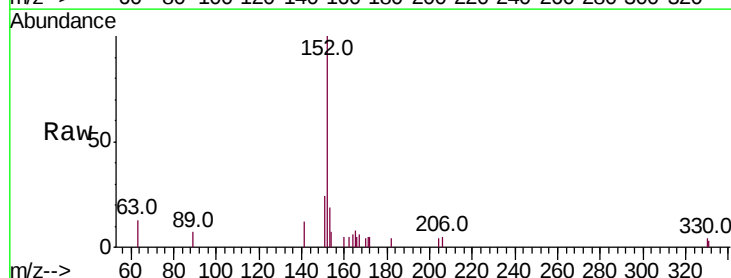
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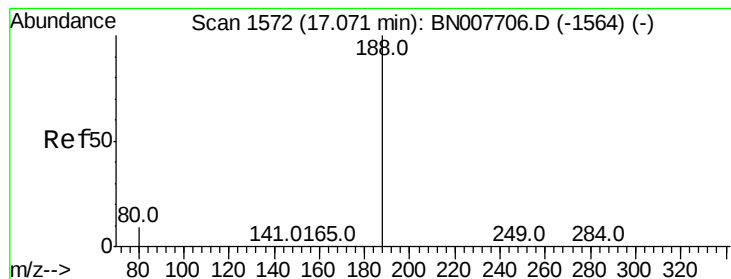
Tot Ion:172 Resp: 16145
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.6 19.5 29.3



#16
Acenaphthylene
Concen: 0.037 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007904.D
Acq: 30 Sep 2019 19:37

Tgt Ion:152 Resp: 3230
Ion Ratio Lower Upper
152 100
151 21.5 15.5 23.3
153 13.2 10.4 15.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

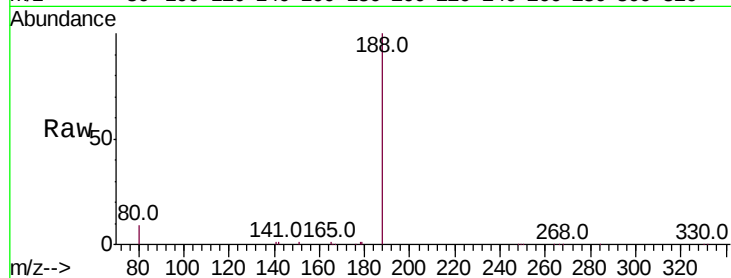
Tot Ion:188 Resp: 29611

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

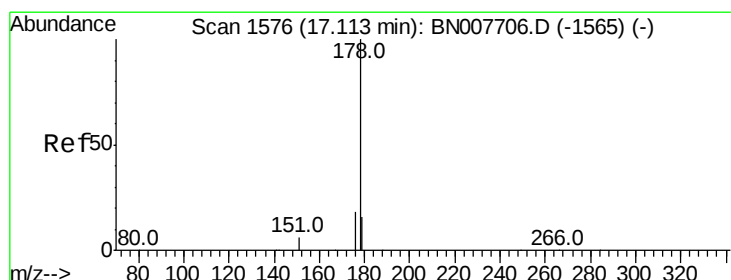
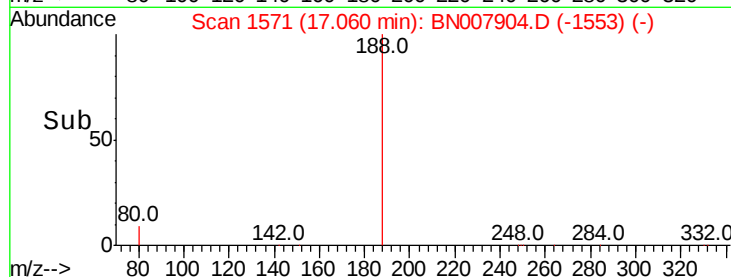
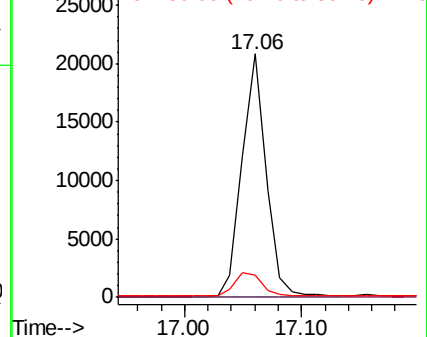
80 9.2 7.4 11.2



