

Data File : BN007905.D
Acq On : 30 Sep 2019 20:13
Operator : JU
Sample : K5078-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-024-SW130-092519

Quant Time: Oct 01 06:52:07 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	7458	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	27852	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	15481	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	29410	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	34618	0.40	ng	-0.02
34) Perylene-d12	23.47	264	40933	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	5750	0.22	ng	0.00
5) Phenol-d6	6.86	99	7651	0.24	ng	0.00
8) Nitrobenzene-d5	8.83	82	6412	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	11539	0.25	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1598	0.19	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	15535	0.24	ng	-0.01
25) Fluoranthene-d10	19.09	212	24608	0.25	ng	-0.02
29) Terphenyl-d14	19.70	244	19453	0.23	ng	-0.02

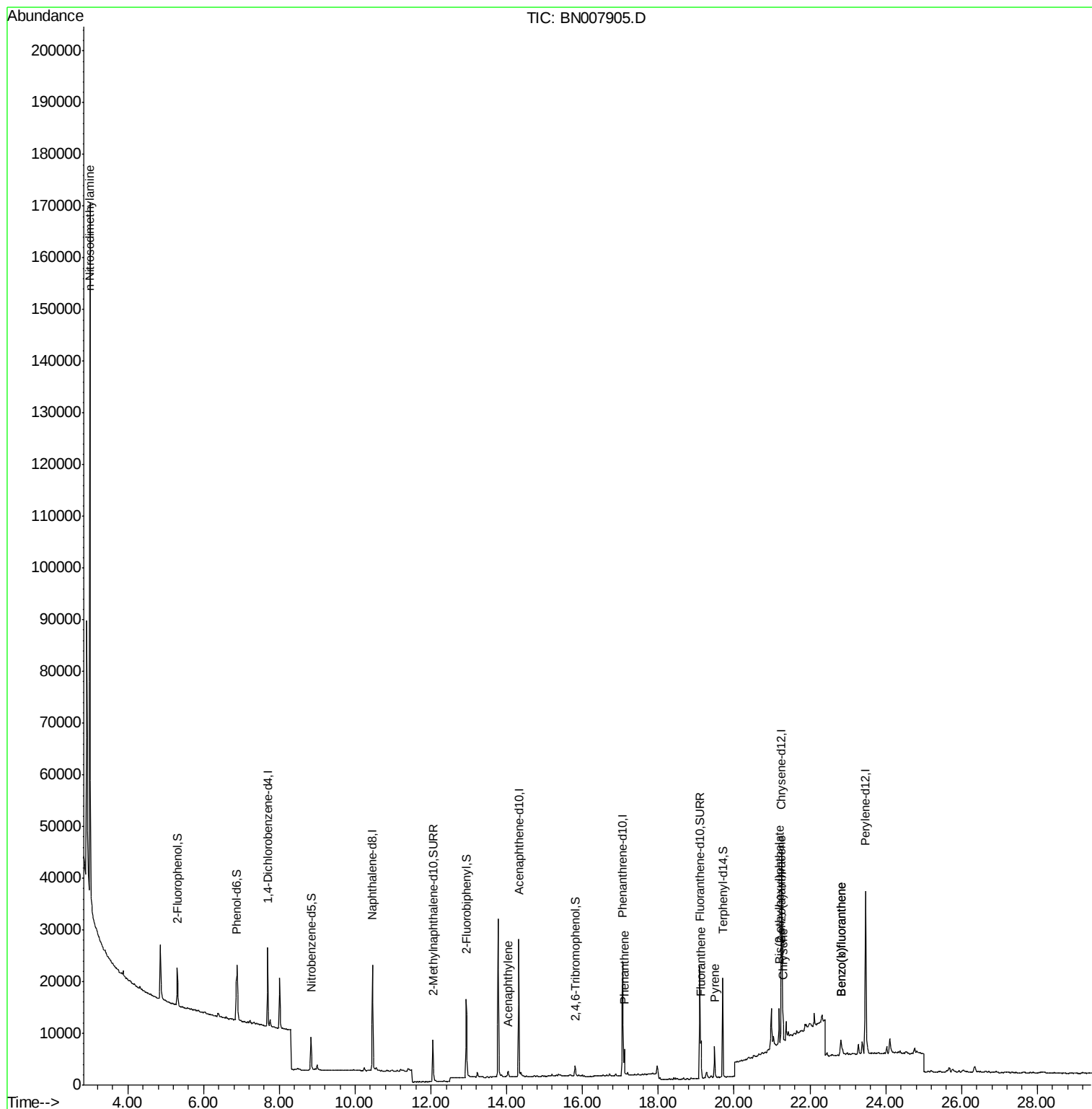
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.00	42	10345	2.717	ng	# 75
16) Acenaphthylene	14.03	152	2049	0.025	ng	97
23) Phenanthrene	17.10	178	5243	0.057	ng	98
26) Fluoranthene	19.12	202	6094	0.053	ng	# 97
28) Pyrene	19.49	202	5541	0.047	ng	# 94
30) Benzo(a)anthracene	21.24	228	2748	0.022	ng	# 57
31) Chrysene	21.29	228	3239	0.026	ng	# 77
32) Bis(2-ethylhexyl)phthalate	21.19	149	5736	0.087	ng	98
35) Benzo(b)fluoranthene	22.81	252	4039	0.028	ng	# 1
36) Benzo(k)fluoranthene	22.81	252	4039	0.029	ng	# 1

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

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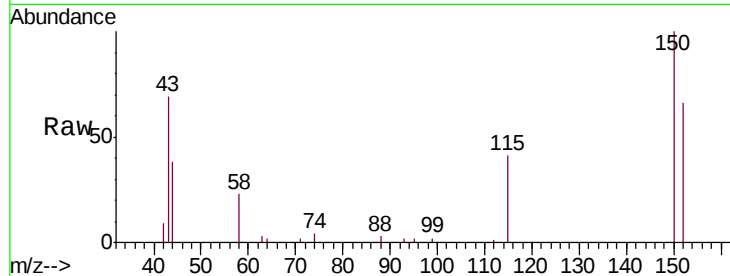


#1

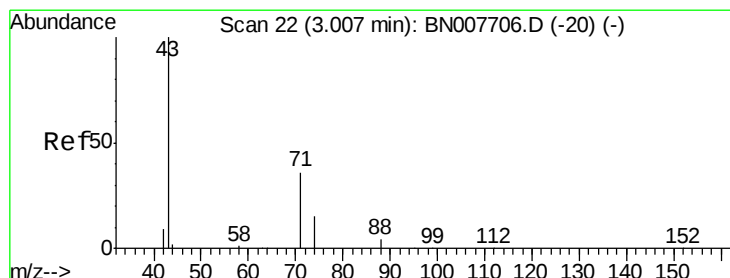
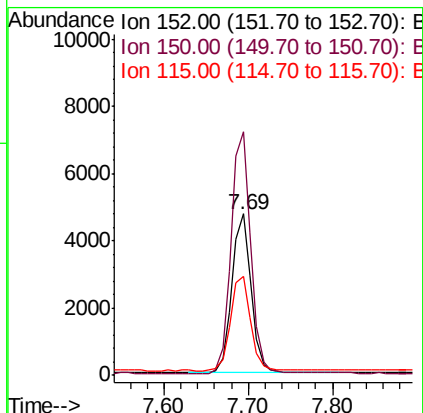
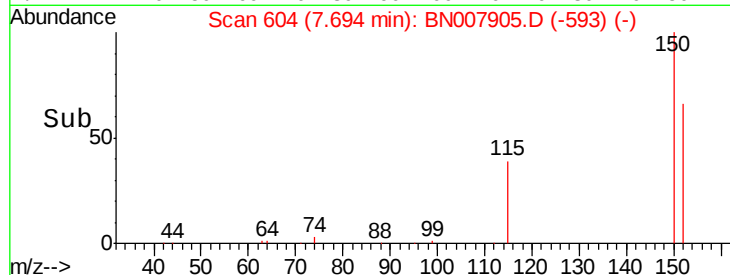
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007905.D
Acq: 30 Sep 2019 20:13

Instrument :
BNA_N
ClientSampleId :
PST-024-SW130-092519

Tgt Ion:152 Resp: 7458
Ion Ratio Lower Upper
152 100
150 150.9 125.6 188.4
115 61.2 53.3 79.9



