

Data File : BN007179.D
Acq On : 15 Aug 2019 00:42
Operator : HP/JU
Sample : K4240-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-035-B248-080619

Quant Time: Aug 15 11:46:22 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	8312	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	30406	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	16003	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	36030	0.40	ng	0.00
26) Chrysene-d12	21.03	240	35303	0.40	ng	-0.02
32) Perylene-d12	23.15	264	41453	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	8363	0.42	ng	0.00
4) Phenol-d6	6.61	99	10728	0.43	ng	0.00
7) Nitrobenzene-d5	8.55	82	8874	0.36	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	17279	0.30	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2671	0.31	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	2470	0.11	ng	0.00
24) Fluoranthene-d10	18.86	212	32125	0.25	ng	0.00
28) Terphenyl-d14	19.48	244	23282	0.24	ng	-0.01

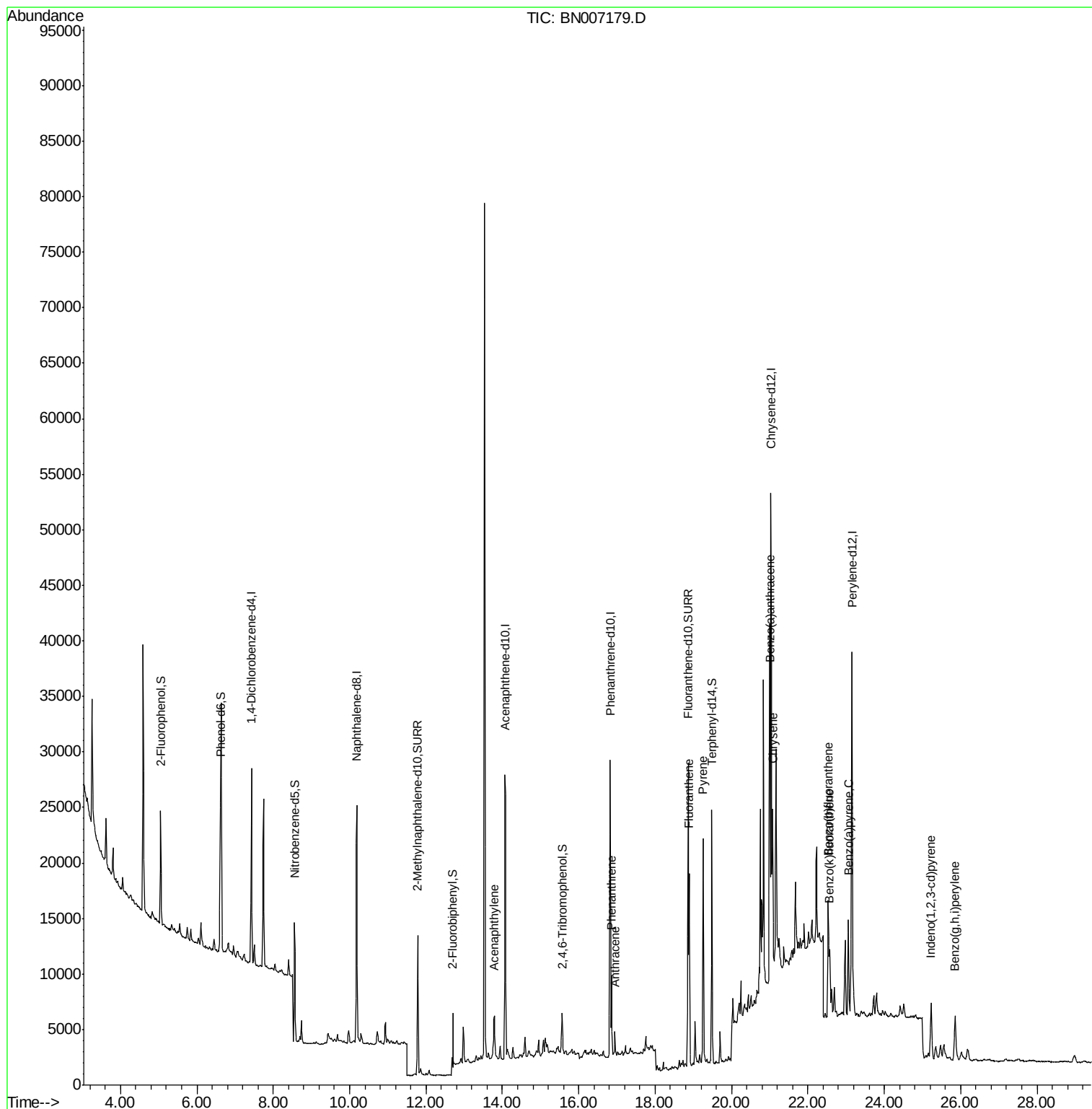
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.79	152	9019	0.108	ng	98
22) Phenanthrene	16.87	178	8428	0.078	ng	97
23) Anthracene	16.95	178	1980	0.020	ng	# 84
25) Fluoranthene	18.89	202	16280	0.118	ng	100
27) Pyrene	19.26	202	18456	0.149	ng	# 93
29) Benzo(a)anthracene	21.02	228	12541	0.097	ng	# 75
30) Chrysene	21.08	228	14120	0.113	ng	# 92
31) Indeno(1,2,3-cd)pyrene	25.23	276	7566	0.055	ng	98
33) Benzo(b)fluoranthene	22.53	252	17322	0.122	ng	# 80
34) Benzo(k)fluoranthene	22.57	252	6003m	0.043	ng	
35) Benzo(a)pyrene	23.06	252	11081	0.086	ng	# 75
37) Benzo(g,h,i)perylene	25.85	276	7728	0.058	ng	# 76

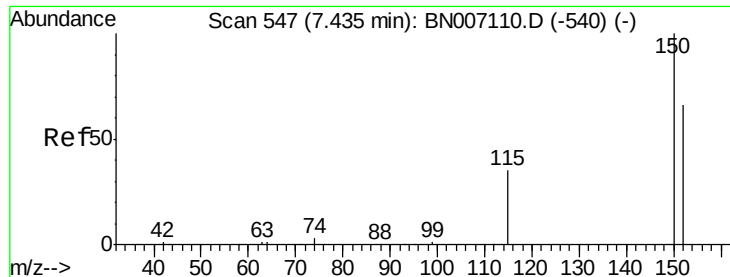
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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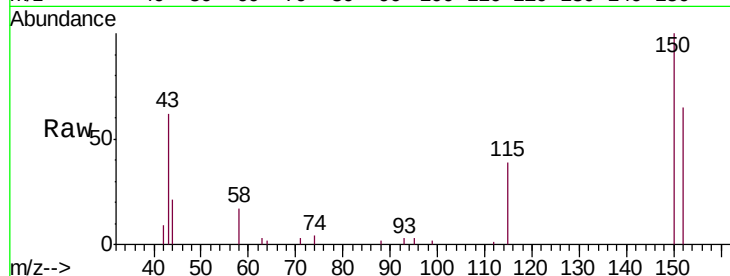


#1

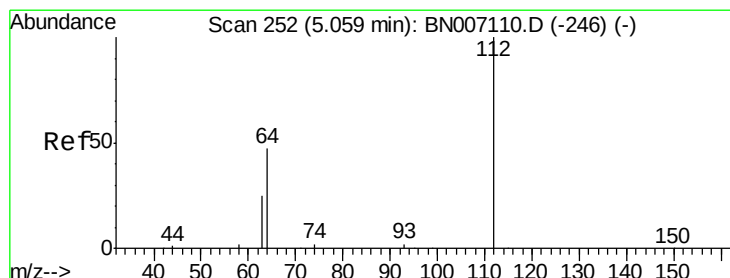
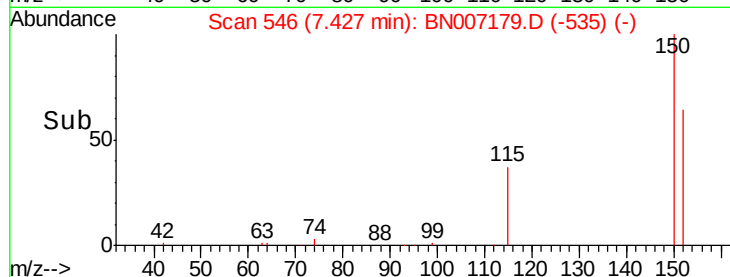
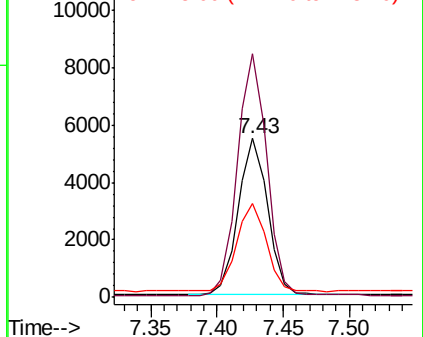
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.43 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BN007179.D
 Acq: 15 Aug 2019 00:42

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B248-080619

Tgt Ion:152 Resp: 8312
 Ion Ratio Lower Upper
 152 100
 150 153.4 121.7 182.5
 115 59.4 46.2 69.4



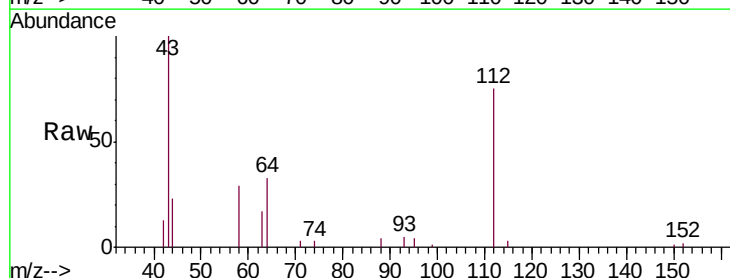
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



