

Data File : BN007183.D
Acq On : 15 Aug 2019 03:05
Operator : HP/JU
Sample : K4282-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819-1

Quant Time: Aug 15 11:51:42 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	7860	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28868	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	15456	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	34778	0.40	ng	0.00
26) Chrysene-d12	21.03	240	34982	0.40	ng	-0.02
32) Perylene-d12	23.15	264	39736	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	4237	0.22	ng	0.00
4) Phenol-d6	6.61	99	5581	0.24	ng	0.00
7) Nitrobenzene-d5	8.55	82	4764	0.20	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	9001	0.17	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	258	0.03	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1362	0.06	ng	0.00
24) Fluoranthene-d10	18.86	212	16785	0.14	ng	0.00
28) Terphenyl-d14	19.48	244	11750	0.12	ng	-0.01

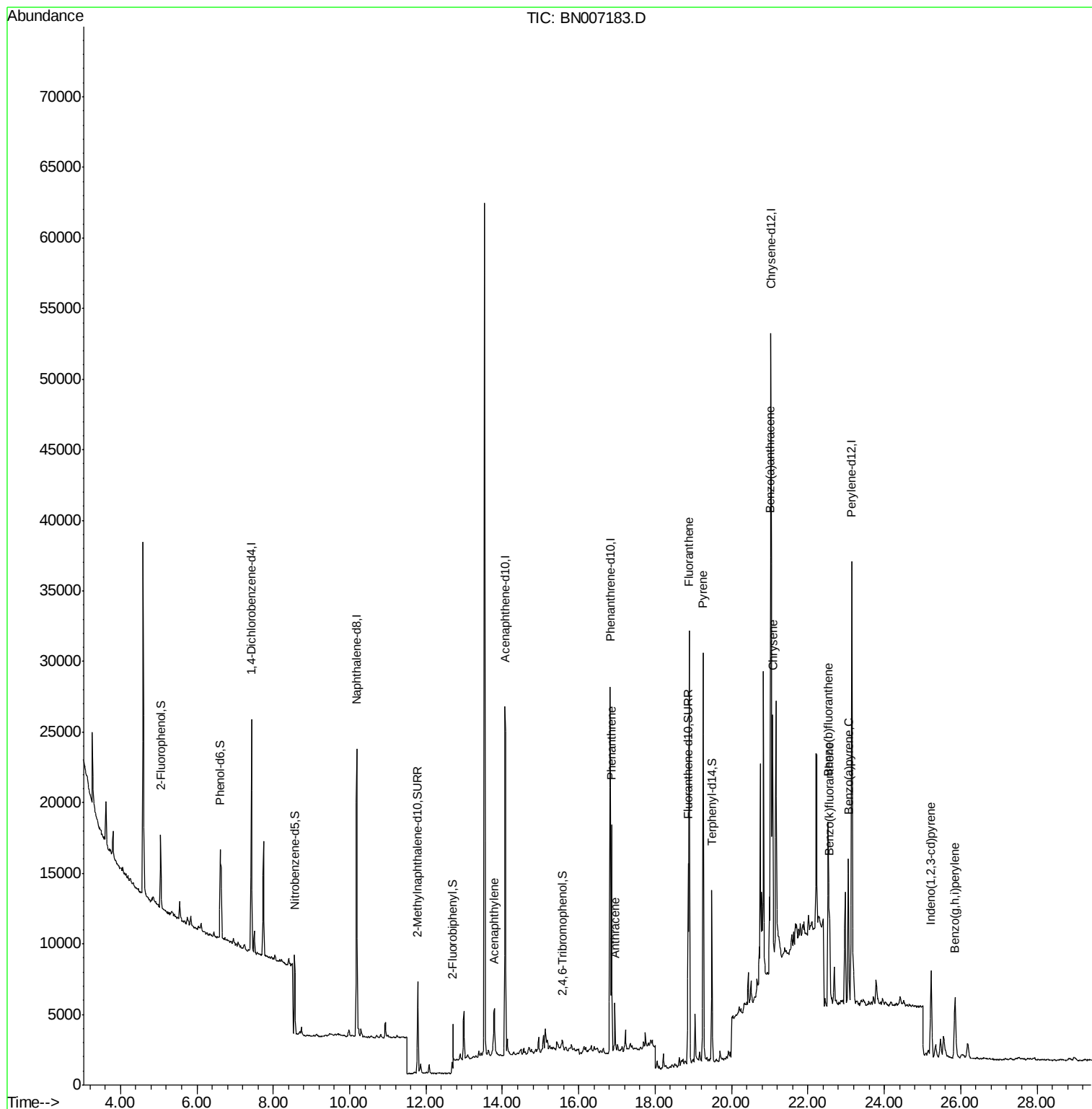
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.79	152	7570	0.094	ng	98
22) Phenanthrene	16.87	178	16893	0.162	ng	99
23) Anthracene	16.95	178	2457	0.026	ng	# 84
25) Fluoranthene	18.89	202	27986	0.210	ng	99
27) Pyrene	19.26	202	26383	0.215	ng	# 95
29) Benzo(a)anthracene	21.02	228	16236	0.127	ng	# 83
30) Chrysene	21.08	228	17286	0.139	ng	# 94
31) Indeno(1,2,3-cd)pyrene	25.23	276	8885	0.065	ng	100
33) Benzo(b)fluoranthene	22.53	252	20640	0.151	ng	# 86
34) Benzo(k)fluoranthene	22.57	252	7857m	0.058	ng	
35) Benzo(a)pyrene	23.06	252	13625	0.110	ng	# 82
37) Benzo(g,h,i)perylene	25.85	276	8672	0.068	ng	# 81

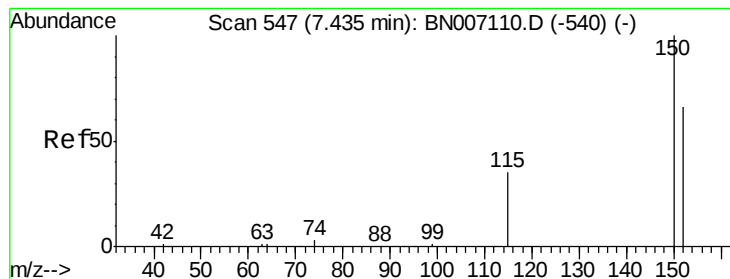
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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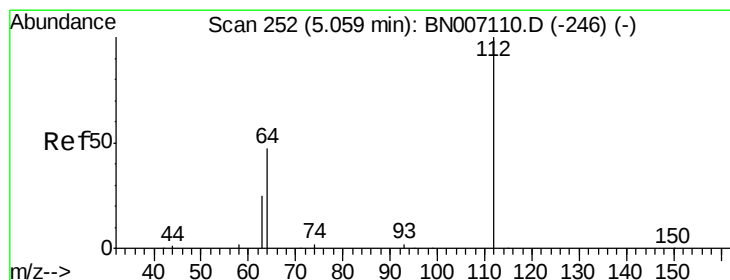
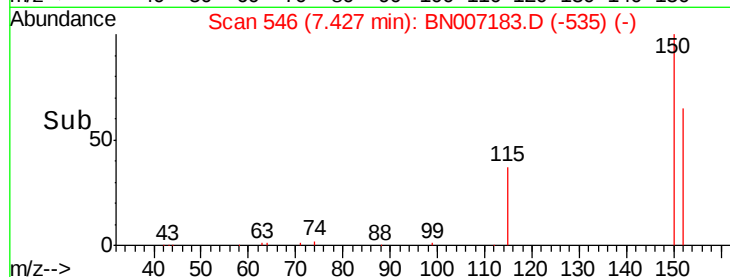
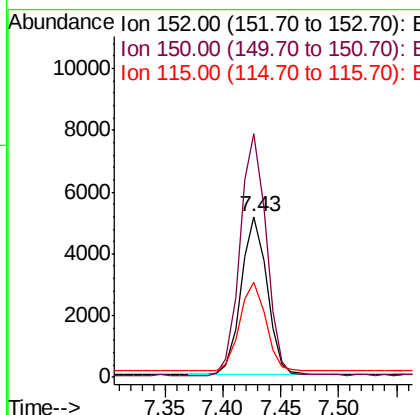
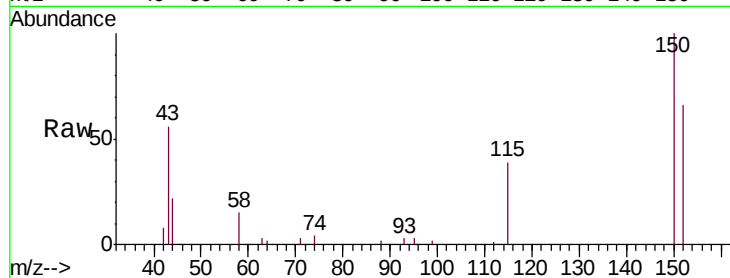




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.43 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BN007183.D
 Acq: 15 Aug 2019 03:05