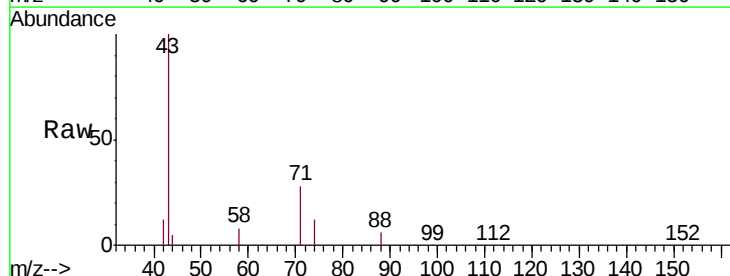
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



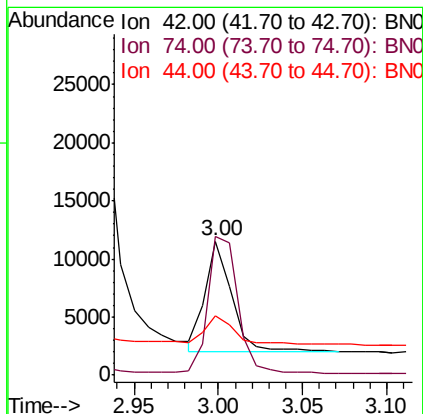
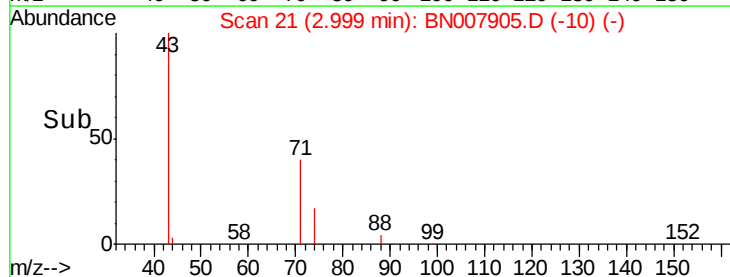
#3

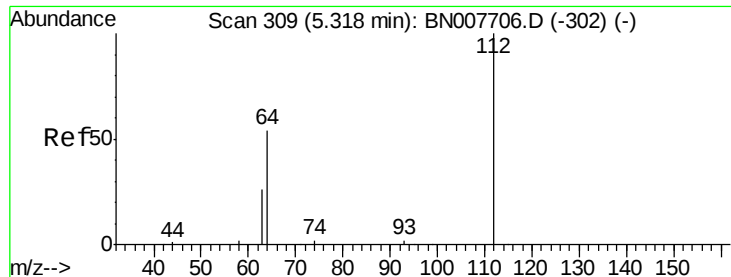
n-Nitrosodimethylamine
Concen: 2.717 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007905.D
Acq: 30 Sep 2019 20:13

Tgt Ion: 42 Resp: 10345
Ion Ratio Lower Upper
42 100
74 139.8 87.9 131.9#
44 28.6 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: 0.224 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA_N

ClientSampleId :

PST-024-SW130-092519

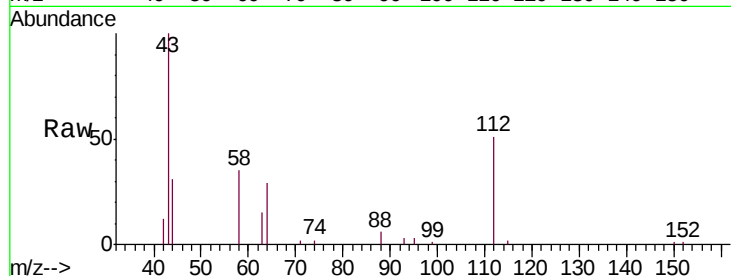
Tgt Ion: 112 Resp: 5750

Ion Ratio Lower Upper

112 100

64 58.8 46.6 70.0

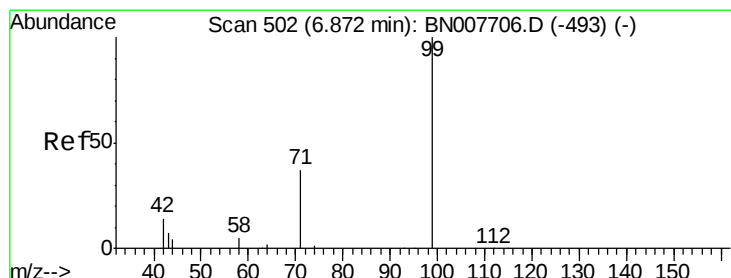
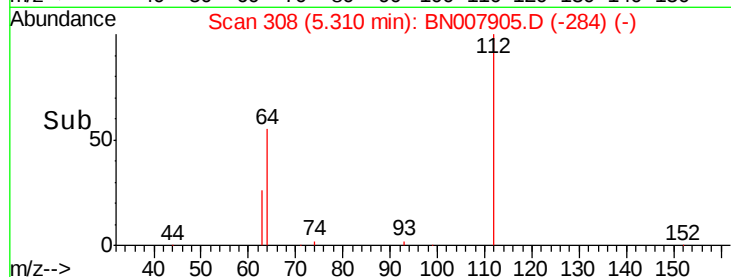
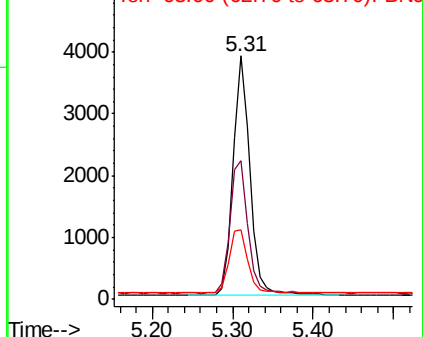
63 28.6 23.1 34.7



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: 0.237 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

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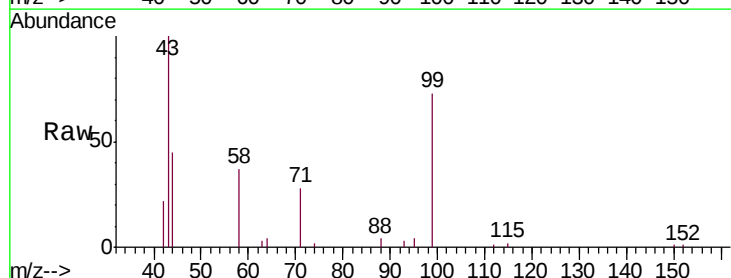
Tgt Ion: 99 Resp: 7651

Ion Ratio Lower Upper

99 100

42 21.1 12.8 19.2#

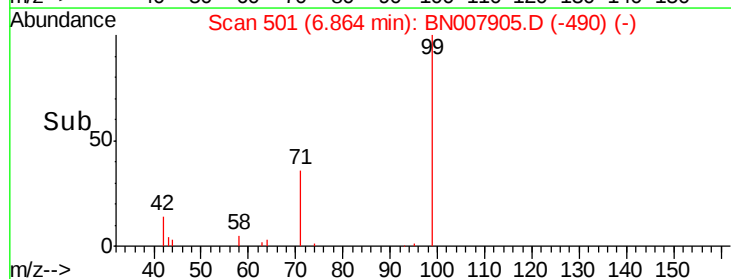
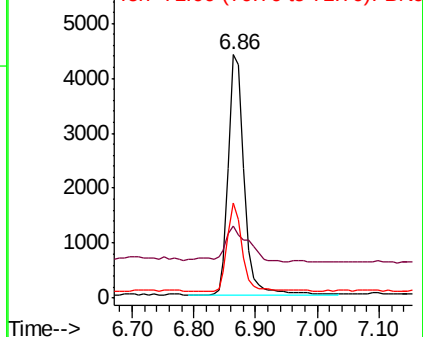
71 34.0 27.6 41.4



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: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA_N

ClientSampleId :

PST-024-SW130-092519

Tgt Ion:136 Resp: 27852

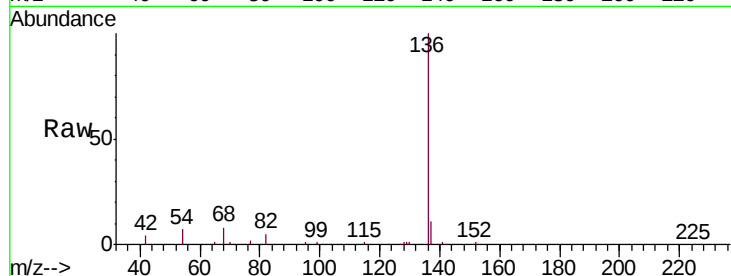
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 7.3 5.8 8.8

