

Data File : BN007184.D
Acq On : 15 Aug 2019 03:41
Operator : HP/JU
Sample : K4282-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Quant Time: Aug 15 11:53:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7663	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28713	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	15543	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	35123	0.40	ng	0.00
26) Chrysene-d12	21.03	240	33601	0.40	ng	-0.02
32) Perylene-d12	23.15	264	37833	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	1571	0.09	ng	0.00
4) Phenol-d6	6.61	99	2083	0.09	ng	0.00
7) Nitrobenzene-d5	8.55	82	1701	0.07	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	3606	0.07	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	184	0.02	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	876	0.04	ng	0.00
24) Fluoranthene-d10	18.86	212	7901	0.06	ng	-0.01
28) Terphenyl-d14	19.48	244	6054	0.07	ng	-0.02

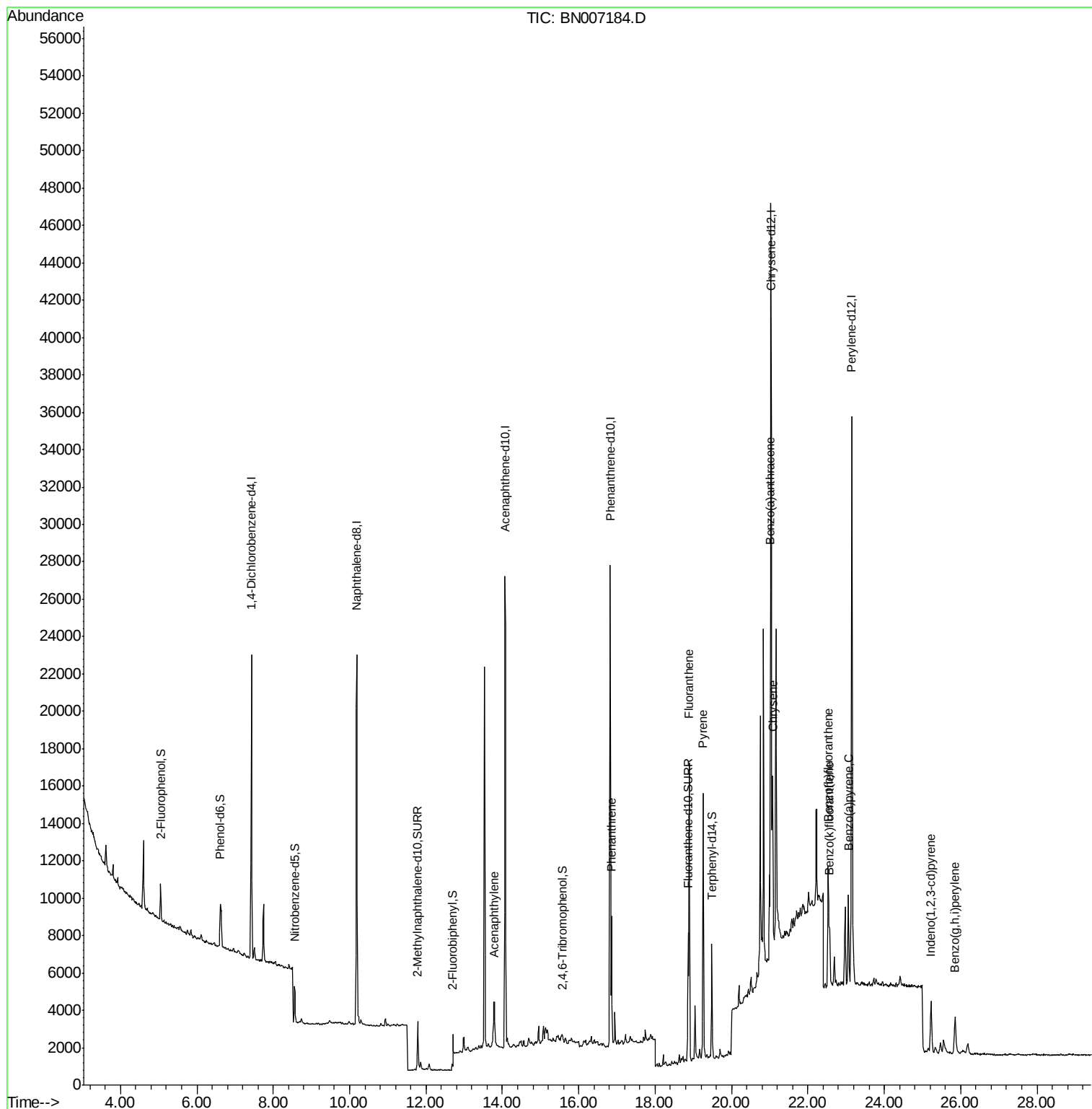
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.79	152	6201	0.076	ng	97
22) Phenanthrene	16.87	178	8072	0.077	ng	99
25) Fluoranthene	18.89	202	14703	0.109	ng	100
27) Pyrene	19.26	202	13358	0.113	ng	# 95
29) Benzo(a)anthracene	21.02	228	8754	0.071	ng	# 76
30) Chrysene	21.08	228	9083	0.076	ng	# 92
31) Indeno(1,2,3-cd)pyrene	25.22	276	4098	0.031	ng	100
33) Benzo(b)fluoranthene	22.53	252	10234	0.079	ng	# 73
34) Benzo(k)fluoranthene	22.57	252	4519m	0.035	ng	
35) Benzo(a)pyrene	23.06	252	6463	0.055	ng	# 68
37) Benzo(g,h,i)perylene	25.85	276	4032	0.033	ng	# 64

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

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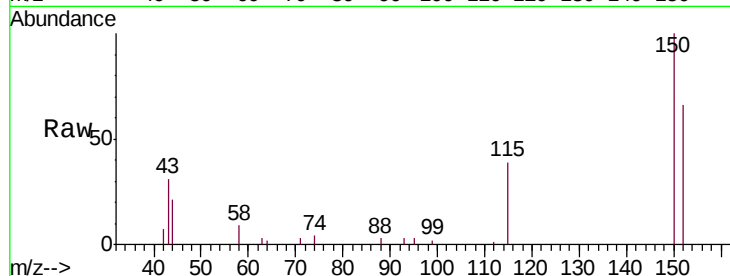


#1

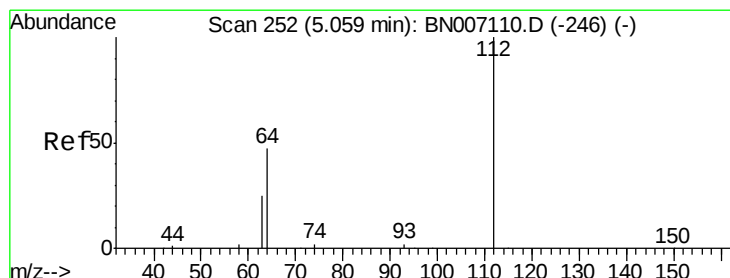
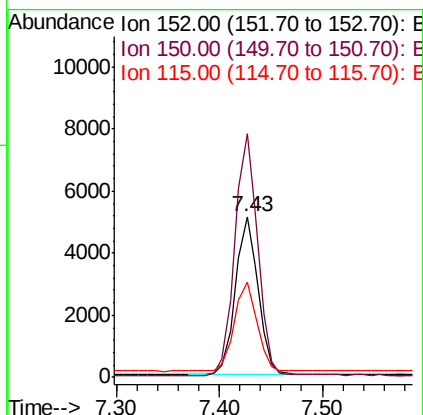
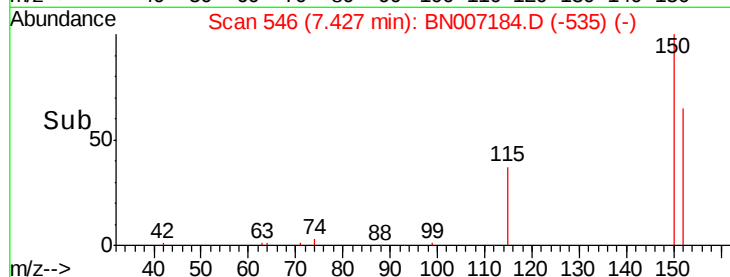
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.43 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BN007184.D
 Acq: 15 Aug 2019 03:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B240-080819

Tgt Ion:152 Resp: 7663
 Ion Ratio Lower Upper
 152 100
 150 151.3 121.7 182.5
 115 58.7 46.2 69.4



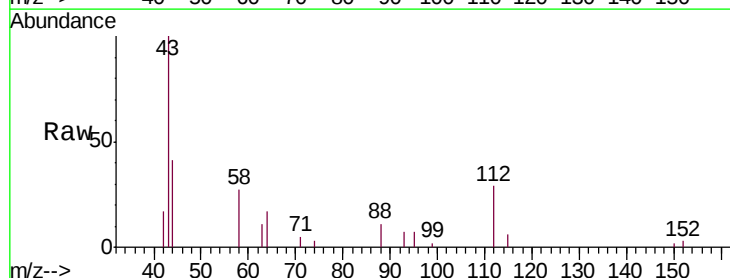
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