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



#23

Phenanthrene

Concen: 0.075 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

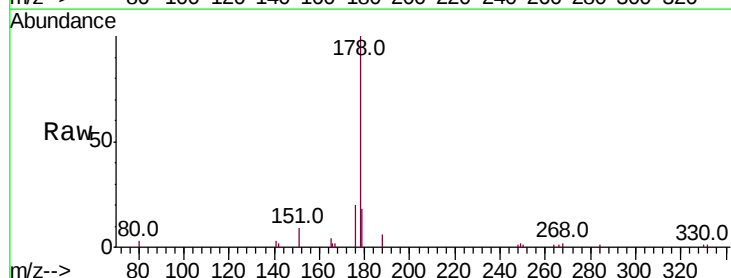
Tgt Ion:178 Resp: 6890

Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

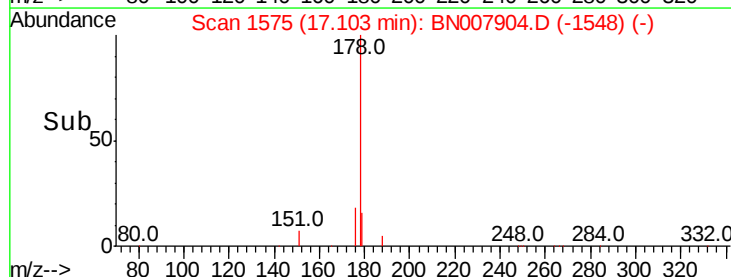
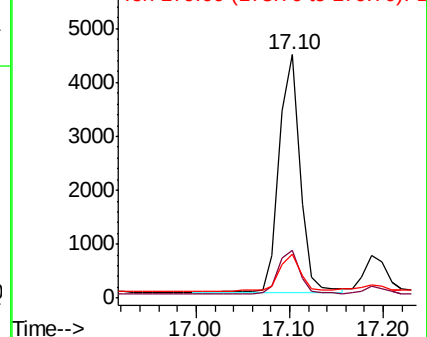
179 17.0 12.5 18.7

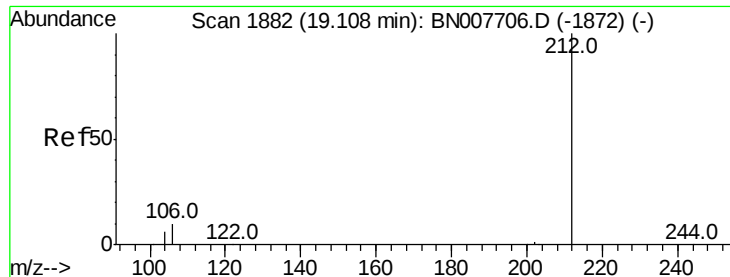


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.209 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

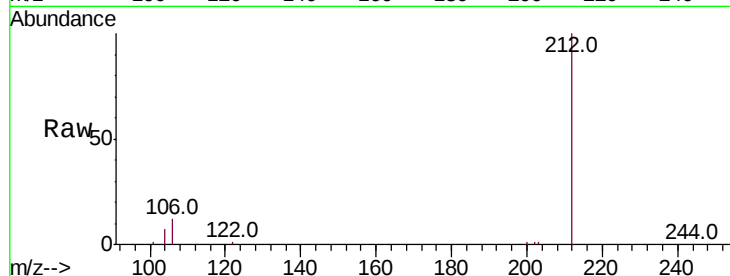
Tot Ion:212 Resp: 20860

Ion Ratio Lower Upper

212 100

106 11.9 9.4 14.0

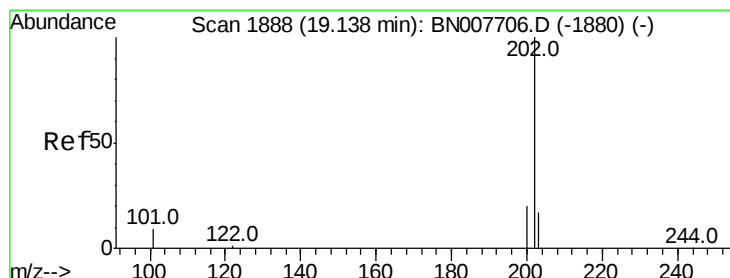
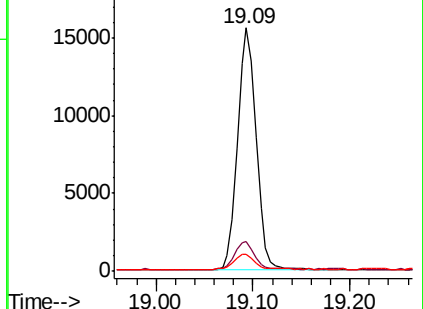
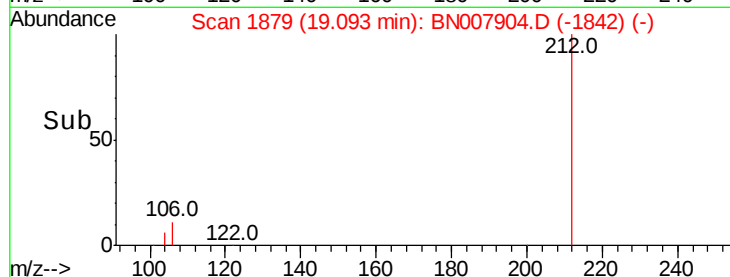
104 6.9 5.3 7.9



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: 0.090 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