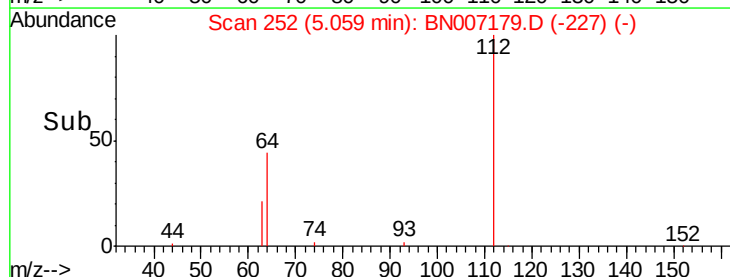
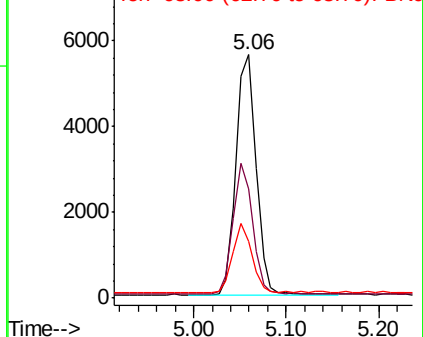
#3

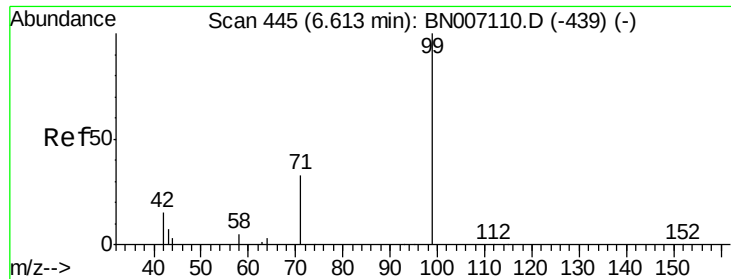
2-Fluorophenol
 Concen: 0.419 ng
 RT: 5.06 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: BN007179.D
 Acq: 15 Aug 2019 00:42

Tgt Ion:112 Resp: 8363
 Ion Ratio Lower Upper
 112 100
 64 52.9 42.6 63.8
 63 27.8 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: 0.434 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

Instrument :

BNA_N

ClientSampleId :

PST-035-B248-080619

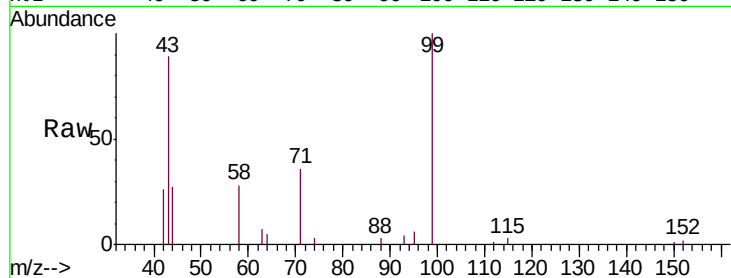
Tgt Ion: 99 Resp: 10728

Ion Ratio Lower Upper

99 100

42 28.9 15.8 23.6#

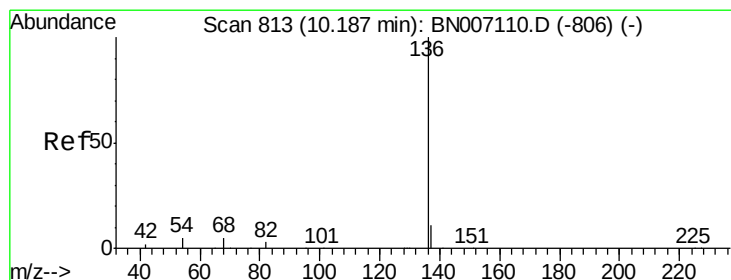
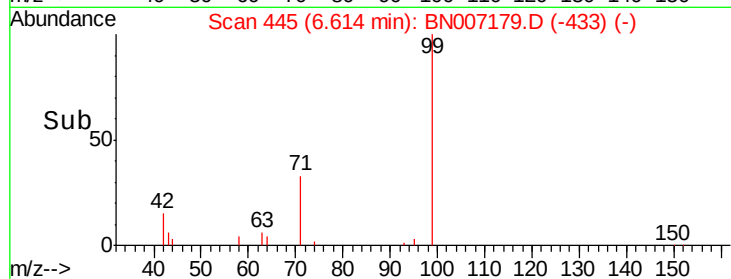
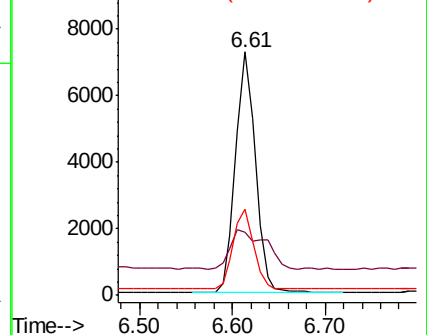
71 34.2 27.0 40.4



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: BN007179.D

Acq: 15 Aug 2019 00:42

Tgt Ion: 136 Resp: 30406

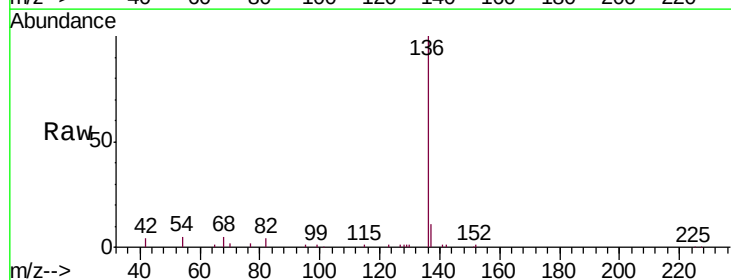
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 4.9 6.6 9.8#

68 4.9 6.0 9.0#

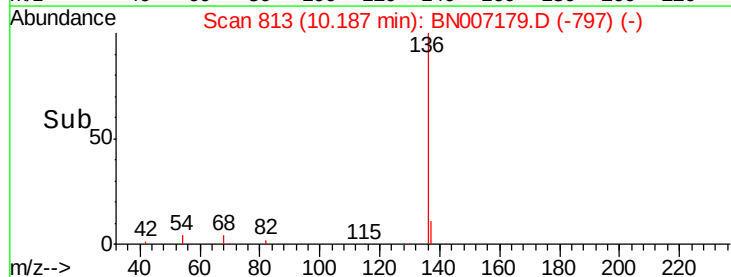
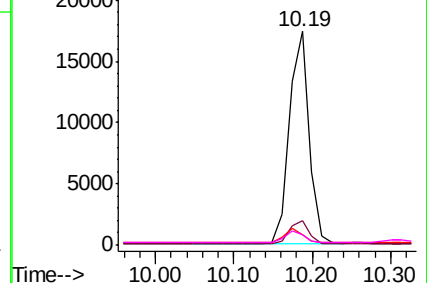


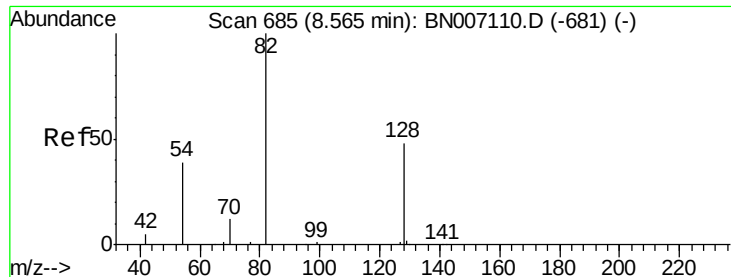
Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

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: 0.362 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

Instrument :

BNA_N

ClientSampleId :

PST-035-B248-080619

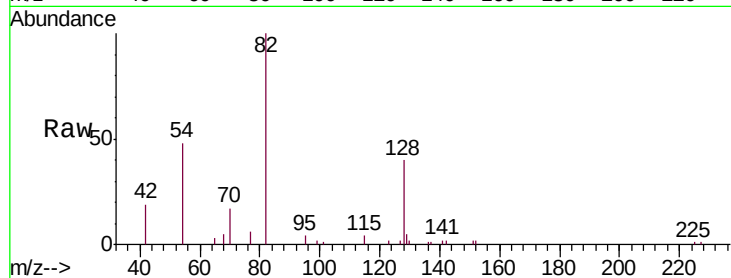
Tgt Ion: 82 Resp: 8874

Ion Ratio Lower Upper

82 100

128 39.6 34.6 51.8

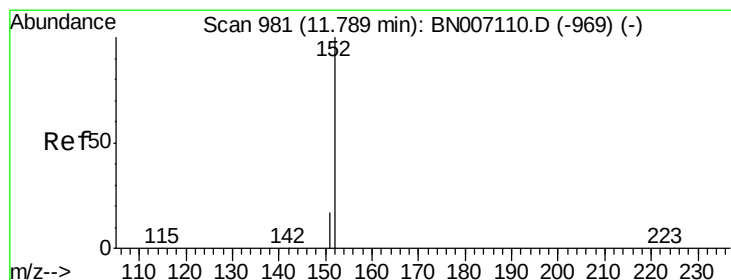
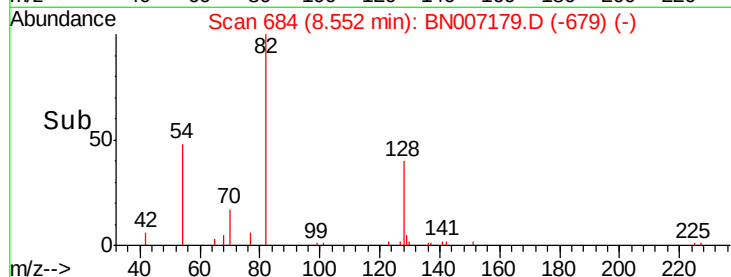
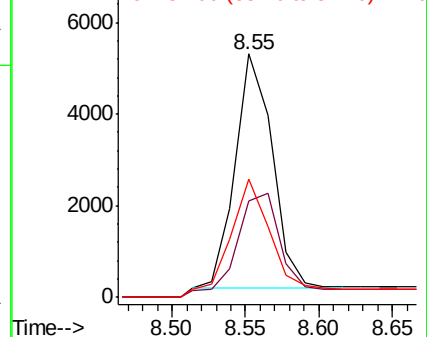
54 48.4 36.2 54.4