68 7.8 6.5 9.7

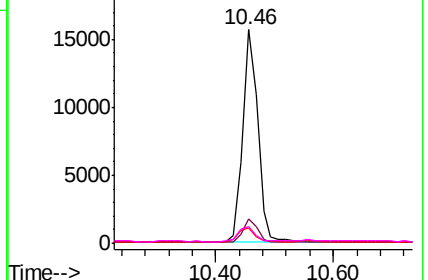
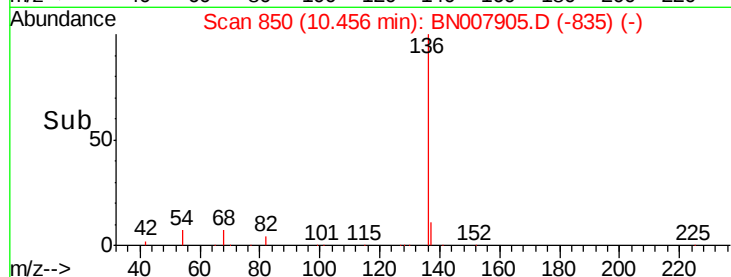


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.263 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

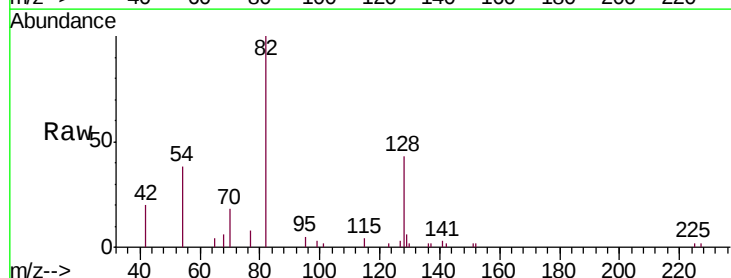
Tgt Ion: 82 Resp: 6412

Ion Ratio Lower Upper

82 100

128 42.6 24.5 36.7#

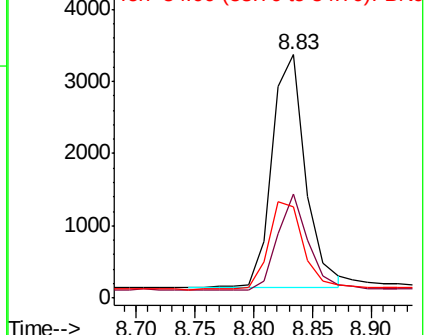
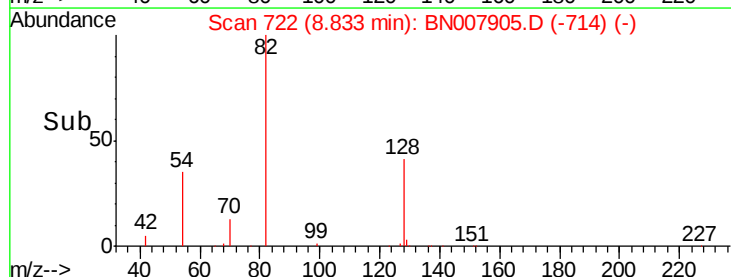
54 37.7 35.2 52.8



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

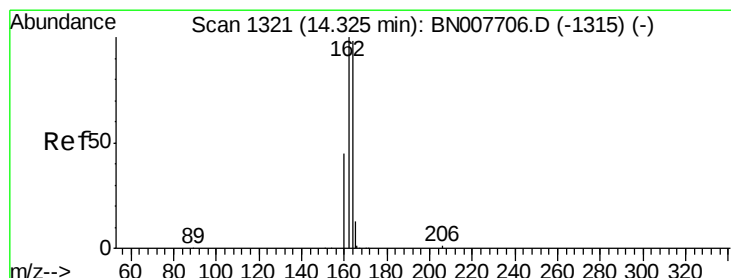
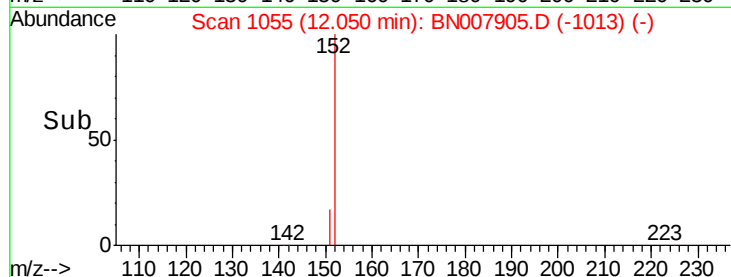
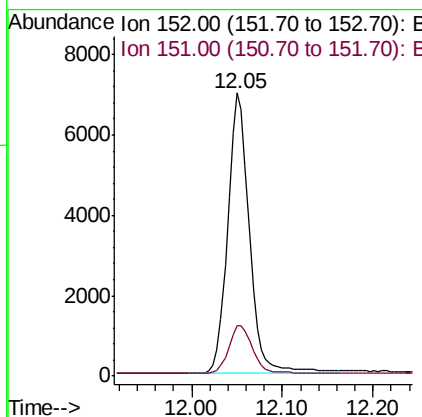
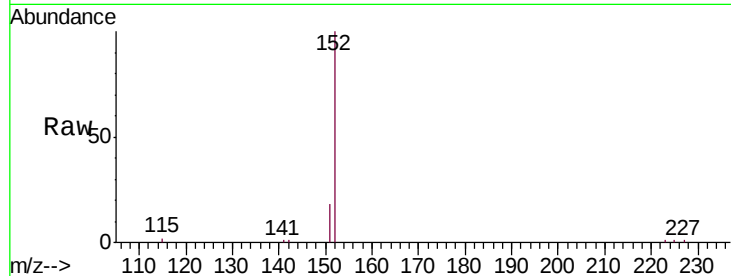




#11
 2-Methylnaphthalene-d10
 Concen: 0.246 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007905.D
 Acq: 30 Sep 2019 20:13

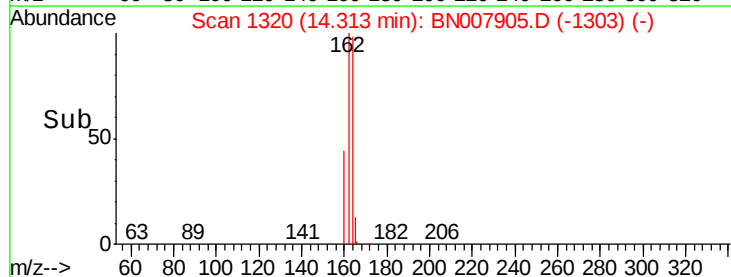
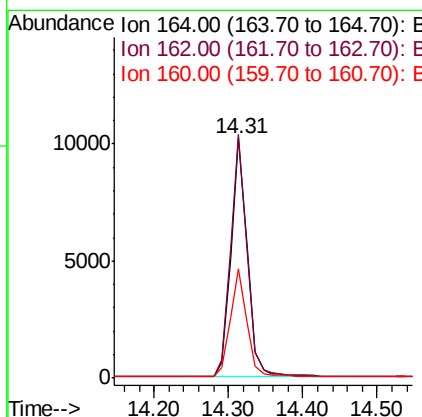
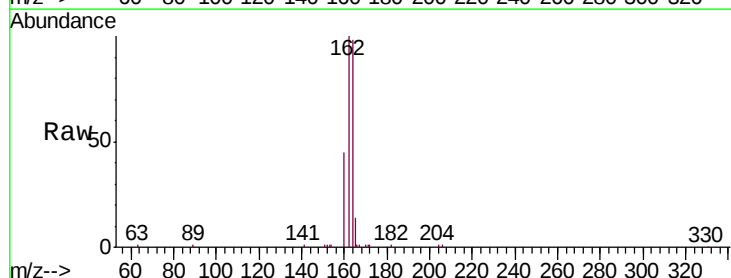
Instrument :
 BNA_N
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 PST-024-SW130-092519

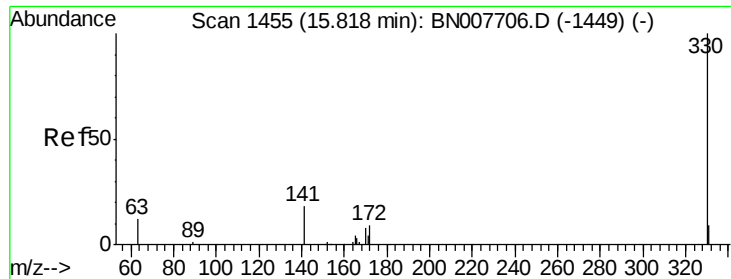
Tgt Ion:152 Resp: 11539
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.4 23.2