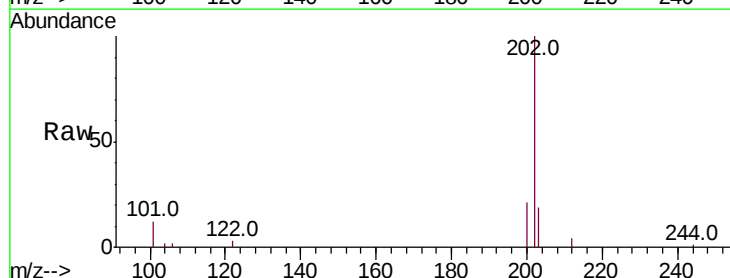
Tgt Ion:202 Resp: 10334

Ion Ratio Lower Upper

202 100

101 11.4 8.4 12.6

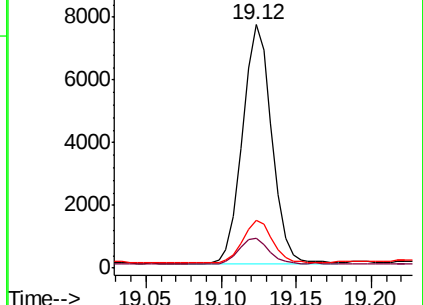
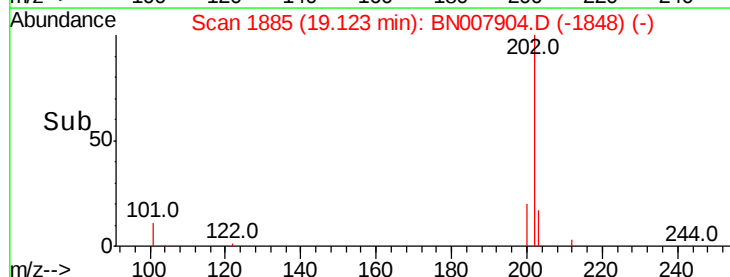
203 18.1 13.8 20.8

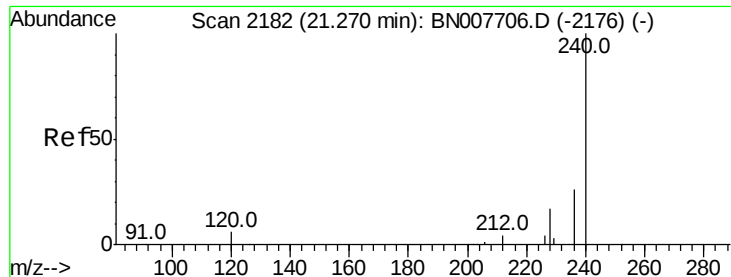


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.26 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

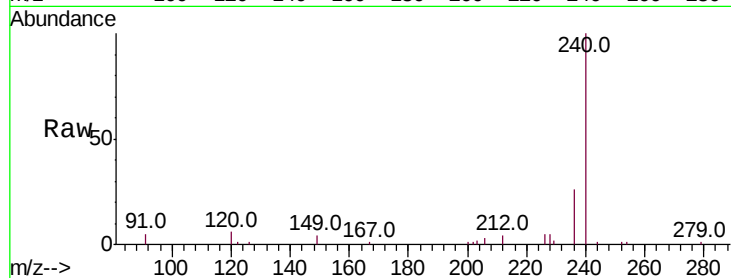
Tot Ion:240 Resp: 31236

Ion Ratio Lower Upper

240 100

120 6.0 5.4 8.2

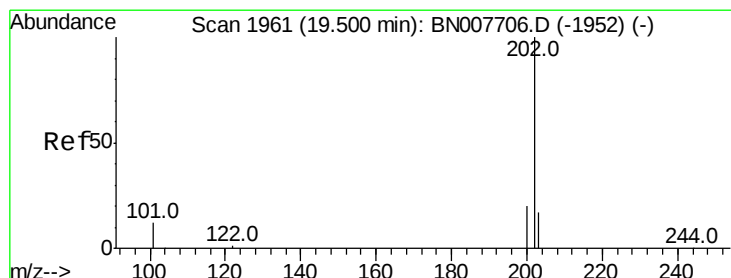
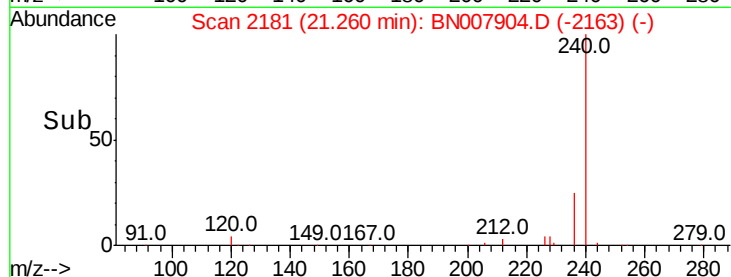
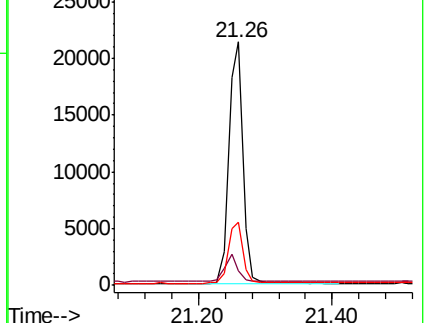
236 26.1 21.0 31.4



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: 0.101 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