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: 0.305 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007179.D

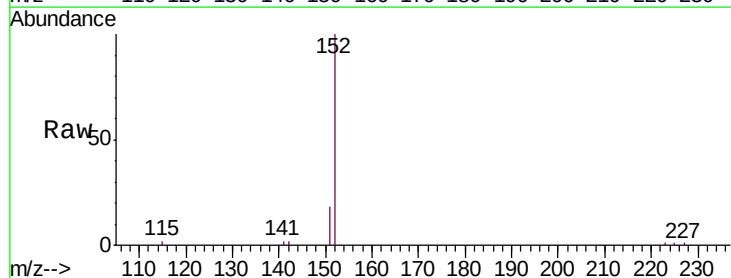
Acq: 15 Aug 2019 00:42

Tgt Ion: 152 Resp: 17279

Ion Ratio Lower Upper

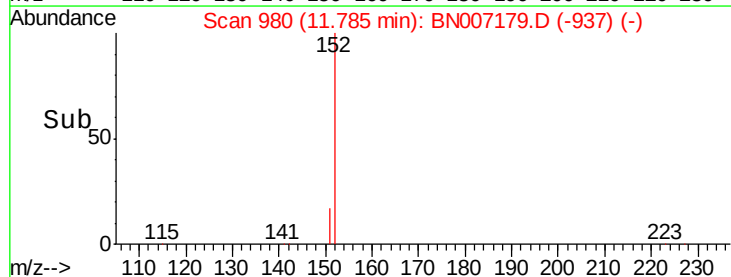
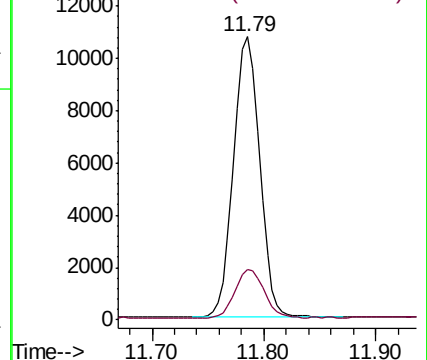
152 100

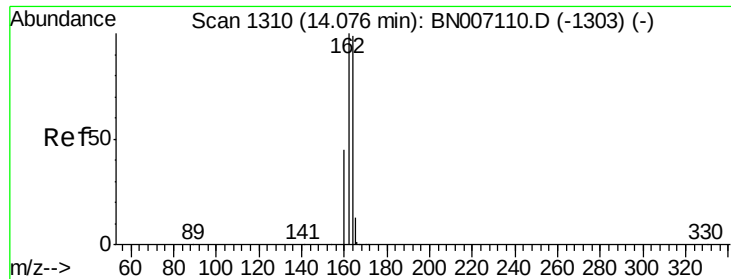
151 19.2 15.5 23.3



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: BN007179.D

Acq: 15 Aug 2019 00:42

Instrument :

BNA_N

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PST-035-B248-080619

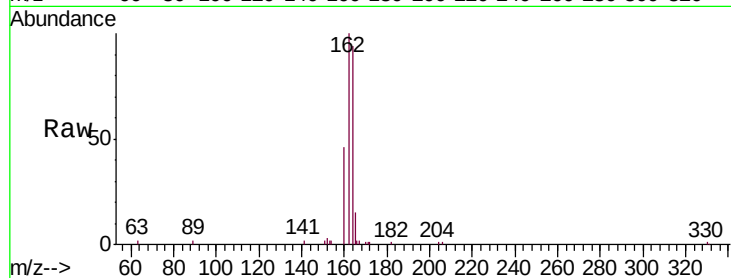
Tgt Ion:164 Resp: 16003

Ion Ratio Lower Upper

164 100

162 106.3 82.2 123.4

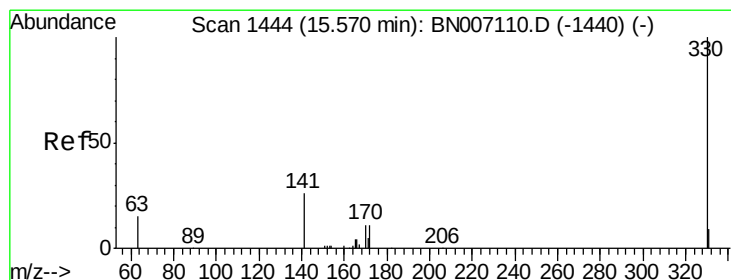
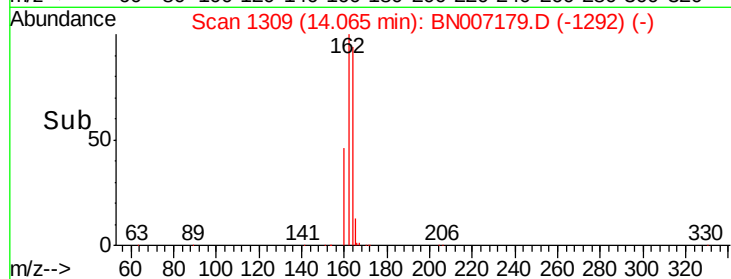
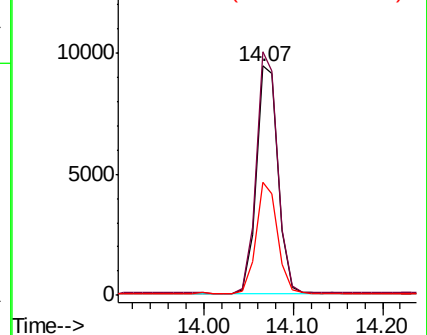
160 49.3 38.3 57.5



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: 0.310 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

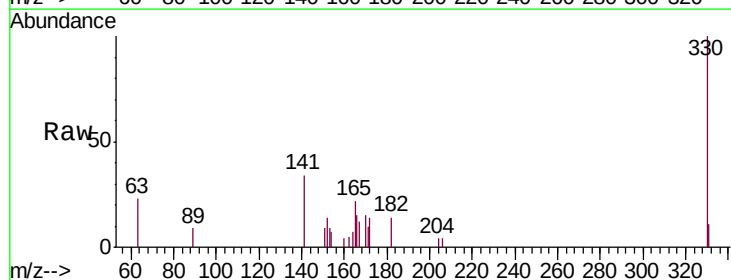
Tgt Ion:330 Resp: 2671

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

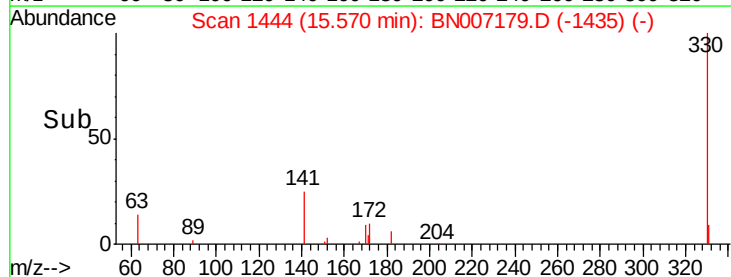
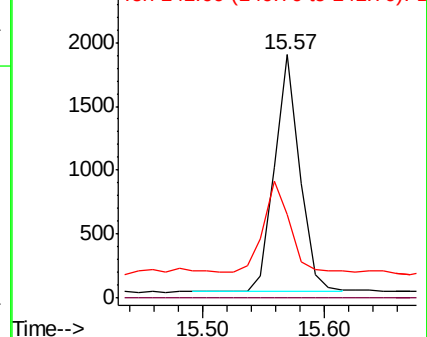
141 39.8 33.6 50.4

