

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081419\
 Data File : BN007174.D
 Acq On : 14 Aug 2019 21:41
 Operator : HP/JU
 Sample : K4222-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 15 11:03:54 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	7704	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	27811	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	15559	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	35647	0.40	ng	0.00
26) Chrysene-d12	21.05	240	35348	0.40	ng	-0.01
32) Perylene-d12	23.15	264	40243	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	3240	0.18	ng	0.00
4) Phenol-d6	6.61	99	2533	0.11	ng	0.00
7) Nitrobenzene-d5	8.55	82	8682	0.39	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	17988	0.35	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	655	0.08	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3229	0.14	ng	0.00
24) Fluoranthene-d10	18.87	212	45331	0.36	ng	0.00
28) Terphenyl-d14	19.49	244	38039	0.39	ng	-0.01

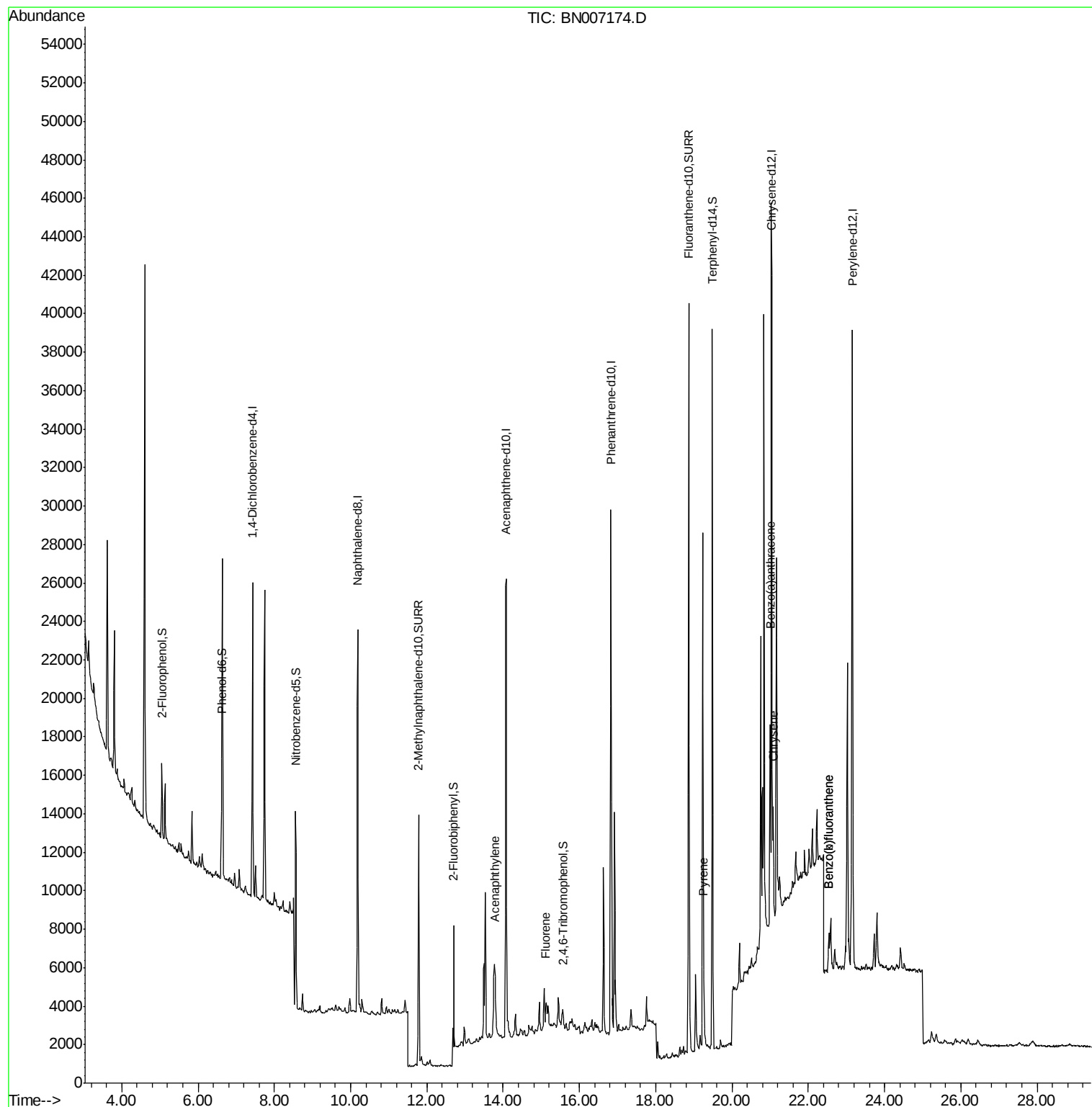
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.78	152	9762	0.120	ng	97
17) Fluorene	15.12	166	1848	0.024	ng	# 64
27) Pyrene	19.26	202	4166	0.034	ng	# 84
29) Benzo(a)anthracene	21.02	228	4430	0.034	ng	# 40
30) Chrysene	21.08	228	5771	0.046	ng	# 83
33) Benzo(b)fluoranthene	22.54	252	3068	0.022	ng	# 19
34) Benzo(k)fluoranthene	22.54	252	3068	0.023	ng	# 18