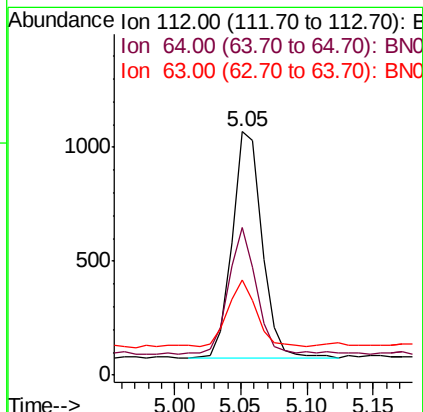
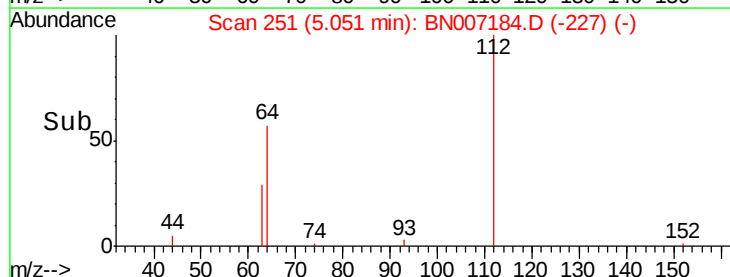
#3

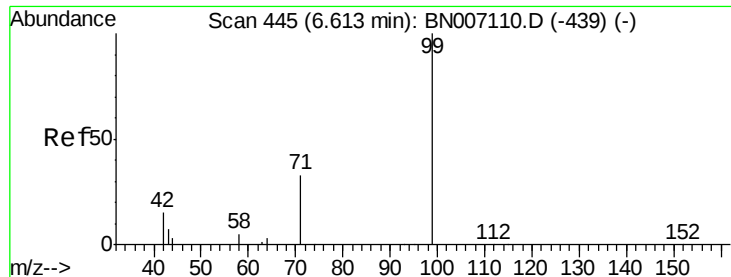
2-Fluorophenol
 Concen: 0.085 ng
 RT: 5.05 min Scan# 251
 Delta R.T. -0.01 min
 Lab File: BN007184.D
 Acq: 15 Aug 2019 03:41

Tgt Ion:112 Resp: 1571
 Ion Ratio Lower Upper
 112 100
 64 50.7 42.6 63.8
 63 28.0 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BNC
 Ion 63.00 (62.70 to 63.70): BNC





#4

Phenol-d6

Concen: 0.091 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819

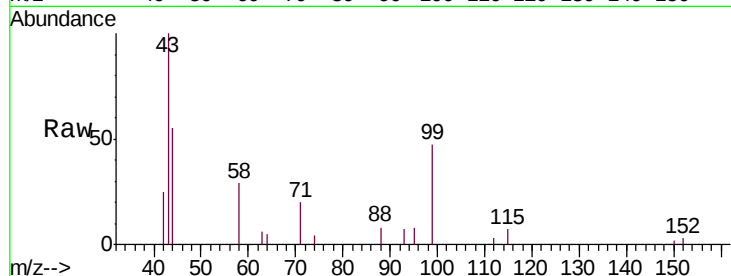
Tgt Ion: 99 Resp: 2083

Ion Ratio Lower Upper

99 100

42 30.4 15.8 23.6#

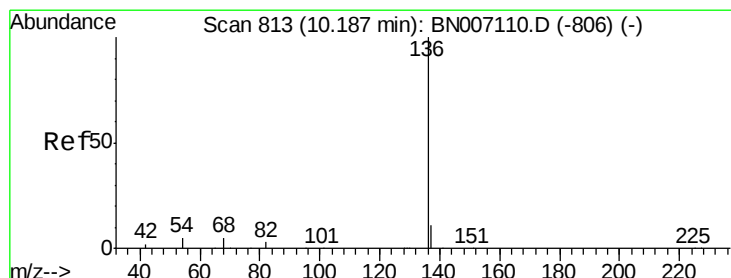
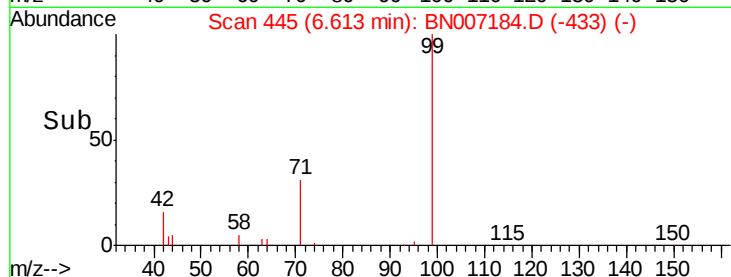
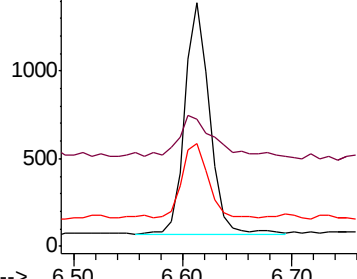
71 34.8 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BN007110.D (-439) (-)

Ion 42.00 (41.70 to 42.70): BN007110.D (-439) (-)

Ion 71.00 (70.70 to 71.70): BN007110.D (-439) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Tgt Ion: 136 Resp: 28713

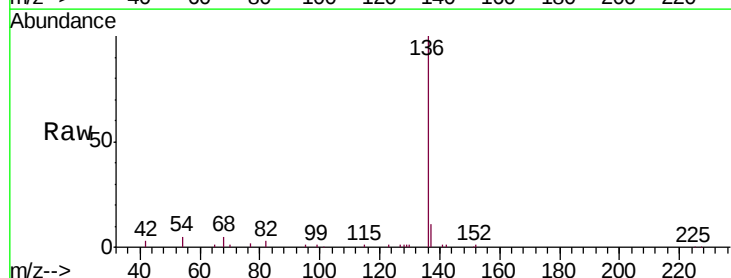
Ion Ratio Lower Upper

136 100

137 11.3 9.4 14.0

54 5.0 6.6 9.8#

68 4.8 6.0 9.0#

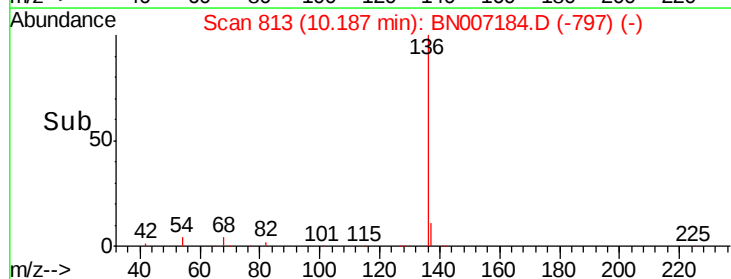
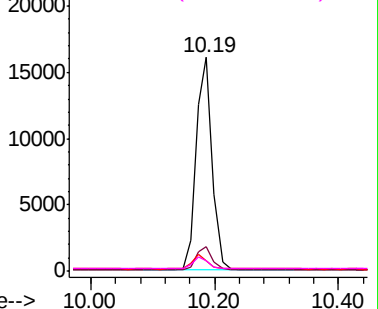


Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

Ion 137.00 (136.70 to 137.70): BN007110.D (-806) (-)

Ion 54.00 (53.70 to 54.70): BN007110.D (-806) (-)

Ion 68.00 (67.70 to 68.70): BN007110.D (-806) (-)





#7

Nitrobenzene-d5

Concen: 0.073 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819

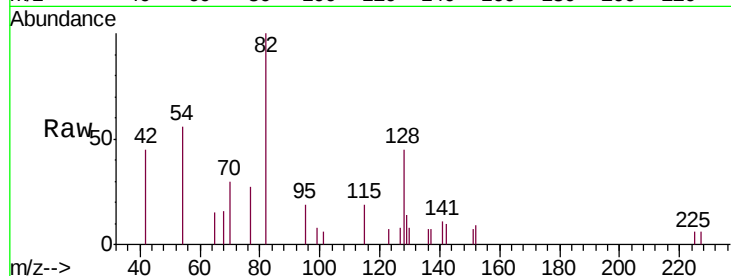
Tgt Ion: 82 Resp: 1701

Ion Ratio Lower Upper

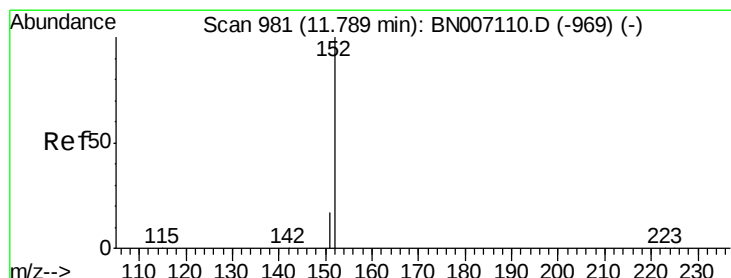
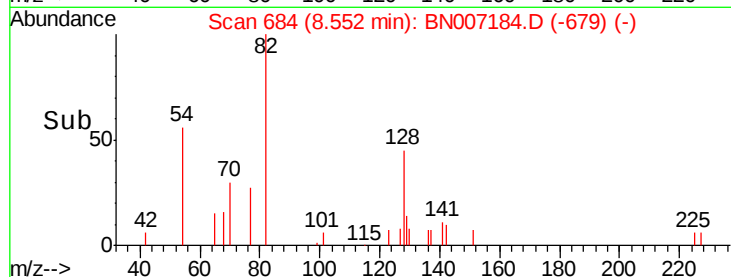
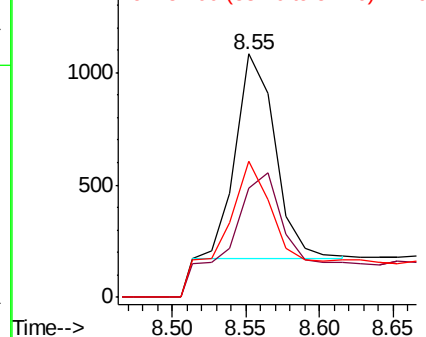
82 100