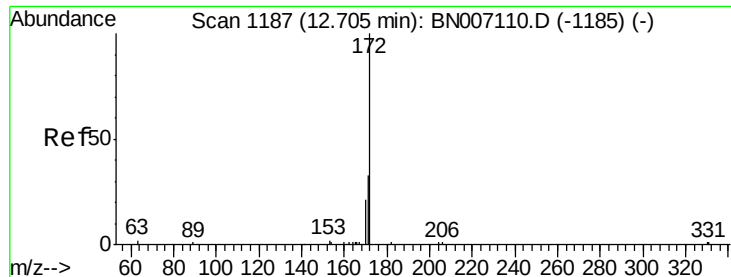


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

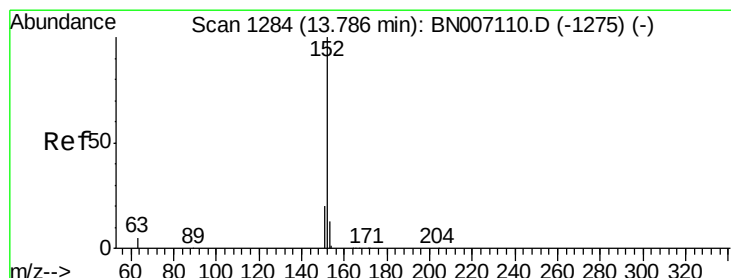
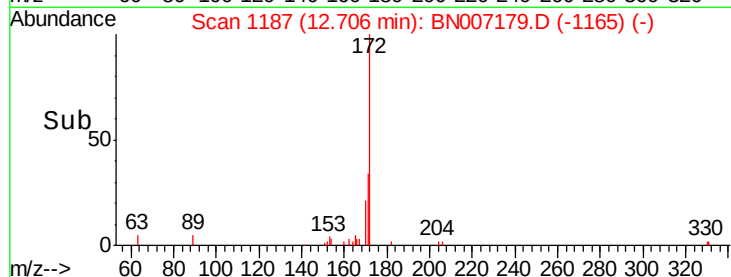
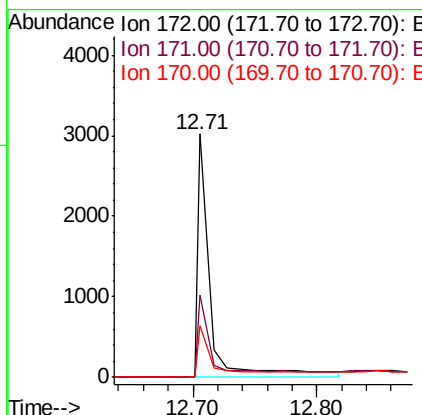
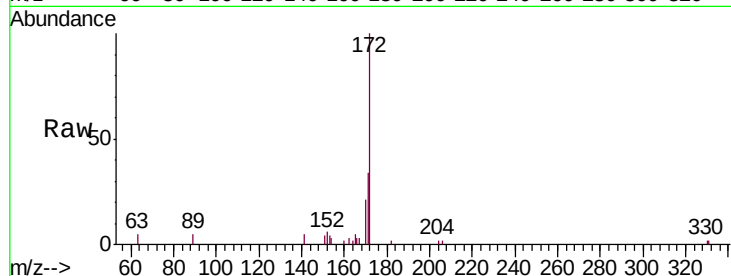




#14
2-Fluorobiphenyl
Concen: 0.106 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

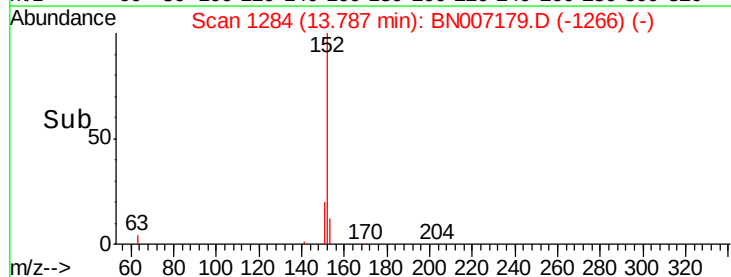
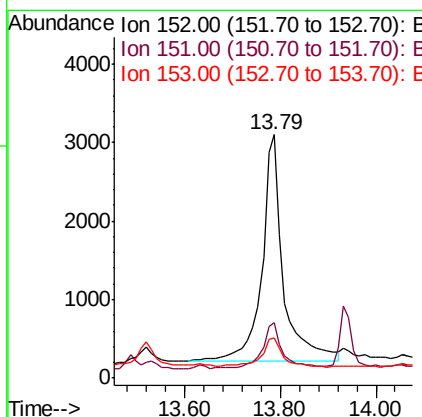
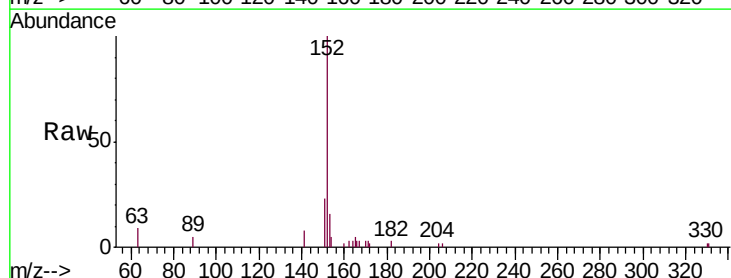
Instrument :
BNA_N
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PST-035-B248-080619

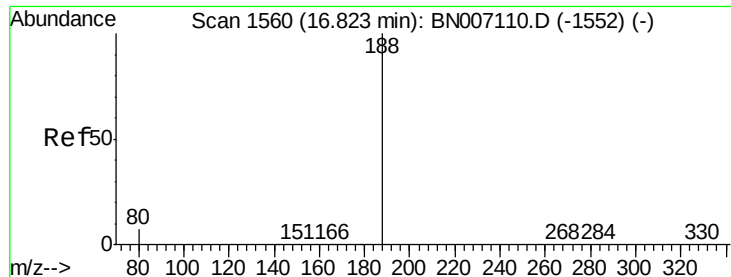
Tgt Ion:172 Resp: 2470
Ion Ratio Lower Upper
172 100
171 34.0 26.3 39.5
170 21.2 17.0 25.4



#15
Acenaphthylene
Concen: 0.108 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007179.D
Acq: 15 Aug 2019 00:42

Tgt Ion:152 Resp: 9019
Ion Ratio Lower Upper
152 100
151 18.4 15.8 23.6
153 12.8 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: BN007179.D

Acq: 15 Aug 2019 00:42

Instrument :

BNA_N

ClientSampleId :

PST-035-B248-080619

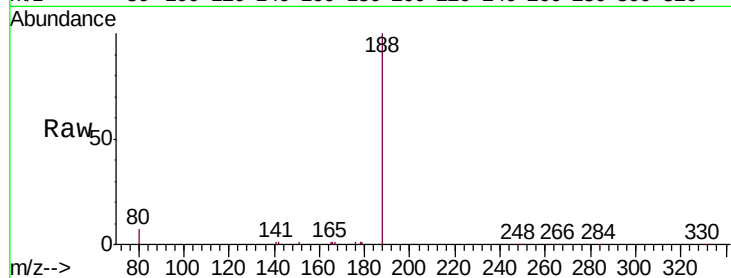
Tgt Ion:188 Resp: 36030

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

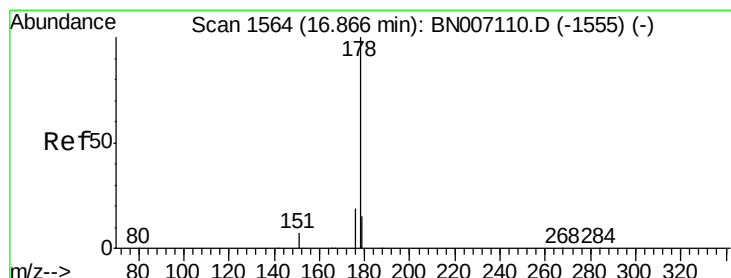
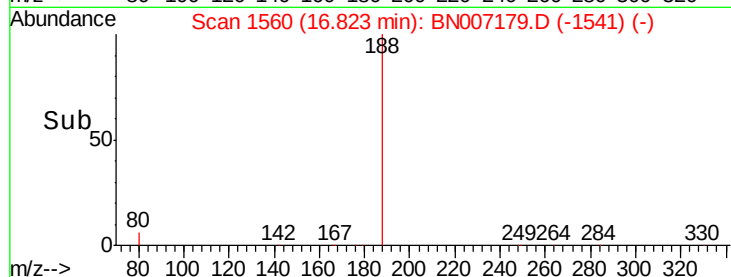
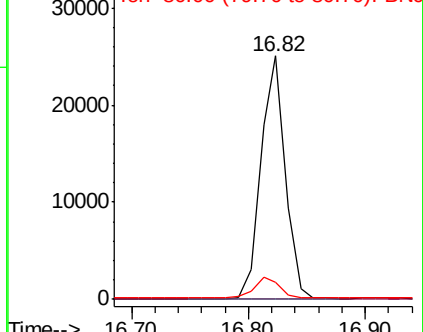
80 6.9 7.8 11.6#



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: 0.078 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

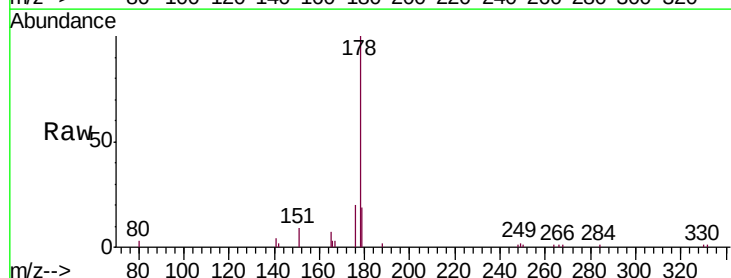
Tgt Ion:178 Resp: 8428

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

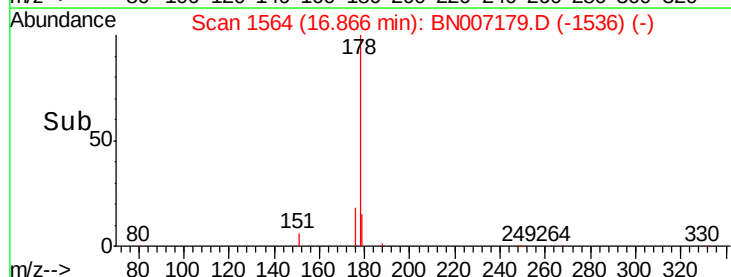
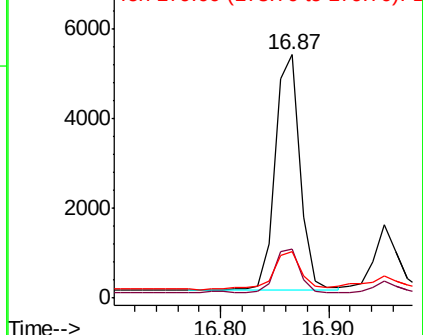
179 17.8 12.3 18.5