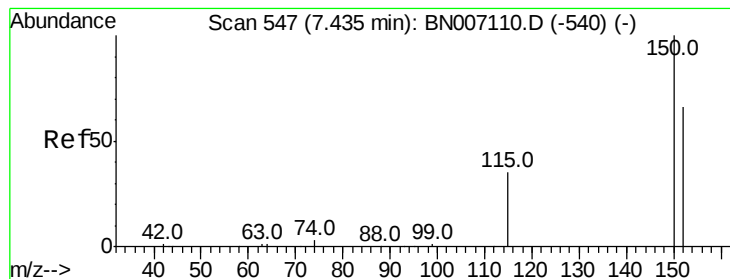
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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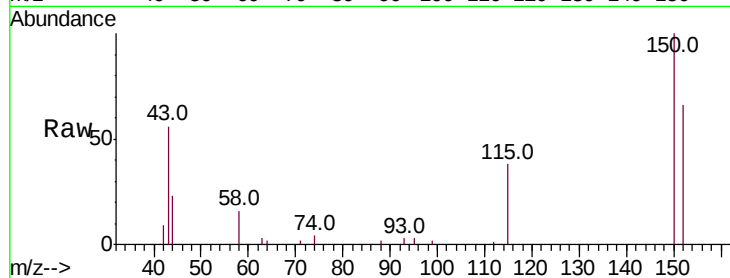


#1

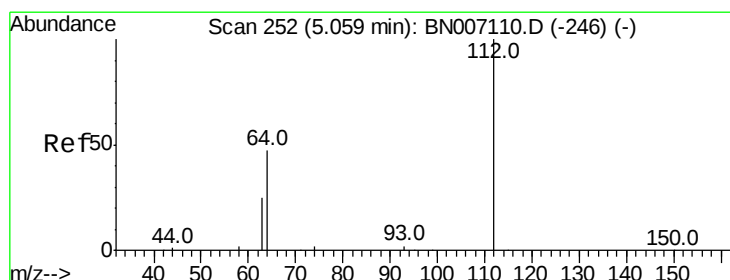
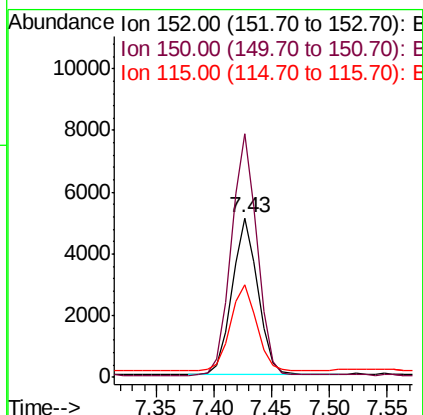
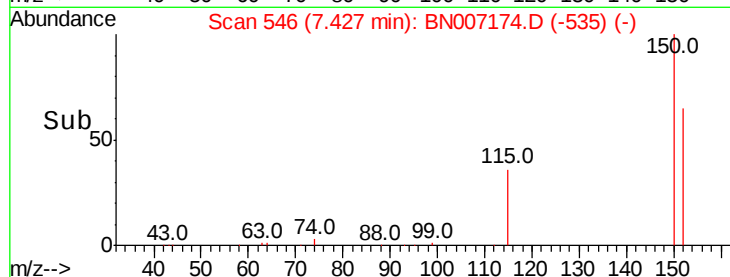
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007174.D
Acq: 14 Aug 2019 21:41

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 7704
Ion Ratio Lower Upper
152 100
150 152.6 121.7 182.5
115 58.3 46.2 69.4



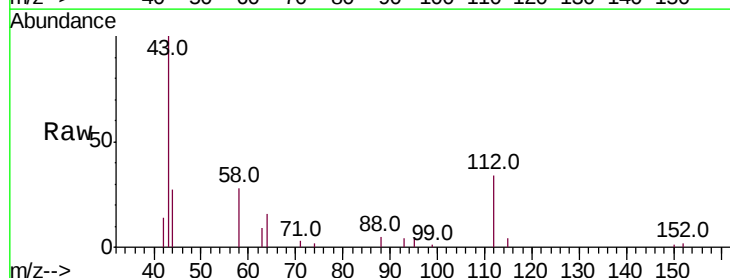
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



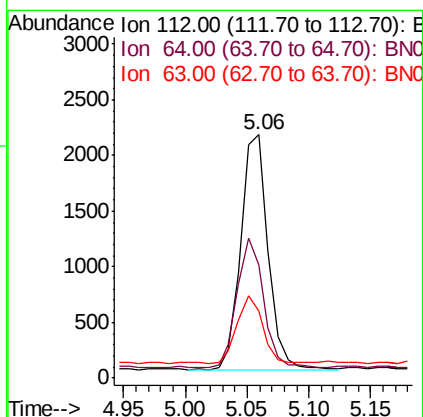
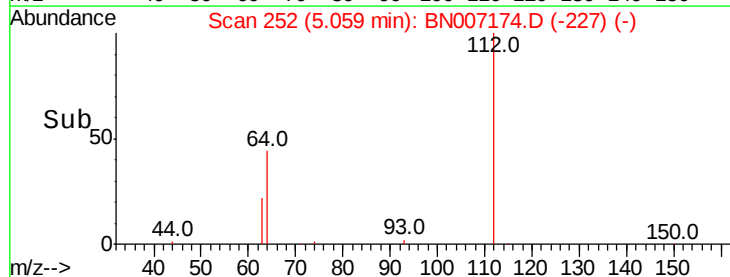
#3

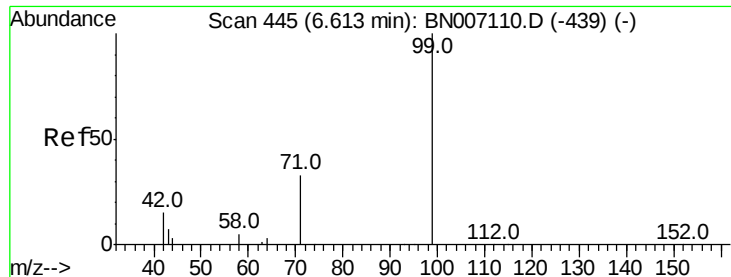
2-Fluorophenol
Concen: 0.175 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007174.D
Acq: 14 Aug 2019 21:41

Tgt Ion:112 Resp: 3240
Ion Ratio Lower Upper
112 100
64 52.8 42.6 63.8
63 27.3 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: 0.110 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

Instrument :

BNA_N

ClientSampleId :