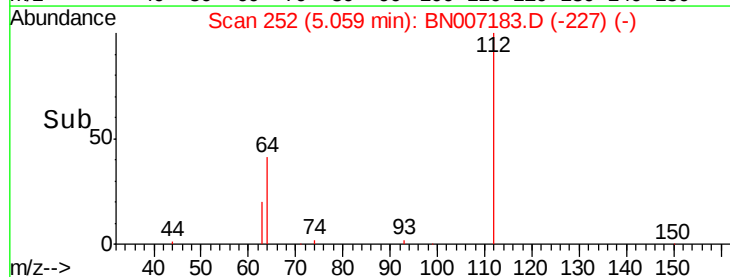
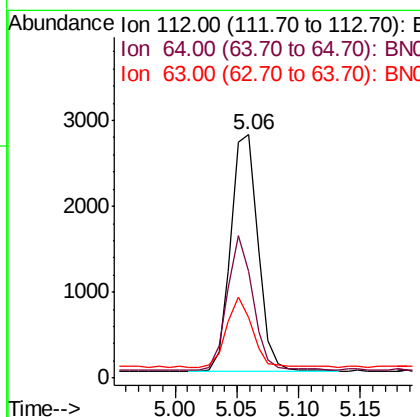
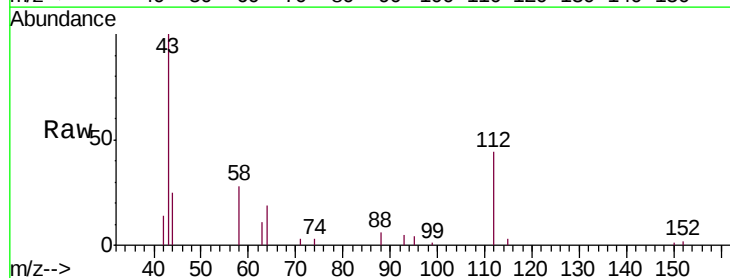
Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B240-080819-1

Tgt Ion:152 Resp: 7860
 Ion Ratio Lower Upper
 152 100
 150 151.7 121.7 182.5
 115 59.3 46.2 69.4



#3
 2-Fluorophenol
 Concen: 0.224 ng
 RT: 5.06 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: BN007183.D
 Acq: 15 Aug 2019 03:05

Tgt Ion:112 Resp: 4237
 Ion Ratio Lower Upper
 112 100
 64 53.4 42.6 63.8
 63 28.0 22.2 33.2





#4

Phenol-d6

Concen: 0.239 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819-1

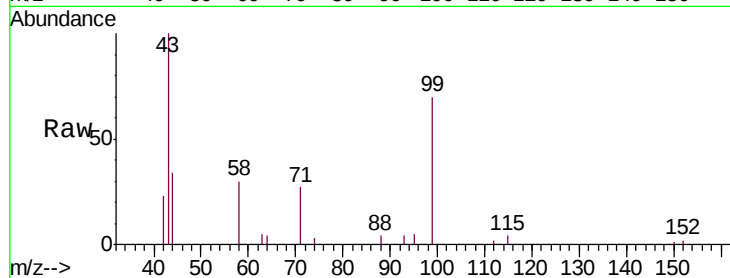
Tgt Ion: 99 Resp: 5581

Ion Ratio Lower Upper

99 100

42 22.2 15.8 23.6

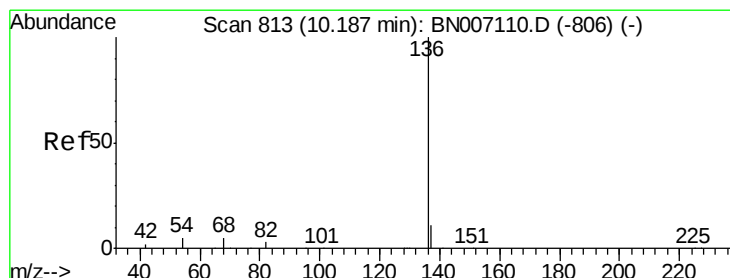
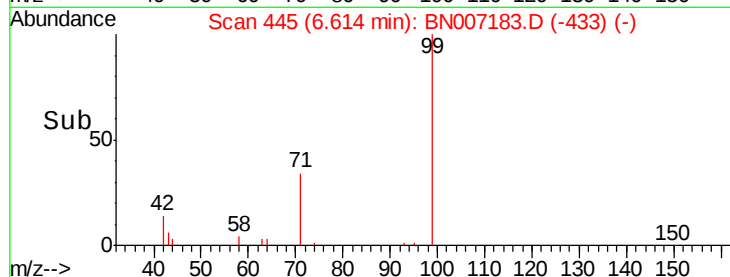
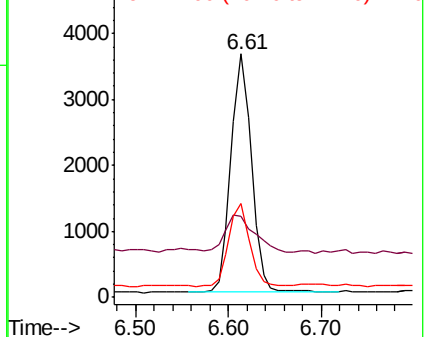
71 35.1 27.0 40.4



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: BN007183.D

Acq: 15 Aug 2019 03:05

Tgt Ion: 136 Resp: 28868

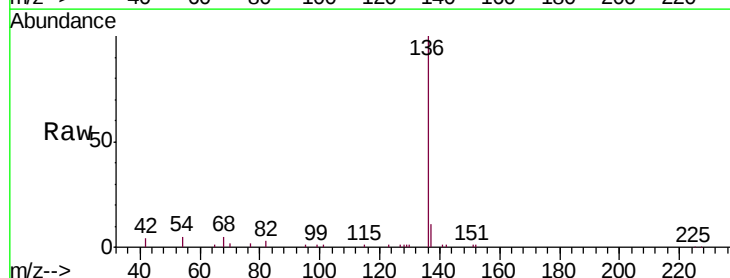
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 4.9 6.6 9.8#

68 4.8 6.0 9.0#

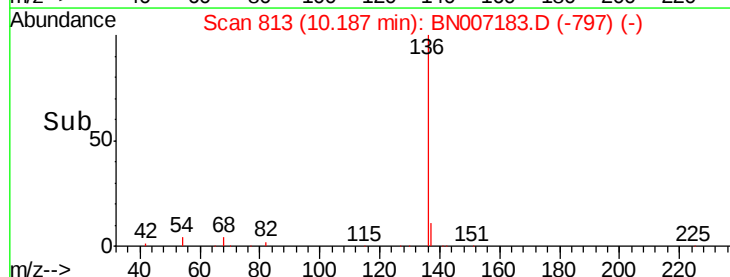
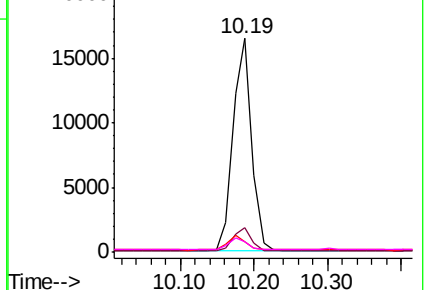


Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

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: 0.205 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819-1

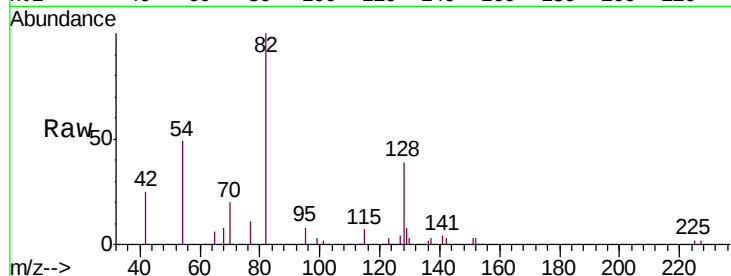
Tgt Ion: 82 Resp: 4764

Ion Ratio Lower Upper

82 100

128 38.9 34.6 51.8

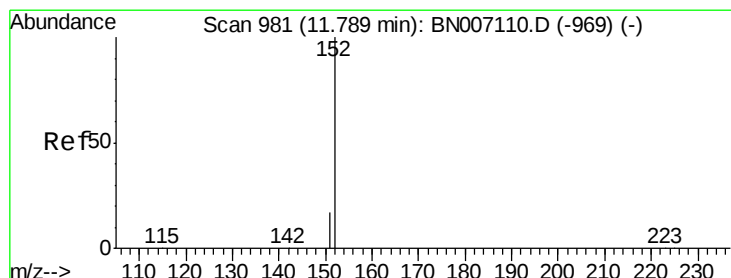
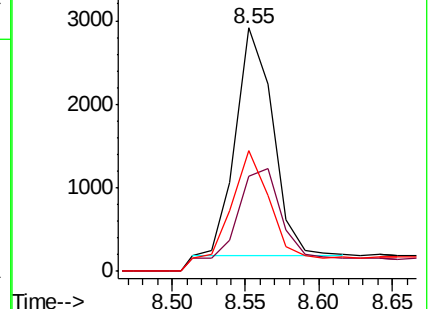
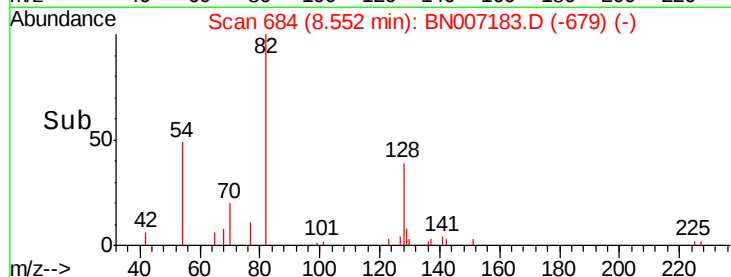
54 49.3 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BN007110.D (-681) (-)