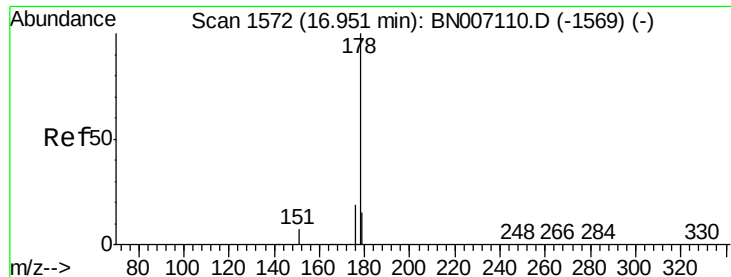


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.020 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

Instrument :

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PST-035-B248-080619

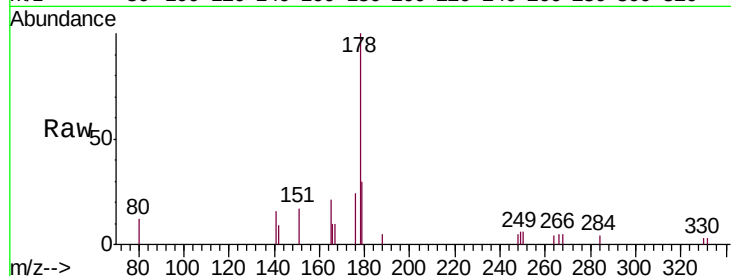
Tgt Ion:178 Resp: 1980

Ion Ratio Lower Upper

178 100

176 20.9 14.6 21.8

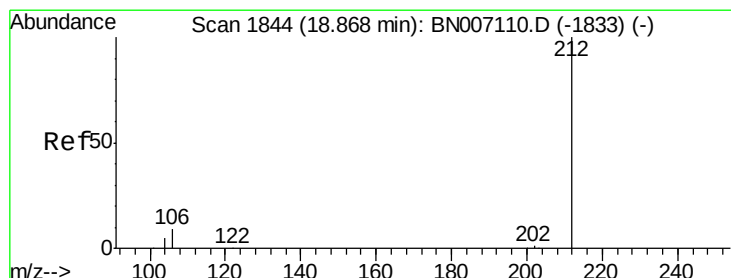
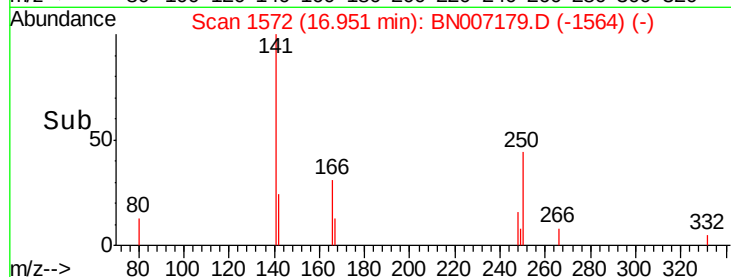
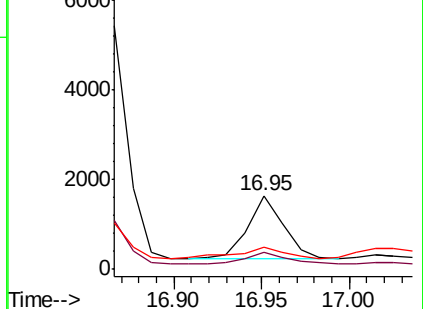
179 27.1 12.5 18.7#



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

Fluoranthene-d10

Concen: 0.251 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

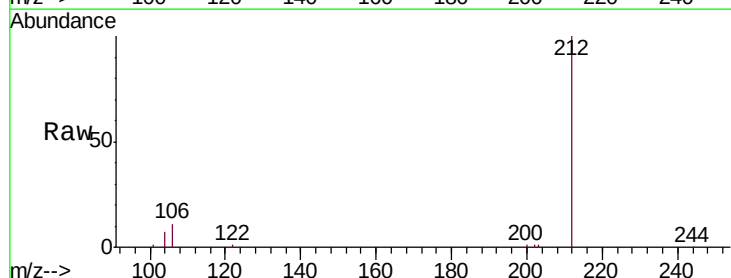
Tgt Ion:212 Resp: 32125

Ion Ratio Lower Upper

212 100

106 10.5 8.2 12.2

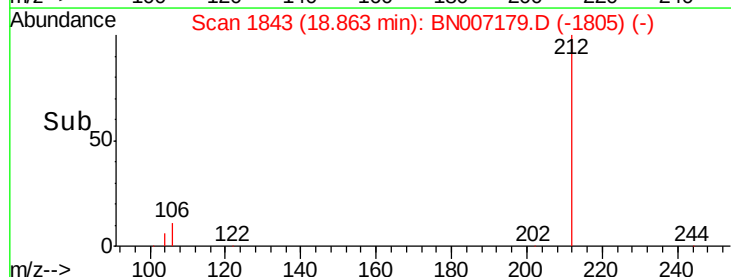
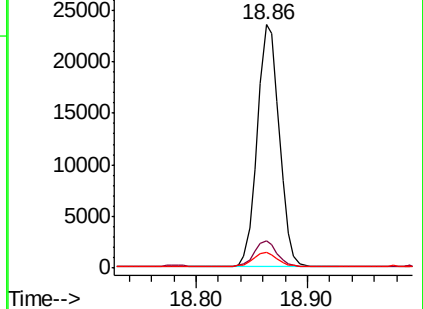
104 6.0 4.5 6.7

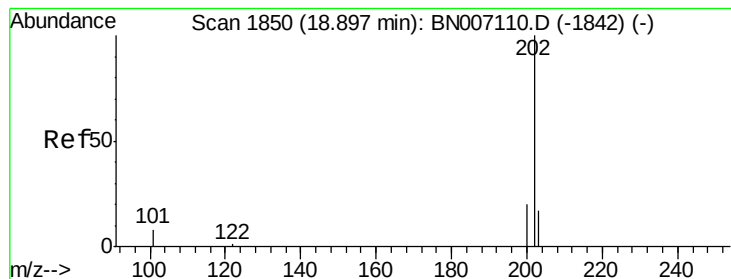


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.118 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

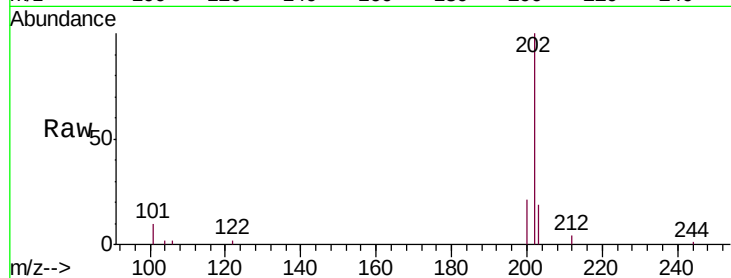
Instrument :

BNA_N

ClientSampleId :

PST-035-B248-080619

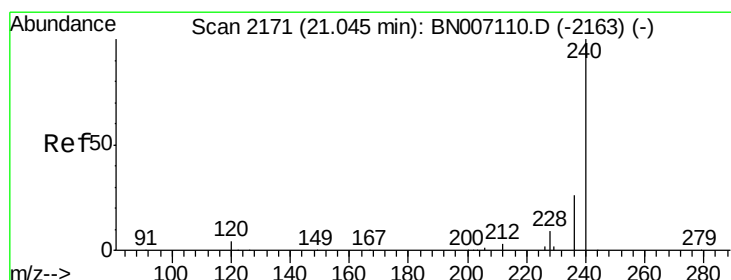
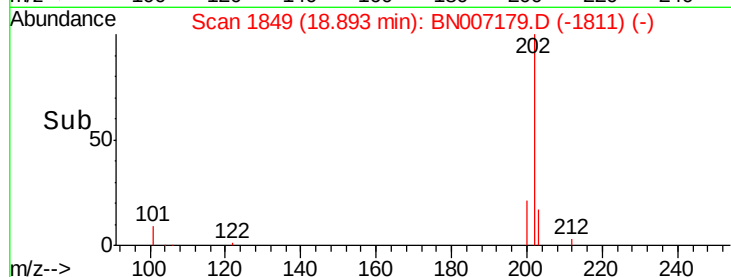
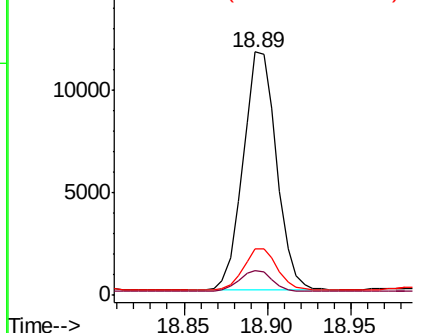
Tgt Ion:	202	Resp:	16280
Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.2	13.8	20.8