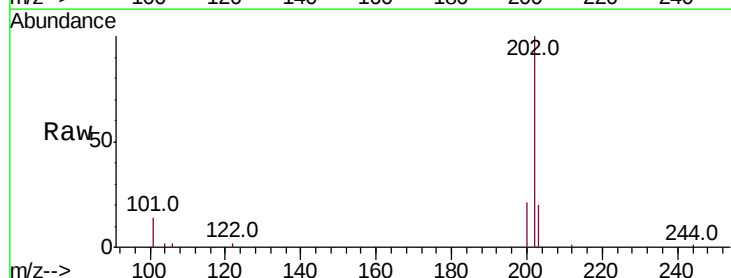
Tgt Ion:202 Resp: 10809

Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

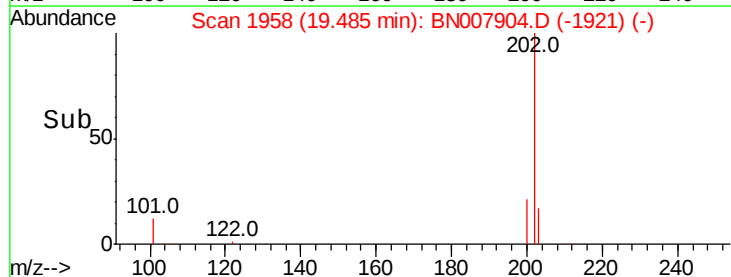
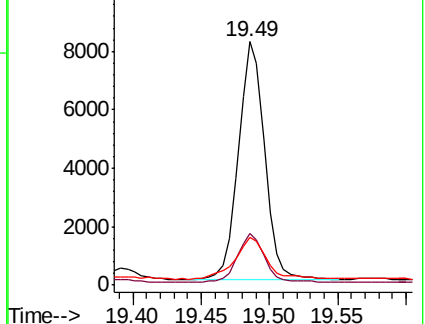
203 21.5 14.1 21.1#

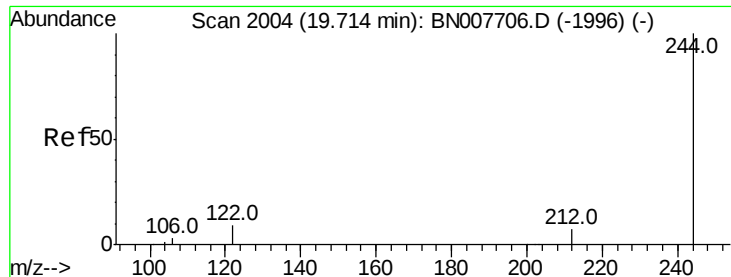


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

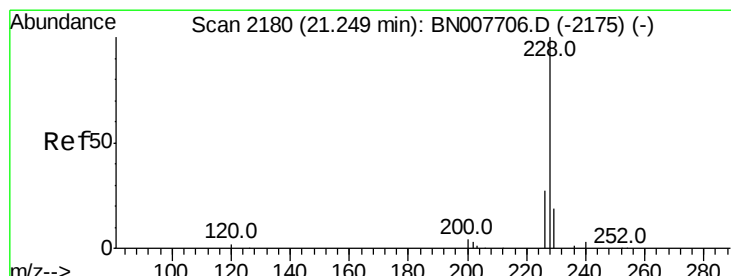
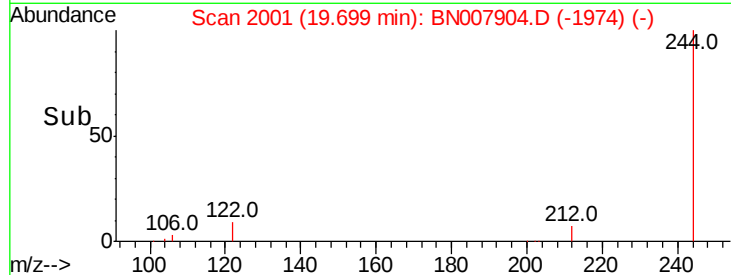
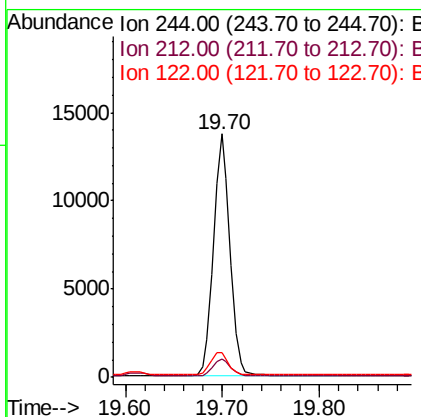
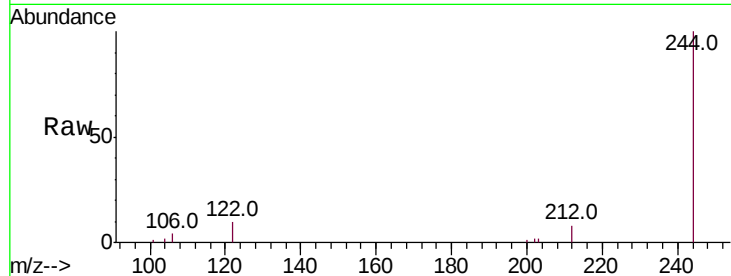




#29
 Terphenyl-d14
 Concen: 0.212 ng
 RT: 19.70 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

