

Data File : BN007898.D
Acq On : 30 Sep 2019 15:54
Operator : JU
Sample : K5077-23
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-024-SW138-092519

Quant Time: Oct 01 06:48:59 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	9282	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	36061	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	20534	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	38924	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	37576	0.40	ng	-0.01
34) Perylene-d12	23.47	264	46284	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	6481	0.20	ng	0.00
5) Phenol-d6	6.86	99	8658	0.21	ng	0.00
8) Nitrobenzene-d5	8.83	82	7607	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	14204	0.23	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1882	0.17	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	19397	0.23	ng	-0.01
25) Fluoranthene-d10	19.09	212	28302	0.22	ng	-0.01
29) Terphenyl-d14	19.70	244	22526	0.24	ng	-0.01

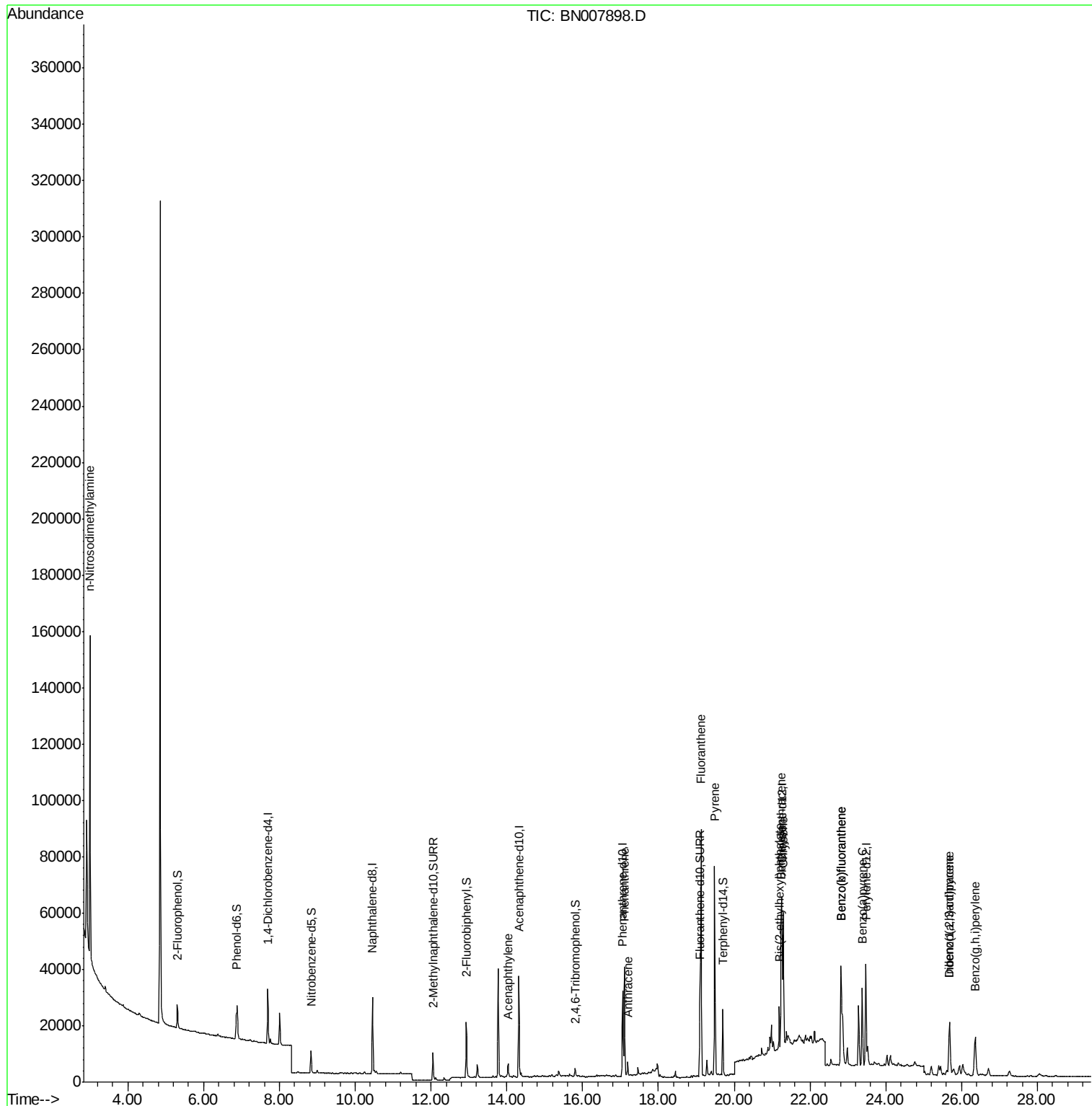
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.00	42	9553	2.016	ng	# 75
16) Acenaphthylene	14.03	152	7344	0.067	ng	99
23) Phenanthrene	17.10	178	39960	0.330	ng	100
24) Anthracene	17.19	178	4962	0.045	ng	97
26) Fluoranthene	19.12	202	77793	0.516	ng	99
28) Pyrene	19.49	202	68053	0.531	ng	97
30) Benzo(a)anthracene	21.24	228	32757	0.237	ng	94
31) Chrysene	21.29	228	41904	0.311	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	13280	0.187	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	30511	0.181	ng	96
35) Benzo(b)fluoranthene	22.82	252	58450	0.364	ng	# 93
36) Benzo(k)fluoranthene	22.82	252	58450	0.368	ng	# 93
37) Benzo(a)pyrene	23.38	252	37403	0.248	ng	# 92
38) Dibenzo(a,h)anthracene	25.69	278	7424	0.048	ng	# 70
39) Benzo(g,h,i)perylene	26.36	276	30246	0.198	ng	95

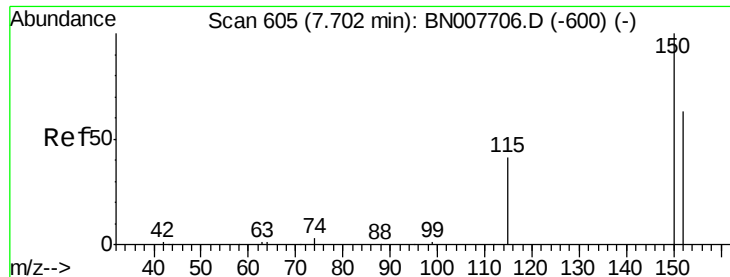
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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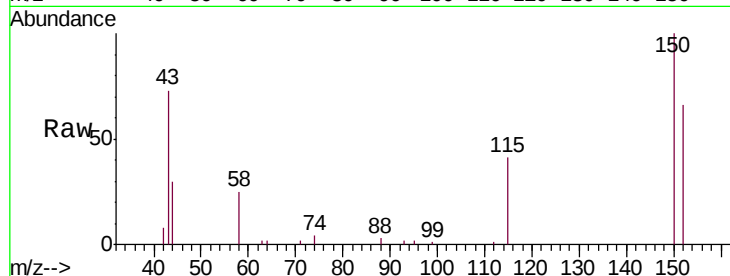


#1

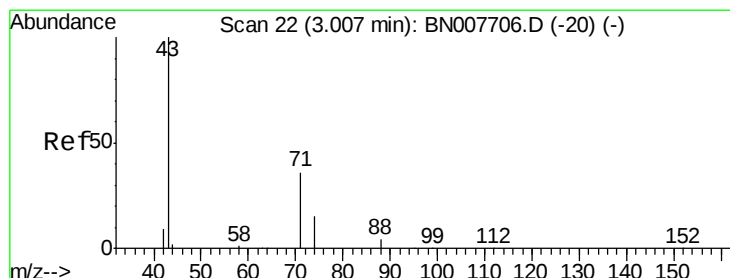
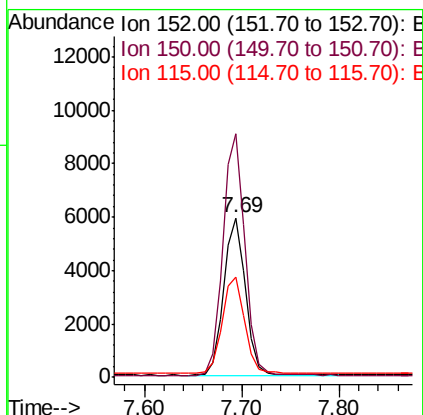
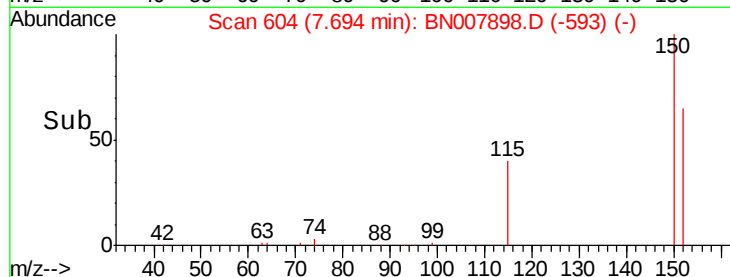
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Instrument :
BNA_N
ClientSampleId :
PST-024-SW138-092519

Tgt Ion: 152 Resp: 9282
Ion Ratio Lower Upper
152 100
150 152.6 125.6 188.4
115 62.5 53.3 79.9



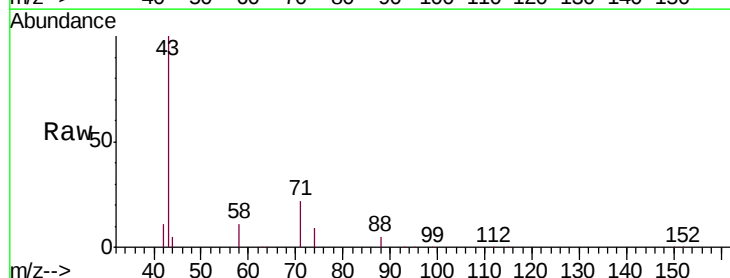
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