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

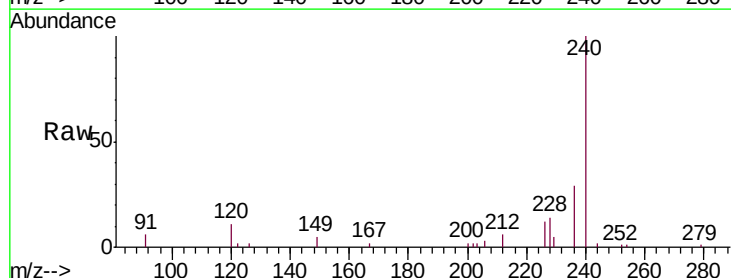
RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

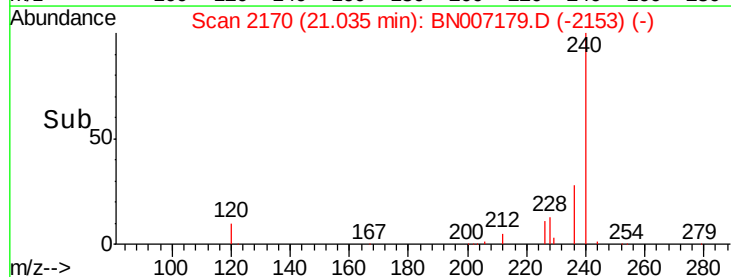
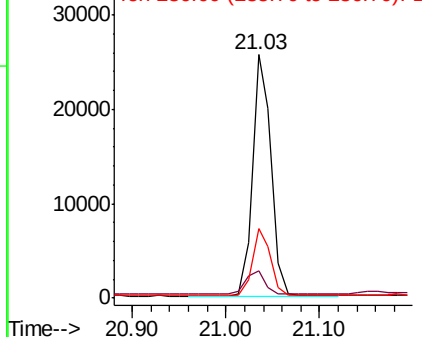
Tgt Ion:	240	Resp:	35303
Ion	Ratio	Lower	Upper
240	100		
120	11.5	4.0	6.0#
236	28.5	21.3	31.9

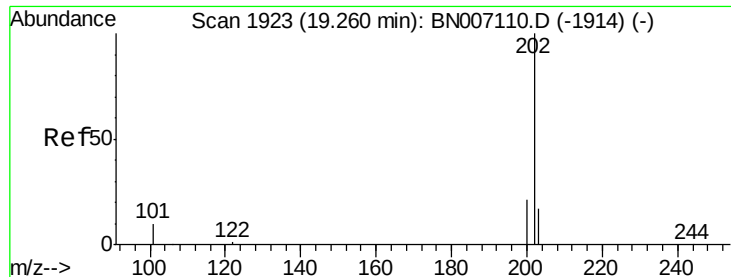


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

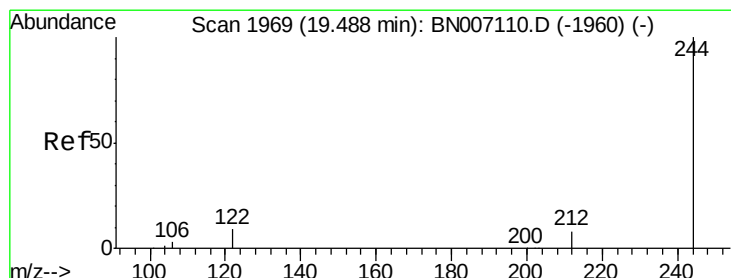
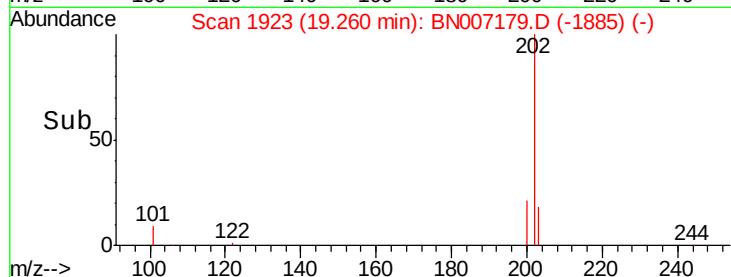
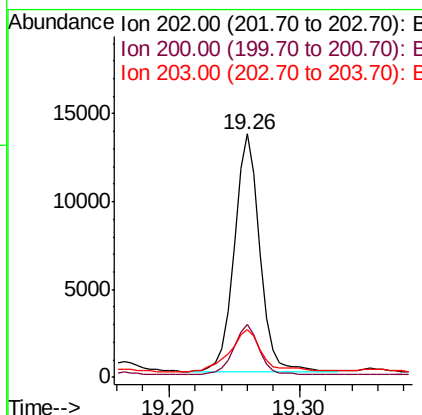
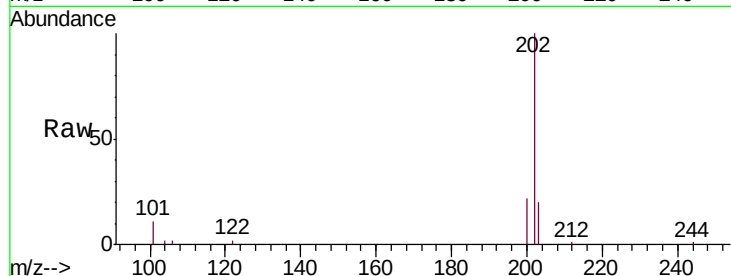




#27
 Pyrene
 Concen: 0.149 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007179.D
 Acq: 15 Aug 2019 00:42

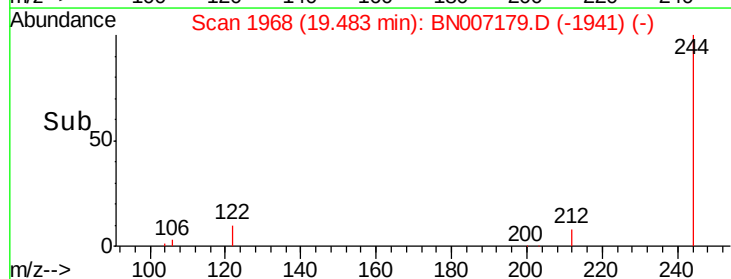
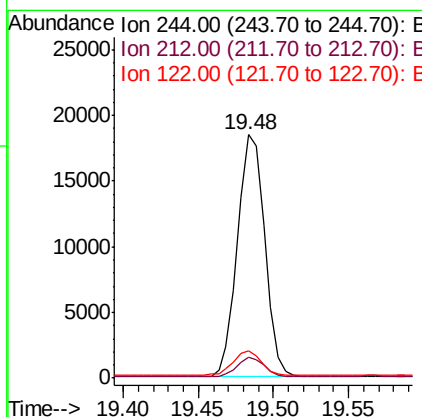
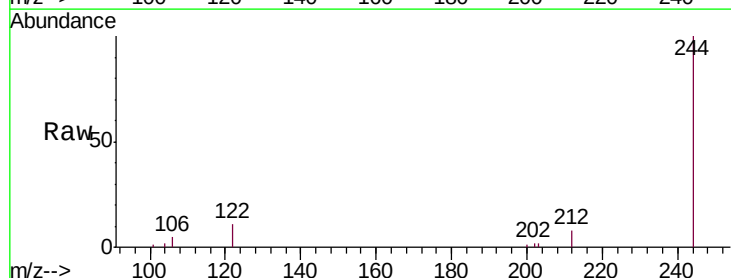
Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B248-080619

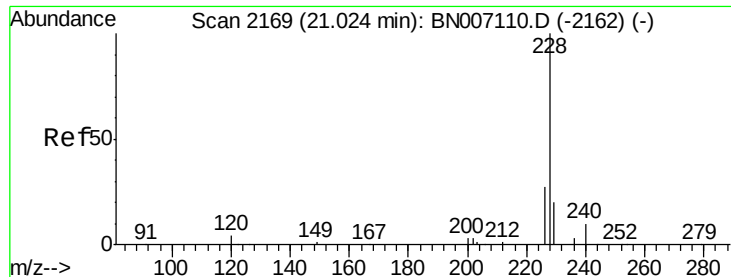
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.6	24.8
203	22.9	14.0	21.0



#28
 Terphenyl-d14
 Concen: 0.242 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BN007179.D
 Acq: 15 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.2
122	11.4	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.097 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

Instrument :

BNA_N

ClientSampleId :