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BN007905.D
 Acq: 30 Sep 2019 20:13

Tgt Ion:164 Resp: 15481
 Ion Ratio Lower Upper
 164 100
 162 101.7 81.7 122.5
 160 45.5 37.0 55.4

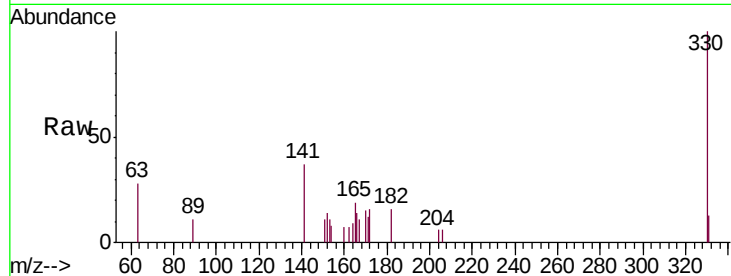




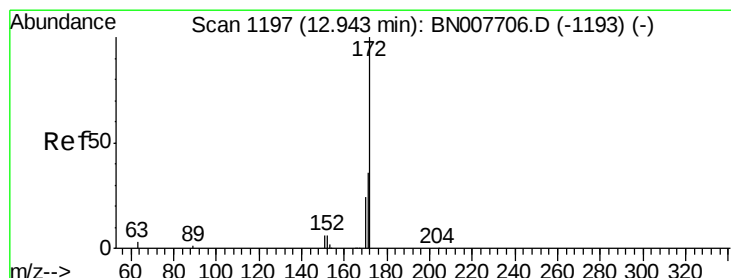
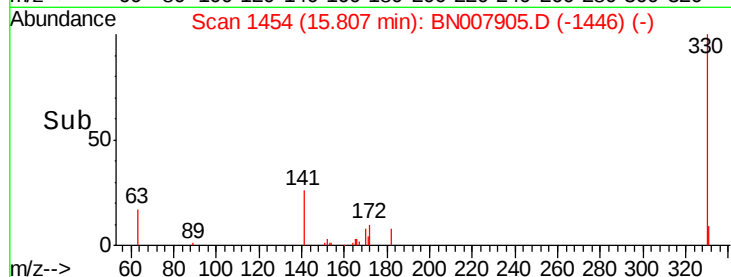
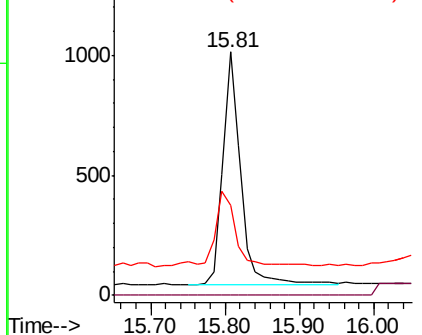
#14
 2,4,6-Tribromophenol
 Concen: 0.190 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN007905.D
 Acq: 30 Sep 2019 20:13

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW130-092519

Tgt Ion: 330 Resp: 1598
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 36.5 28.7 43.1

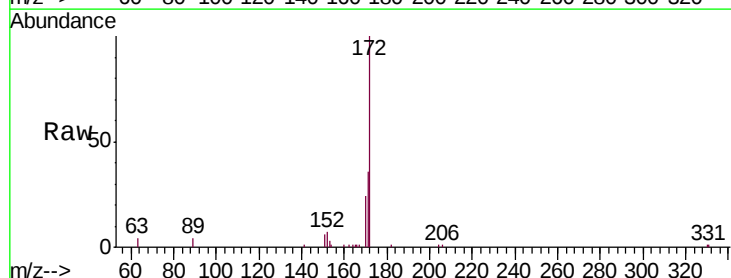


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

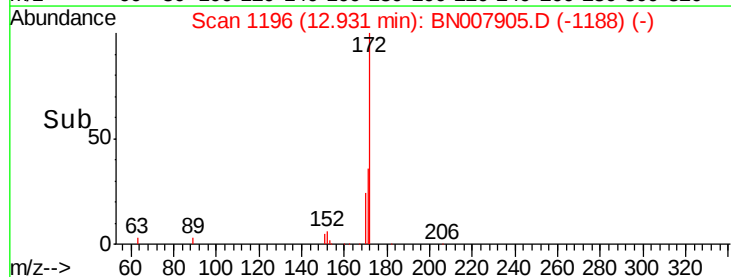
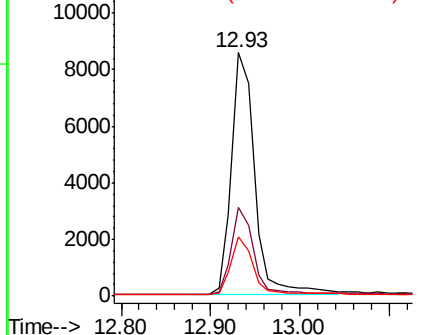


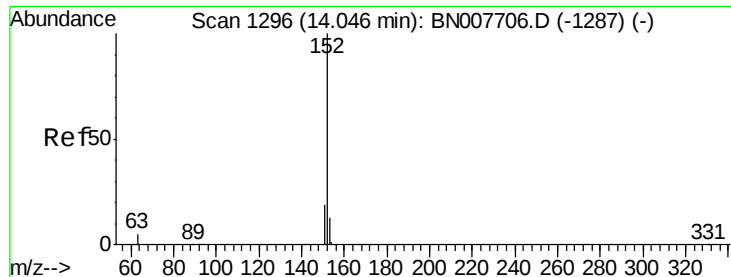
#15
 2-Fluorobiphenyl
 Concen: 0.244 ng
 RT: 12.93 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BN007905.D
 Acq: 30 Sep 2019 20:13

Tgt Ion: 172 Resp: 15535
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.8 43.2
 170 24.4 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.025 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007905.D

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Instrument :

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ClientSampleId :

PST-024-SW130-092519

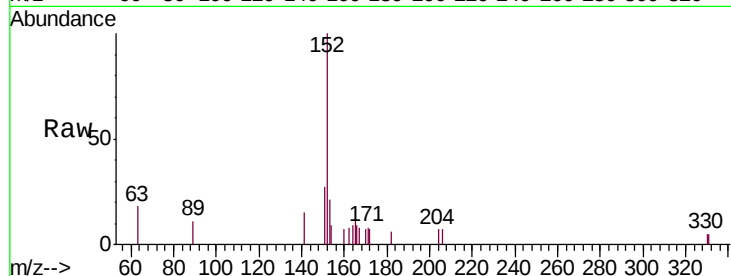
Tgt Ion:152 Resp: 2049

Ion Ratio Lower Upper

152 100

151 21.3 15.5 23.3

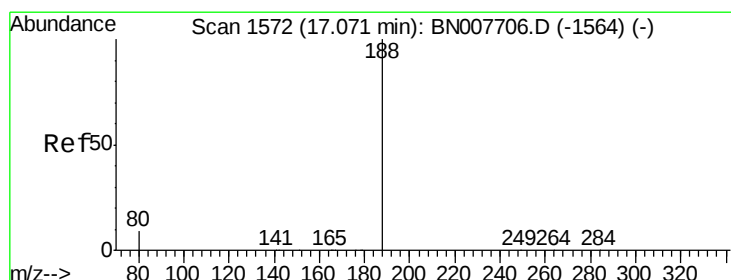
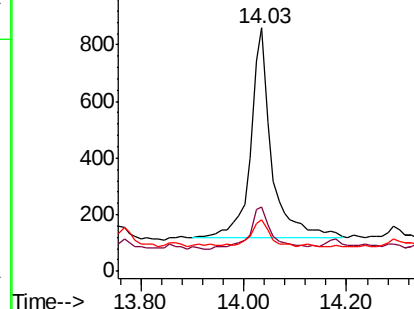
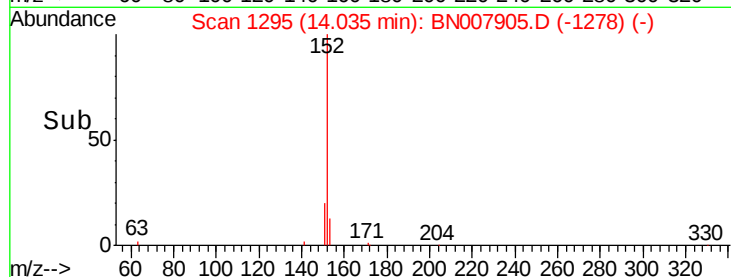
153 12.7 10.4 15.6