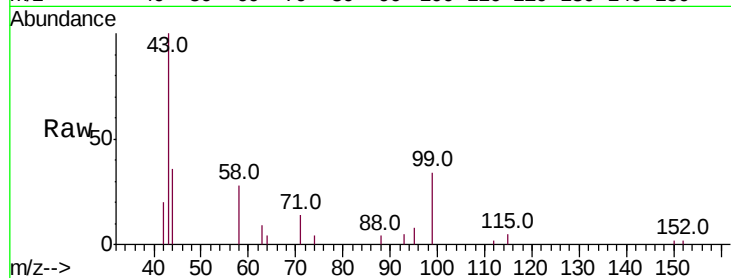
Tot Ion: 99 Resp: 2533

Ion Ratio Lower Upper

99 100

42 62.3 15.8 23.6#

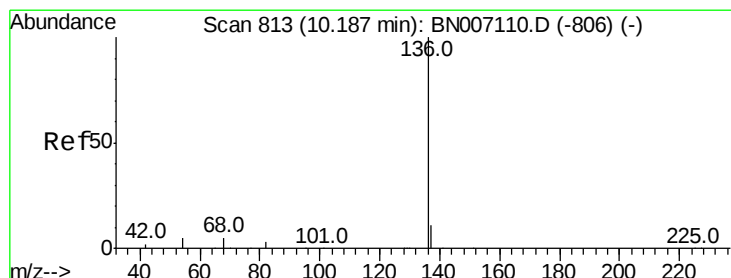
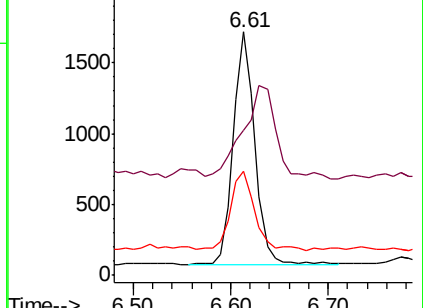
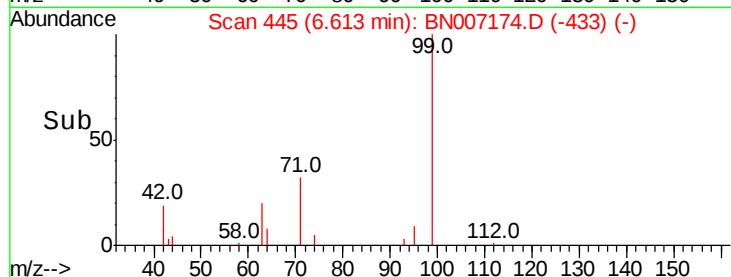
71 38.0 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BN007174.D (-433) (-)

Ion 42.00 (41.70 to 42.70): BN007174.D (-433) (-)

Ion 71.00 (70.70 to 71.70): BN007174.D (-433) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

Tgt Ion: 136 Resp: 27811

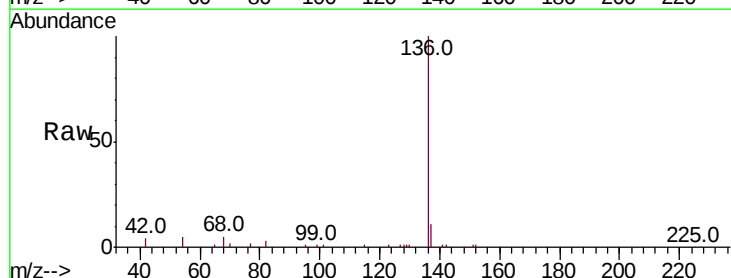
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 5.2 6.6 9.8#

68 4.9 6.0 9.0#

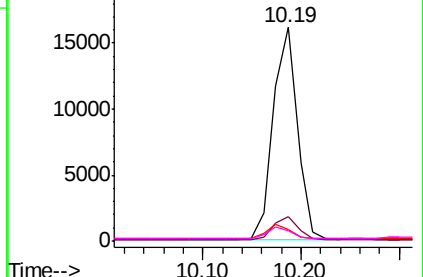
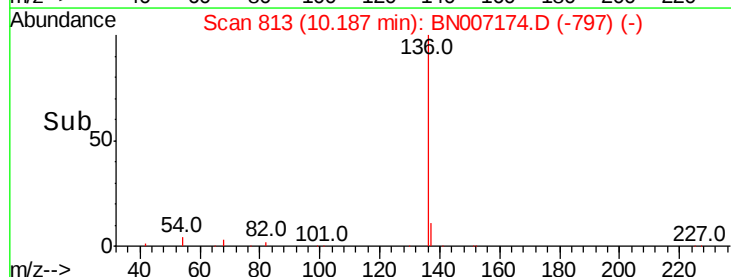


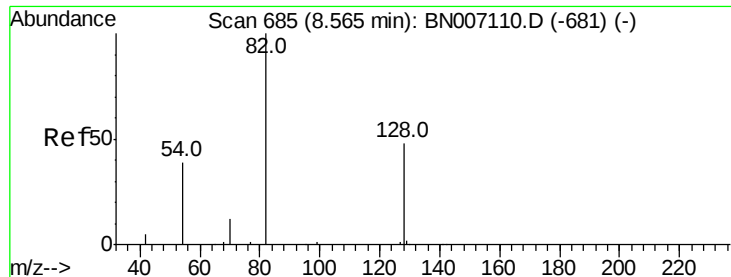
Abundance Ion 136.00 (135.70 to 136.70): BN007174.D (-797) (-)

Ion 137.00 (136.70 to 137.70): BN007174.D (-797) (-)

Ion 54.00 (53.70 to 54.70): BN007174.D (-797) (-)

Ion 68.00 (67.70 to 68.70): BN007174.D (-797) (-)





#7

Nitrobenzene-d5

Concen: 0.387 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

Instrument :

BNA_N

ClientSampleId :