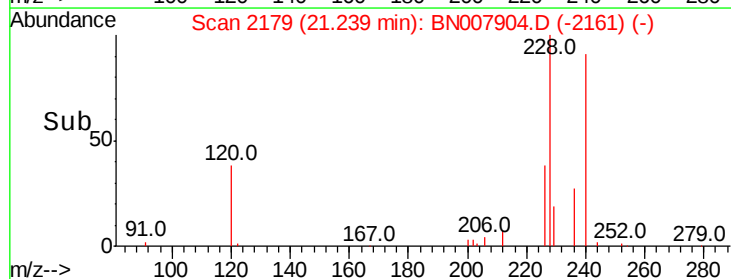
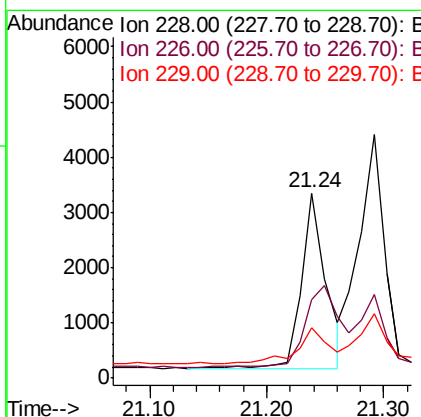
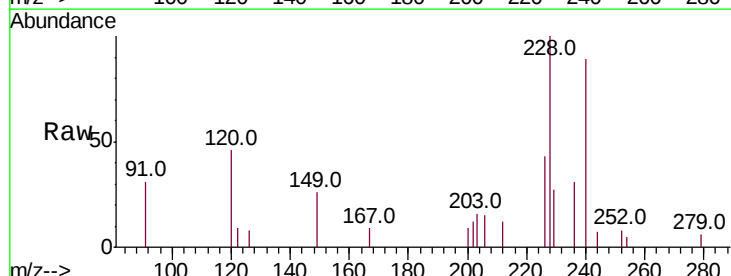
Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW131-092519

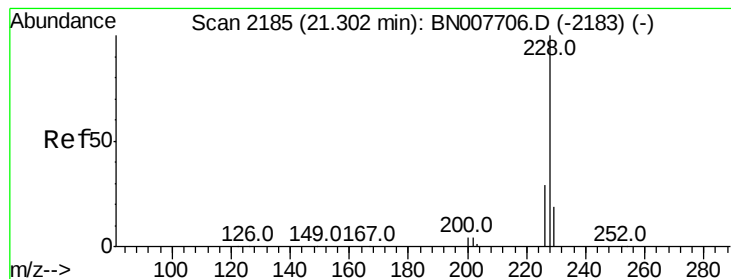
Tot Ion:244 Resp: 16275
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 10.3 7.4 11.2



#30
 Benzo(a)anthracene
 Concen: 0.040 ng
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

Tgt Ion:228 Resp: 4632
 Ion Ratio Lower Upper
 228 100
 226 42.6 22.1 33.1#
 229 27.3 15.8 23.6#





#31

Chrysene

Concen: 0.056 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

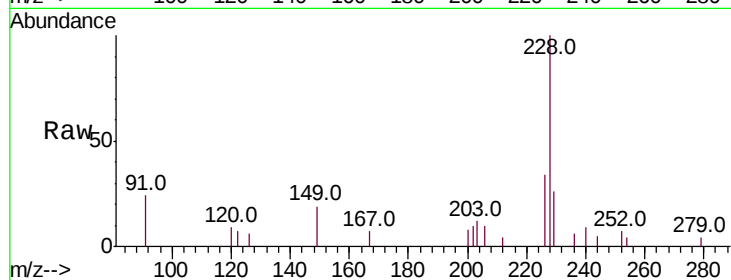
Tot Ion:228 Resp: 6268

Ion Ratio Lower Upper

228 100

226 34.2 23.9 35.9

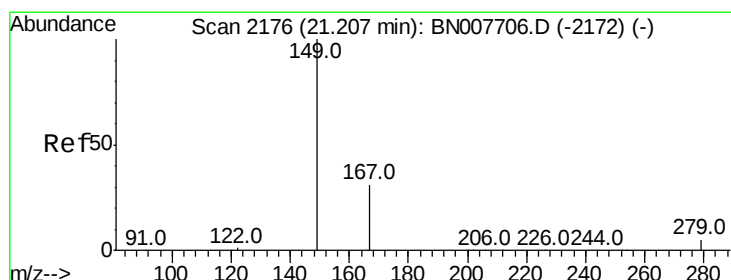
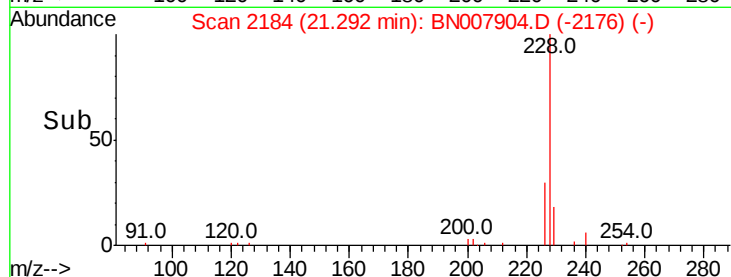
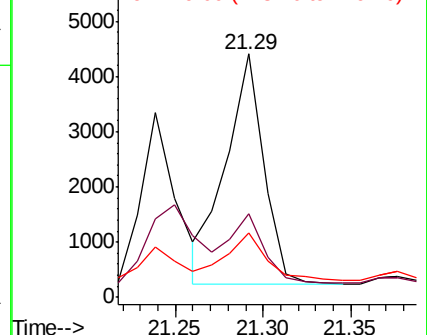
229 26.2 15.8 23.6#