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: BN007905.D

Acq: 30 Sep 2019 20:13

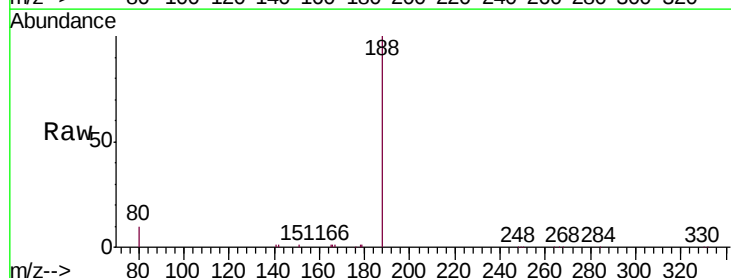
Tgt Ion:188 Resp: 29410

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

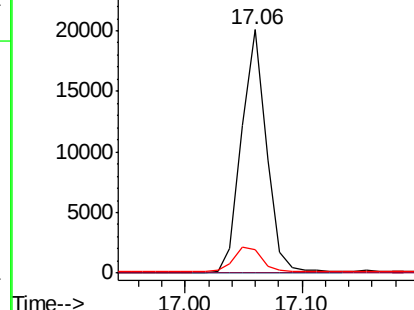
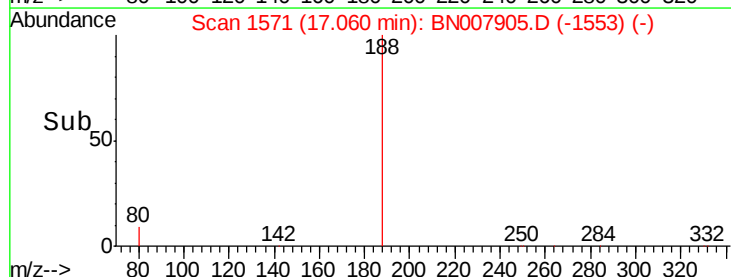
80 9.7 7.4 11.2

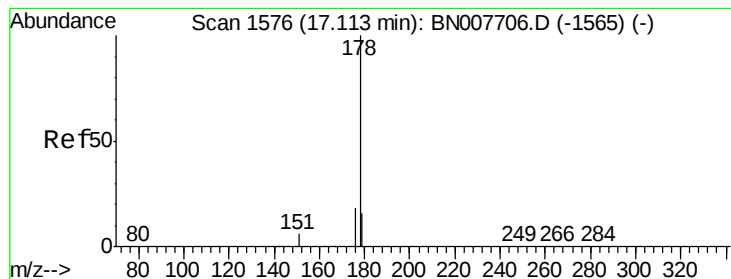


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.057 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

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PST-024-SW130-092519

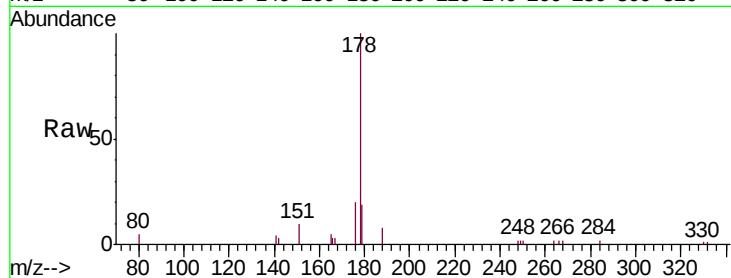
Tgt Ion:178 Resp: 5243

Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

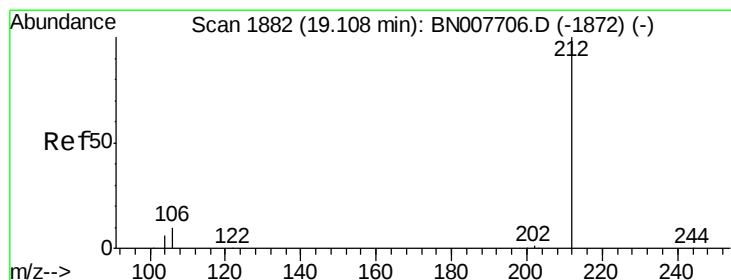
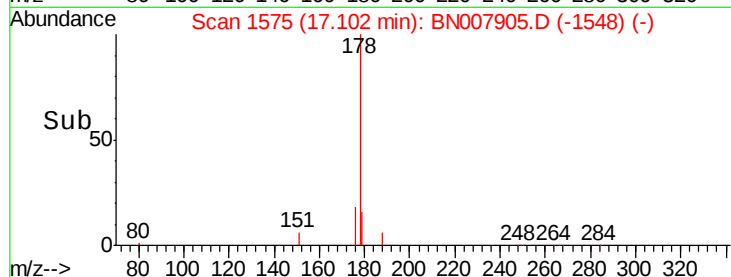
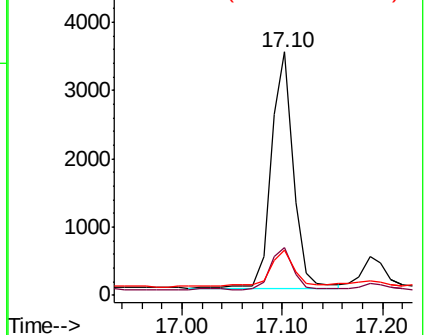
179 17.3 12.5 18.7



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: 0.248 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

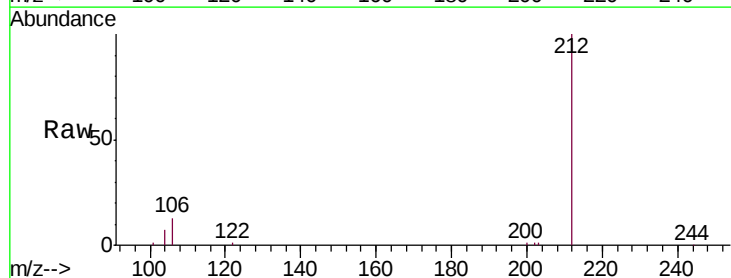
Tgt Ion:212 Resp: 24608

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

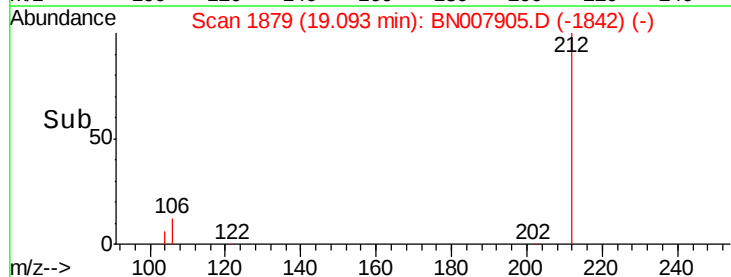
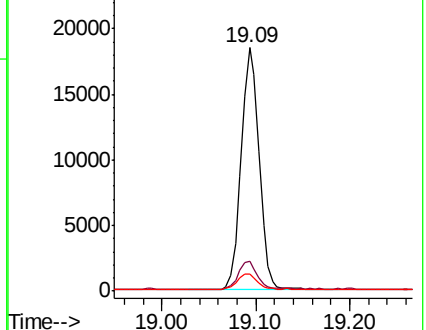
104 6.7 5.3 7.9

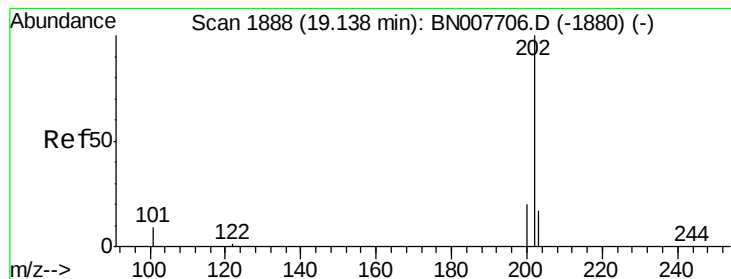


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.053 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