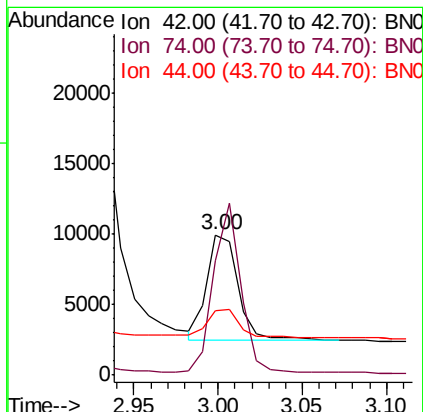
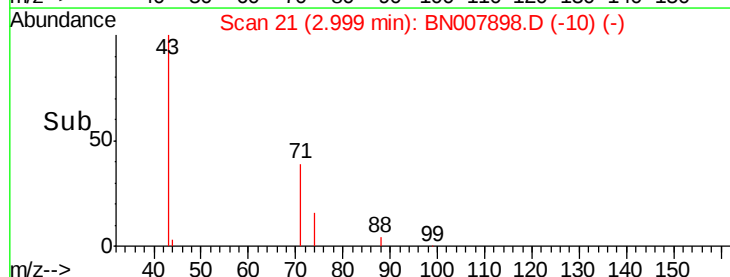
#3

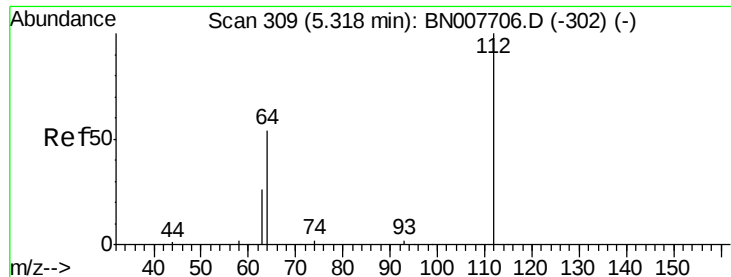
n-Nitrosodimethylamine
Concen: 2.016 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Tgt Ion: 42 Resp: 9553
Ion Ratio Lower Upper
42 100
74 140.8 87.9 131.9#
44 30.0 29.4 44.0



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.203 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

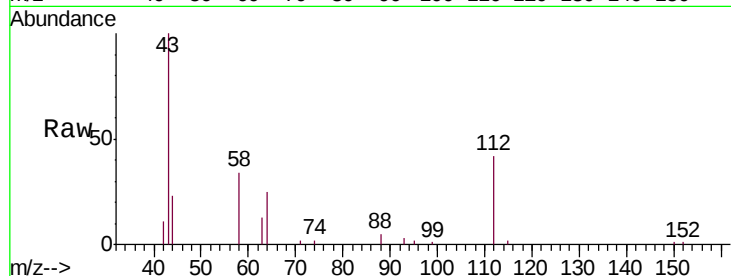
Tgt Ion: 112 Resp: 6481

Ion Ratio Lower Upper

112 100

64 58.5 46.6 70.0

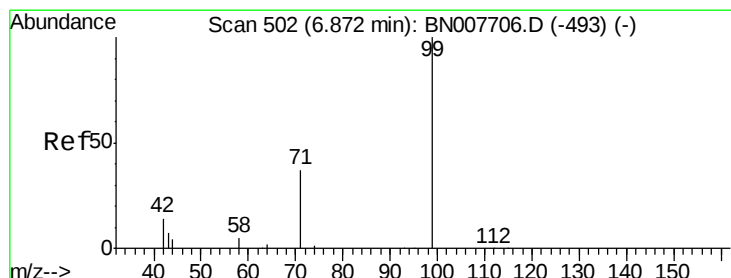
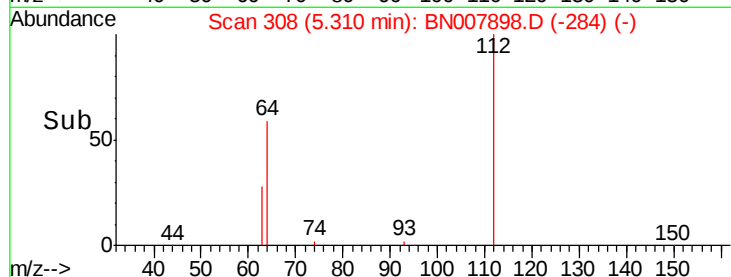
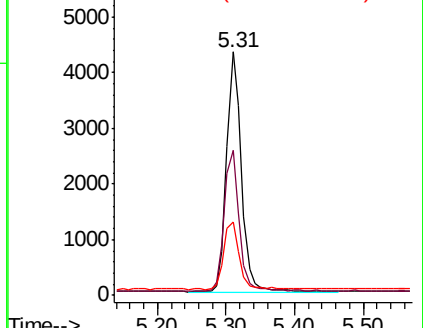
63 29.2 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.214 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

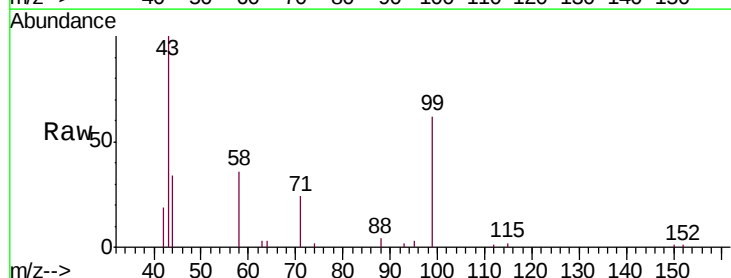
Tgt Ion: 99 Resp: 8658

Ion Ratio Lower Upper

99 100

42 20.1 12.8 19.2#

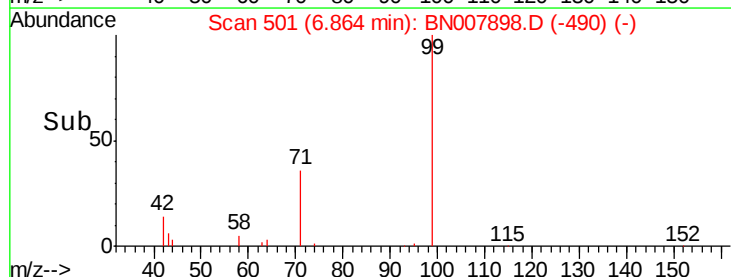
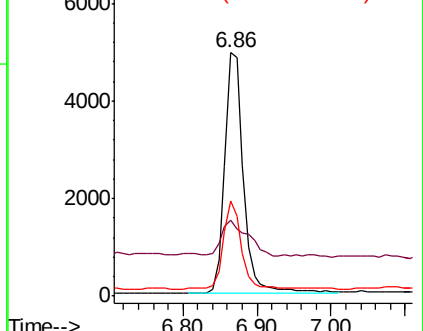
71 34.0 27.6 41.4

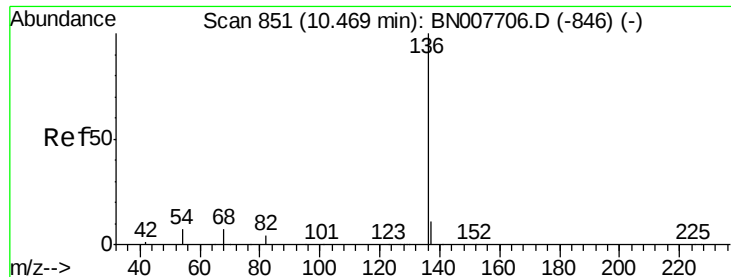


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

Tgt Ion:136 Resp: 36061

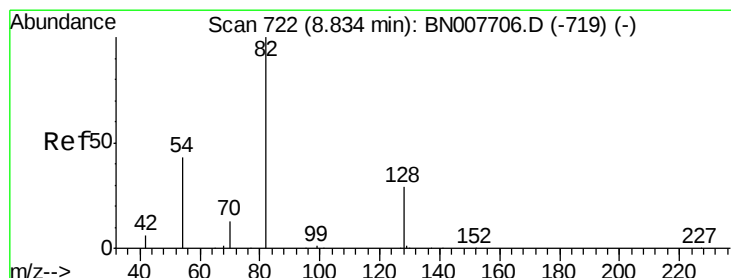
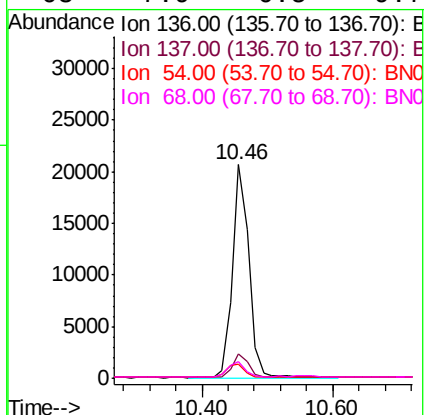
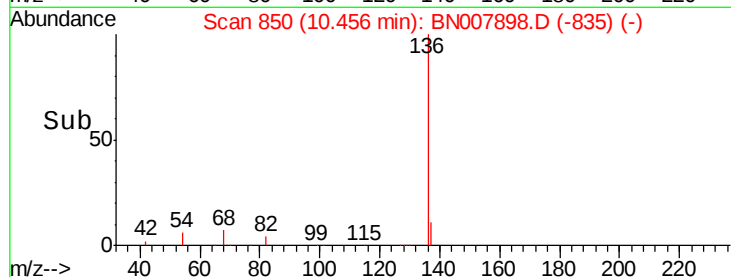
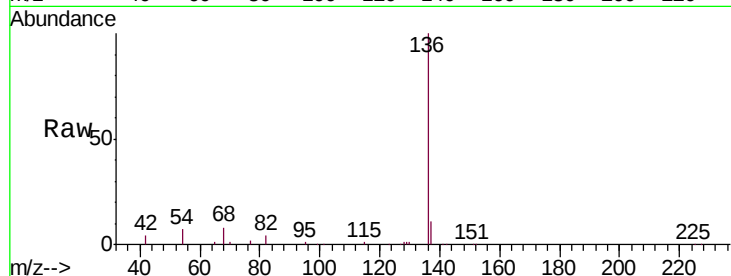
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 6.9 5.8 8.8