PST-035-B248-080619

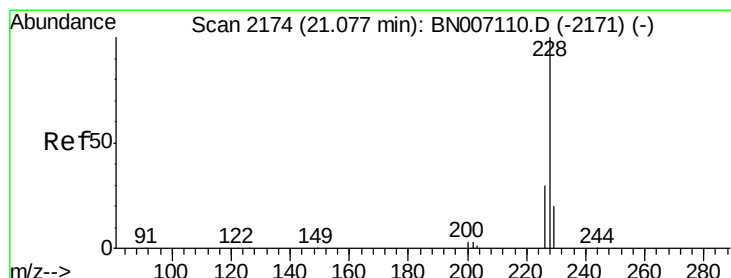
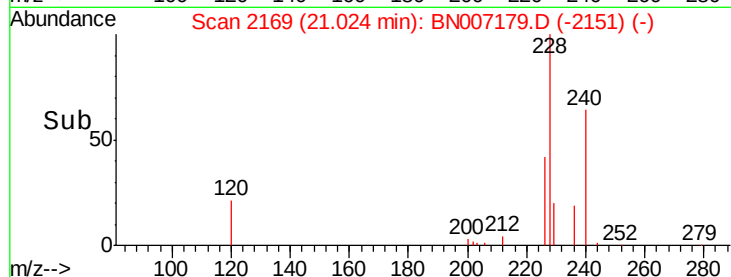
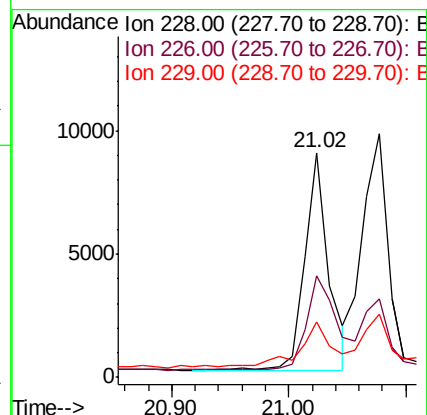
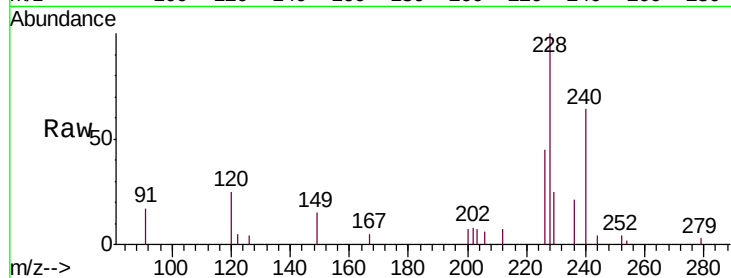
Tgt Ion:228 Resp: 12541

Ion Ratio Lower Upper

228 100

226 45.2 21.8 32.6#

229 24.6 15.6 23.4#



#30

Chrysene

Concen: 0.113 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

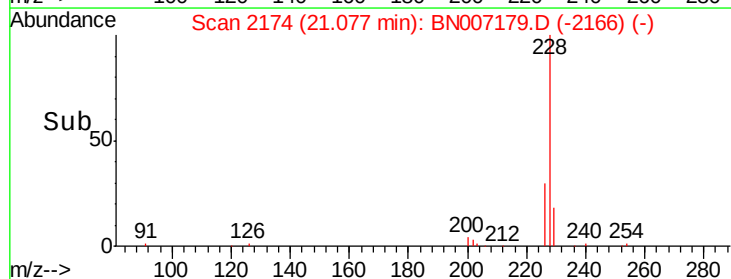
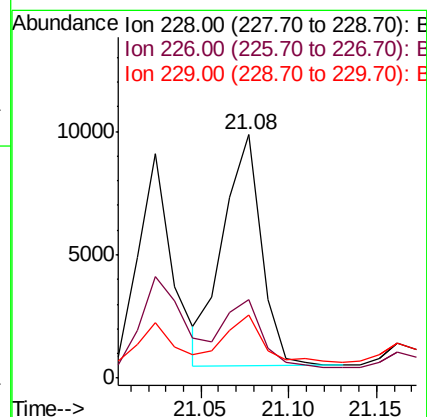
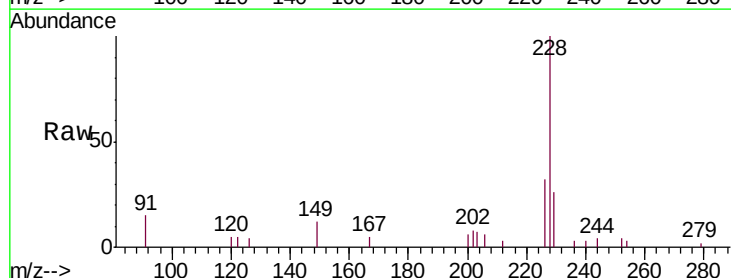
Tgt Ion:228 Resp: 14120

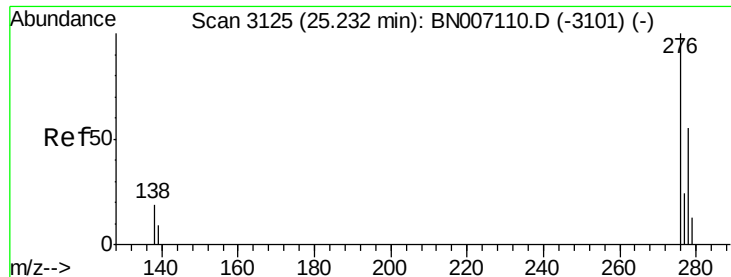
Ion Ratio Lower Upper

228 100

226 32.5 23.8 35.6

229 25.7 15.7 23.5#





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.055 ng

RT: 25.23 min Scan# 3123

Delta R.T. -0.03 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

Instrument :

BNA_N

ClientSampleId :

PST-035-B248-080619

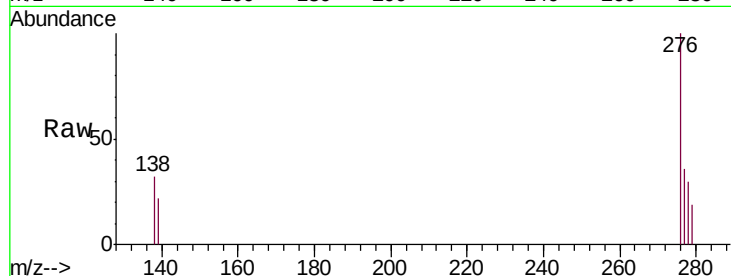
Tgt Ion:276 Resp: 7566

Ion Ratio Lower Upper

276 100

138 21.2 16.0 24.0

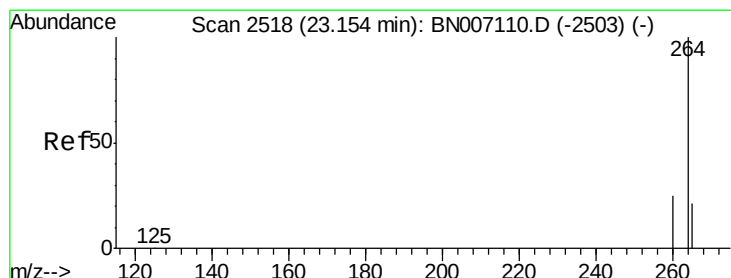
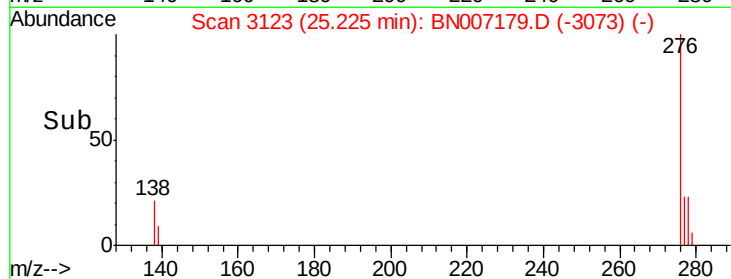
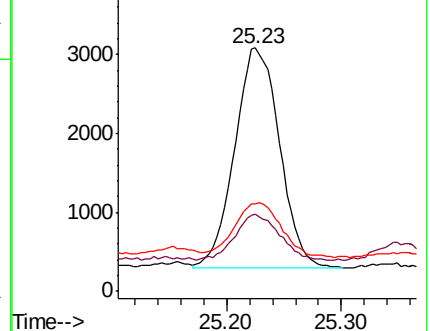
277 25.7 19.9 29.9



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# 2518

Delta R.T. -0.02 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

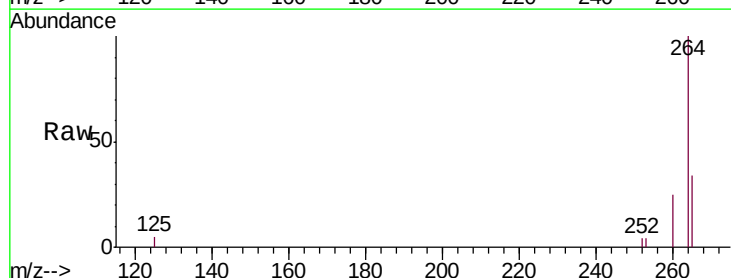
Tgt Ion:264 Resp: 41453

Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.8

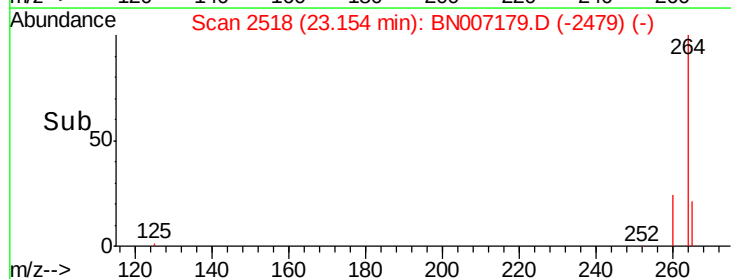
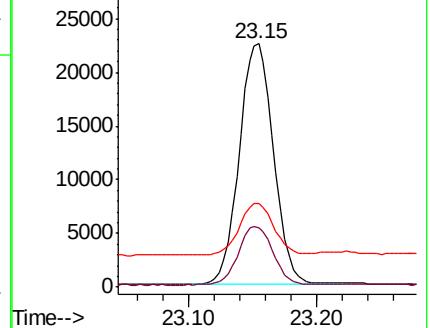
265 34.3 26.2 39.4