128 44.6 34.6 51.8

54 55.9 36.2 54.4#



Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 128.00 (127.70 to 128.70): BNC
Ion 54.00 (53.70 to 54.70): BNC



#10

2-Methylnaphthalene-d10

Concen: 0.067 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007184.D

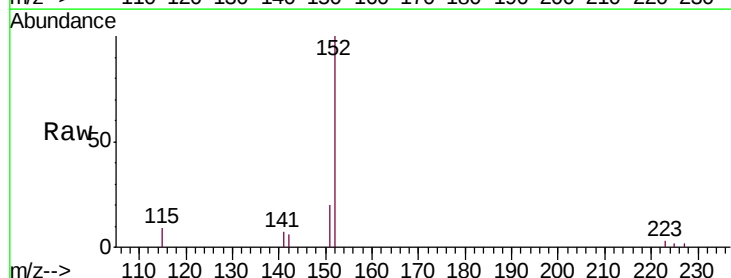
Acq: 15 Aug 2019 03:41

Tgt Ion: 152 Resp: 3606

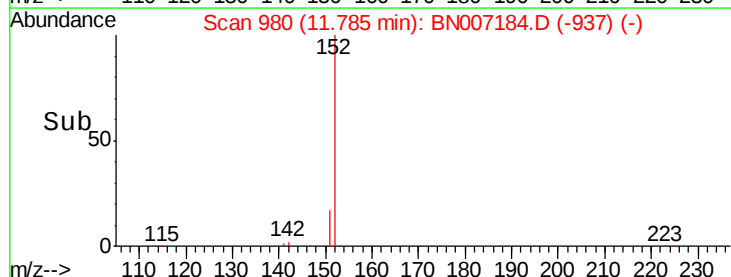
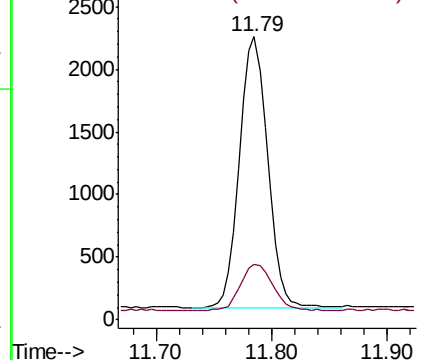
Ion Ratio Lower Upper

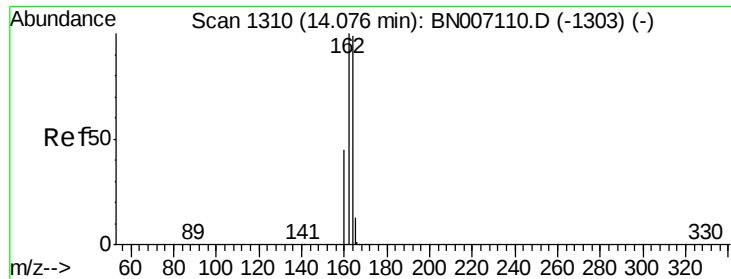
152 100

151 19.6 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BNC
Ion 151.00 (150.70 to 151.70): BNC





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819

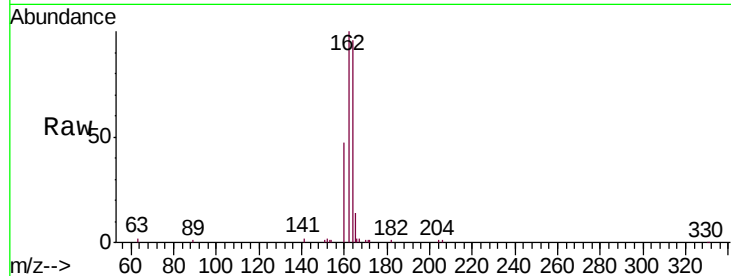
Tgt Ion:164 Resp: 15543

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.4

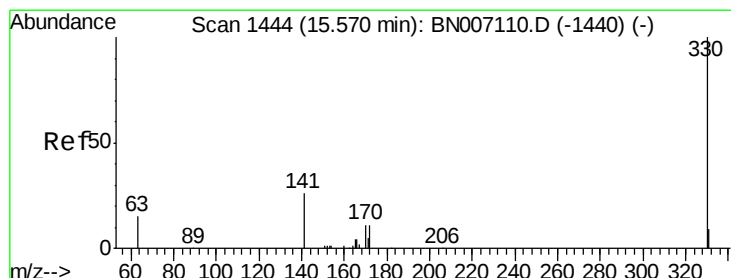
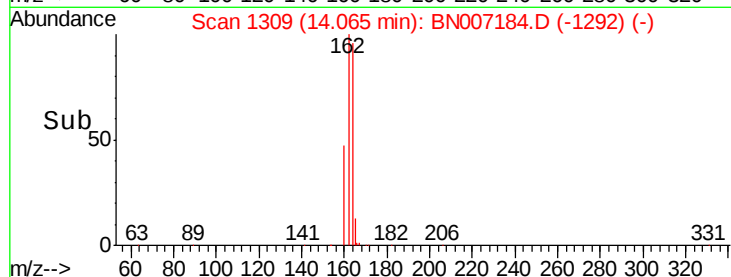
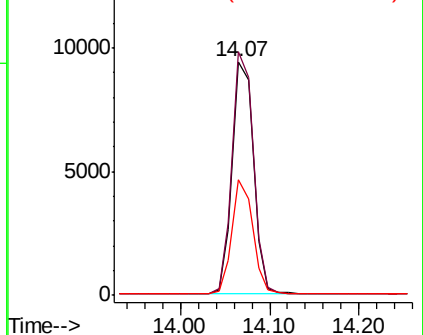
160 49.4 38.3 57.5



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



#13

2,4,6-Tribromophenol

Concen: 0.022 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

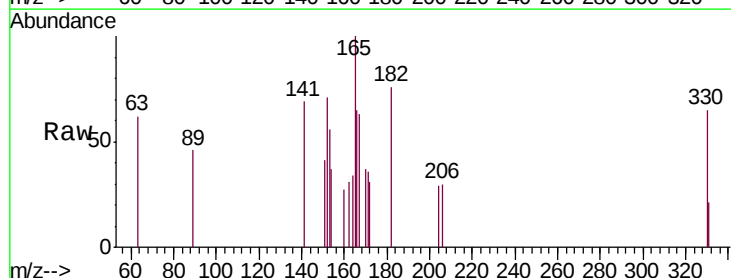
Tgt Ion:330 Resp: 184

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

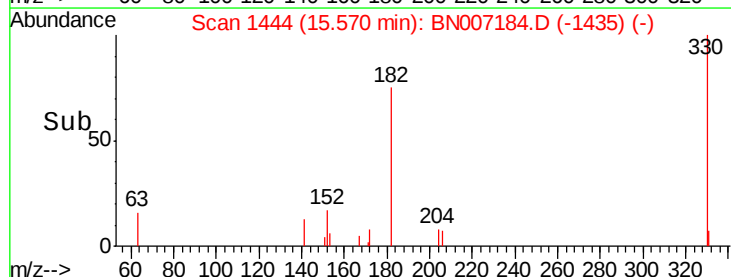
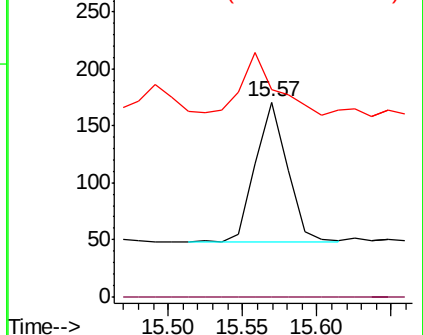
141 47.8 33.6 50.4