68 7.9 6.5 9.7



#8

Nitrobenzene-d5

Concen: 0.241 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

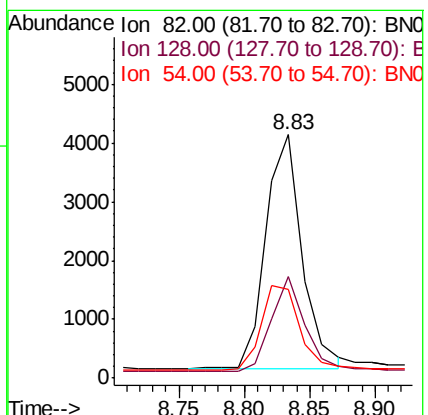
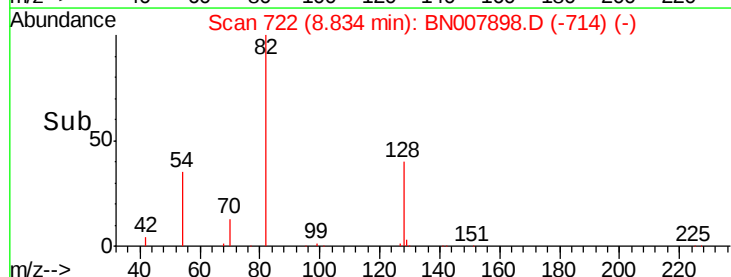
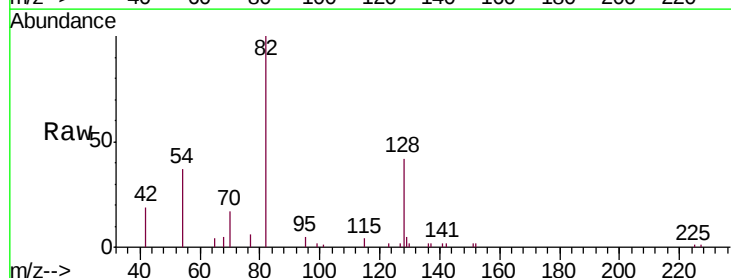
Tgt Ion: 82 Resp: 7607

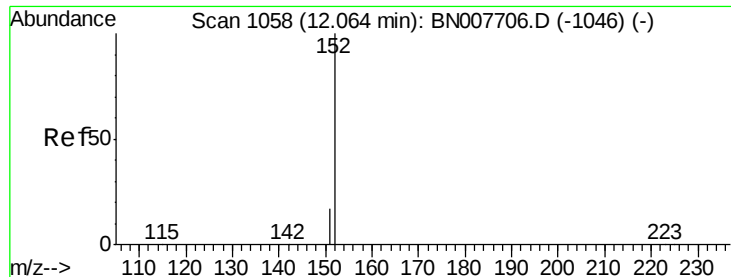
Ion Ratio Lower Upper

82 100

128 41.6 24.5 36.7#

54 36.7 35.2 52.8

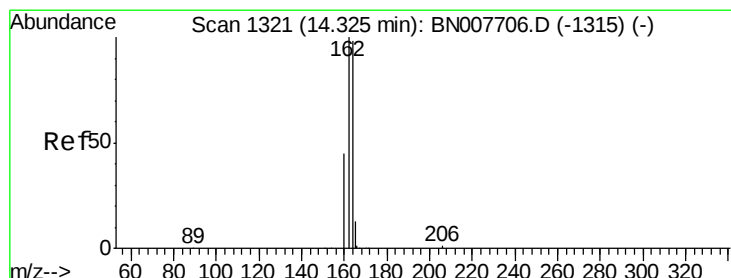
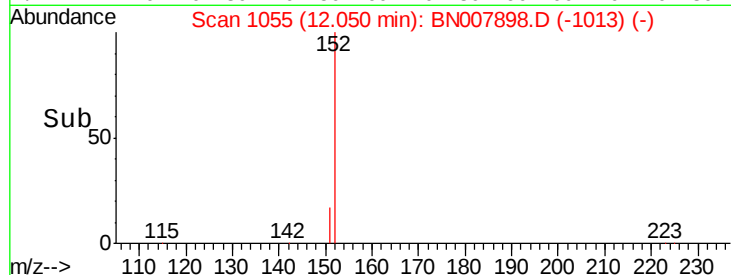
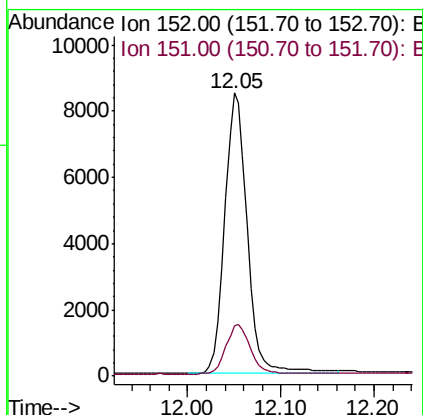
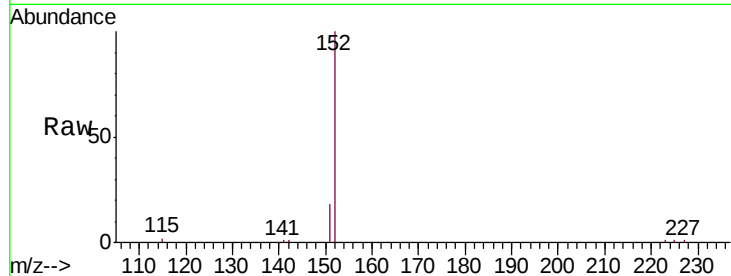




#11
 2-Methylnaphthalene-d10
 Concen: 0.234 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

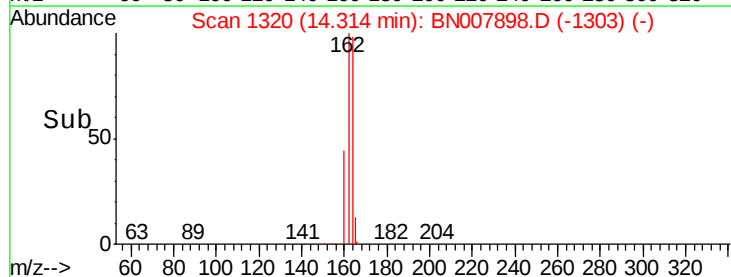
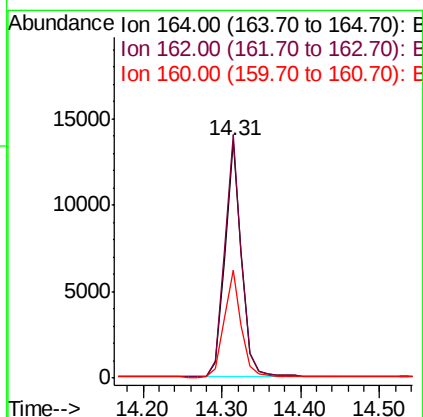
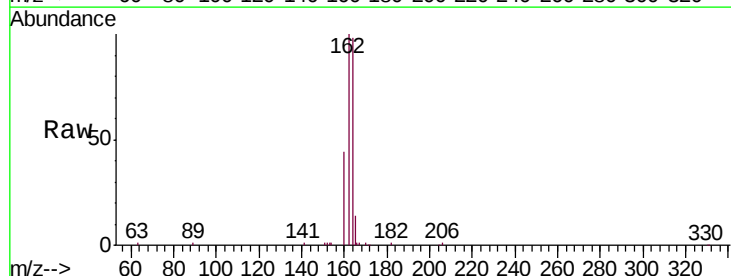
Instrument :
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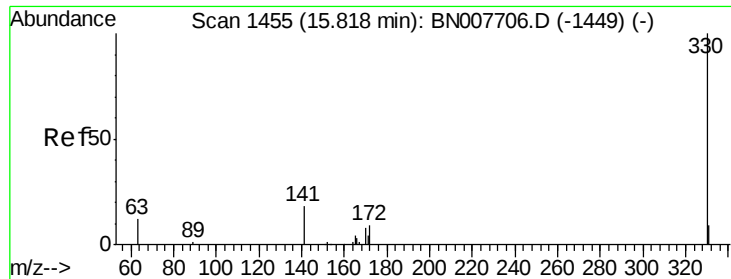
Tgt Ion:152 Resp: 14204
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.4 23.2



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

Tgt Ion:164 Resp: 20534
 Ion Ratio Lower Upper
 164 100
 162 102.4 81.7 122.5
 160 45.4 37.0 55.4

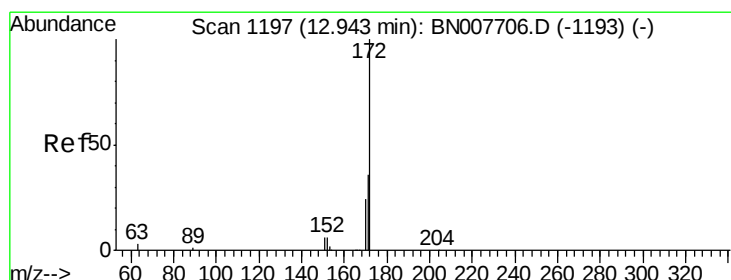
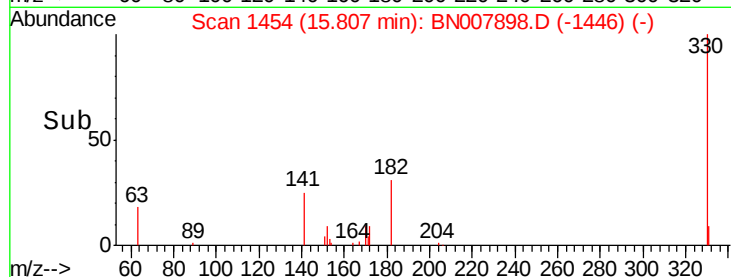
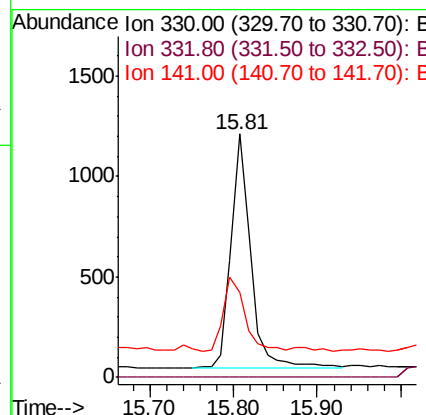
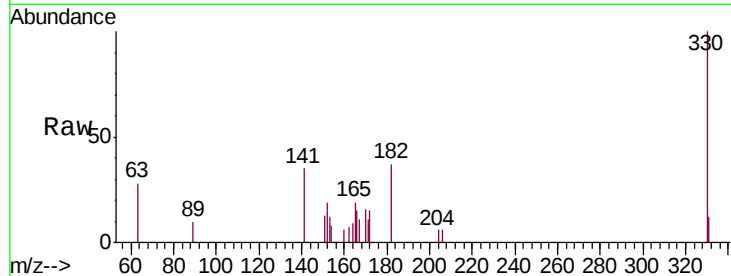




#14
 2,4,6-Tribromophenol
 Concen: 0.168 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