Ion 128.00 (127.70 to 128.70): BN007110.D (-681) (-)

Ion 54.00 (53.70 to 54.70): BN007110.D (-681) (-)



#10

2-Methylnaphthalene-d10

Concen: 0.167 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007183.D

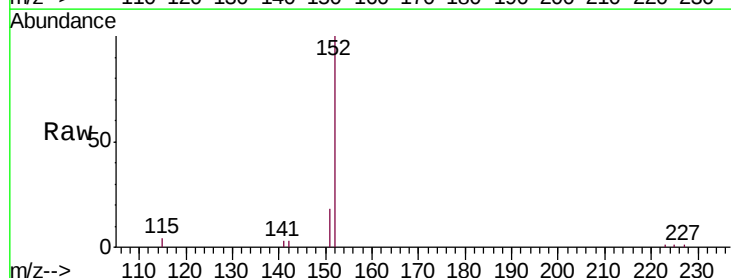
Acq: 15 Aug 2019 03:05

Tgt Ion: 152 Resp: 9001

Ion Ratio Lower Upper

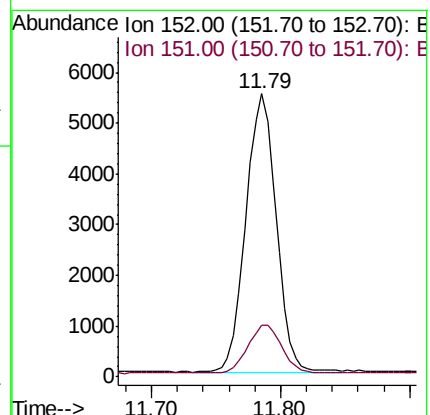
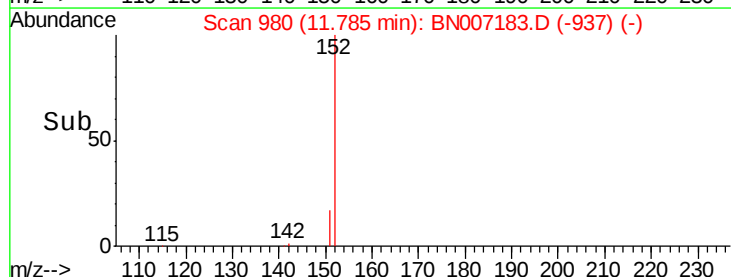
152 100

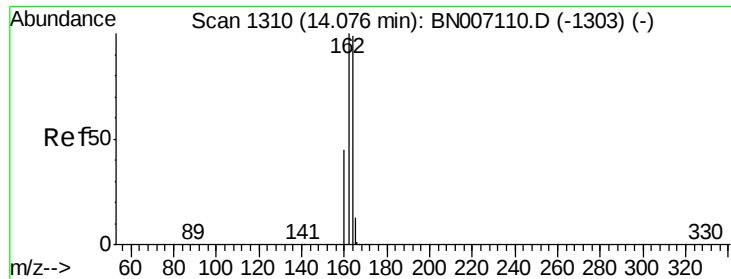
151 19.5 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN007110.D (-969) (-)

Ion 151.00 (150.70 to 151.70): BN007110.D (-969) (-)





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819-1

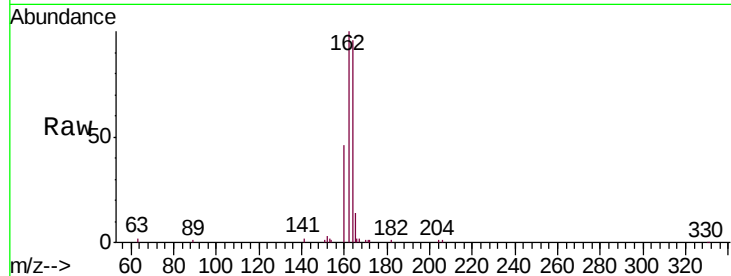
Tgt Ion:164 Resp: 15456

Ion Ratio Lower Upper

164 100

162 103.7 82.2 123.4

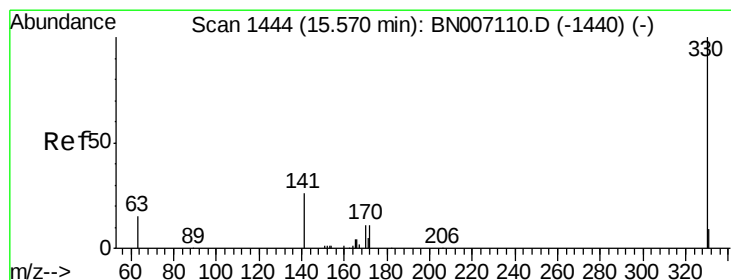
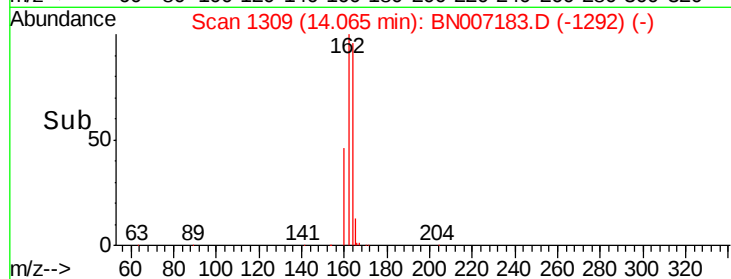
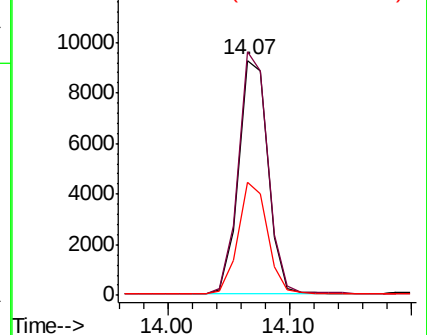
160 48.2 38.3 57.5



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: 0.031 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

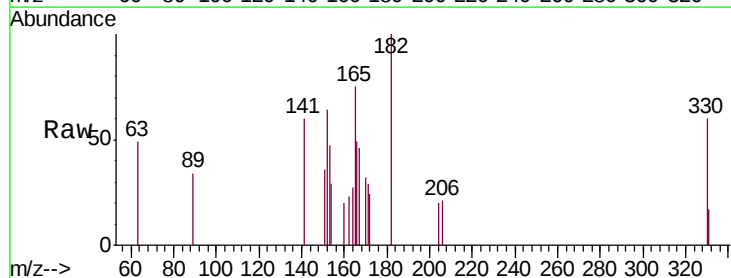
Tgt Ion:330 Resp: 258

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

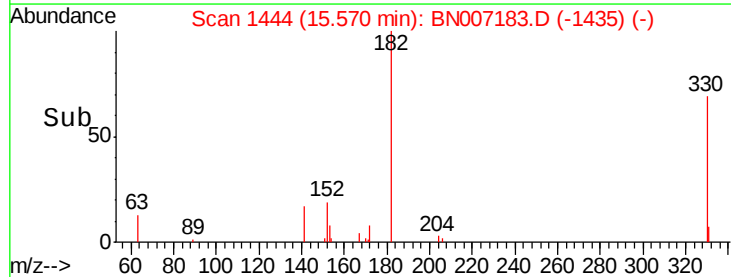
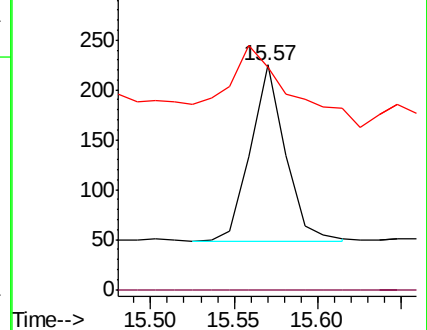
141 41.1 33.6 50.4