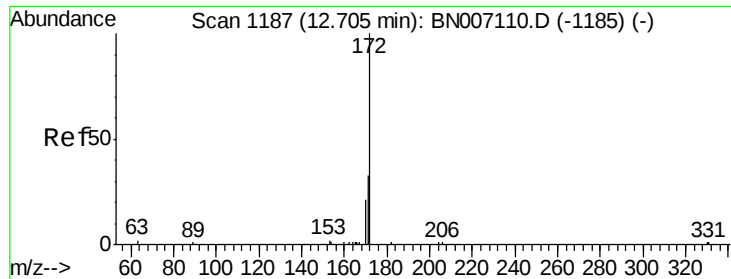


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

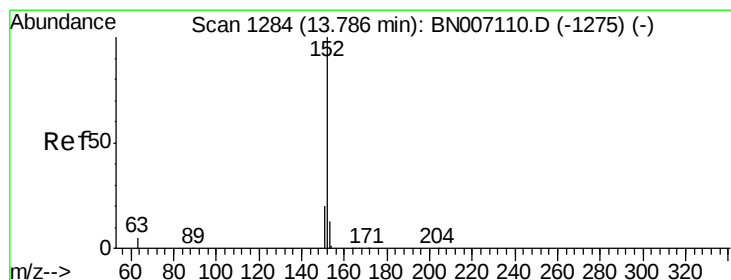
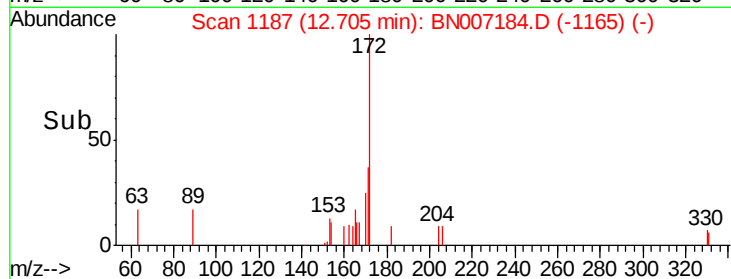
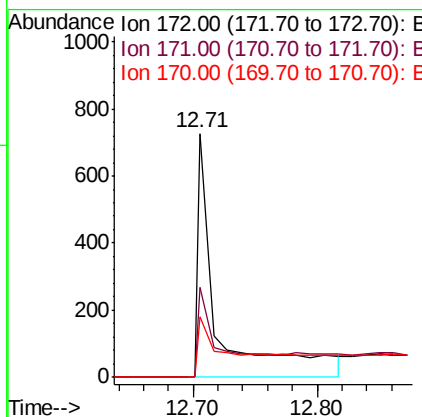
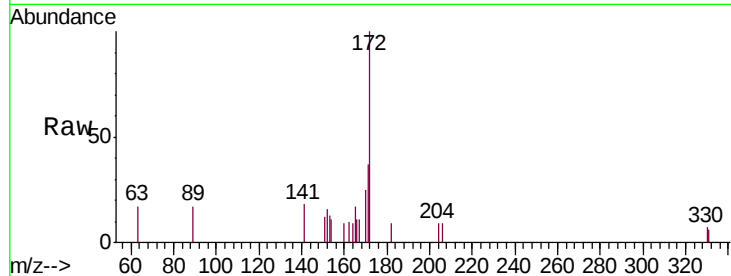




#14
2-Fluorobiphenyl
Concen: 0.039 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

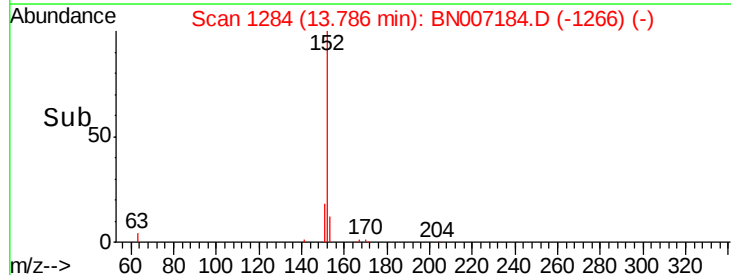
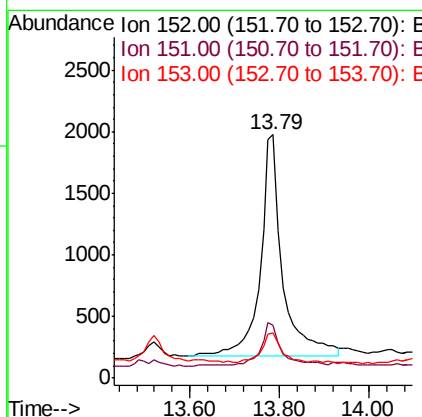
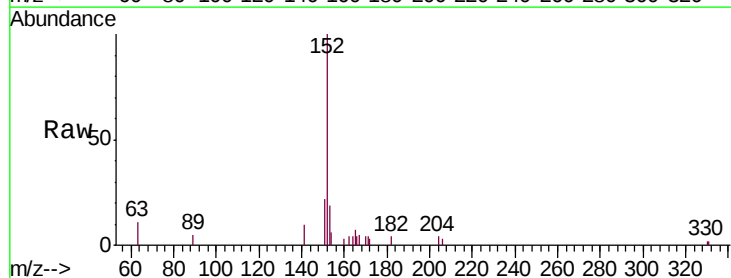
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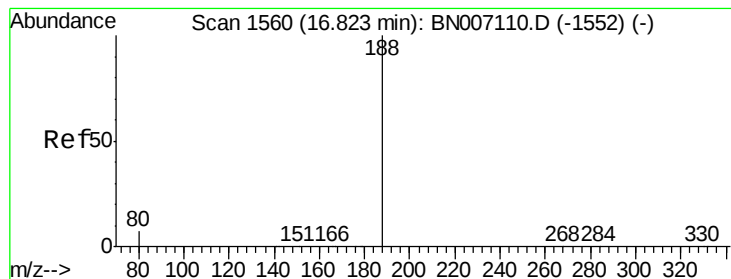
Tgt Ion:172 Resp: 876
Ion Ratio Lower Upper
172 100
171 36.8 26.3 39.5
170 25.1 17.0 25.4



#15
Acenaphthylene
Concen: 0.076 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

Tgt Ion:152 Resp: 6201
Ion Ratio Lower Upper
152 100
151 18.5 15.8 23.6
153 11.8 10.4 15.6





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819

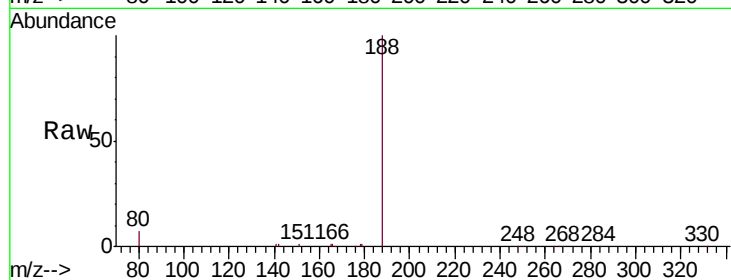
Tgt Ion:188 Resp: 35123

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

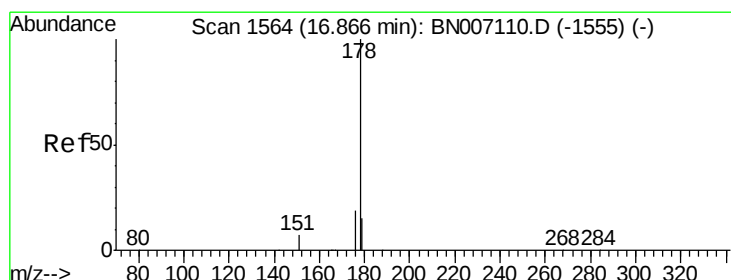
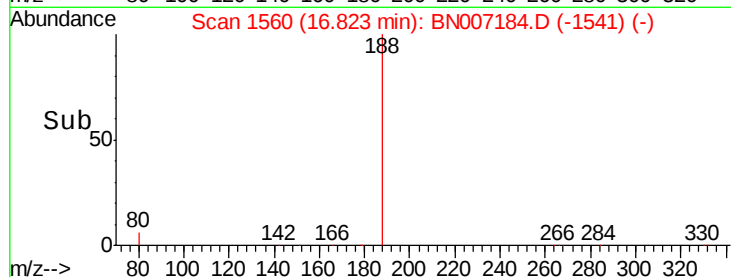
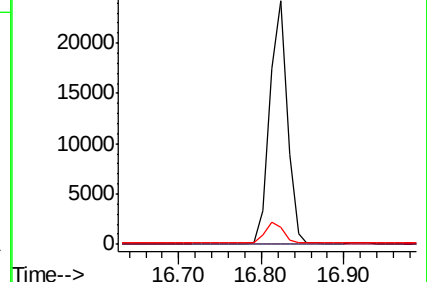
80 6.9 7.8 11.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#22