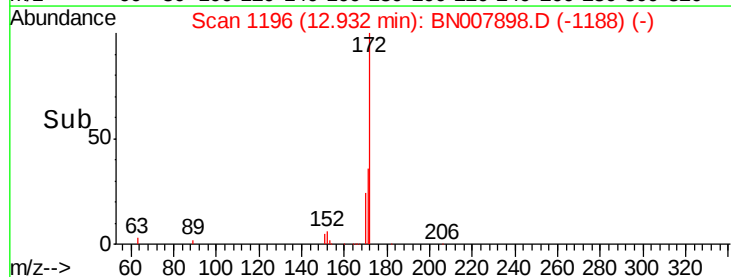
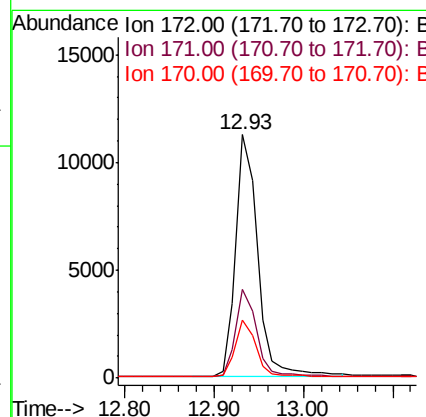
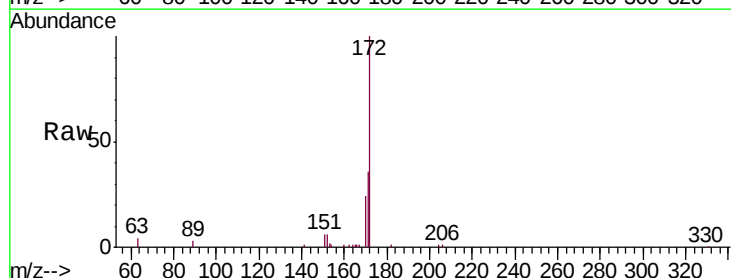
Instrument :
 BNA_N
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 PST-024-SW138-092519

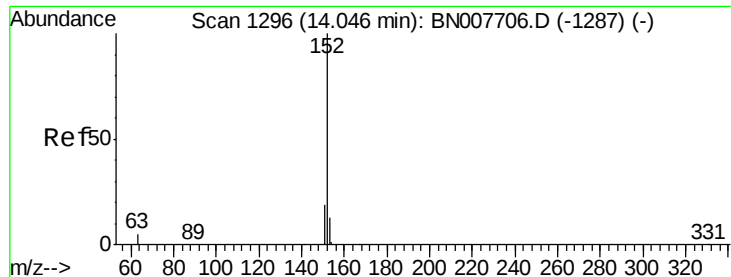
Tgt Ion: 330 Resp: 1882
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 35.8 28.7 43.1



#15
 2-Fluorobiphenyl
 Concen: 0.229 ng
 RT: 12.93 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

Tgt Ion: 172 Resp: 19397
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.8 43.2
 170 24.0 19.5 29.3





#16

Acenaphthylene

Concen: 0.067 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

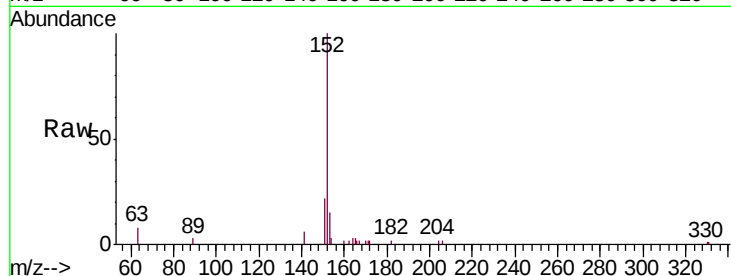
Tgt Ion:152 Resp: 7344

Ion Ratio Lower Upper

152 100

151 19.1 15.5 23.3

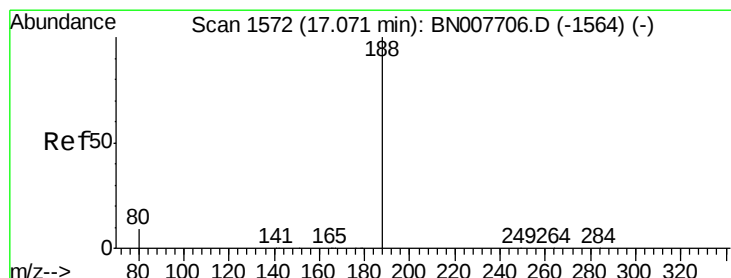
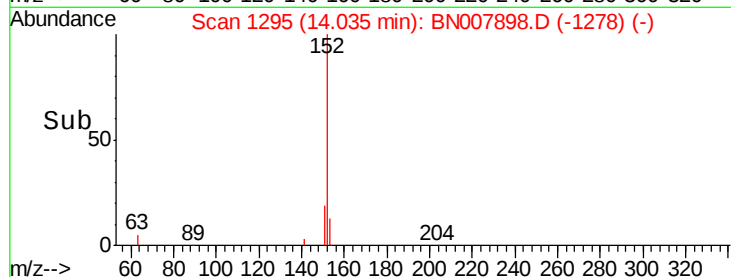
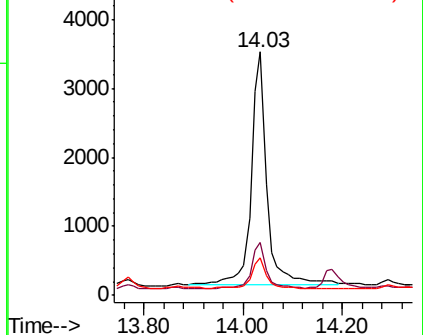
153 12.2 10.4 15.6



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

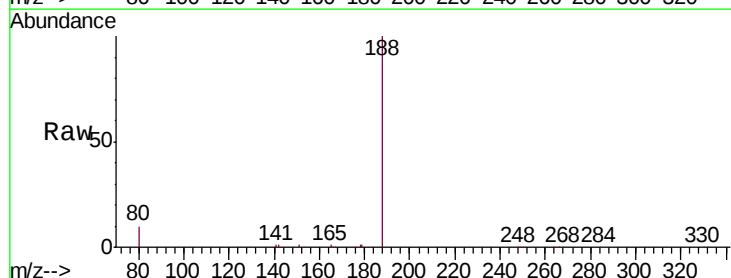
Tgt Ion:188 Resp: 38924

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

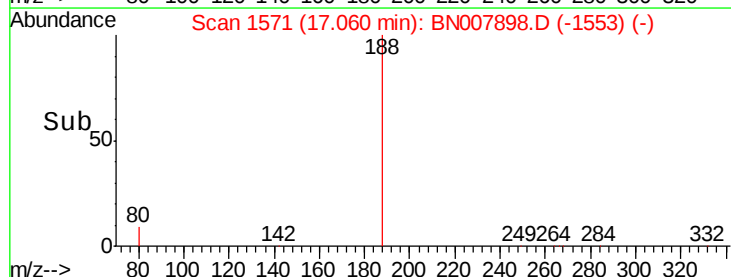
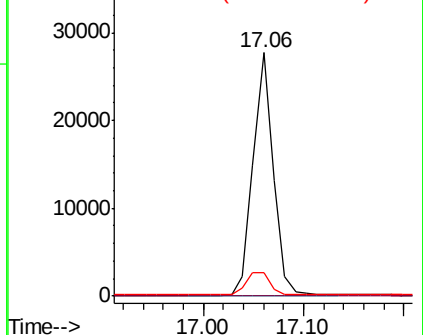
80 9.7 7.4 11.2

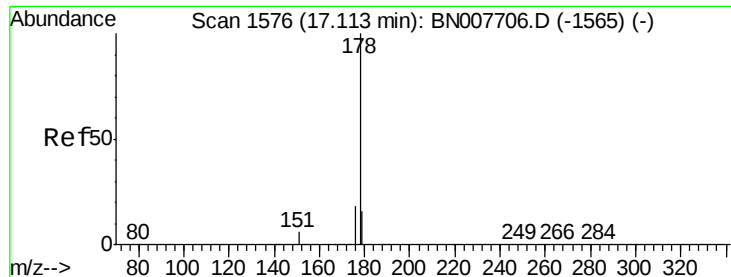


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.330 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

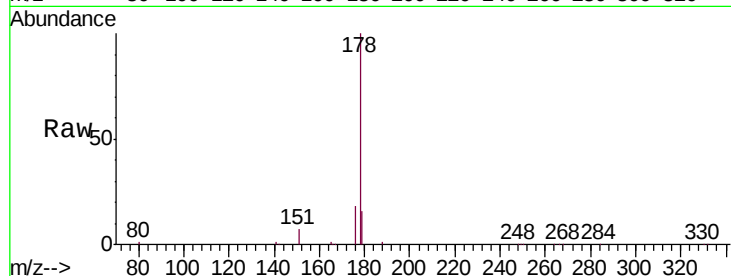
Tgt Ion:178 Resp: 39960

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

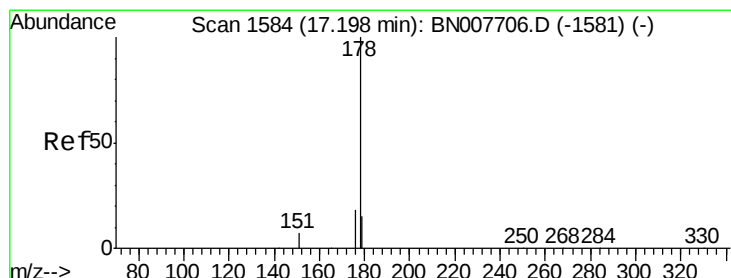
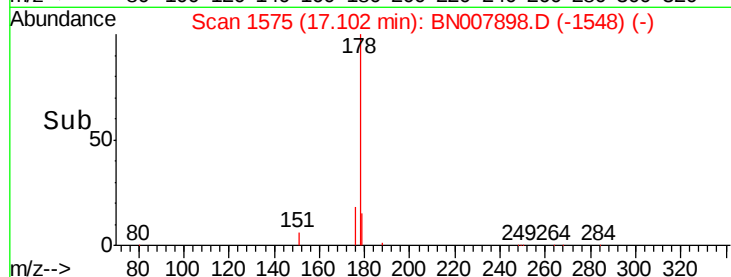
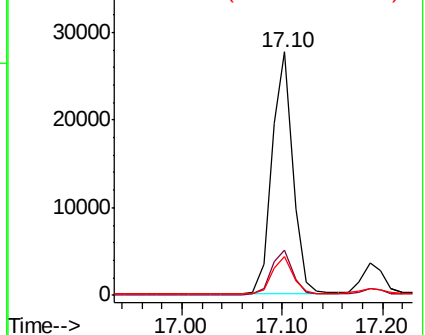
179 15.6 12.5 18.7