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: 0.174 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

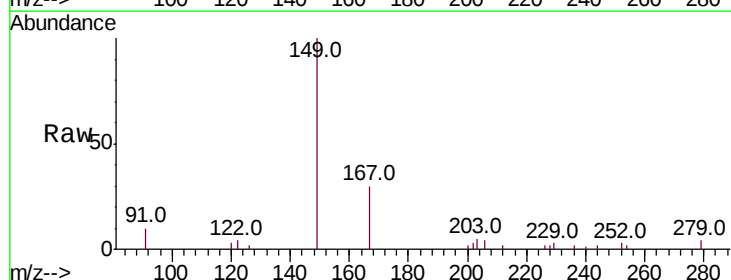
Tgt Ion:149 Resp: 10297

Ion Ratio Lower Upper

149 100

167 28.6 23.7 35.5

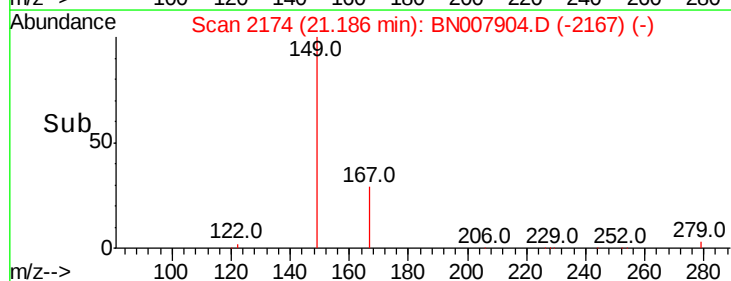
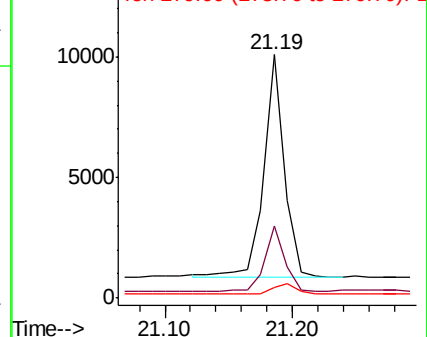
279 5.9 4.2 6.2

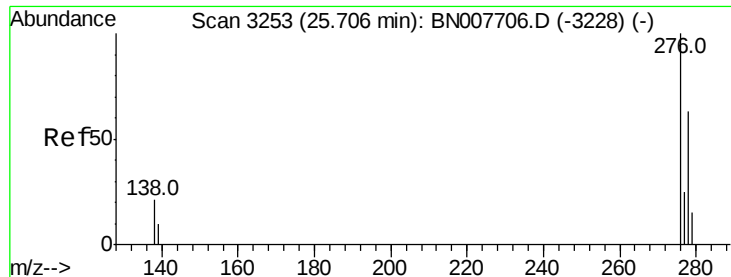


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.029 ng

RT: 25.68 min Scan# 3244

Delta R.T. -0.03 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

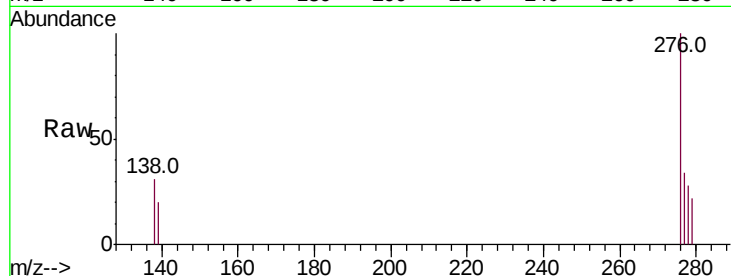
Tot Ion:276 Resp: 4043

Ion Ratio Lower Upper

276 100

138 17.1 17.1 25.7#

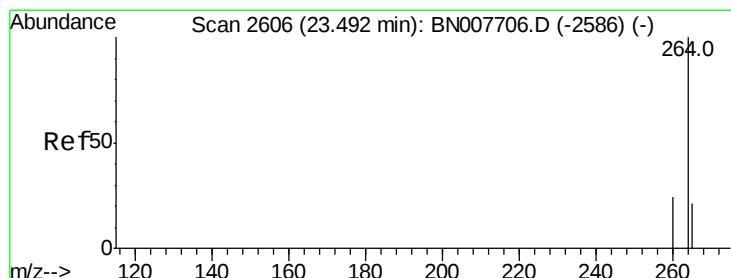
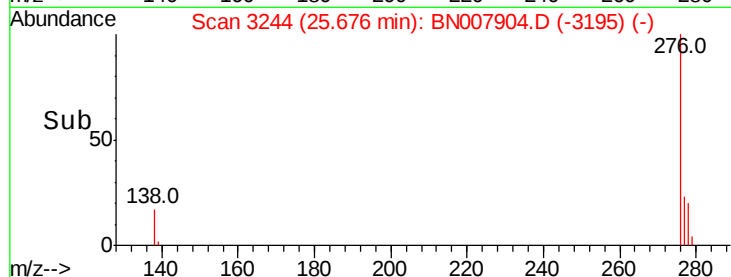
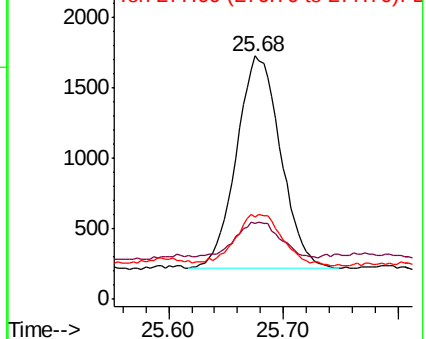
277 26.1 20.0 30.0