Phenanthrene

Concen: 0.077 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

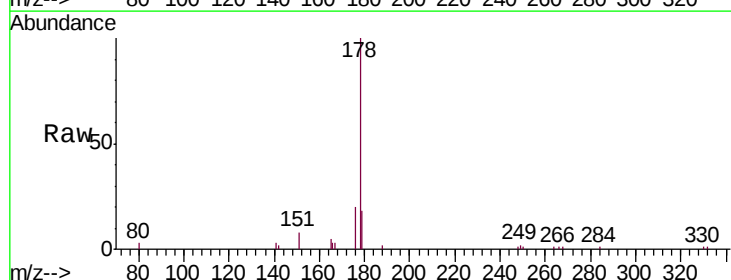
Tgt Ion:178 Resp: 8072

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

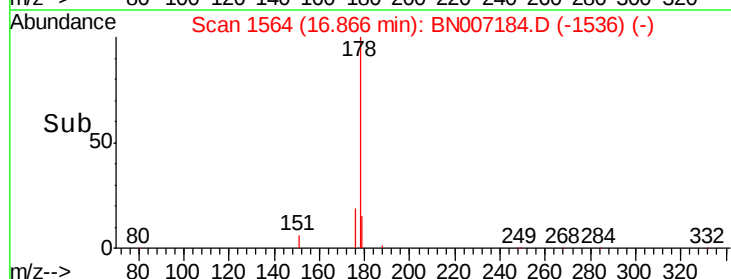
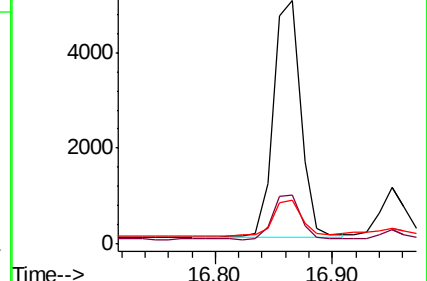
179 16.4 12.3 18.5

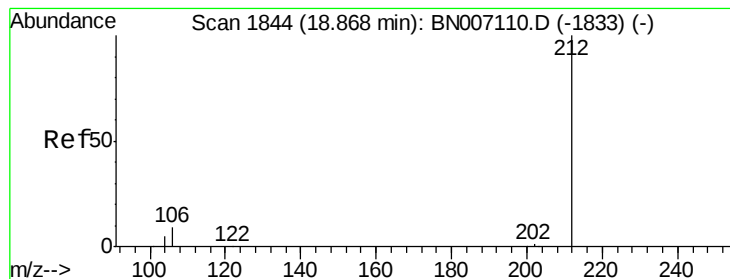


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene-d10

Concen: 0.063 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

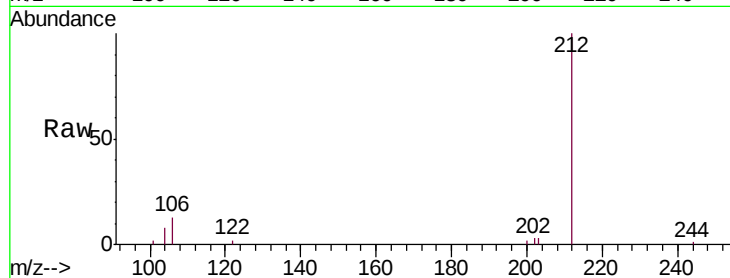
Instrument :

BNA_N

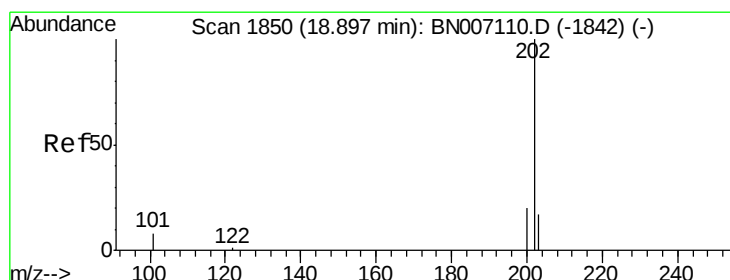
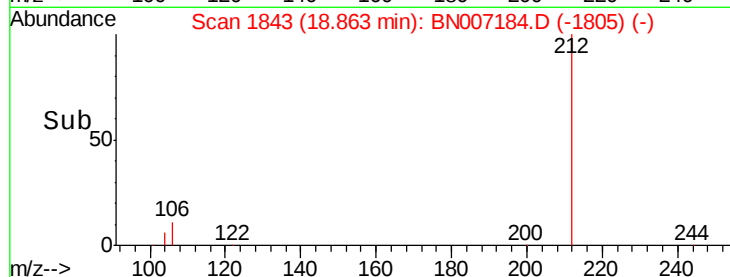
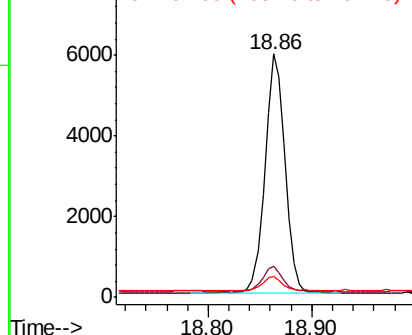
ClientSampleId :

PST-035-B240-080819

Tgt Ion:	212	Resp:	7901
Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	6.9	4.5	6.7#



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#25

Fluoranthene

Concen: 0.109 ng

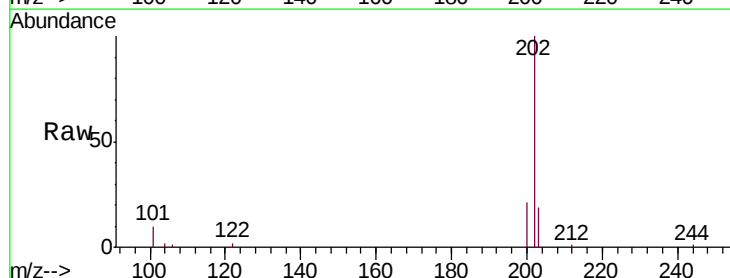
RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

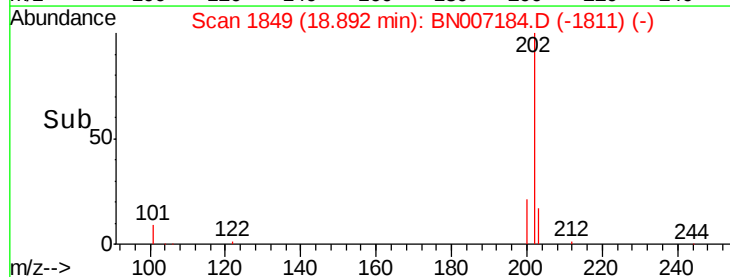
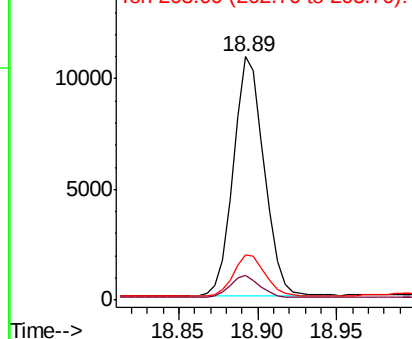
Lab File: BN007184.D

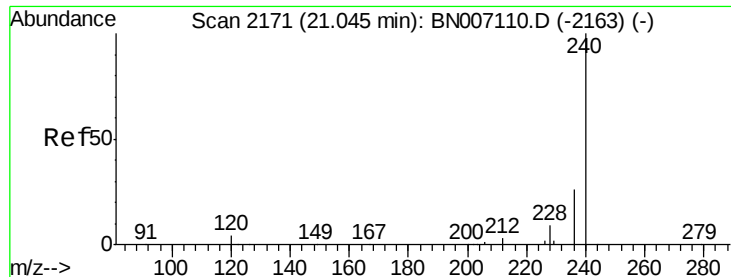
Acq: 15 Aug 2019 03:41

Tgt Ion:	202	Resp:	14703
Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.3	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





#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819

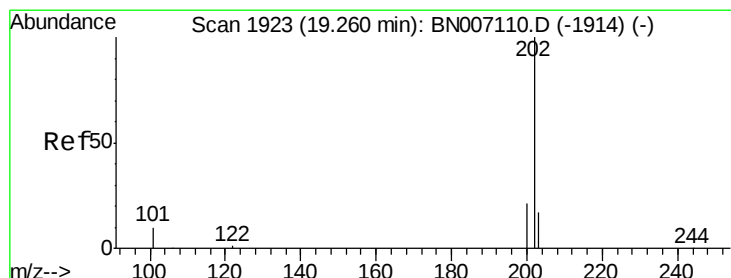
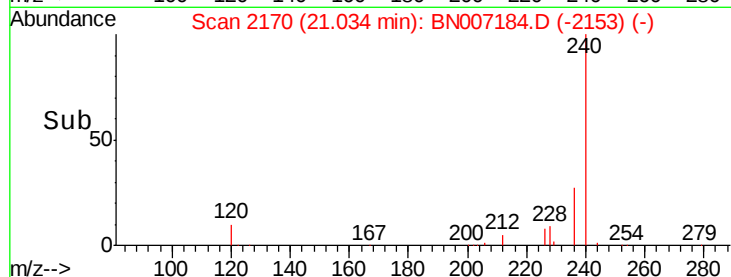
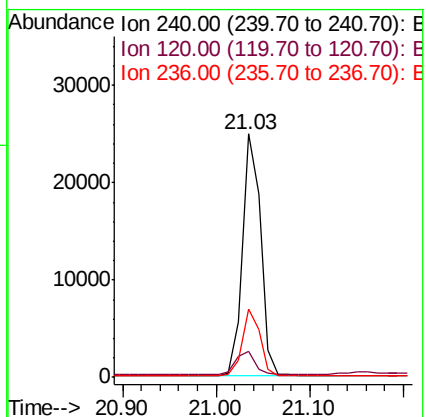
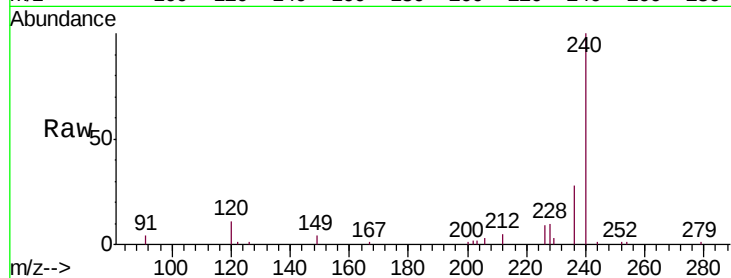
Tgt Ion:240 Resp: 33601