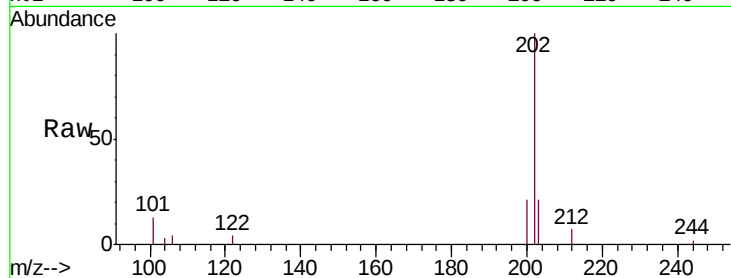
Instrument :

BNA_N

ClientSampleId :

PST-024-SW130-092519

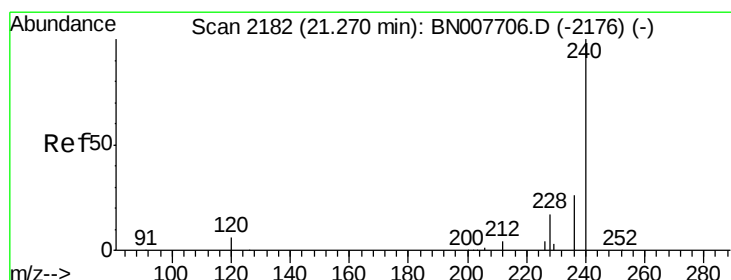
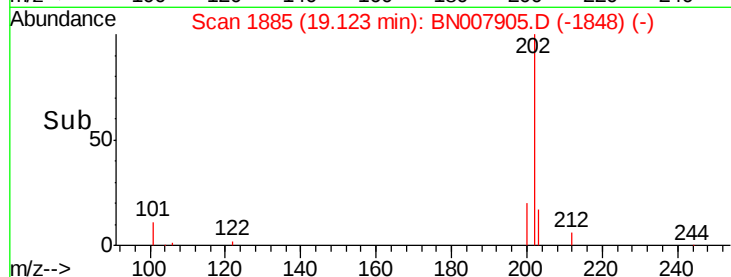
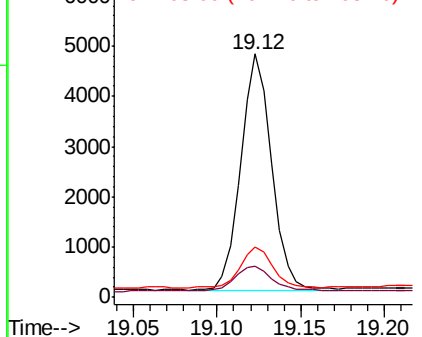
Tgt Ion:	202	Resp:	6094
Ion	Ratio	Lower	Upper
202	100		
101	12.8	8.4	12.6#
203	17.8	13.8	20.8



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

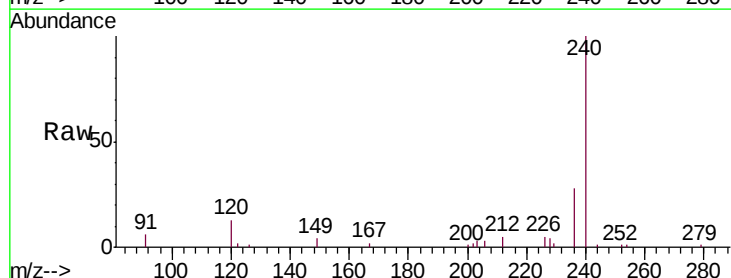
RT: 21.25 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

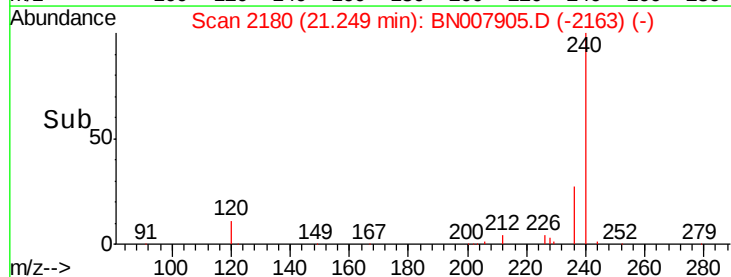
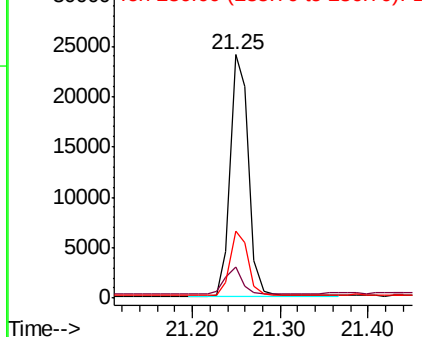
Tgt Ion:	240	Resp:	34618
Ion	Ratio	Lower	Upper
240	100		
120	12.8	5.4	8.2#
236	27.7	21.0	31.4

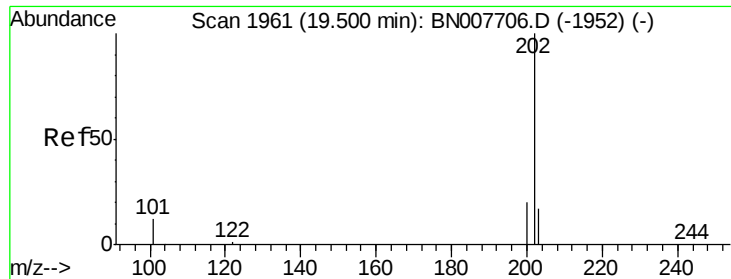


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.047 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

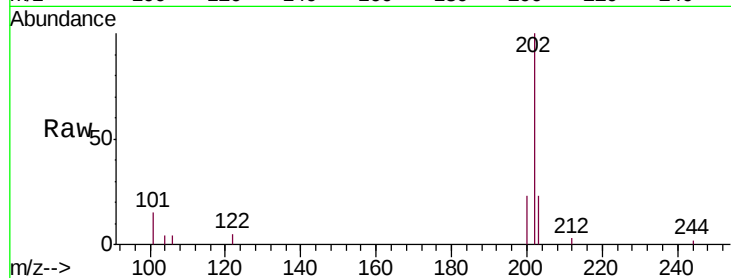
Instrument :

BNA_N

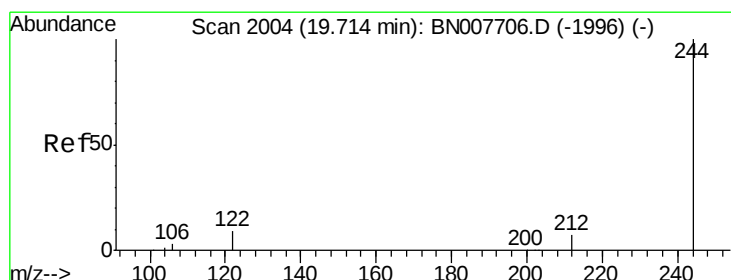
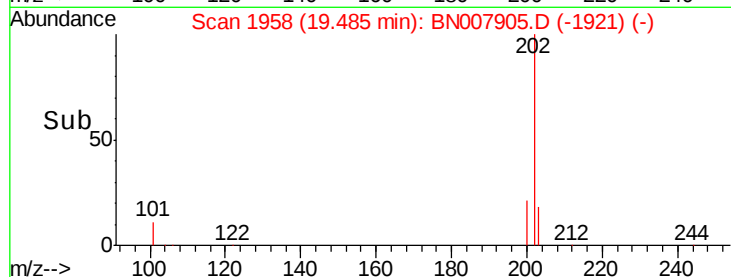
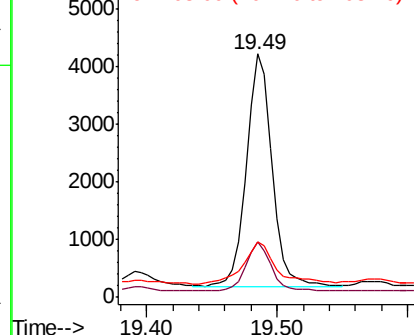
ClientSampleId :

PST-024-SW130-092519

Tgt Ion:	202	Resp:	5541
Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.4	24.6
203	23.0	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: 0.229 ng