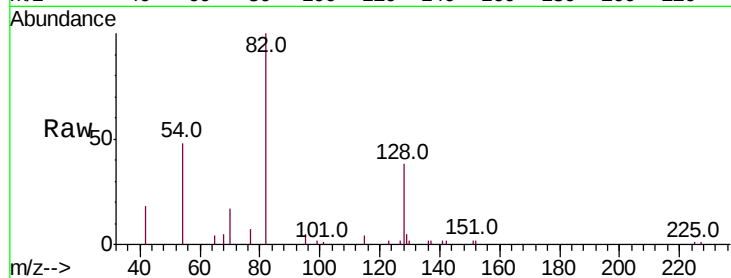
Tot Ion: 82 Resp: 8682

Ion Ratio Lower Upper

82 100

128 37.8 34.6 51.8

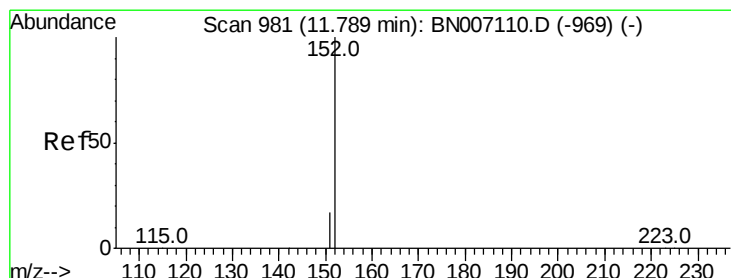
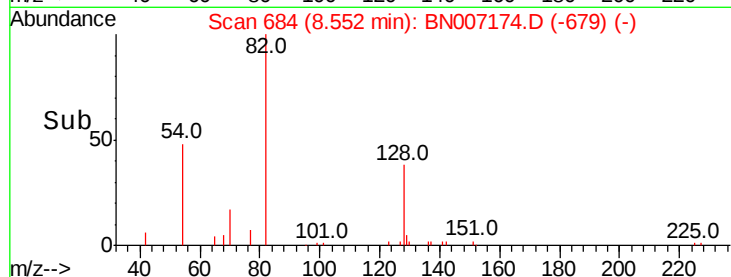
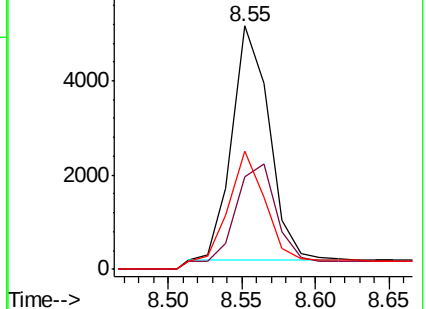
54 48.5 36.2 54.4



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: 0.347 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007174.D

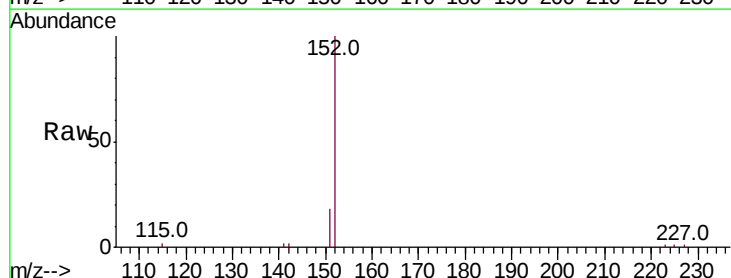
Acq: 14 Aug 2019 21:41

Tgt Ion: 152 Resp: 17988

Ion Ratio Lower Upper

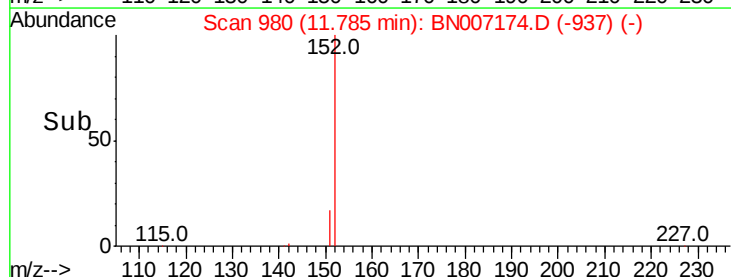
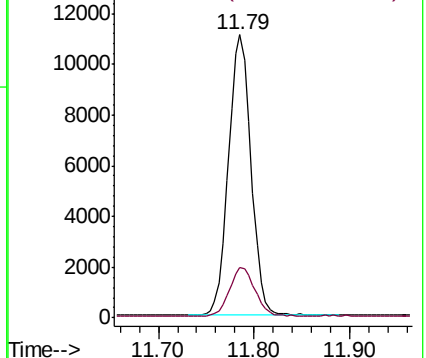
152 100

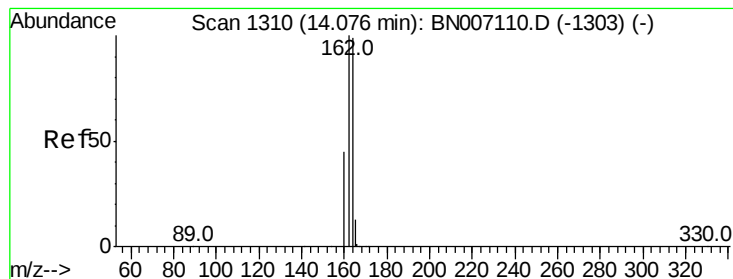
151 19.2 15.5 23.3



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: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

Instrument :

BNA_N

ClientSampleId :