Ion Ratio Lower Upper

240 100

120 10.8 4.0 6.0#

236 27.9 21.3 31.9



#27

Pyrene

Concen: 0.113 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

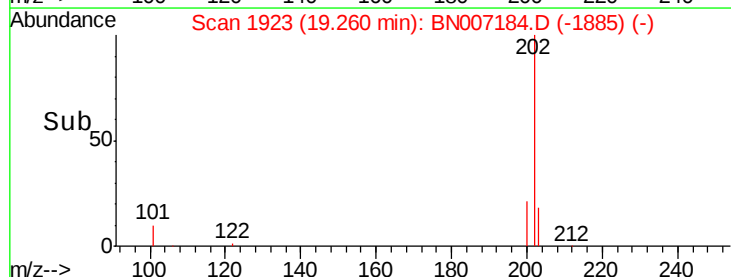
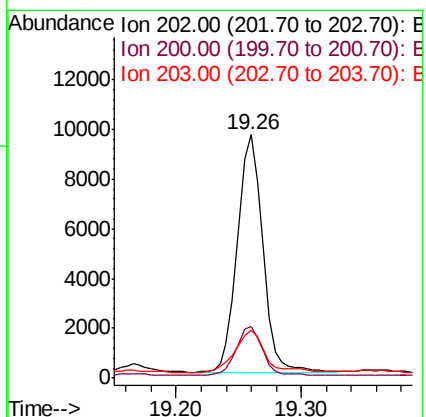
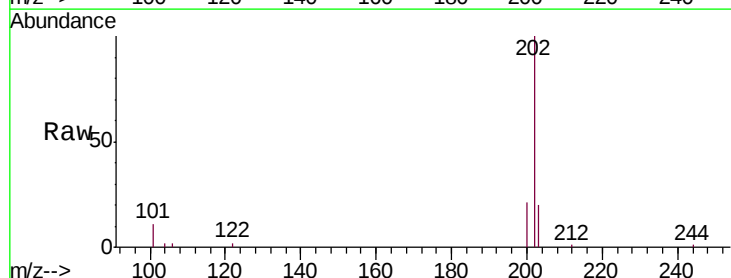
Tgt Ion:202 Resp: 13358

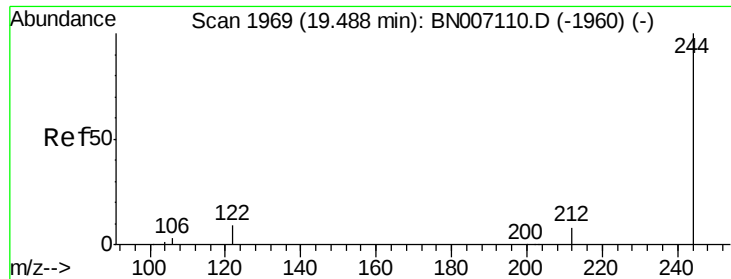
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 22.2 14.0 21.0#





#28

Terphenyl-d14

Concen: 0.066 ng

RT: 19.48 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819

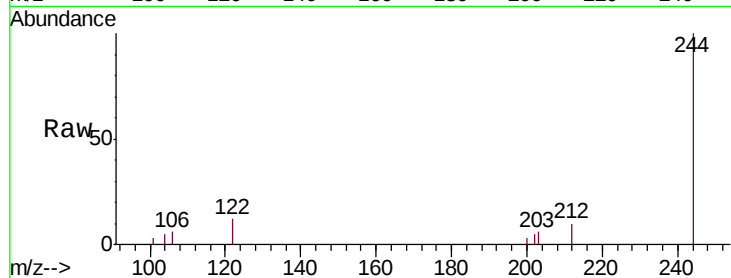
Tgt Ion:244 Resp: 6054

Ion Ratio Lower Upper

244 100

212 9.7 6.2 9.2#

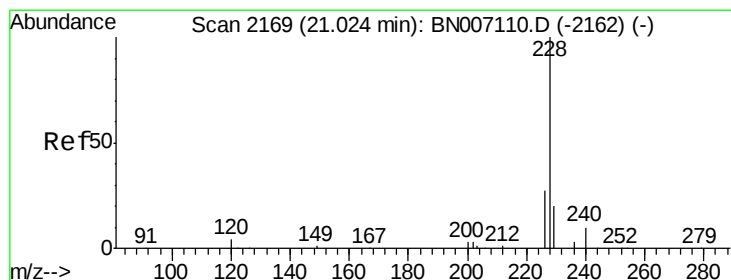
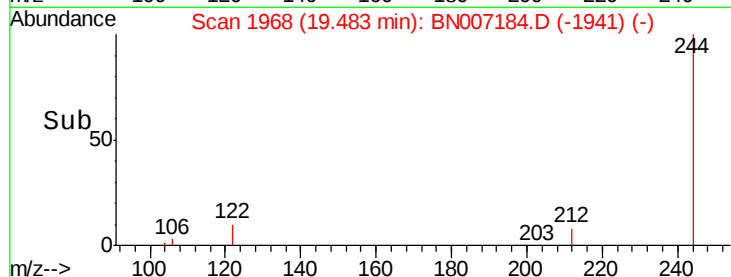
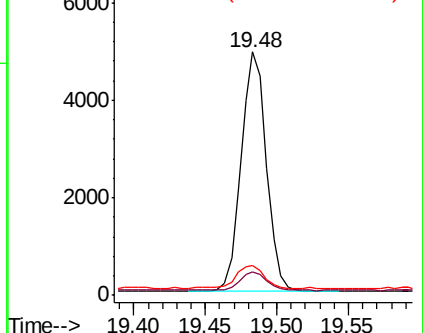
122 12.3 7.4 11.2#



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



#29

Benzo(a)anthracene

Concen: 0.071 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

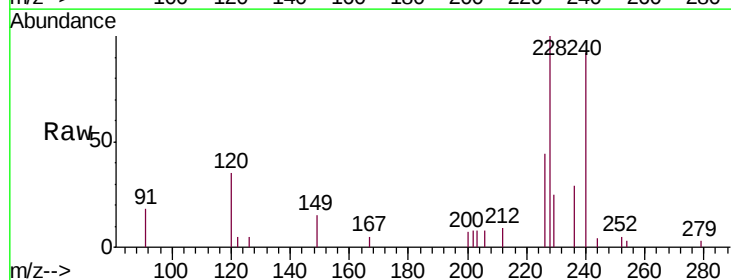
Tgt Ion:228 Resp: 8754

Ion Ratio Lower Upper

228 100

226 44.2 21.8 32.6#

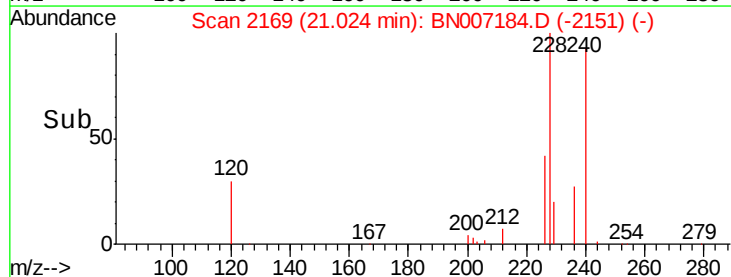
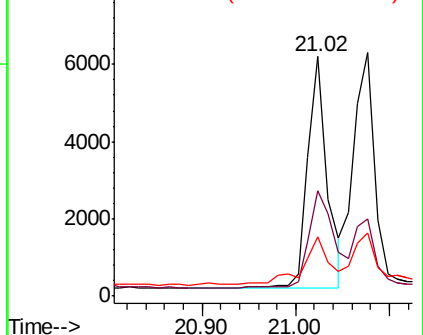
229 24.6 15.6 23.4#