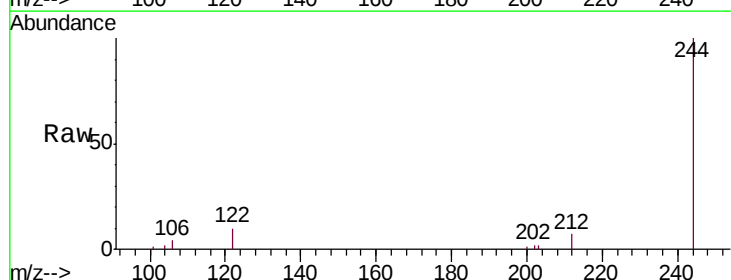
RT: 19.70 min Scan# 2001

Delta R.T. -0.02 min

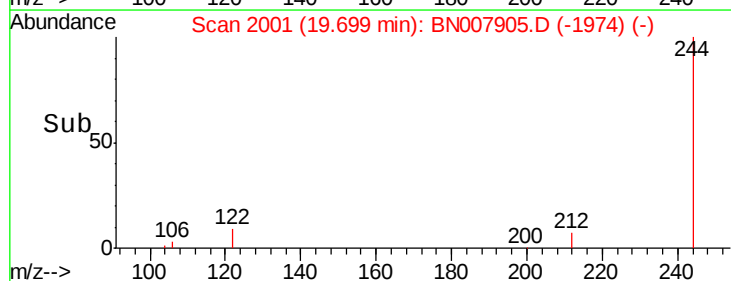
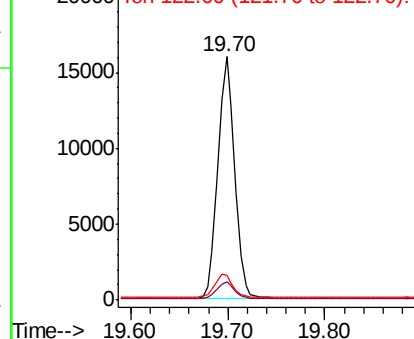
Lab File: BN007905.D

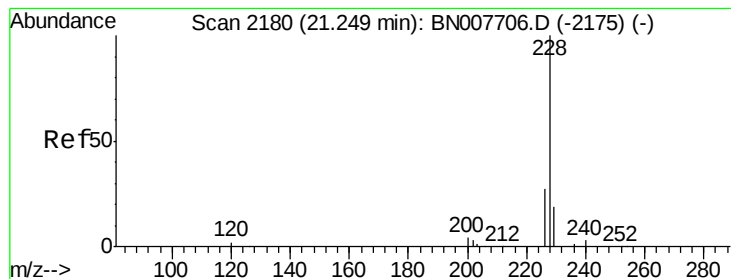
Acq: 30 Sep 2019 20:13

Tgt Ion:	244	Resp:	19453
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	10.1	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: 0.022 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA_N

ClientSampleId :

PST-024-SW130-092519

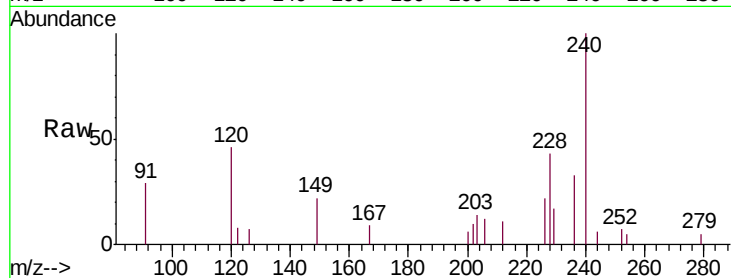
Tgt Ion:228 Resp: 2748

Ion Ratio Lower Upper

228 100

226 51.0 22.1 33.1#

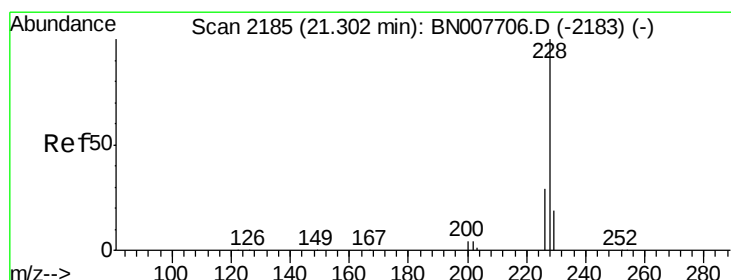
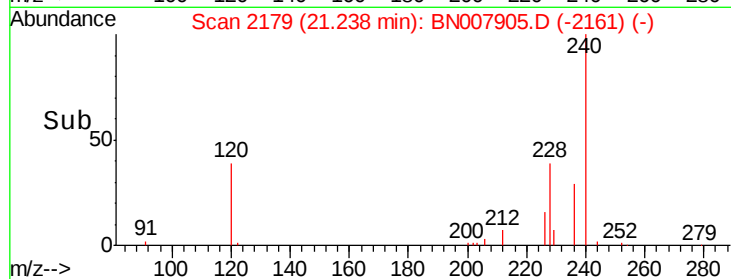
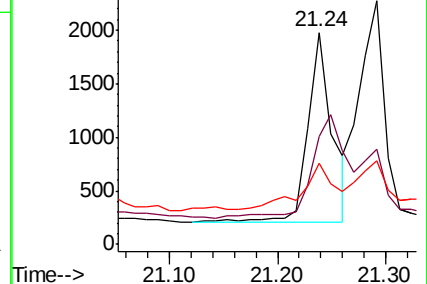
229 38.6 15.8 23.6#



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: 0.026 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

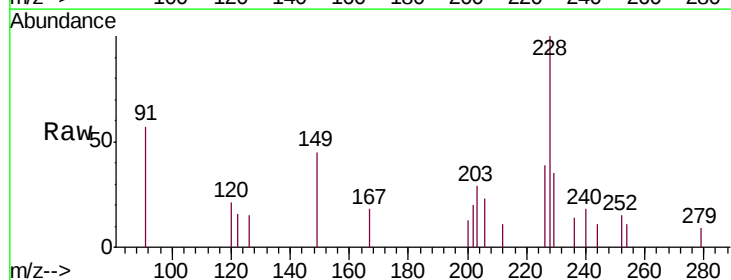
Tgt Ion:228 Resp: 3239

Ion Ratio Lower Upper

228 100

226 39.0 23.9 35.9#

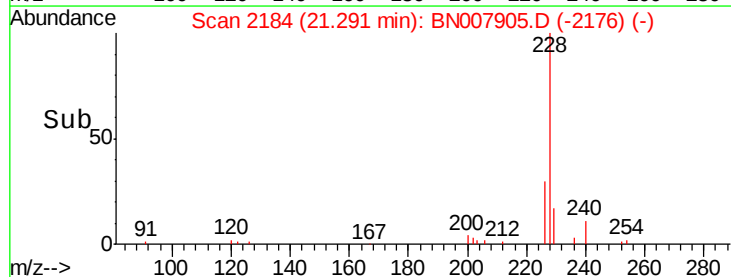
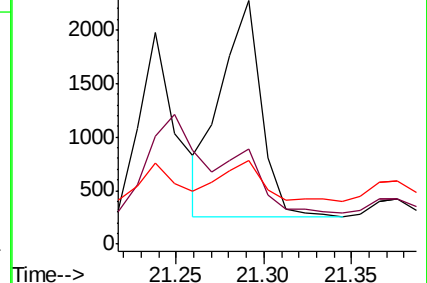
229 34.6 15.8 23.6#

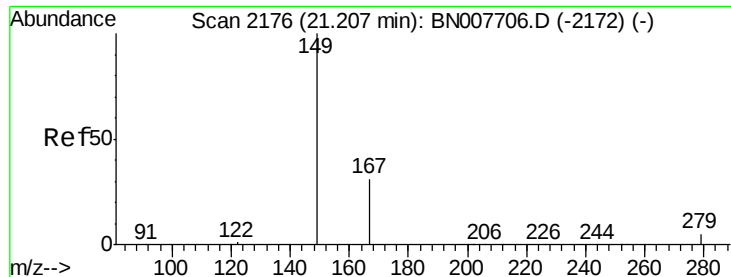


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.087 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA_N

ClientSampleId :