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# 2600

Delta R.T. -0.02 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

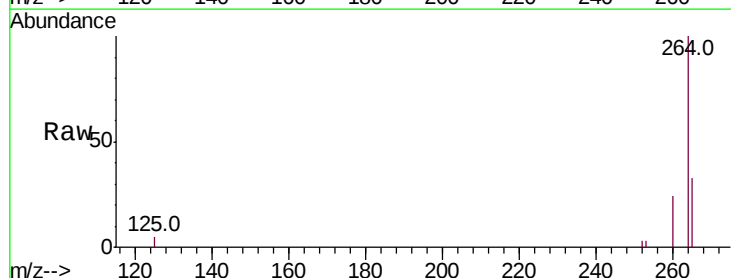
Tgt Ion:264 Resp: 38054

Ion Ratio Lower Upper

264 100

260 24.3 19.3 28.9

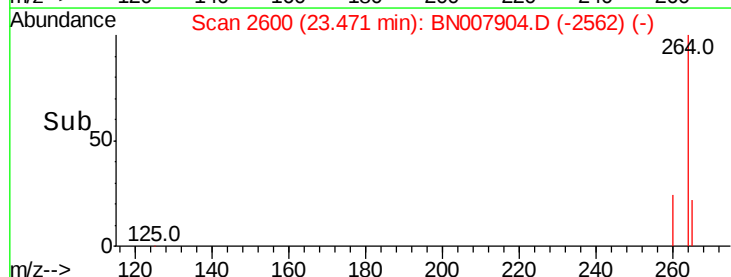
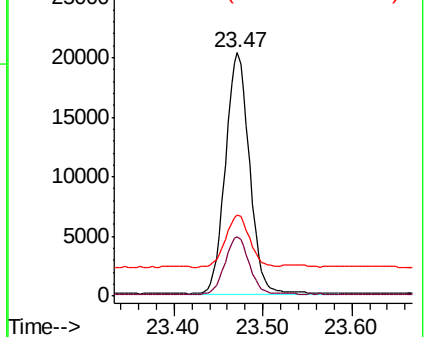
265 33.3 26.9 40.3