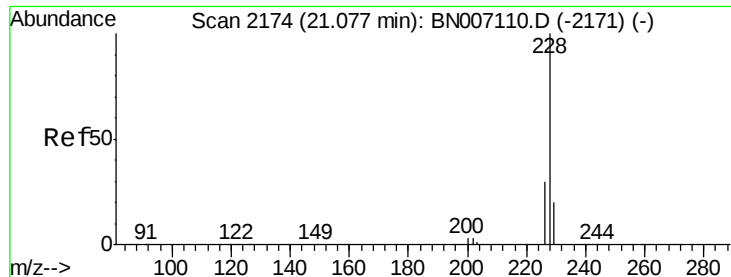


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Chrysene

Concen: 0.076 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819

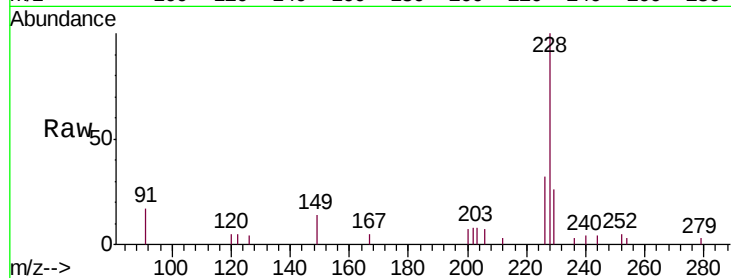
Tgt Ion:228 Resp: 9083

Ion Ratio Lower Upper

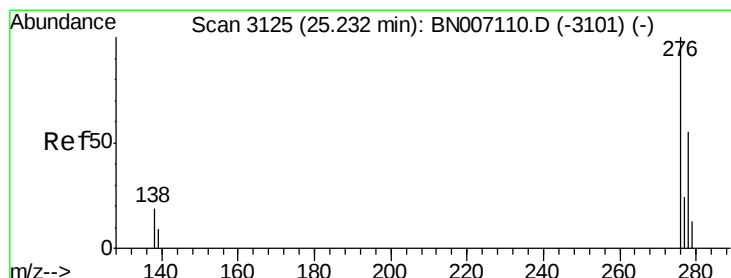
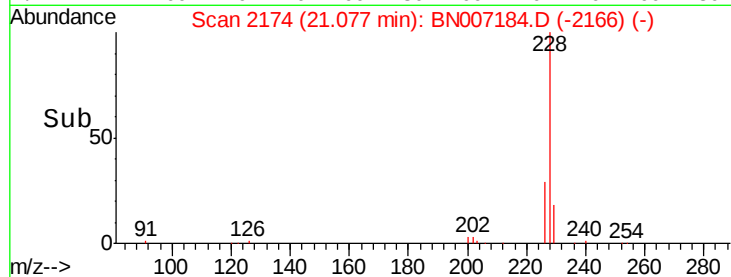
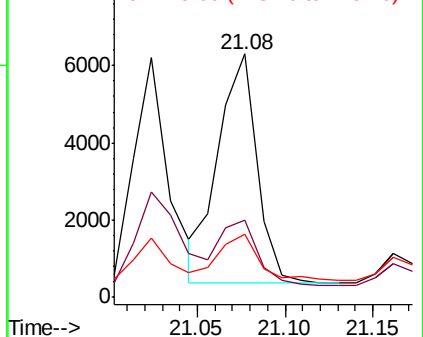
228 100

226 31.8 23.8 35.6

229 26.0 15.7 23.5#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.031 ng

RT: 25.22 min Scan# 3123

Delta R.T. -0.03 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

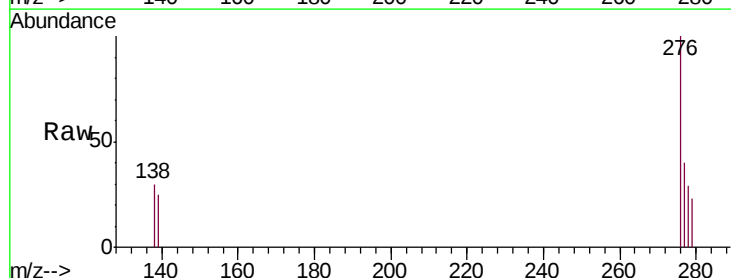
Tgt Ion:276 Resp: 4098

Ion Ratio Lower Upper

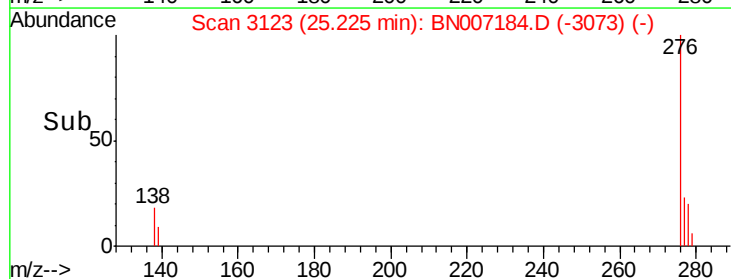
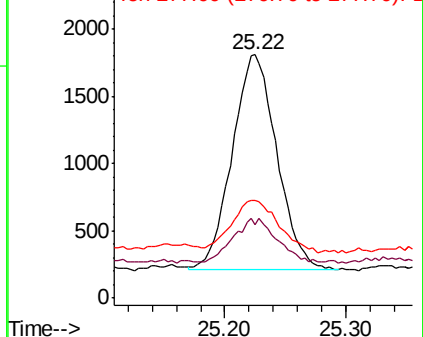
276 100

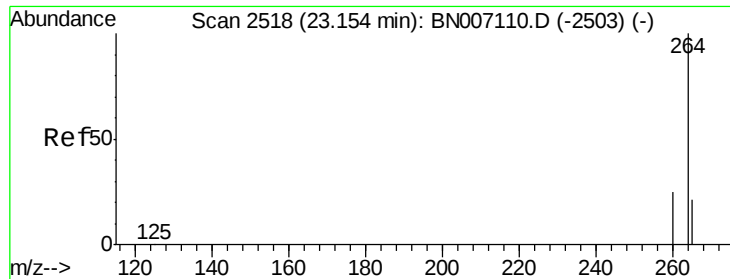
138 19.6 16.0 24.0

277 25.0 19.9 29.9



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

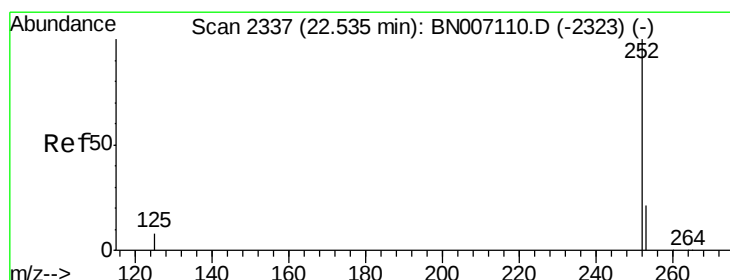
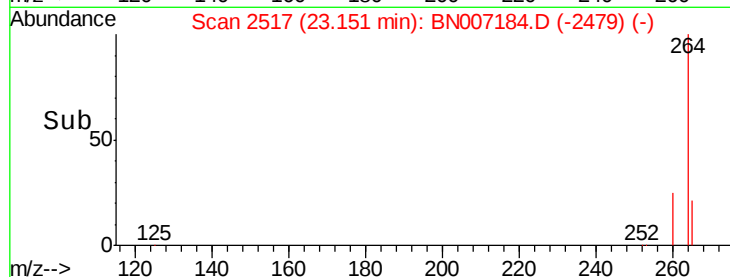
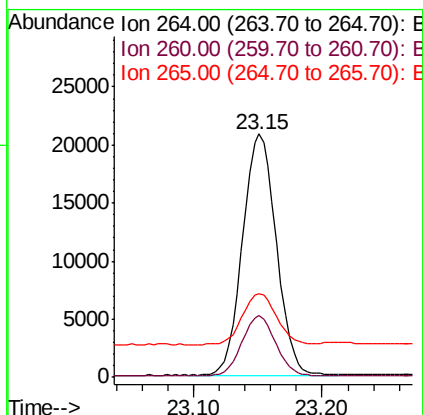
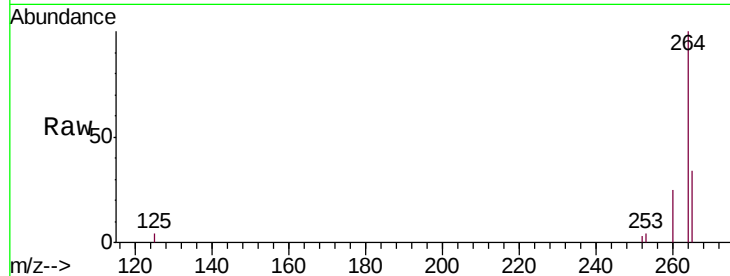




#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2517
 Delta R.T. -0.02 min
 Lab File: BN007184.D
 Acq: 15 Aug 2019 03:41