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: 0.045 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

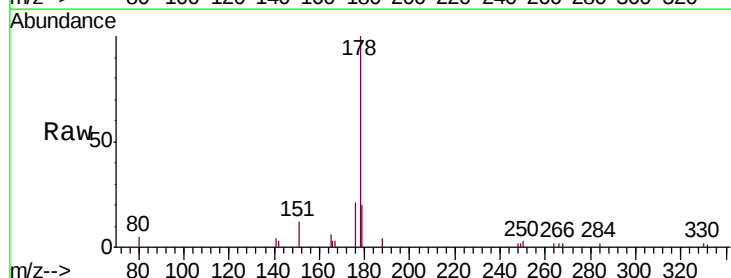
Tgt Ion:178 Resp: 4962

Ion Ratio Lower Upper

178 100

176 19.1 14.6 21.8

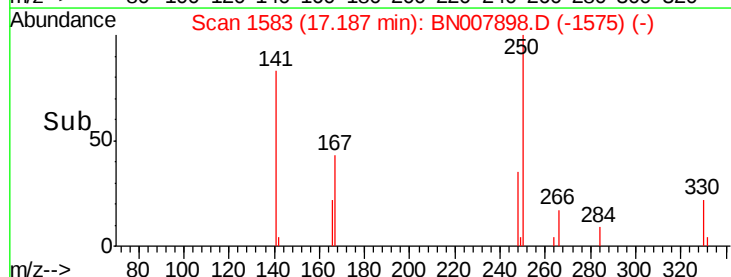
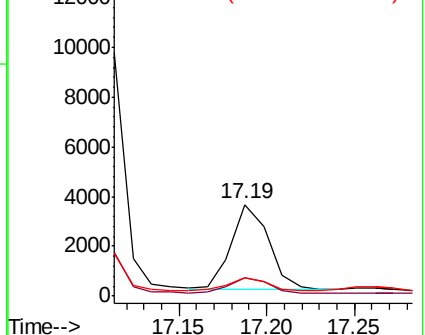
179 16.8 12.2 18.4

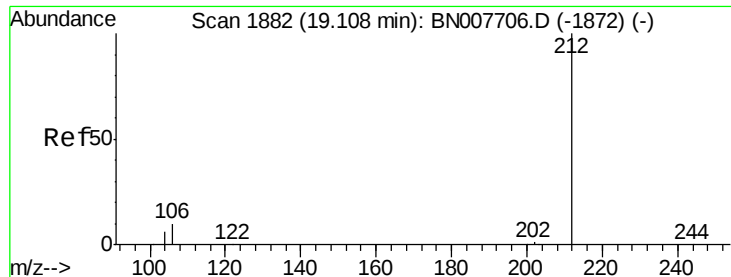


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.216 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

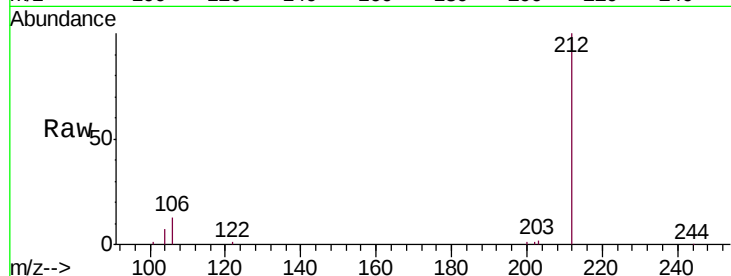
Tgt Ion:212 Resp: 28302

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

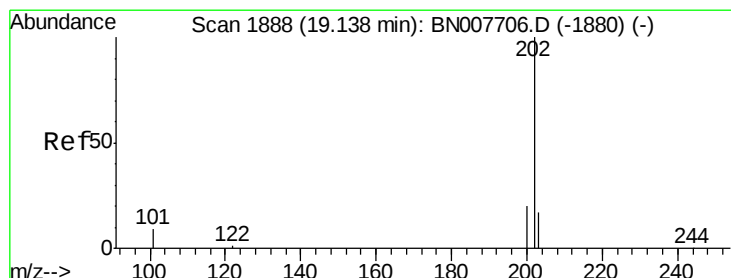
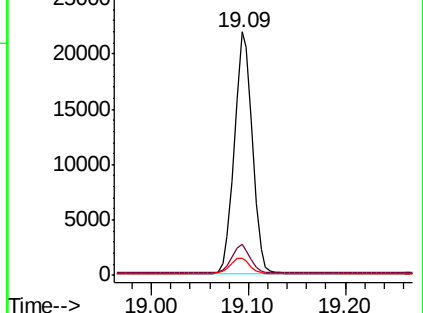
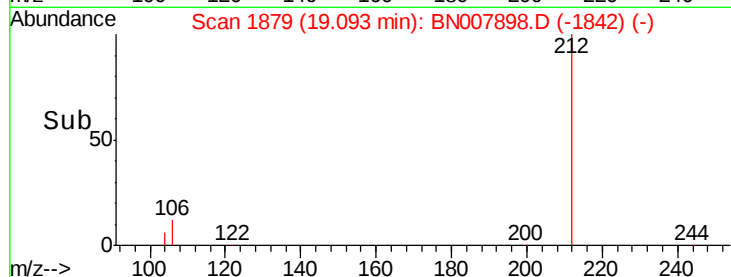
104 6.7 5.3 7.9



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: 0.516 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.02 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

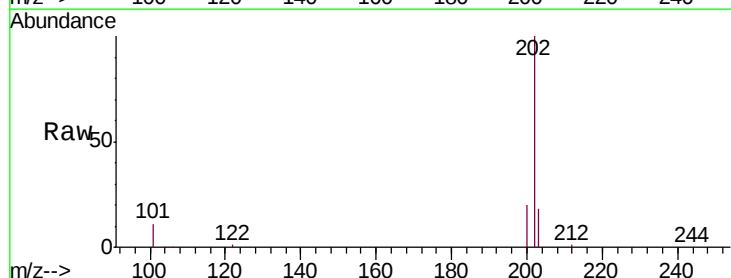
Tgt Ion:202 Resp: 77793

Ion Ratio Lower Upper

202 100

101 11.2 8.4 12.6

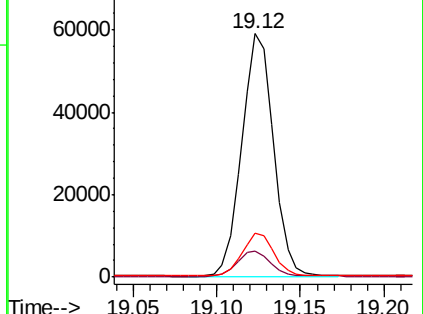
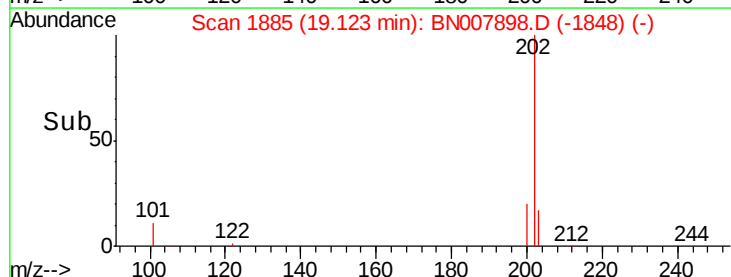
203 17.6 13.8 20.8

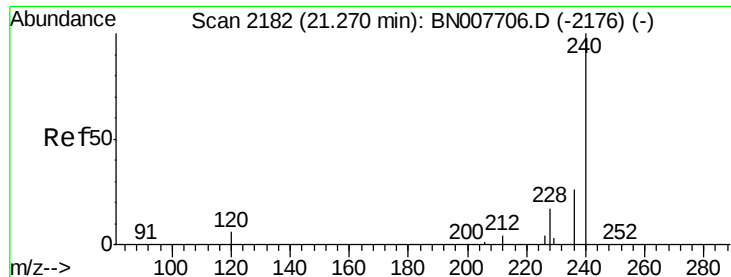


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

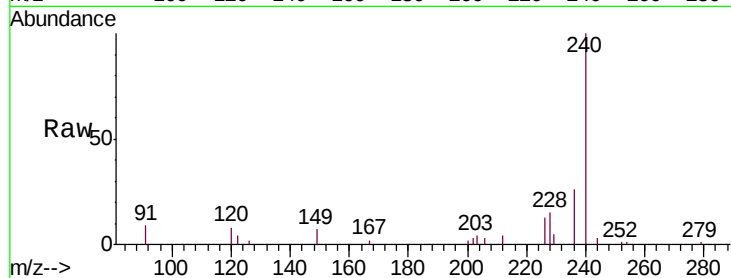
Tgt Ion:240 Resp: 37576

Ion Ratio Lower Upper

240 100

120 7.7 5.4 8.2

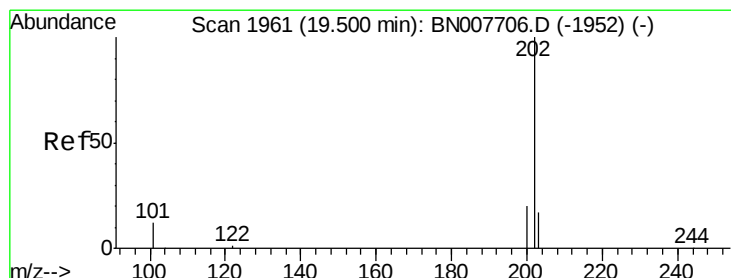
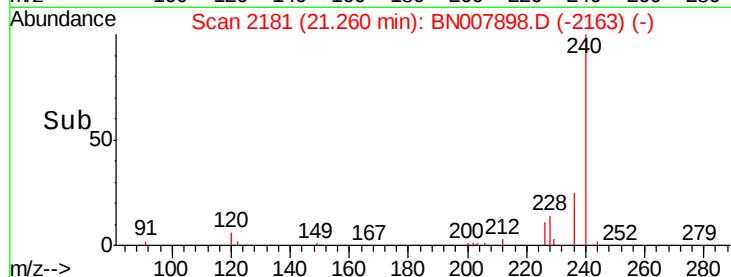
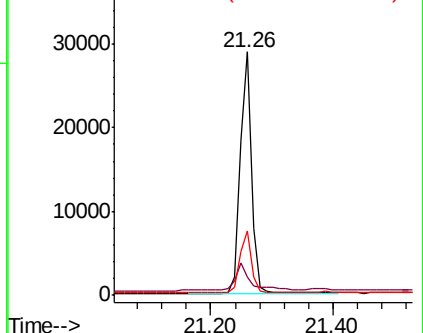
236 26.3 21.0 31.4