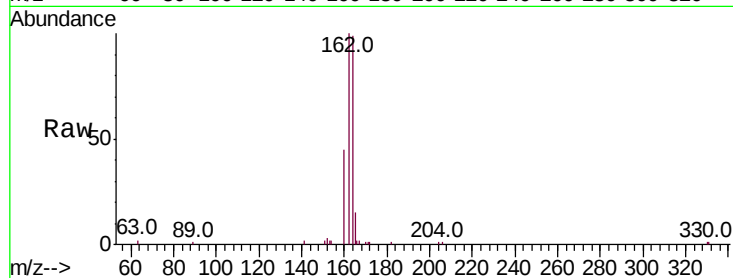
Tot Ion:164 Resp: 15559

Ion Ratio Lower Upper

164 100

162 101.0 82.2 123.4

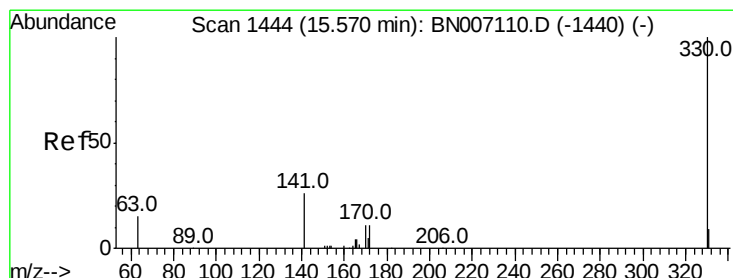
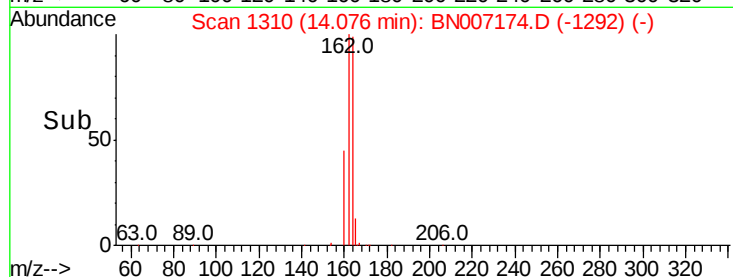
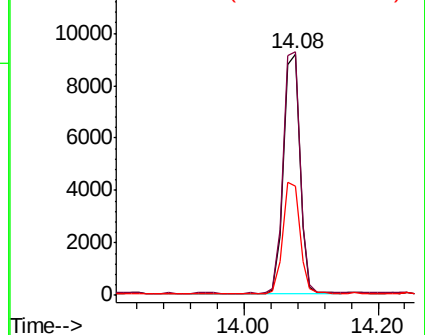
160 45.4 38.3 57.5



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: 0.078 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

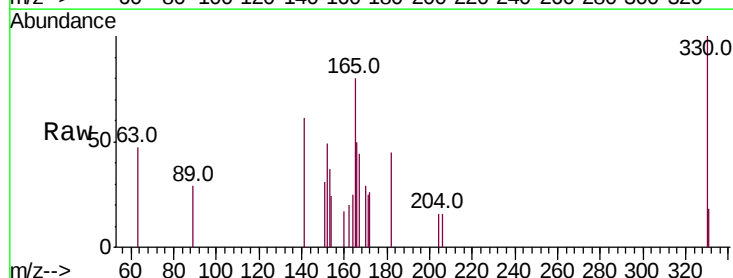
Tgt Ion:330 Resp: 655

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

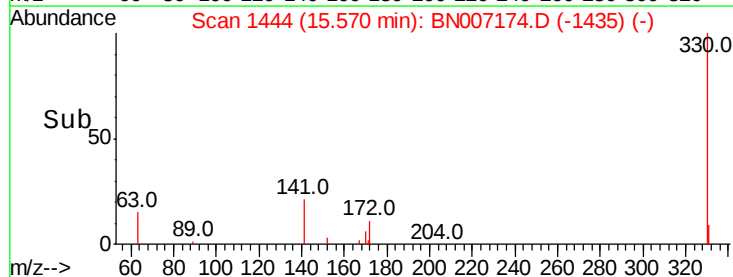
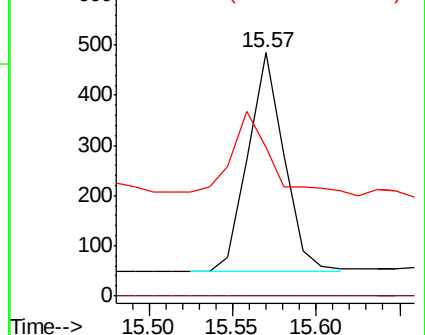
141 41.5 33.6 50.4