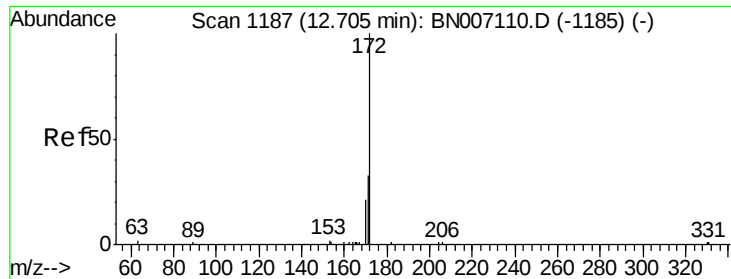


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

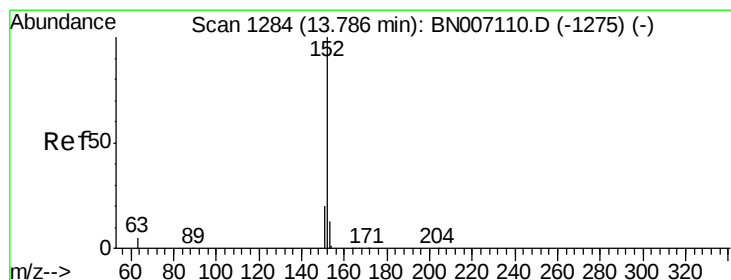
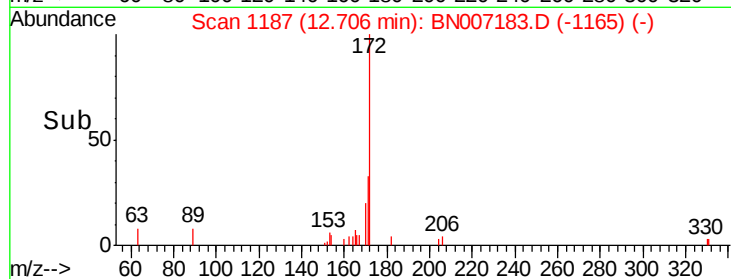
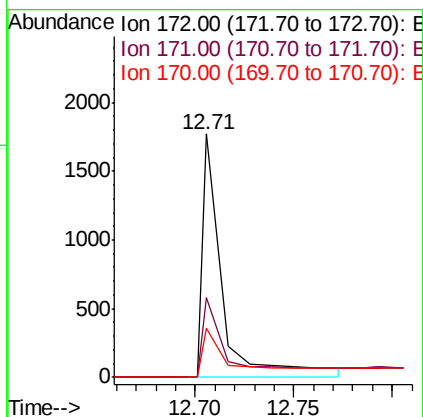
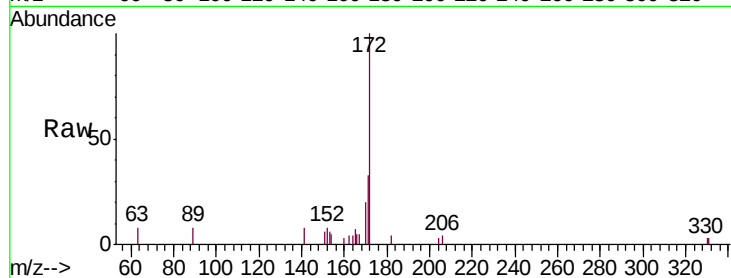




#14
2-Fluorobiphenyl
Concen: 0.061 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

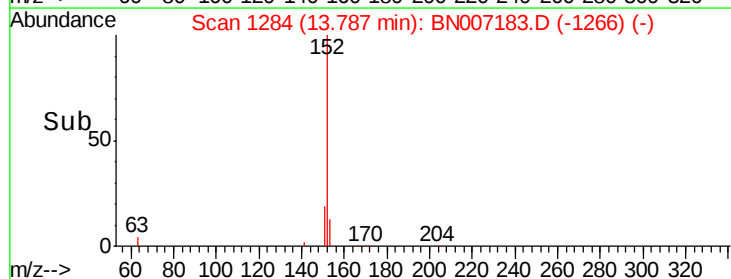
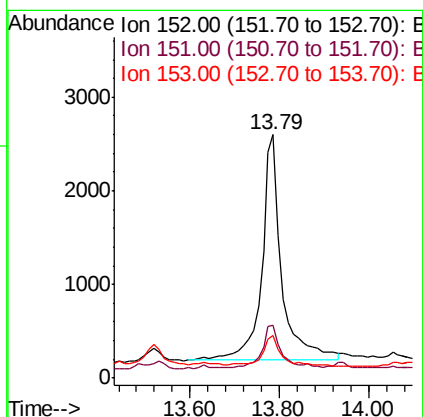
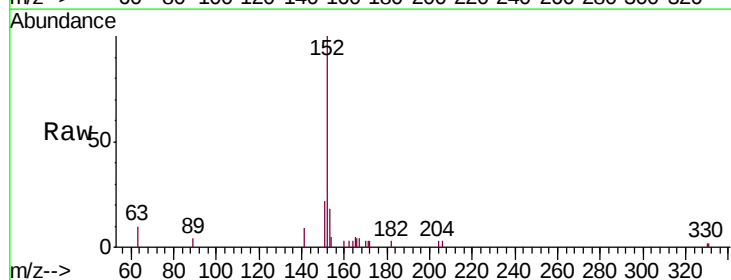
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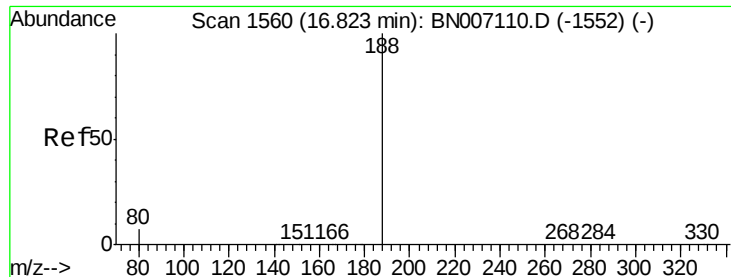
Tgt Ion:172 Resp: 1362
Ion Ratio Lower Upper
172 100
171 33.0 26.3 39.5
170 20.2 17.0 25.4



#15
Acenaphthylene
Concen: 0.094 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

Tgt Ion:152 Resp: 7570
Ion Ratio Lower Upper
152 100
151 18.6 15.8 23.6
153 12.3 10.4 15.6

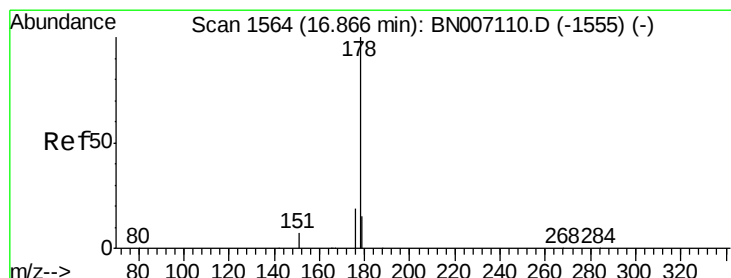
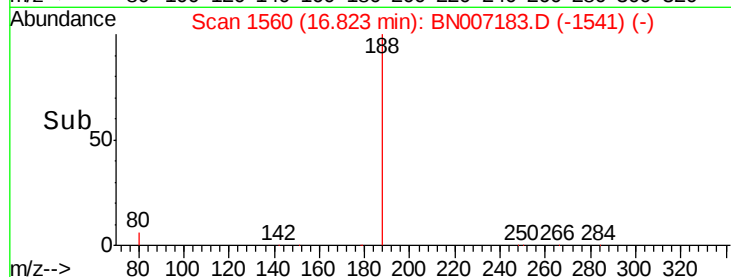
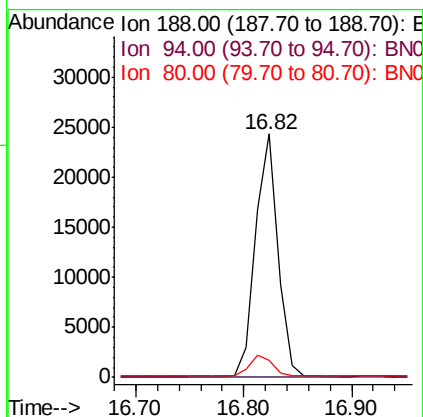
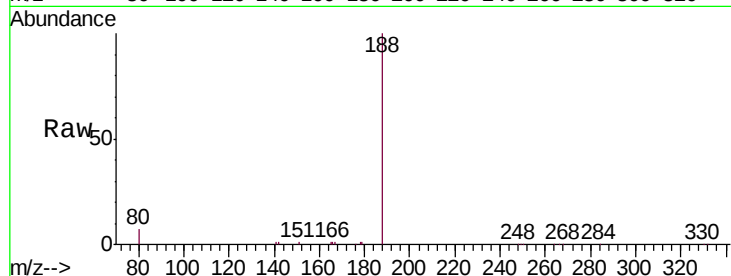




#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

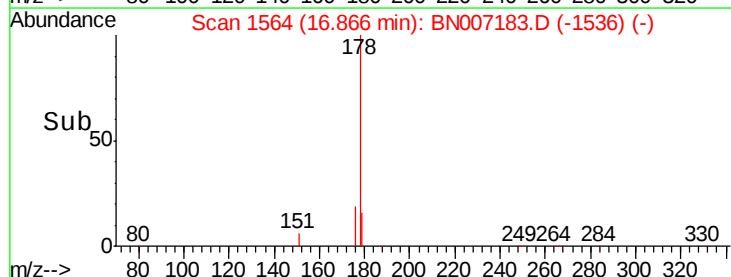
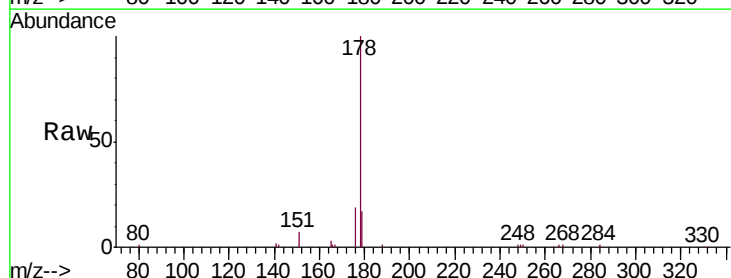
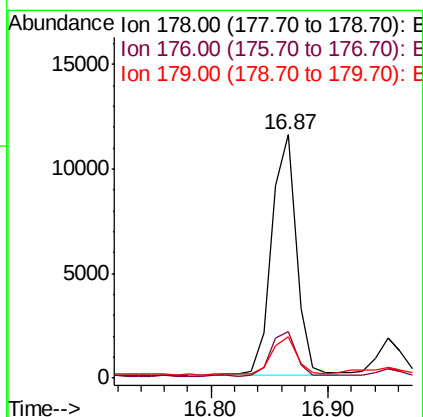
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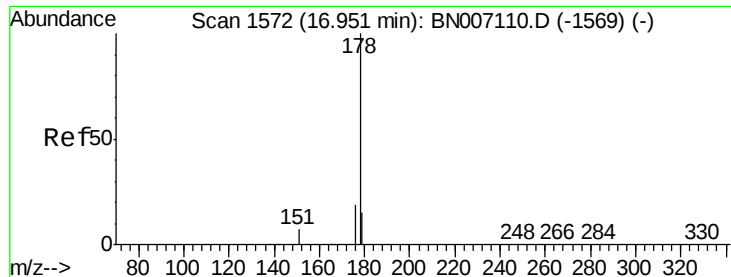
Tgt Ion:188 Resp: 34778
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.0 7.8 11.6#