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: 0.531 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

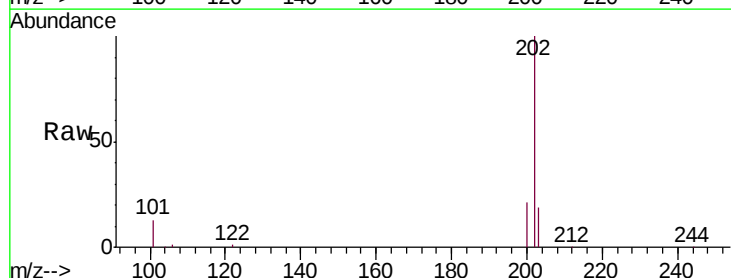
Tgt Ion:202 Resp: 68053

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

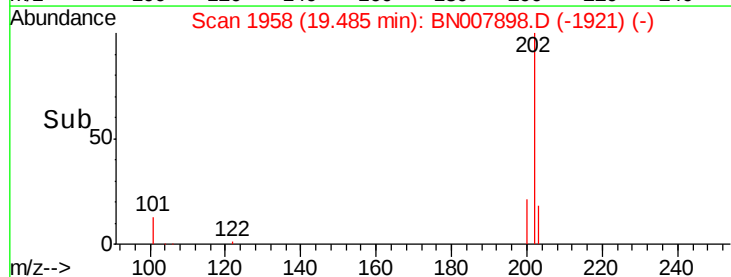
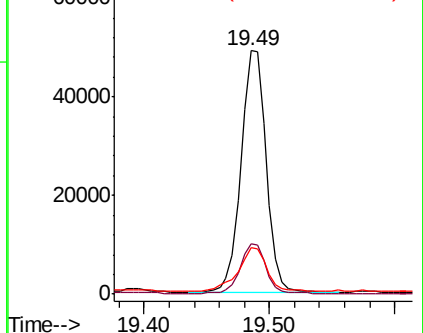
203 20.4 14.1 21.1

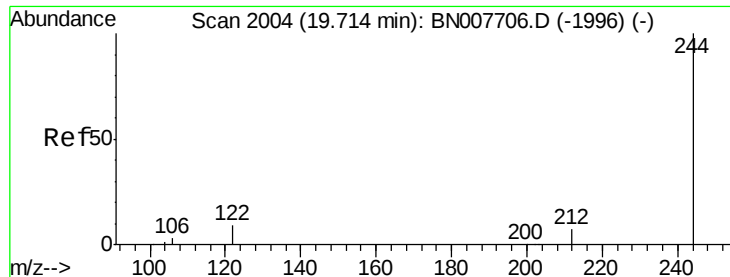


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

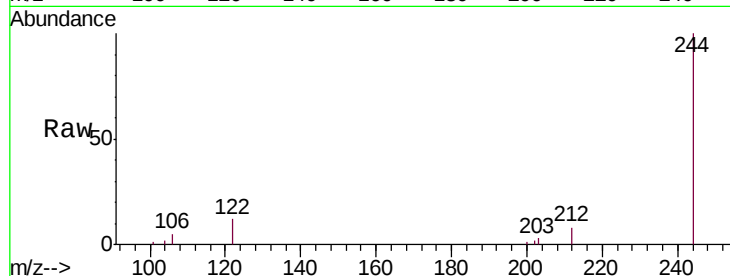




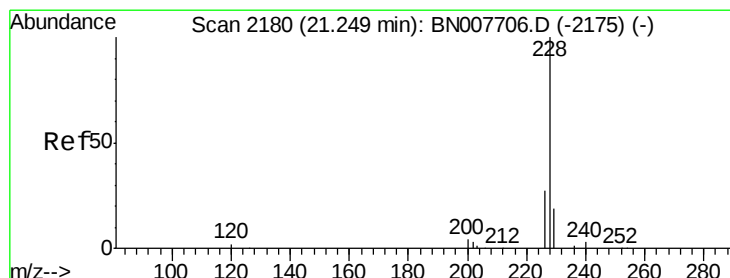
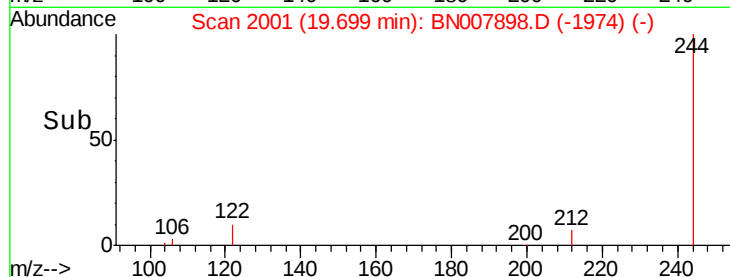
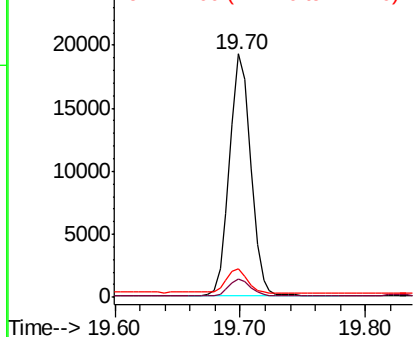
#29
 Terphenyl-d14
 Concen: 0.244 ng
 RT: 19.70 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW138-092519

Tgt Ion: 244 Resp: 22526
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 11.7 7.4 11.2#

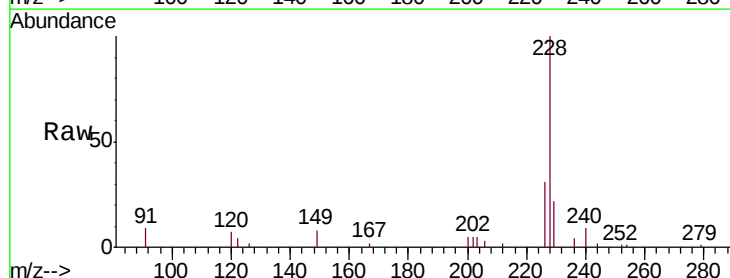


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

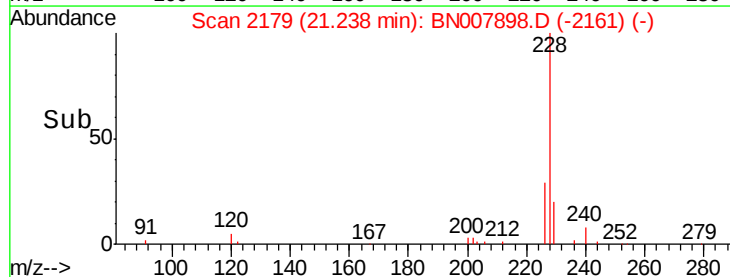
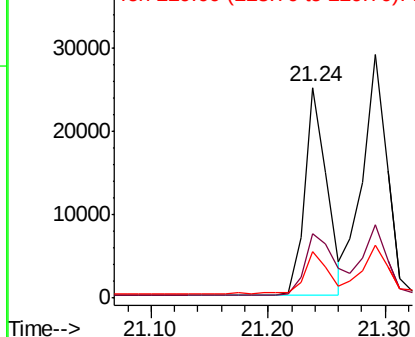


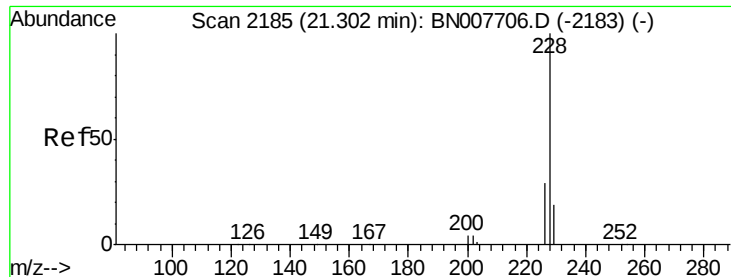
#30
 Benzo(a)anthracene
 Concen: 0.237 ng
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

Tgt Ion: 228 Resp: 32757
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.1 33.1
 229 21.8 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: 0.311 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

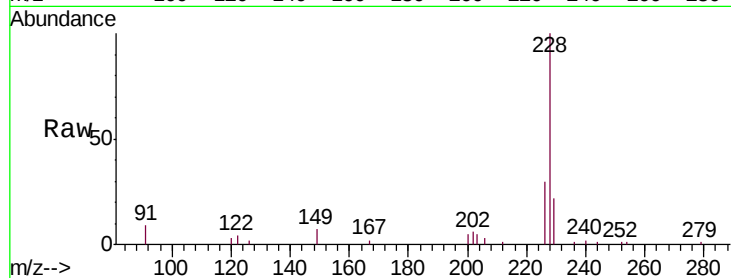
Tgt Ion:228 Resp: 41904

Ion Ratio Lower Upper

228 100

226 30.3 23.9 35.9

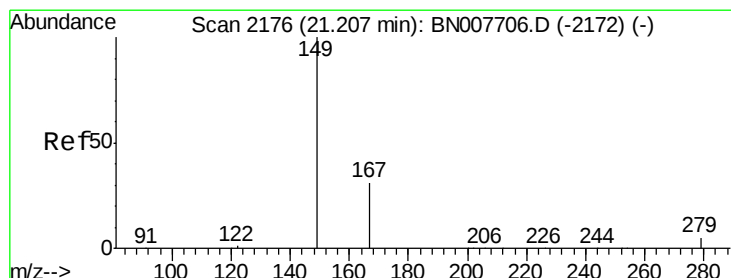
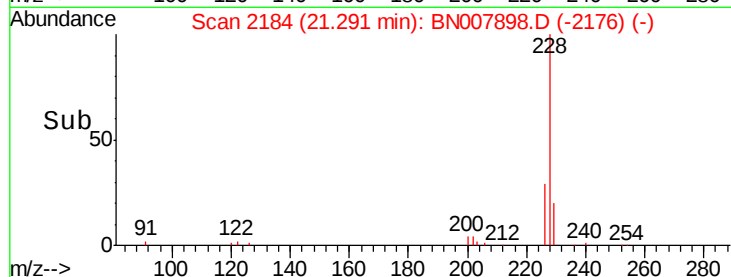
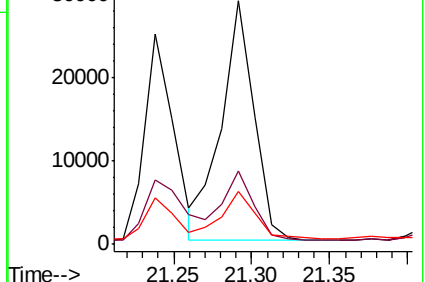
229 21.7 15.8 23.6