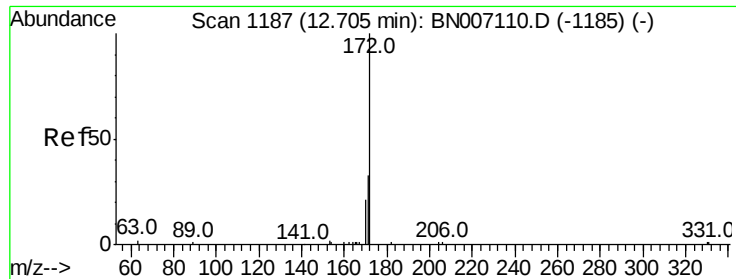


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

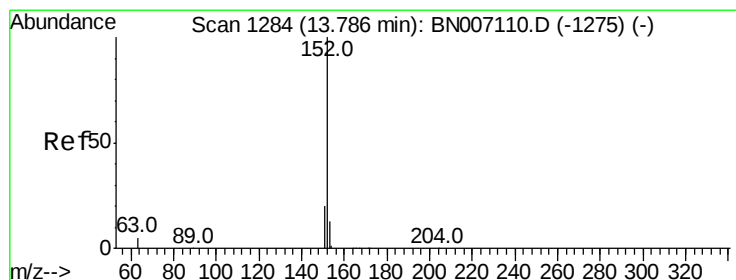
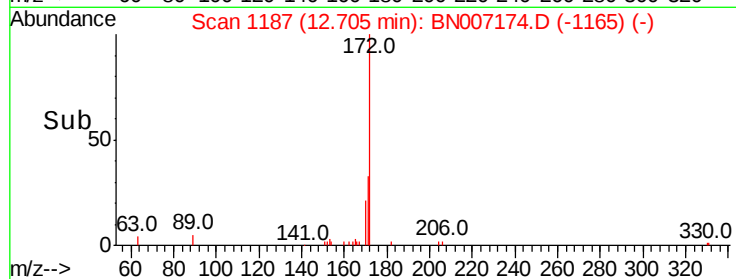
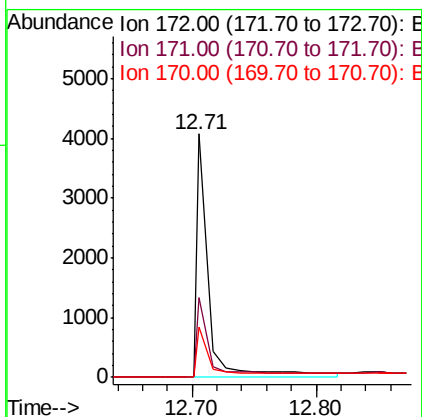
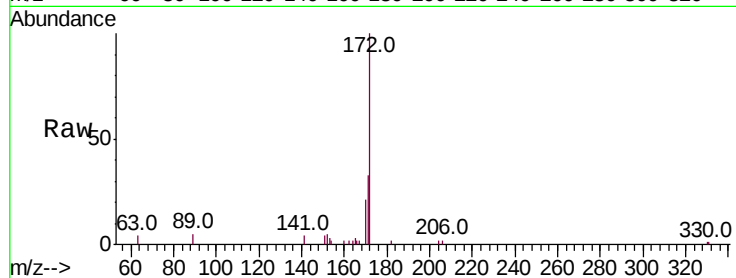




#14
2-Fluorobiphenyl
Concen: 0.143 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007174.D
Acq: 14 Aug 2019 21:41

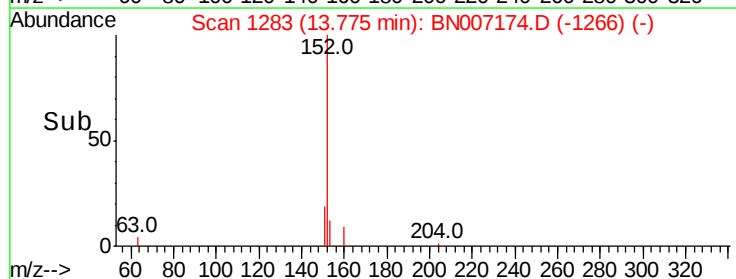
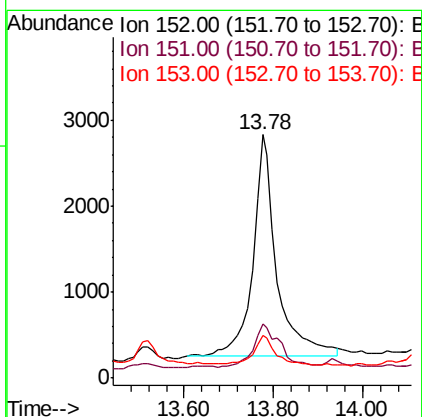
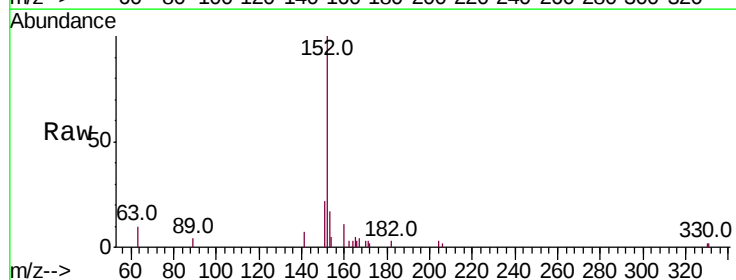
Instrument :
BNA_N
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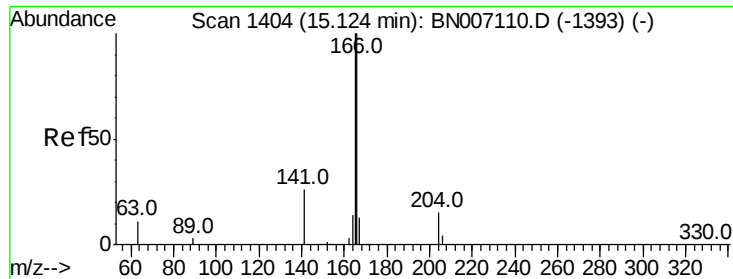
Tot Ion:172 Resp: 3229
Ion Ratio Lower Upper
172 100
171 33.0 26.3 39.5
170 20.8 17.0 25.4



#15
Acenaphthylene
Concen: 0.120 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007174.D
Acq: 14 Aug 2019 21:41

Tgt Ion:152 Resp: 9762
Ion Ratio Lower Upper
152 100
151 21.3 15.8 23.6
153 11.6 10.4 15.6





#17

Fluorene

Concen: 0.024 ng

RT: 15.12 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

Instrument :

BNA_N

ClientSampleId :