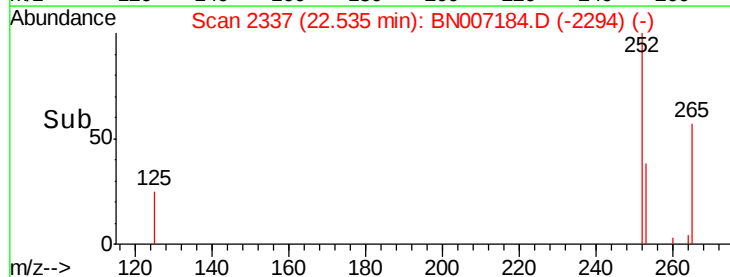
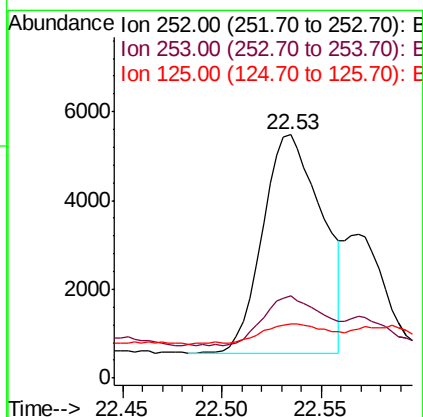
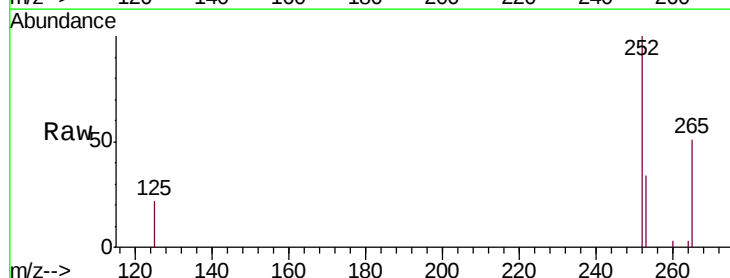
Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B240-080819

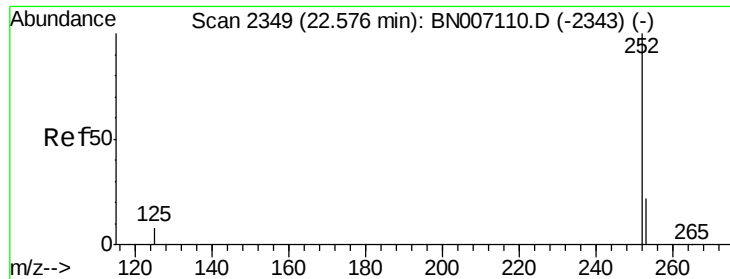
Tgt Ion: 264 Resp: 37833
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.8 29.8
 265 34.4 26.2 39.4



#33
 Benzo(b)fluoranthene
 Concen: 0.079 ng
 RT: 22.53 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: BN007184.D
 Acq: 15 Aug 2019 03:41

Tgt Ion: 252 Resp: 10234
 Ion Ratio Lower Upper
 252 100
 253 33.8 18.2 27.2#
 125 22.1 7.4 11.0#





#34

Benzo(k)fluoranthene

Concen: 0.035 ng m

RT: 22.57 min Scan# 2347

Delta R.T. -0.02 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819

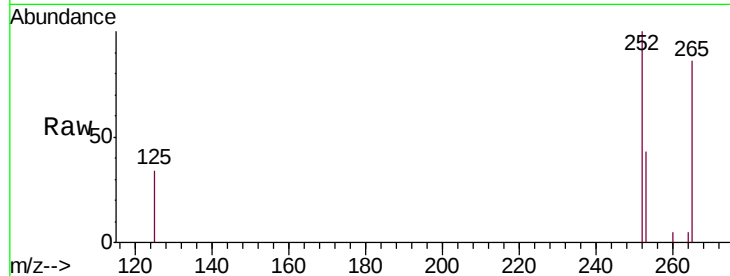
Tgt Ion:252 Resp: 4519

Ion Ratio Lower Upper

252 100

253 42.7 18.1 27.1#

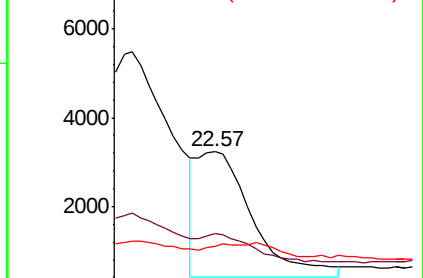
125 33.9 7.4 11.0#



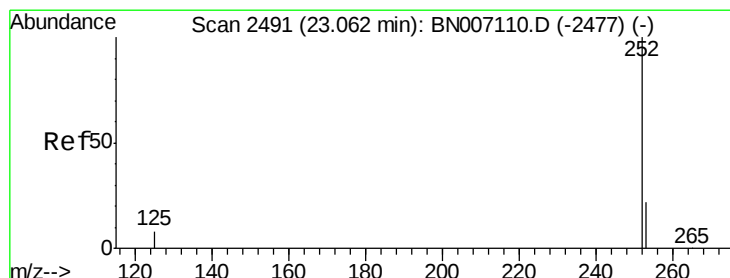
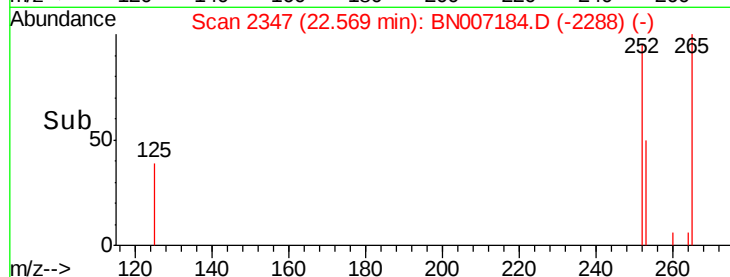
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#35

Benzo(a)pyrene

Concen: 0.055 ng

RT: 23.06 min Scan# 2490

Delta R.T. -0.02 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

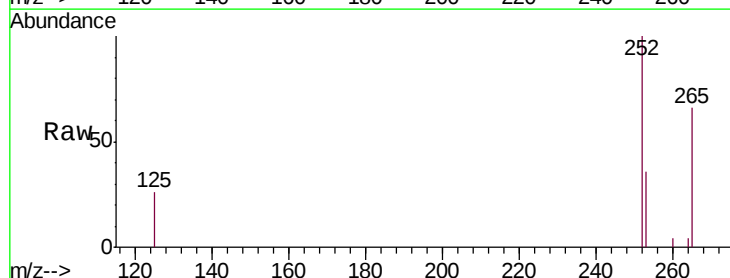
Tgt Ion:252 Resp: 6463

Ion Ratio Lower Upper

252 100

253 36.5 18.5 27.7#

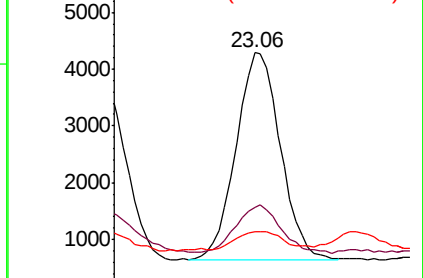
125 26.4 8.2 12.4#



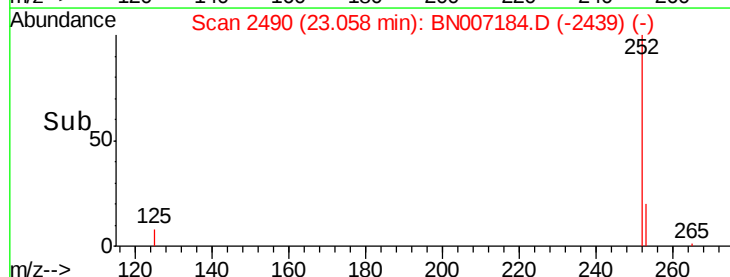
Abundance Ion 252.00 (251.70 to 252.70): E

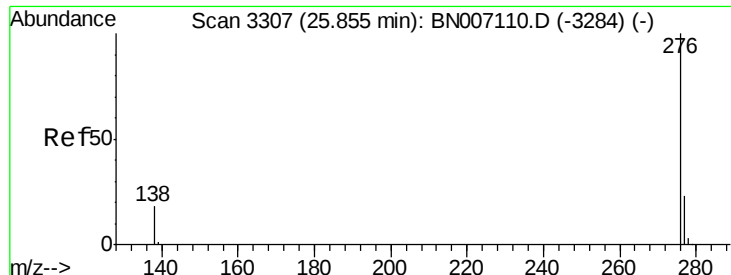
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#37

Benzo(g,h,i)perylene

Concen: 0.033 ng

RT: 25.85 min Scan# 3307

Delta R.T. -0.02 min

Lab File: BN007184.D

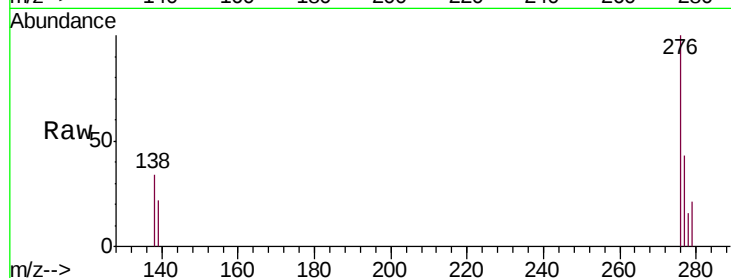
Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819



Tgt Ion: 276 Resp: 4032

Ion Ratio Lower Upper

276 100

277 42.8 19.8 29.8#

138 33.9 14.6 22.0#