#22
Phenanthrene
Concen: 0.162 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

Tgt Ion:178 Resp: 16893
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 16.3 12.3 18.5





#23

Anthracene

Concen: 0.026 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819-1

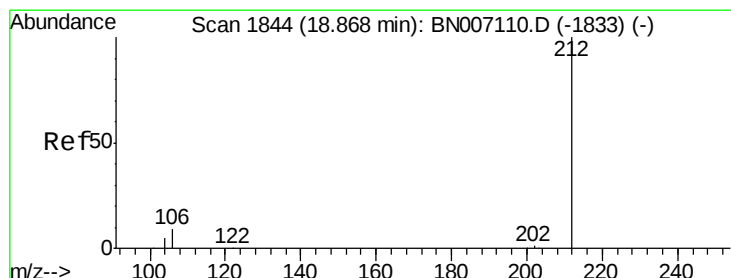
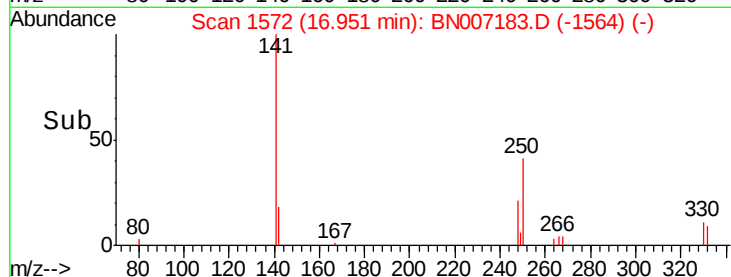
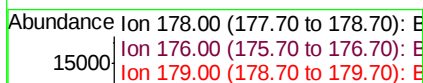
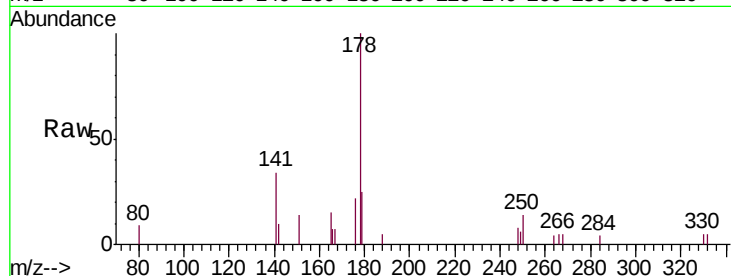
Tgt Ion:178 Resp: 2457

Ion Ratio Lower Upper

178 100

176 19.5 14.6 21.8

179 28.5 12.5 18.7#



#24

Fluoranthene-d10

Concen: 0.136 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

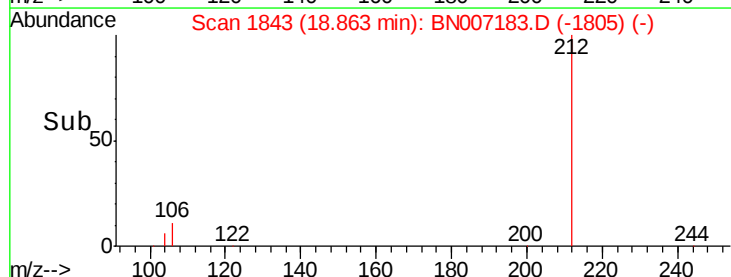
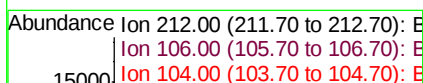
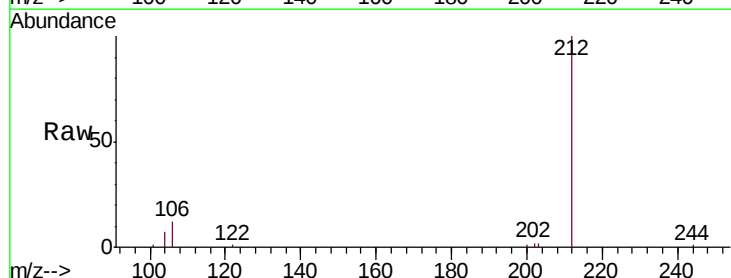
Tgt Ion:212 Resp: 16785

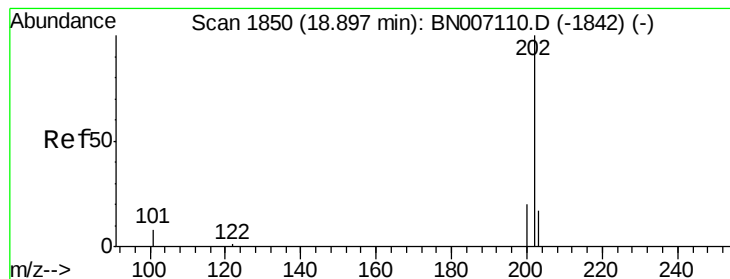
Ion Ratio Lower Upper

212 100

106 10.9 8.2 12.2

104 6.0 4.5 6.7





#25

Fluoranthene

Concen: 0.210 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819-1

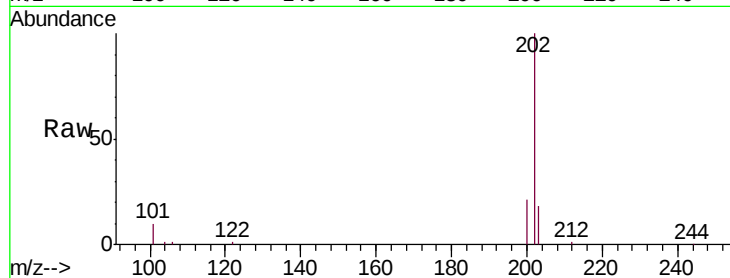
Tgt Ion:202 Resp: 27986

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.4

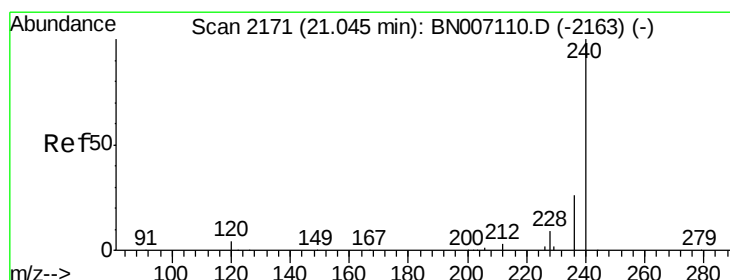
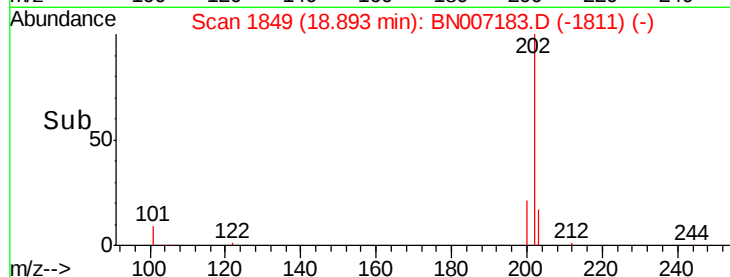
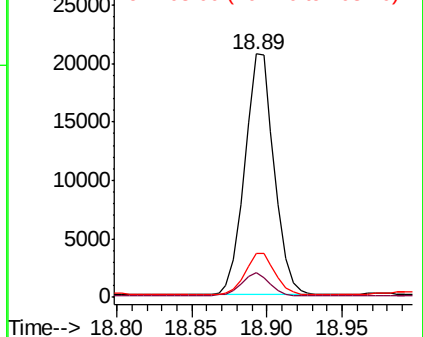
203 17.6 13.8 20.8



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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