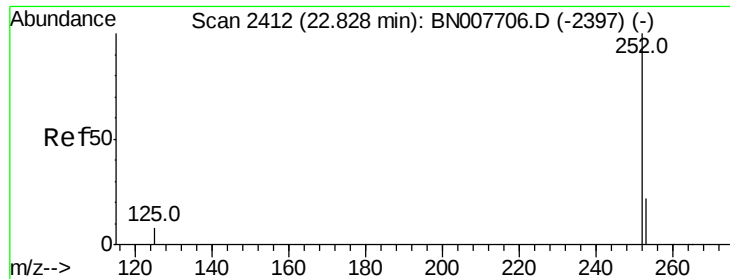


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.063 ng

RT: 22.81 min Scan# 2407

Delta R.T. -0.02 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

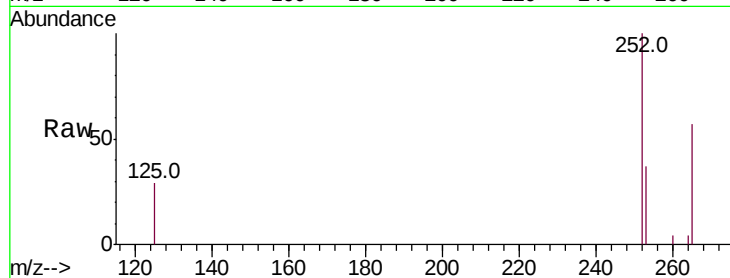
Tot Ion:252 Resp: 8287

Ion Ratio Lower Upper

252 100

253 37.2 18.3 27.5#

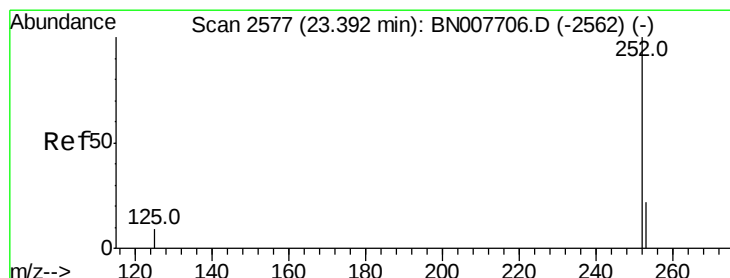
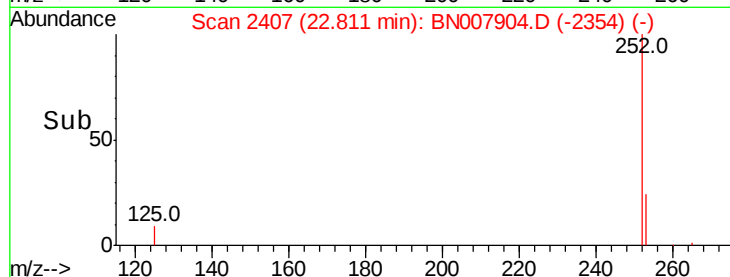
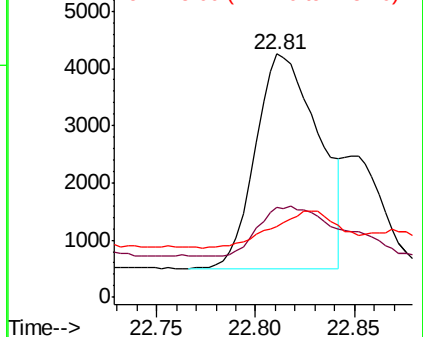
125 29.0 8.2 12.4#



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



#37

Benzo(a)pyrene

Concen: 0.043 ng

RT: 23.38 min Scan# 2572

Delta R.T. -0.02 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

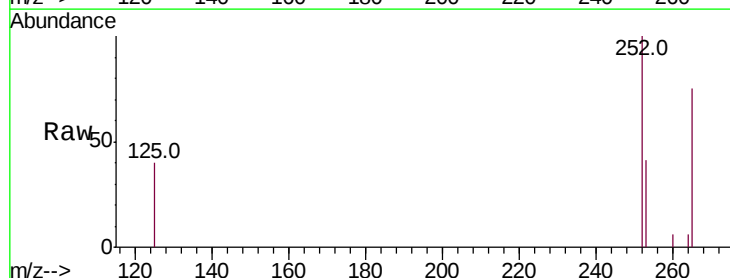
Tgt Ion:252 Resp: 5315

Ion Ratio Lower Upper

252 100

253 40.6 18.6 27.8#

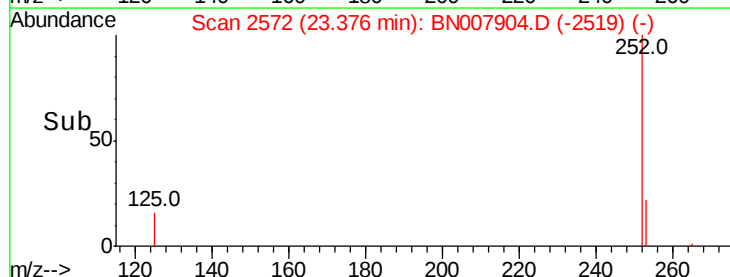
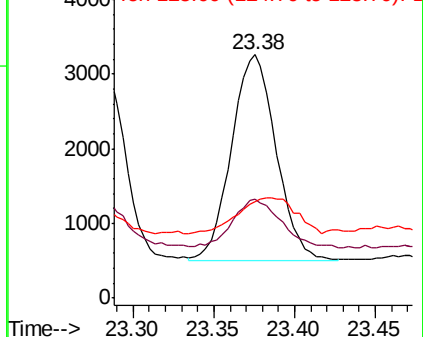
125 39.5 9.4 14.0#

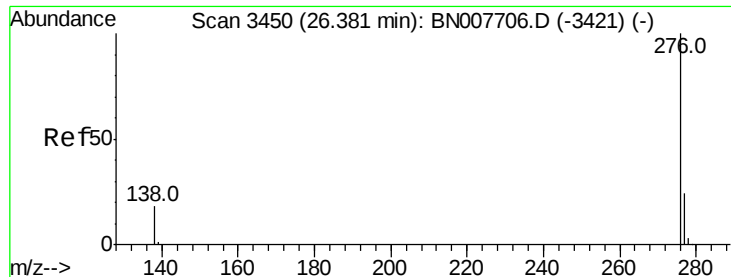


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.038 ng

RT: 26.35 min Scan# 3442

Delta R.T. -0.03 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

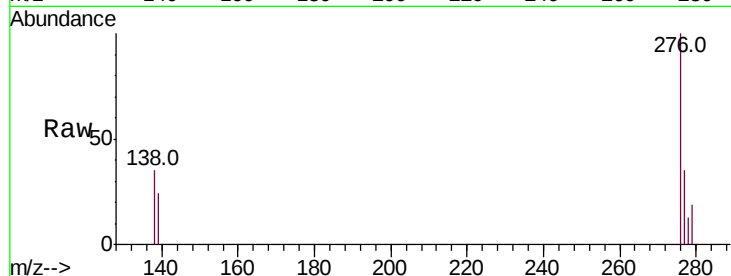
Tot Ion:276 Resp: 4741

Ion Ratio Lower Upper

276 100

277 35.3 19.8 29.8#

138 35.5 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