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: 0.187 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

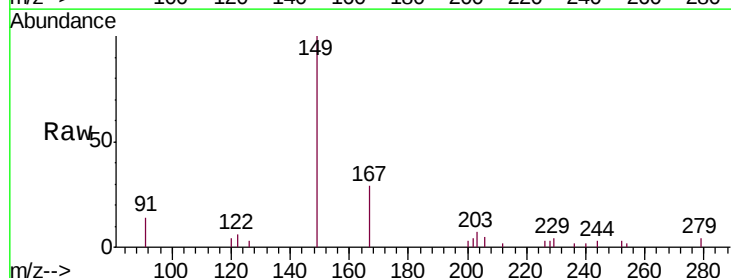
Tgt Ion:149 Resp: 13280

Ion Ratio Lower Upper

149 100

167 30.1 23.7 35.5

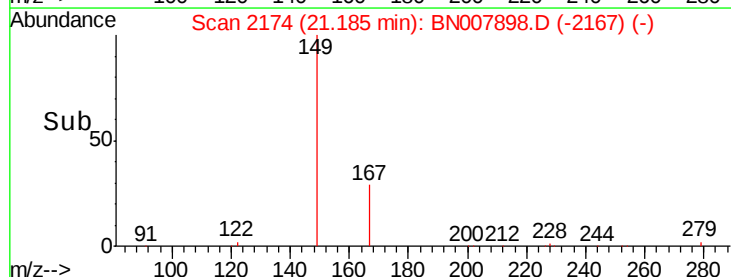
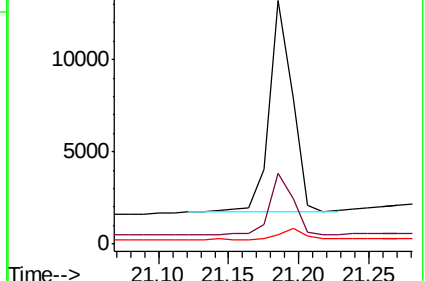
279 6.1 4.2 6.2

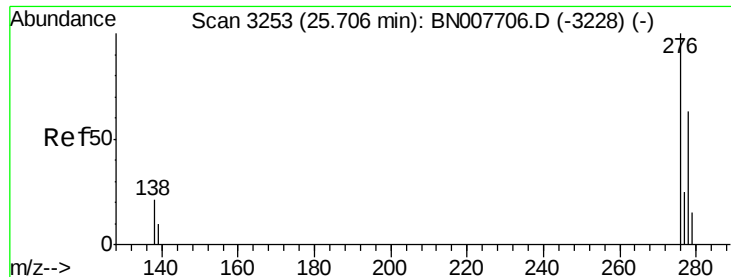


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.181 ng

RT: 25.68 min Scan# 3246

Delta R.T. -0.02 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

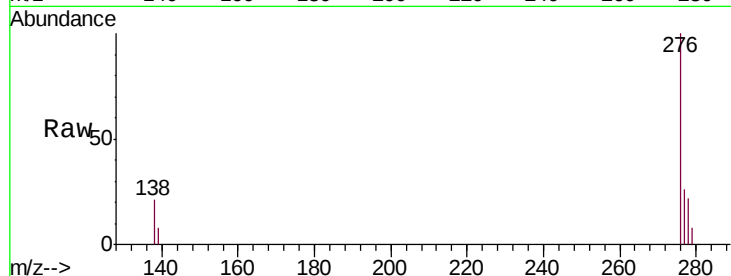
Tgt Ion: 276 Resp: 30511

Ion Ratio Lower Upper

276 100

138 18.5 17.1 25.7

277 24.2 20.0 30.0

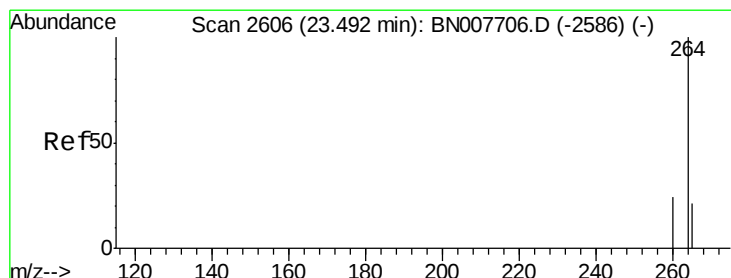
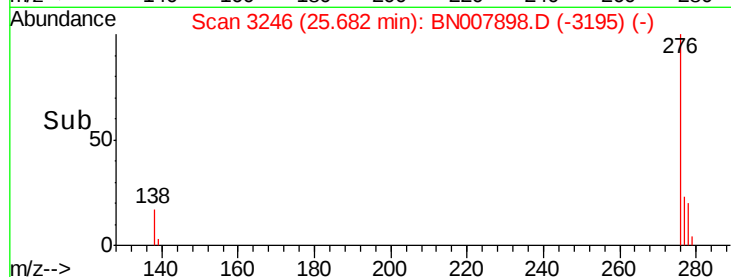
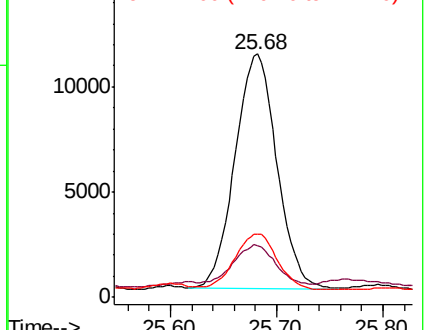


Abundance

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# 2601

Delta R.T. -0.02 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

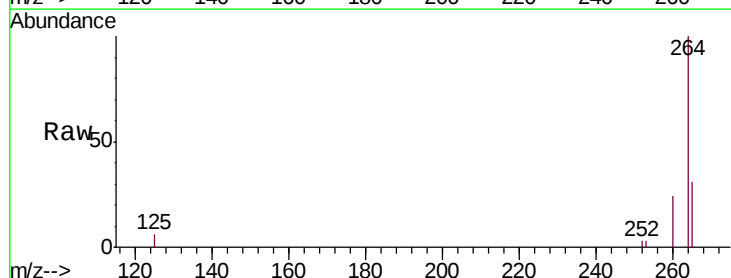
Tgt Ion: 264 Resp: 46284

Ion Ratio Lower Upper

264 100

260 24.3 19.3 28.9

265 31.3 26.9 40.3

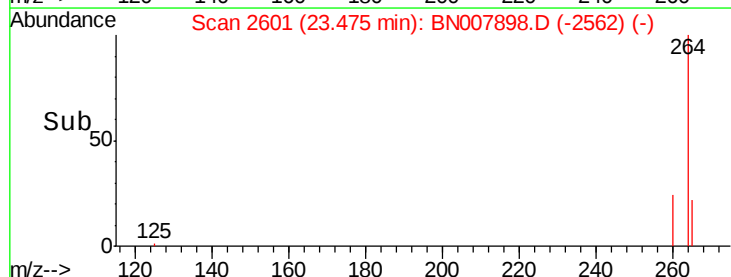
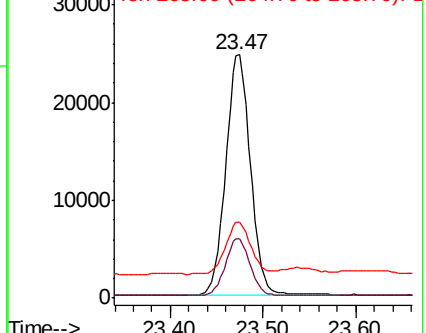


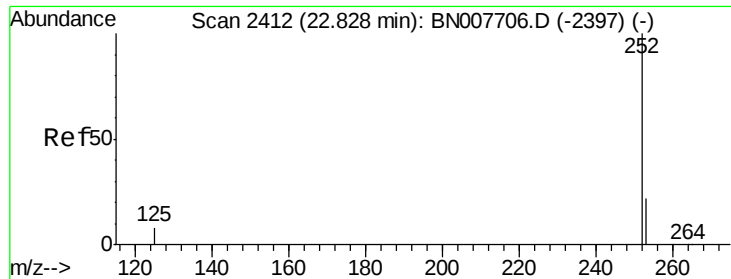
Abundance

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: 0.364 ng

RT: 22.82 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

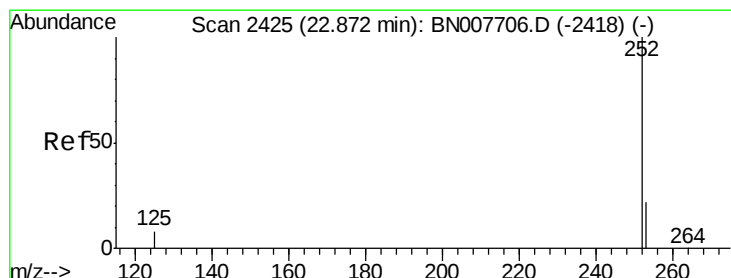
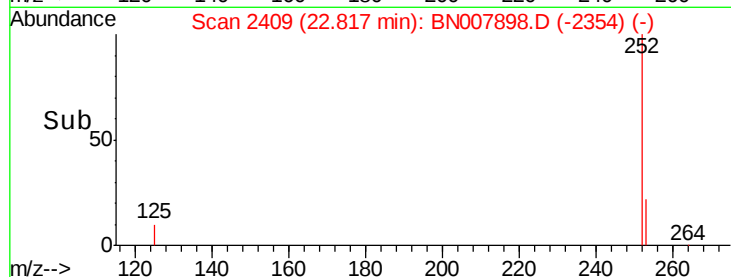
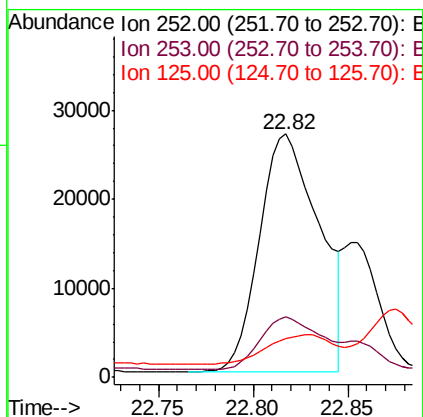
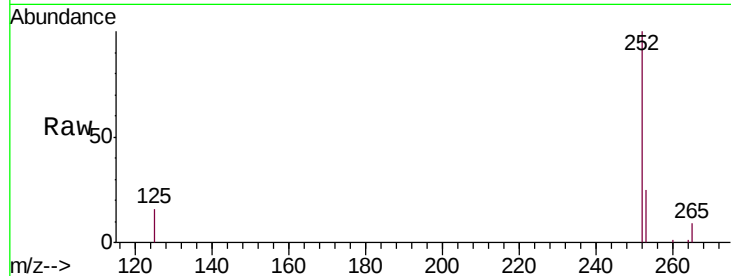
Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