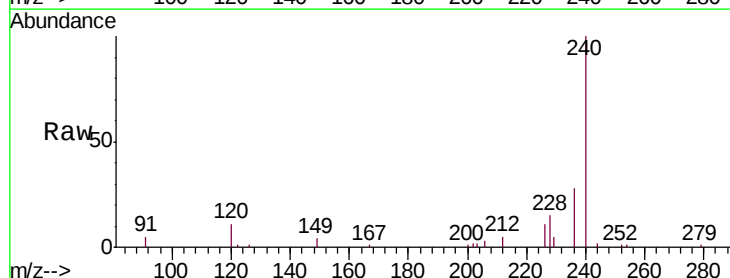
Tgt Ion:240 Resp: 34982

Ion Ratio Lower Upper

240 100

120 10.6 4.0 6.0#

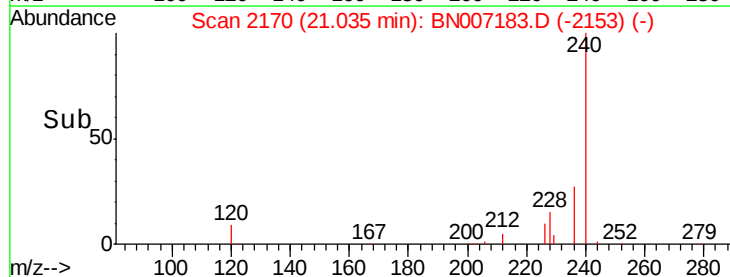
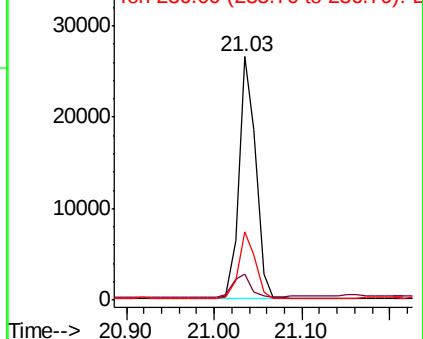
236 27.8 21.3 31.9

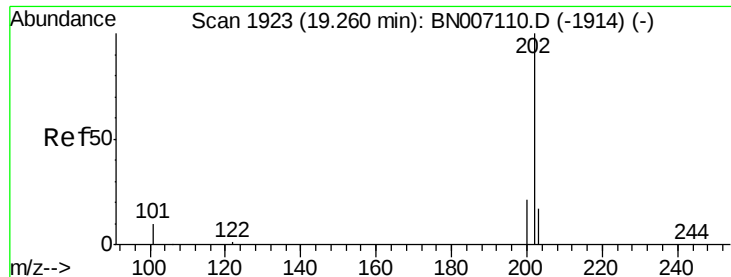


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

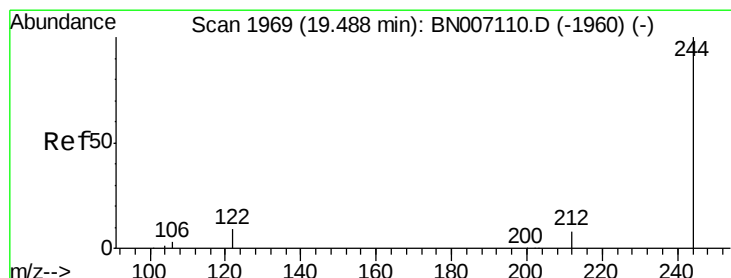
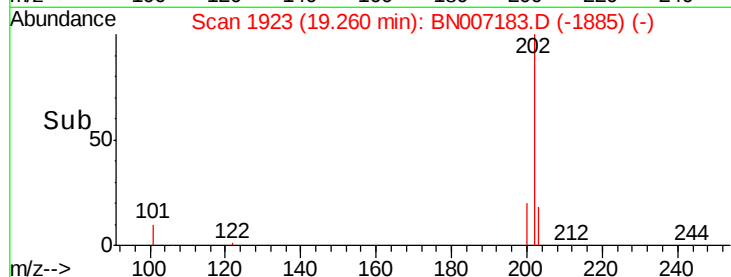
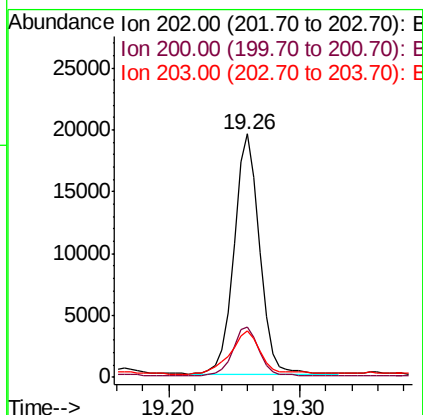
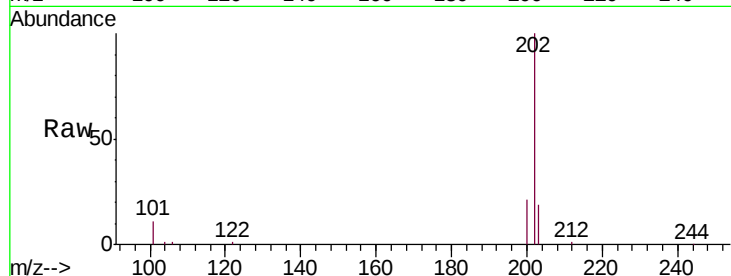




#27
 Pyrene
 Concen: 0.215 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007183.D
 Acq: 15 Aug 2019 03:05

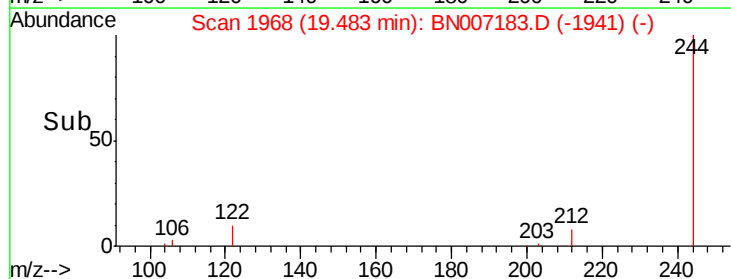
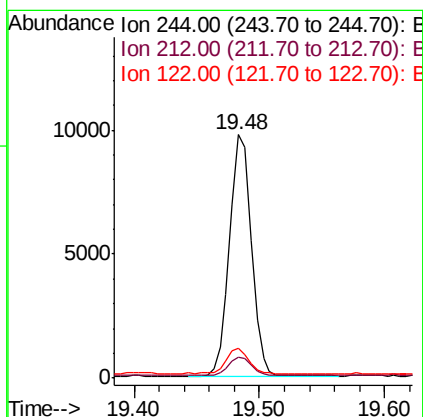
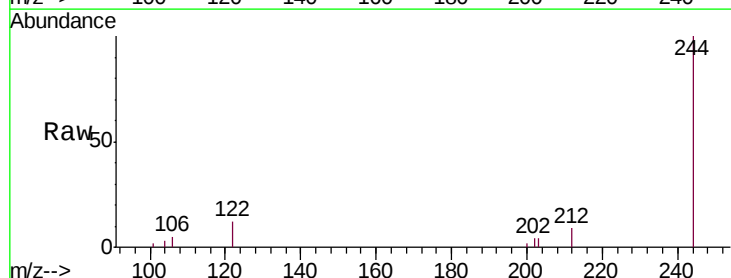
Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B240-080819-1

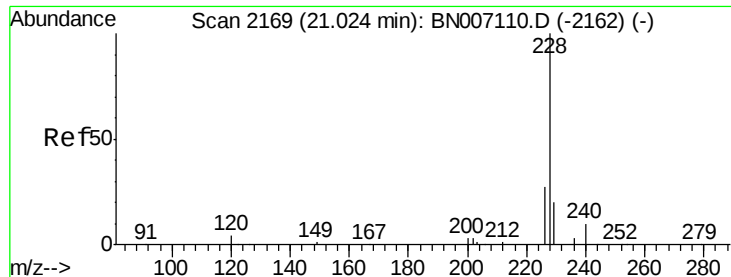
Tgt Ion:202 Resp: 26383
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 24.8
 203 21.9 14.0 21.0#



#28
 Terphenyl-d14
 Concen: 0.123 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BN007183.D
 Acq: 15 Aug 2019 03:05

Tgt Ion:244 Resp: 11750
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.2 9.2
 122 12.2 7.4 11.2#





#29

Benzo(a)anthracene

Concen: 0.127 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819-1

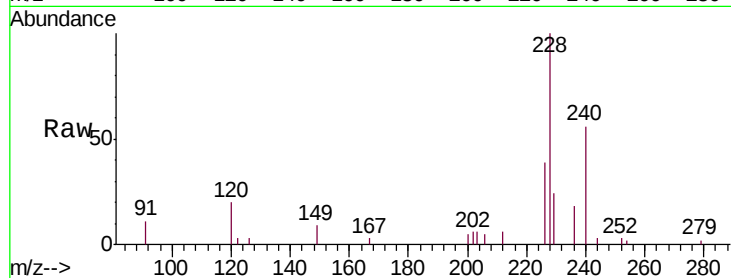
Tgt Ion:228 Resp: 16236

Ion Ratio Lower Upper

228 100

226 38.8 21.8 32.6#

229 23.5 15.6 23.4#

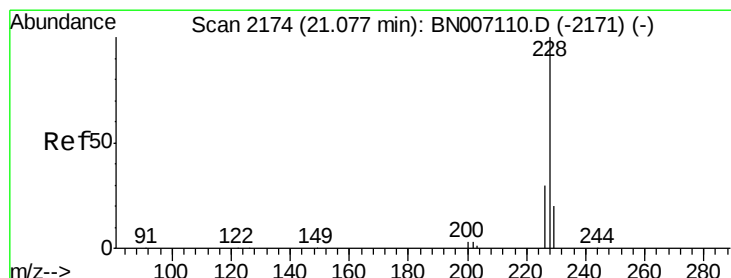
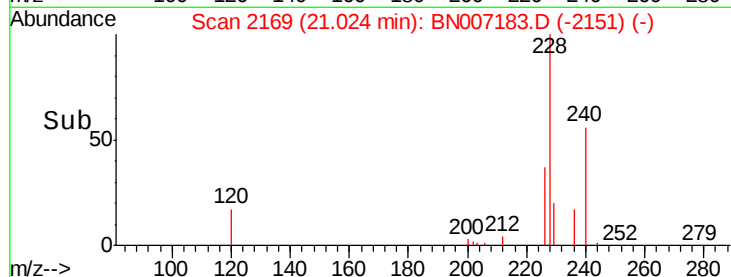
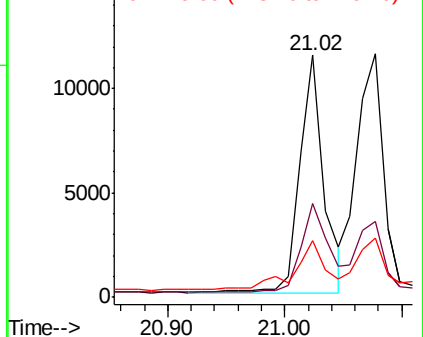