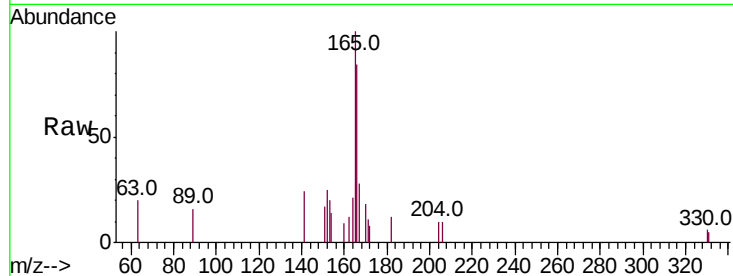
Tot Ion:166 Resp: 1848

Ion Ratio Lower Upper

166 100

165 58.8 77.9 116.9#

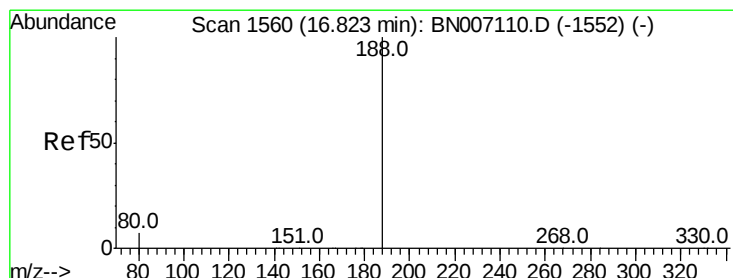
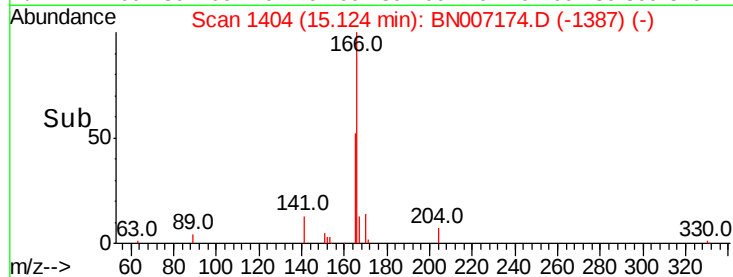
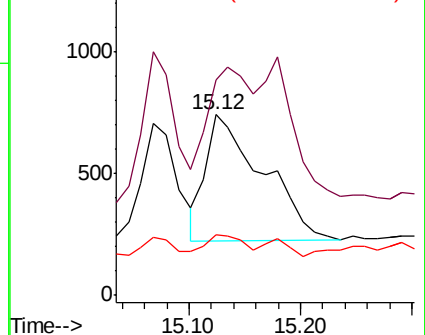
167 9.8 10.9 16.3#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

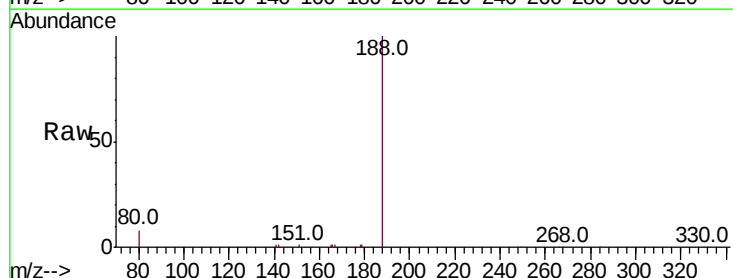
Tgt Ion:188 Resp: 35647

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

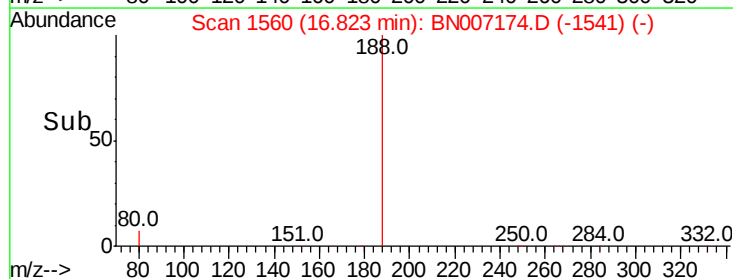
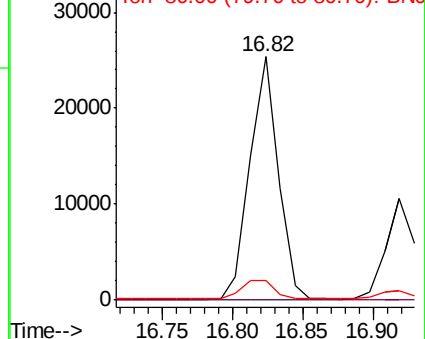
80 7.8 7.8 11.6

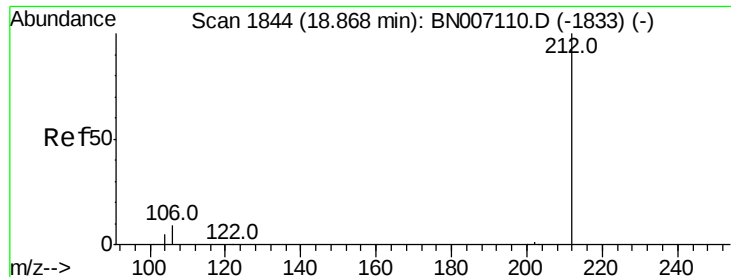


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#24

Fluoranthene-d10

Concen: 0.359 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

Instrument :

BNA_N

ClientSampleId :