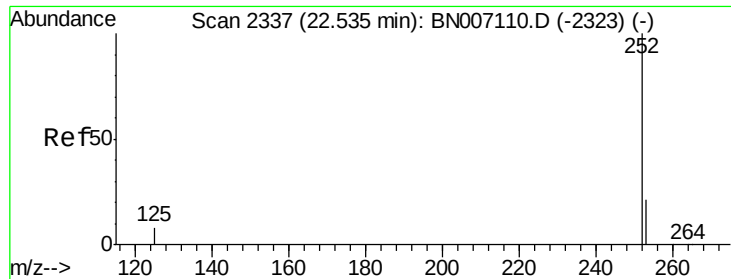


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.122 ng

RT: 22.53 min Scan# 2336

Delta R.T. -0.02 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

Instrument :

BNA_N

ClientSampleId :

PST-035-B248-080619

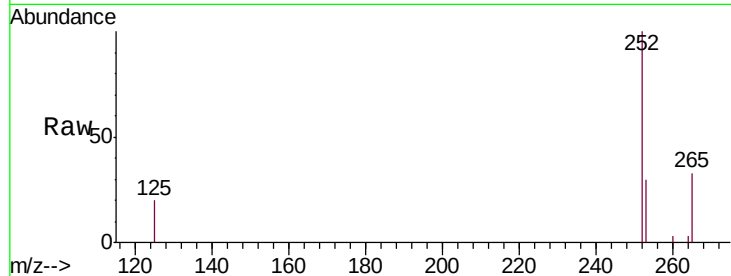
Tgt Ion:252 Resp: 17322

Ion Ratio Lower Upper

252 100

253 30.3 18.2 27.2#

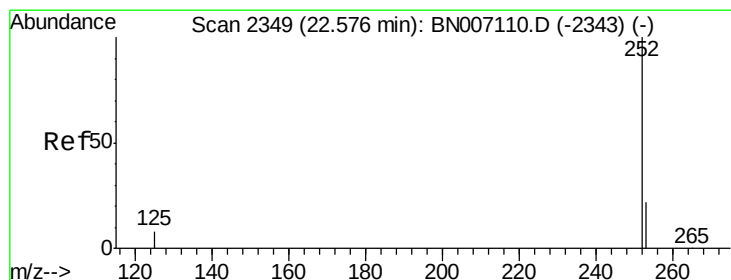
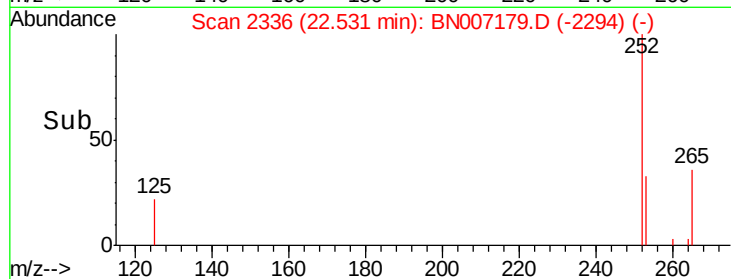
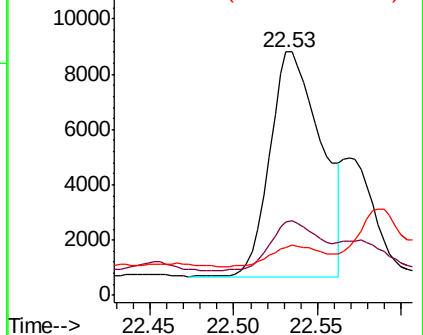
125 19.8 7.4 11.0#



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



#34

Benzo(k)fluoranthene

Concen: 0.043 ng m

RT: 22.57 min Scan# 2347

Delta R.T. -0.02 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

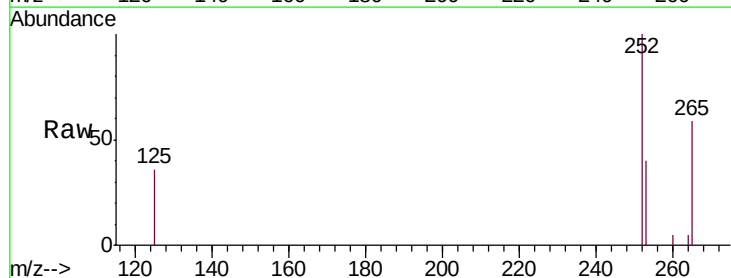
Tgt Ion:252 Resp: 6003

Ion Ratio Lower Upper

252 100

253 39.5 18.1 27.1#

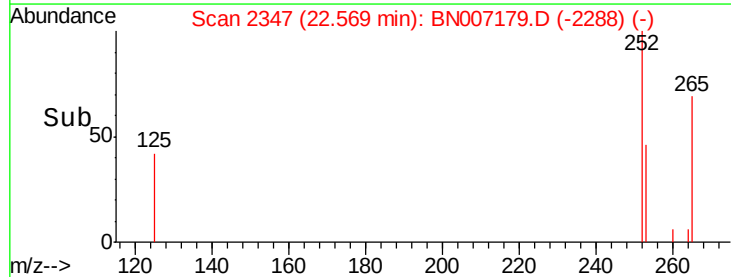
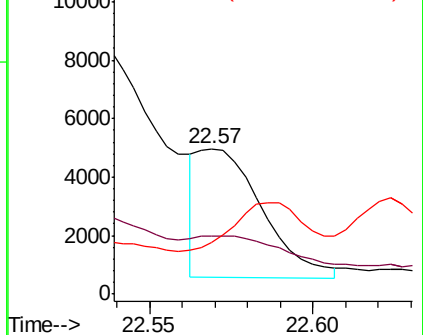
125 35.5 7.4 11.0#

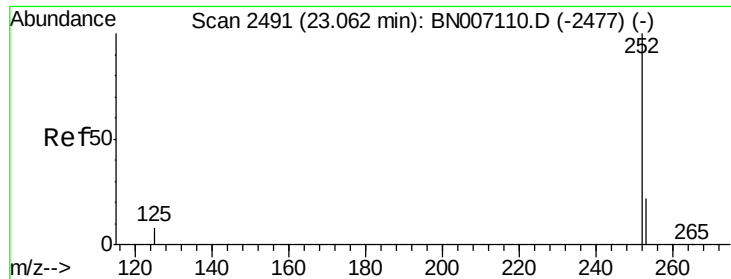


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.086 ng

RT: 23.06 min Scan# 2491

Delta R.T. -0.02 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

Instrument :

BNA_N

ClientSampleId :

PST-035-B248-080619

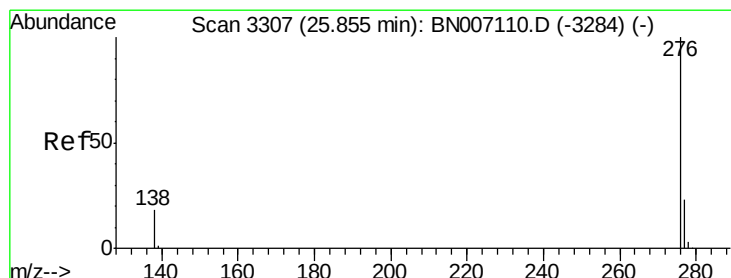
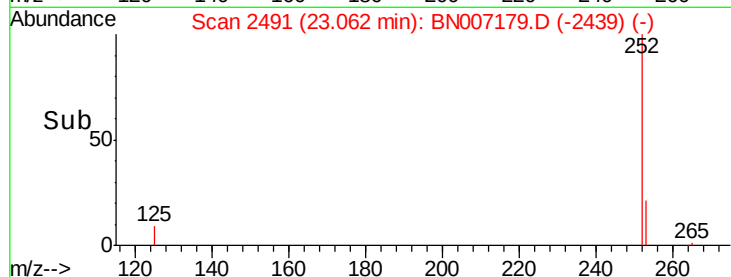
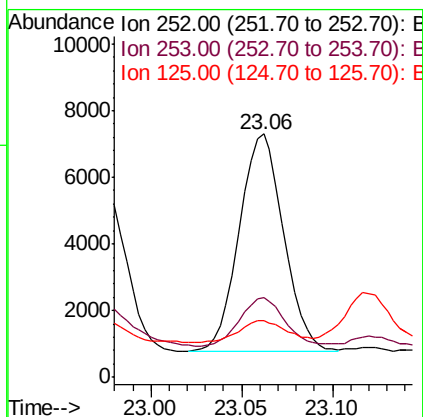
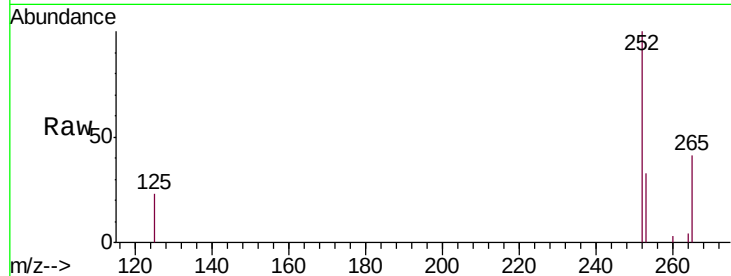
Tgt Ion: 252 Resp: 11081

Ion Ratio Lower Upper

252 100

253 33.0 18.5 27.7#

125 23.2 8.2 12.4#



#37

Benzo(g,h,i)perylene

Concen: 0.058 ng

RT: 25.85 min Scan# 3307

Delta R.T. -0.02 min

Lab File: BN007179.D

Acq: 15 Aug 2019 00:42

Tgt Ion: 276 Resp: 7728

Ion Ratio Lower Upper

276 100

277 36.0 19.8 29.8#

138 30.4 14.6 22.0#