Abundance

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: 0.139 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

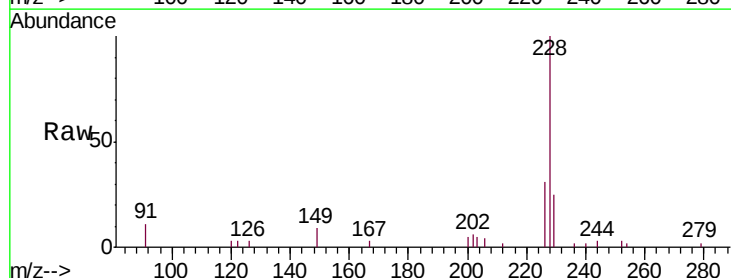
Tgt Ion:228 Resp: 17286

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.6

229 24.5 15.7 23.5#

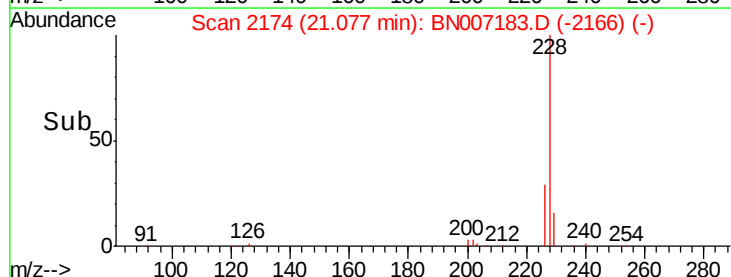
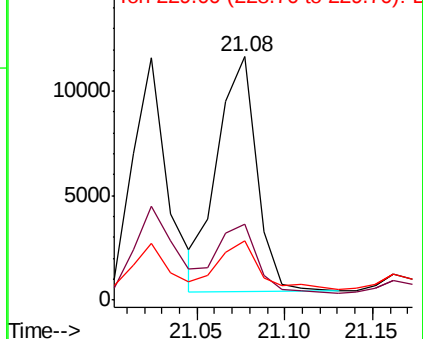


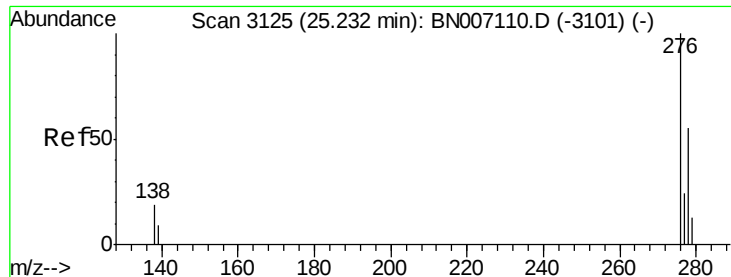
Abundance

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: 0.065 ng

RT: 25.23 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819-1

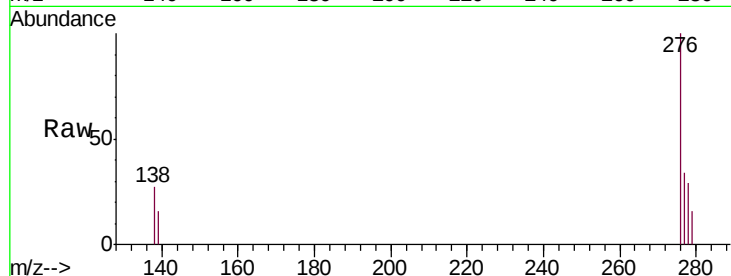
Tgt Ion:276 Resp: 8885

Ion Ratio Lower Upper

276 100

138 20.1 16.0 24.0

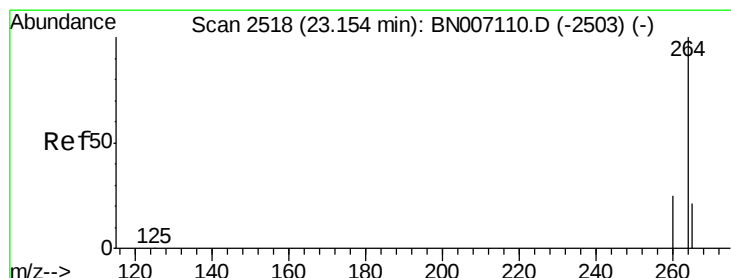
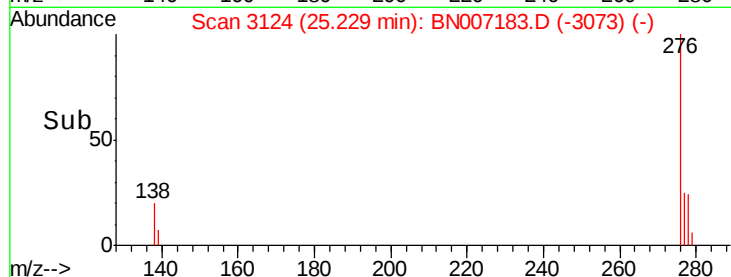
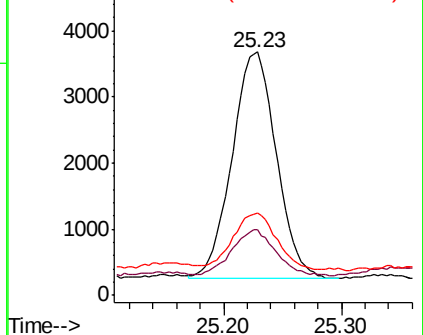
277 24.9 19.9 29.9



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: BN007183.D

Acq: 15 Aug 2019 03:05

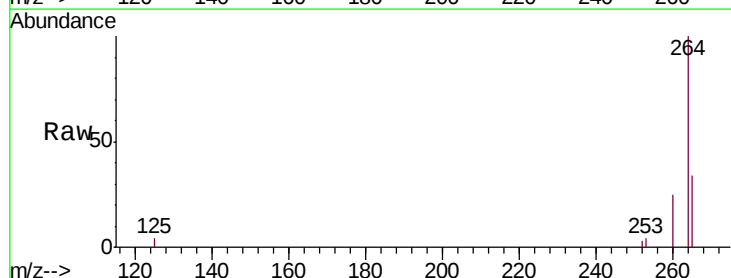
Tgt Ion:264 Resp: 39736

Ion Ratio Lower Upper

264 100

260 25.0 19.8 29.8

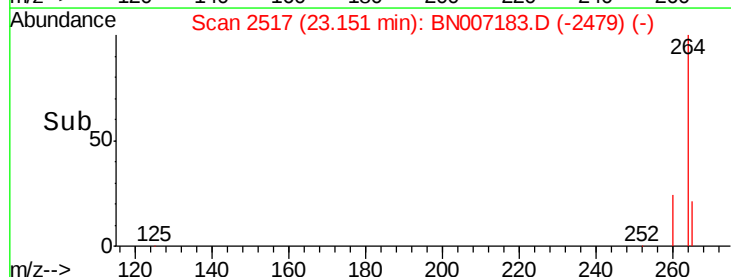
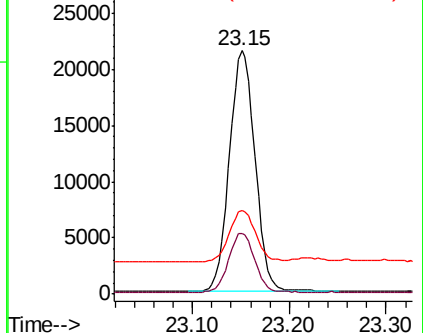
265 34.4 26.2 39.4