PST-024-SW130-092519

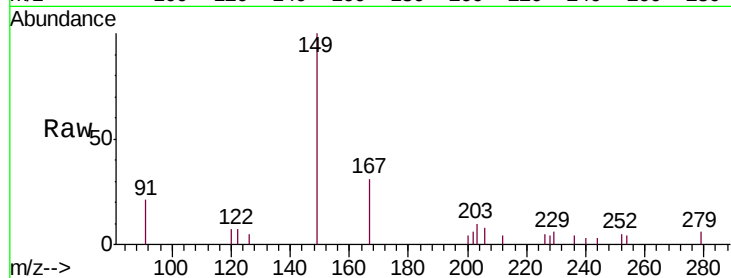
Tgt Ion:149 Resp: 5736

Ion Ratio Lower Upper

149 100

167 30.3 23.7 35.5

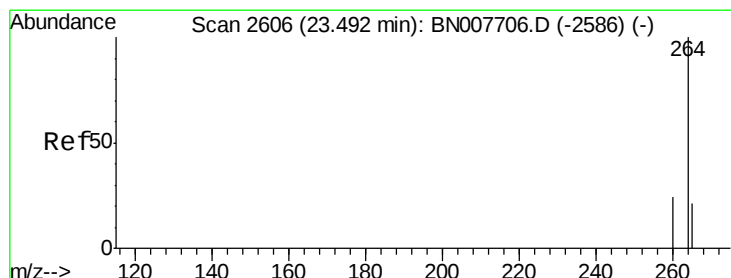
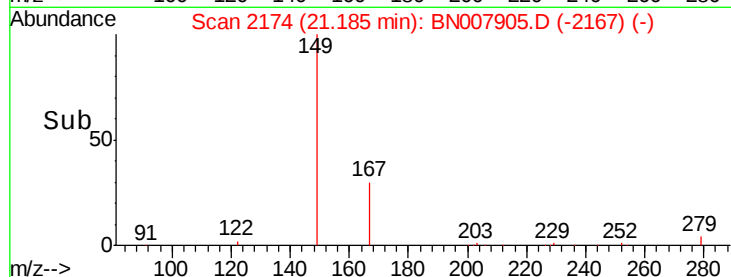
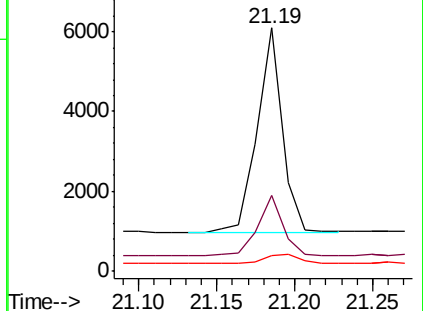
279 6.2 4.2 6.2



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2599

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

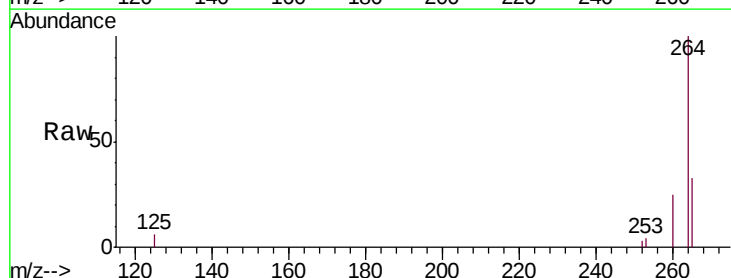
Tgt Ion:264 Resp: 40933

Ion Ratio Lower Upper

264 100

260 25.2 19.3 28.9

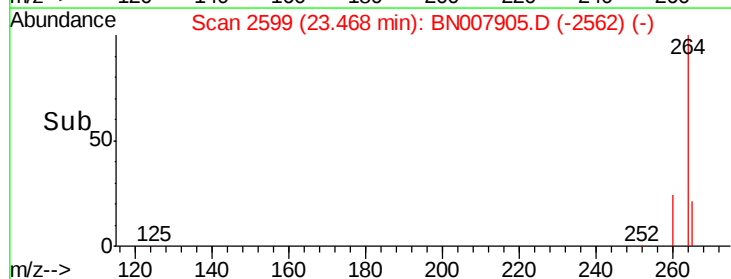
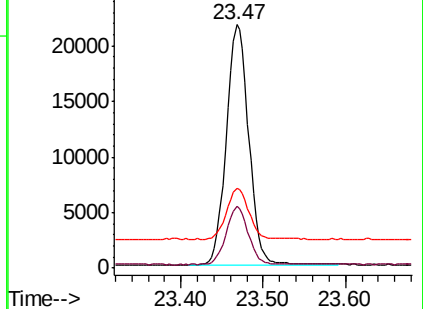
265 32.7 26.9 40.3

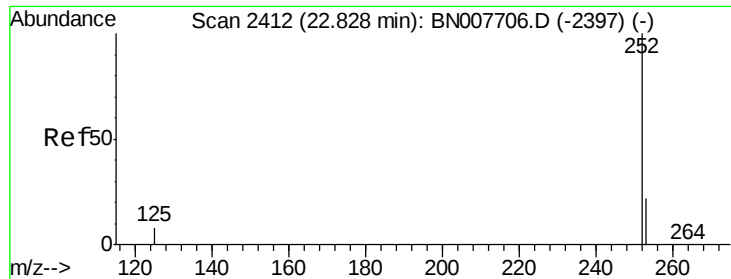


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.028 ng

RT: 22.81 min Scan# 2407

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA_N

ClientSampleId :

PST-024-SW130-092519

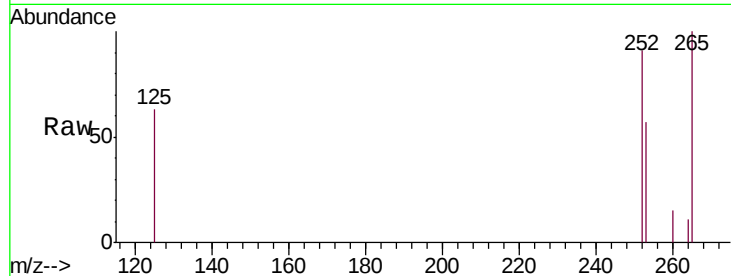
Tgt Ion:252 Resp: 4039

Ion Ratio Lower Upper

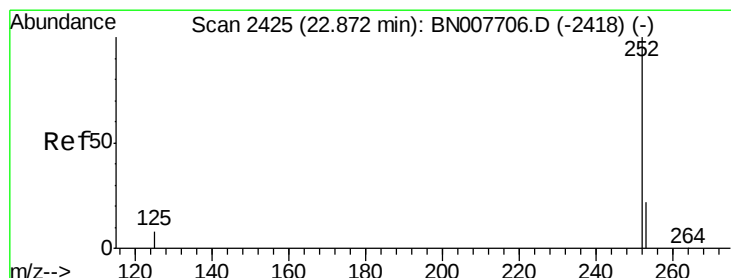
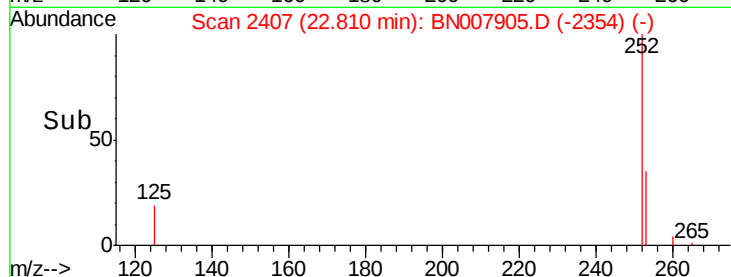
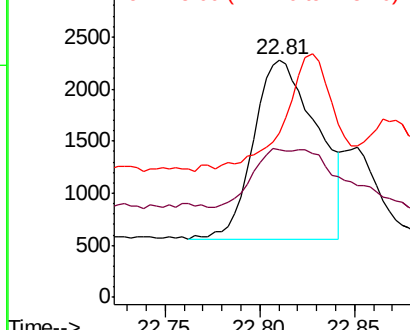
252 100

253 62.3 18.3 27.5#

125 69.2 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



#36

Benzo(k)fluoranthene

Concen: 0.029 ng

RT: 22.81 min Scan# 2407

Delta R.T. -0.06 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

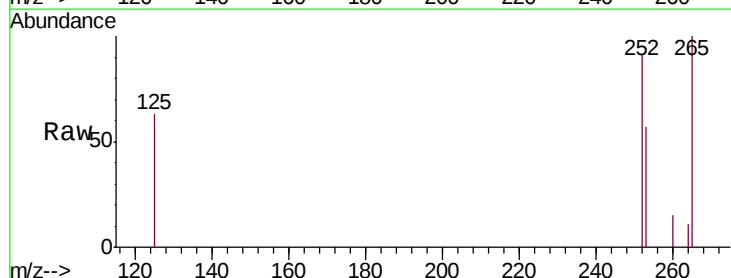
Tgt Ion:252 Resp: 4039

Ion Ratio Lower Upper

252 100

253 62.3 18.5 27.7#

125 69.2 8.4 12.6#



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