Tgt Ion:	252	Resp:	58450
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.3	27.5
125	16.0	8.2	12.4#



#36

Benzo(k)fluoranthene

Concen: 0.368 ng

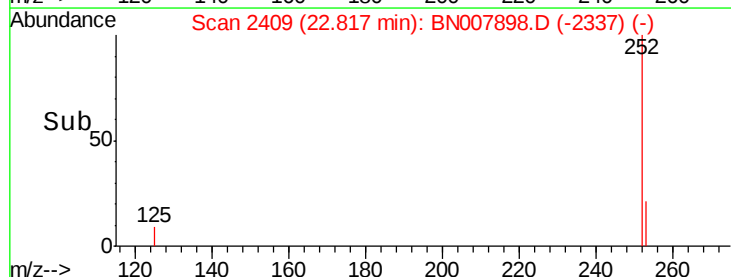
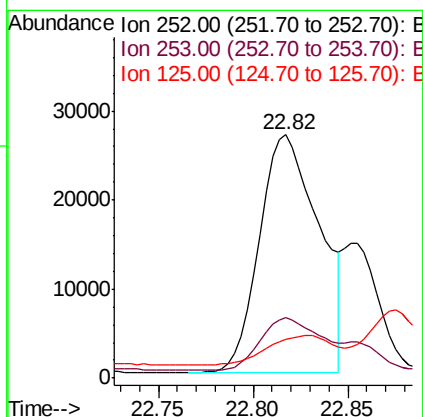
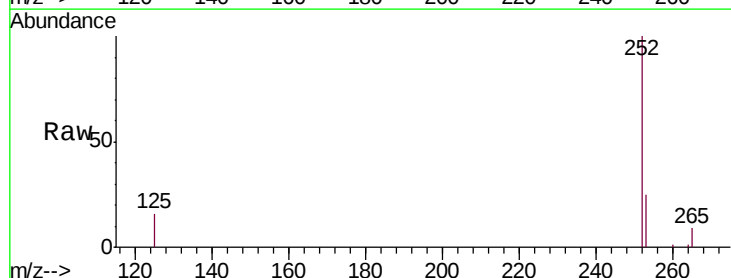
RT: 22.82 min Scan# 2409

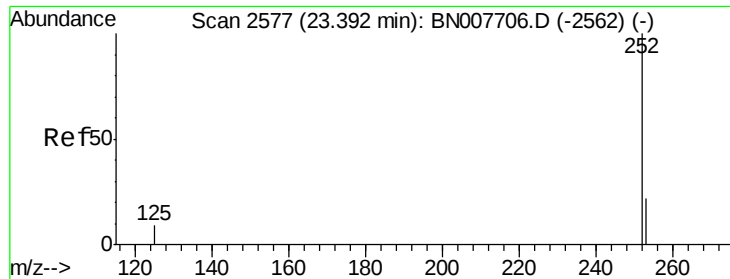
Delta R.T. -0.05 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Tgt Ion:	252	Resp:	58450
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.5	27.7
125	16.0	8.4	12.6#





#37

Benzo(a)pyrene

Concen: 0.248 ng

RT: 23.38 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519

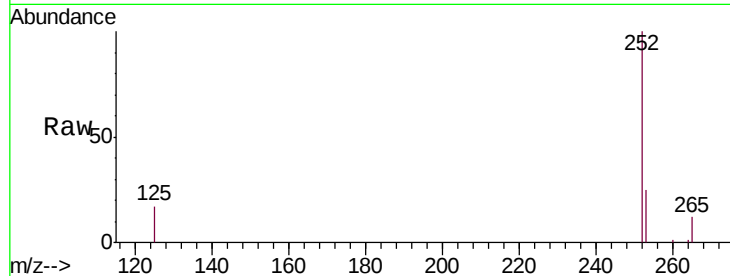
Tgt Ion:252 Resp: 37403

Ion Ratio Lower Upper

252 100

253 25.4 18.6 27.8

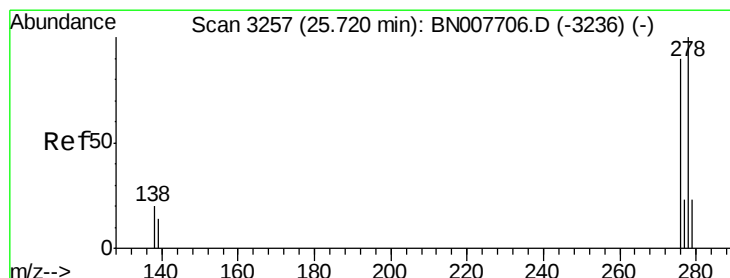
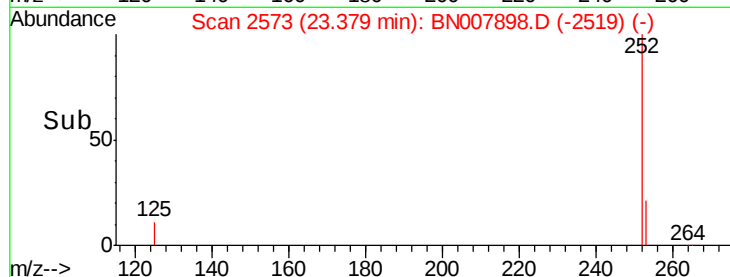
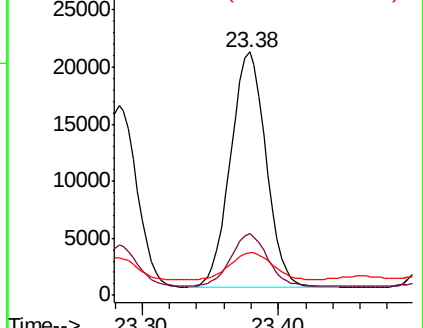
125 17.4 9.4 14.0#



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: 0.048 ng

RT: 25.69 min Scan# 3248

Delta R.T. -0.03 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

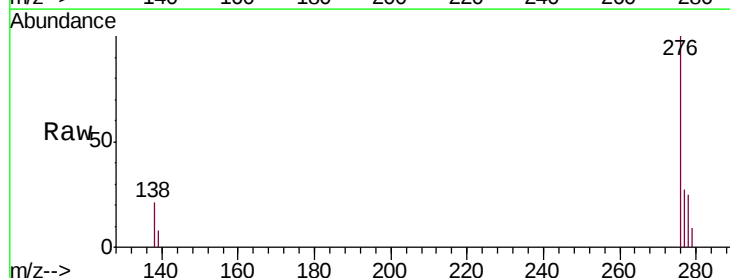
Tgt Ion:278 Resp: 7424

Ion Ratio Lower Upper

278 100

139 33.3 11.8 17.6#

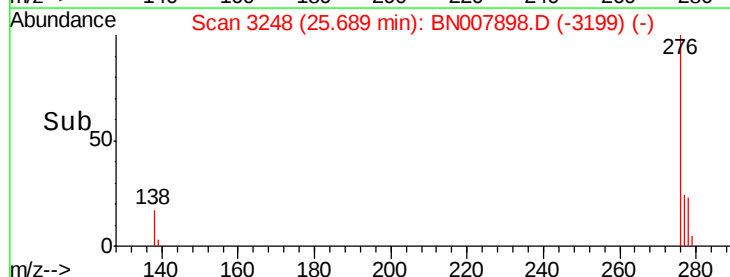
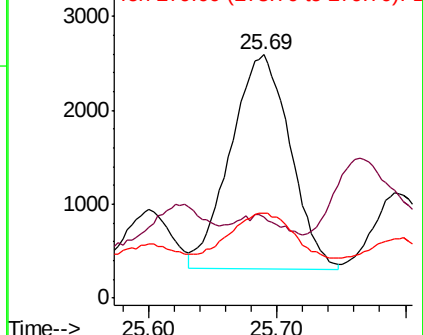
279 34.8 19.4 29.2#

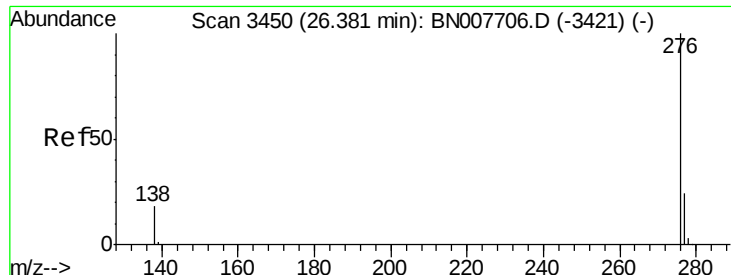


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.198 ng

RT: 26.36 min Scan# 3443

Delta R.T. -0.02 min

Lab File: BN007898.D

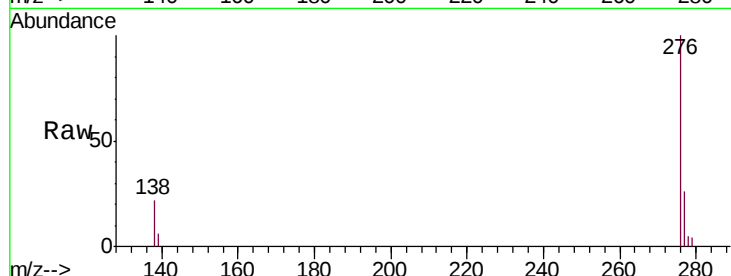
Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

ClientSampleId :

PST-024-SW138-092519



Tgt Ion: 276 Resp: 30246

Ion Ratio Lower Upper

276 100

277 26.4 19.8 29.8

138 22.2 15.1 22.7