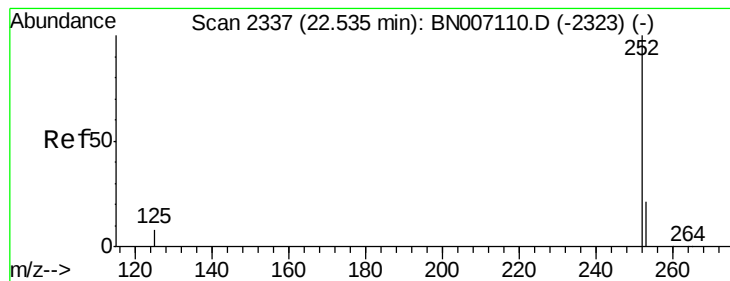


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.151 ng

RT: 22.53 min Scan# 2336

Delta R.T. -0.02 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819-1

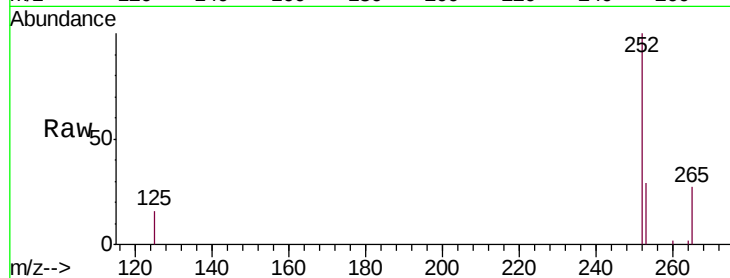
Tgt Ion:252 Resp: 20640

Ion Ratio Lower Upper

252 100

253 28.6 18.2 27.2#

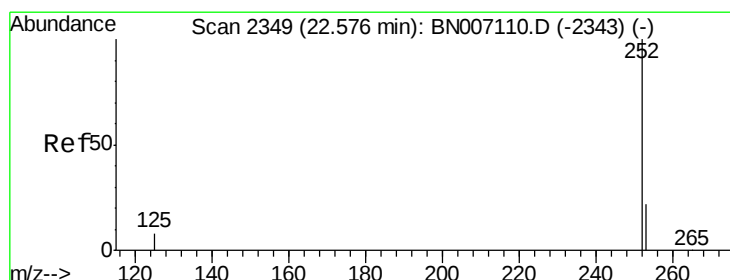
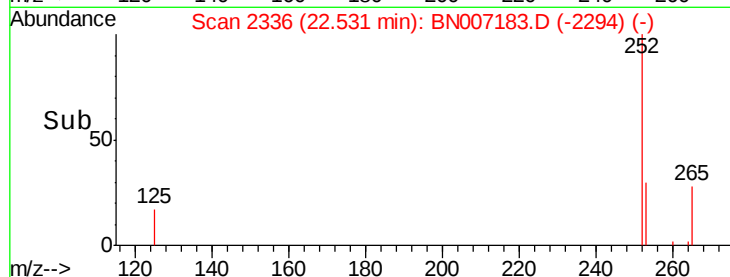
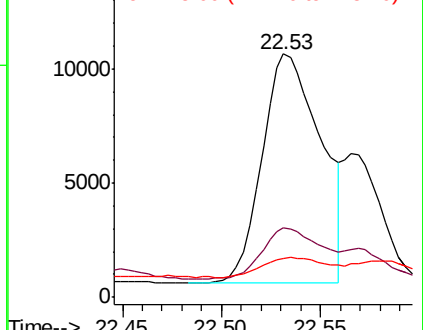
125 16.0 7.4 11.0#



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



#34

Benzo(k)fluoranthene

Concen: 0.058 ng m

RT: 22.57 min Scan# 2346

Delta R.T. -0.02 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

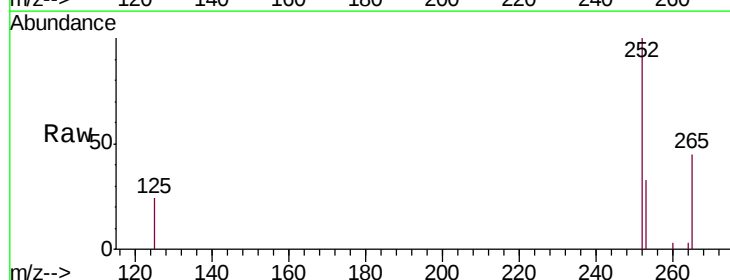
Tgt Ion:252 Resp: 7857

Ion Ratio Lower Upper

252 100

253 33.2 18.1 27.1#

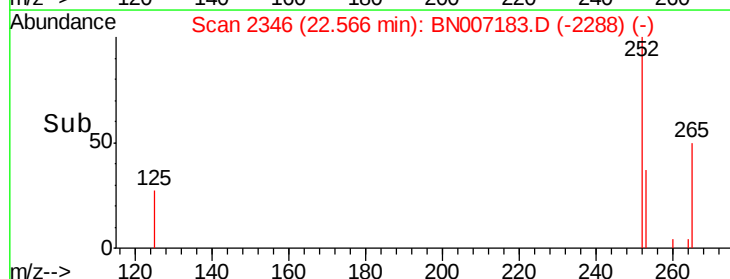
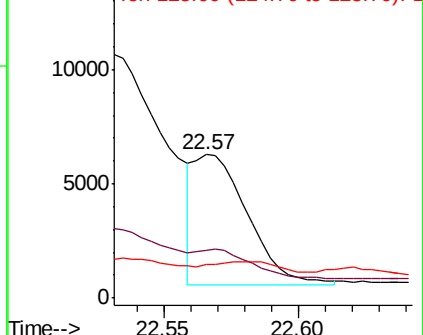
125 23.8 7.4 11.0#

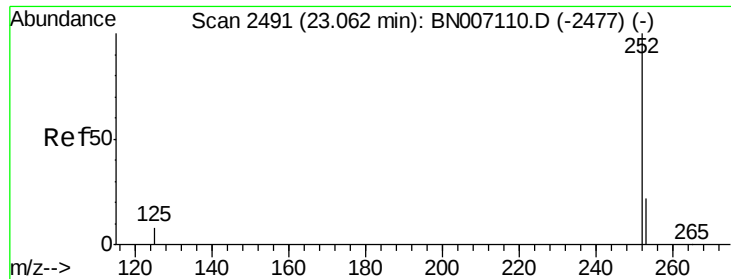


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.110 ng

RT: 23.06 min Scan# 2490

Delta R.T. -0.02 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

PST-035-B240-080819-1

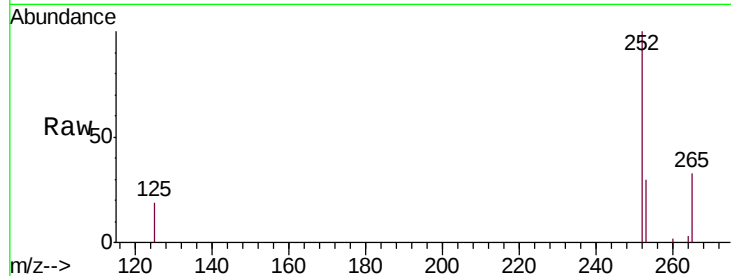
Tgt Ion: 252 Resp: 13625

Ion Ratio Lower Upper

252 100

253 30.2 18.5 27.7#

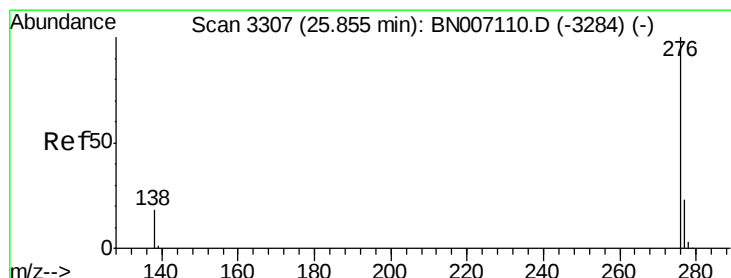
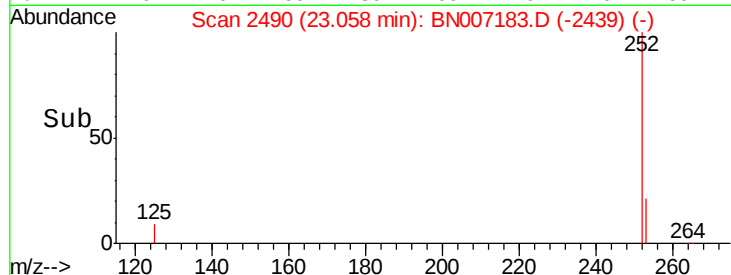
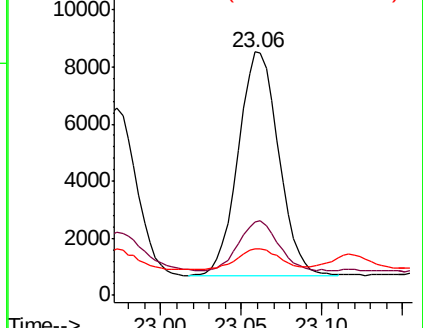
125 19.4 8.2 12.4#



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



#37

Benzo(g,h,i)perylene

Concen: 0.068 ng

RT: 25.85 min Scan# 3306

Delta R.T. -0.03 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

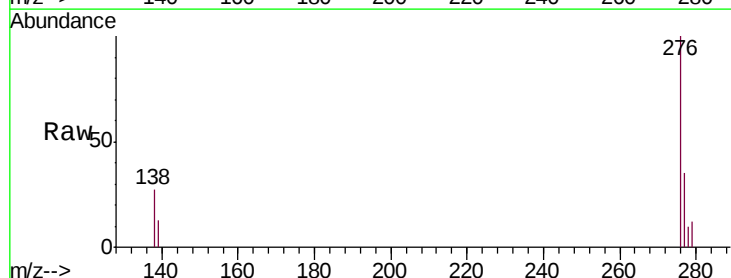
Tgt Ion: 276 Resp: 8672

Ion Ratio Lower Upper

276 100

277 34.5 19.8 29.8#

138 27.0 14.6 22.0#



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