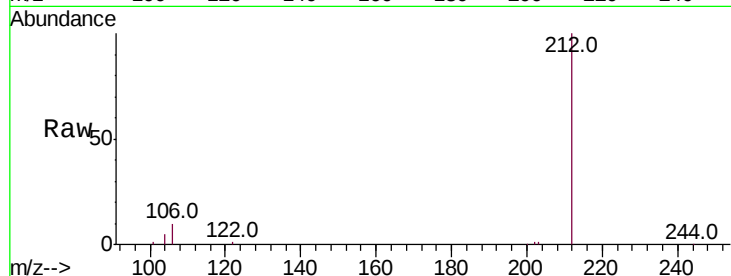
Tot Ion:212 Resp: 45331

Ion Ratio Lower Upper

212 100

106 10.4 8.2 12.2

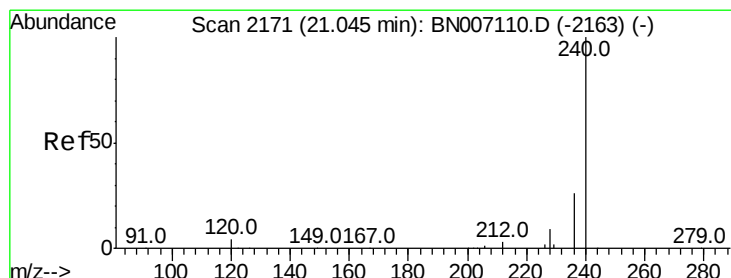
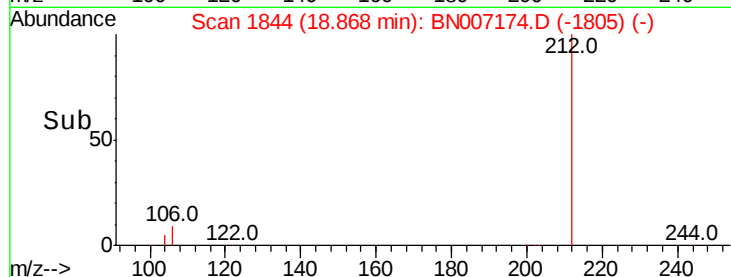
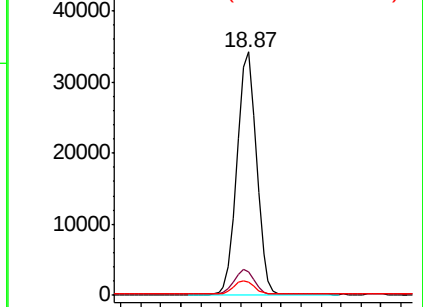
104 5.7 4.5 6.7



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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

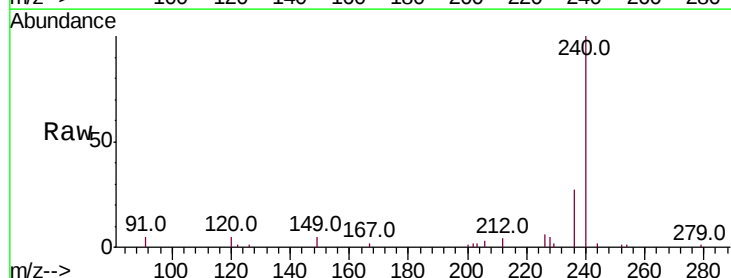
Tgt Ion:240 Resp: 35348

Ion Ratio Lower Upper

240 100

120 5.5 4.0 6.0

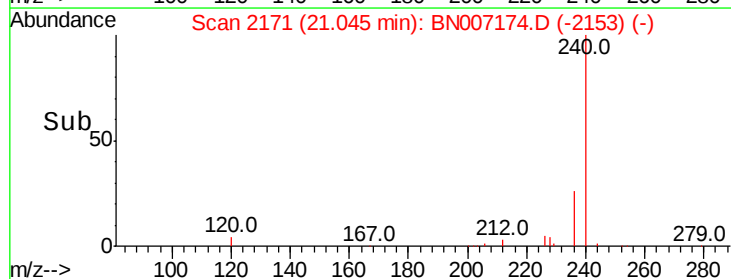
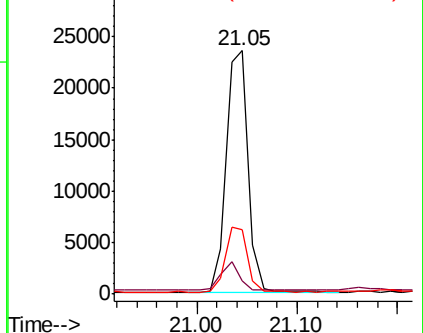
236 26.6 21.3 31.9

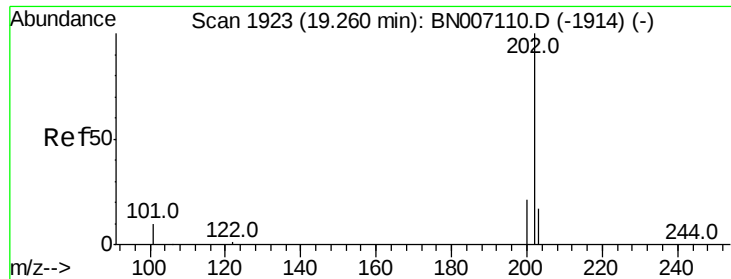


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

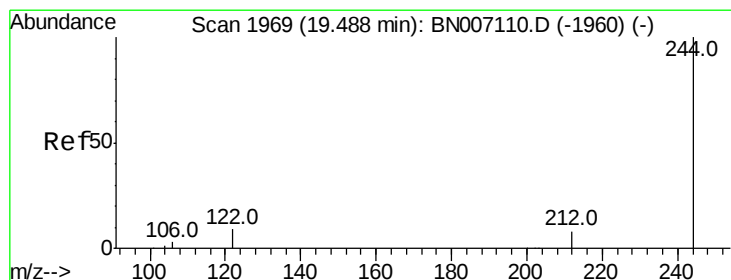
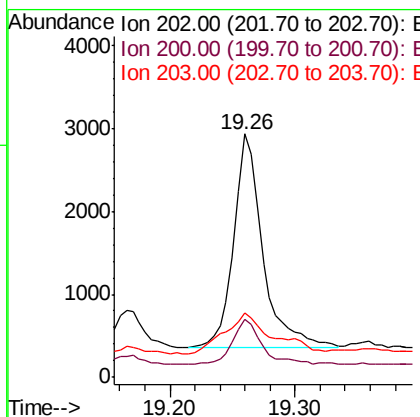
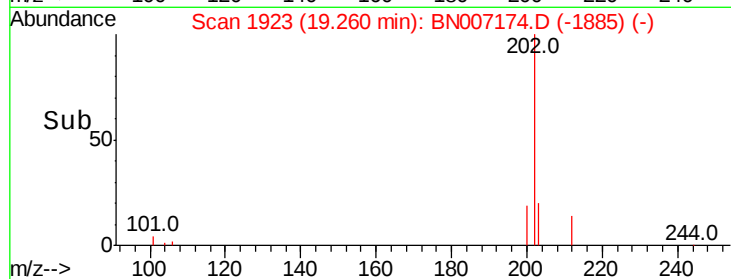
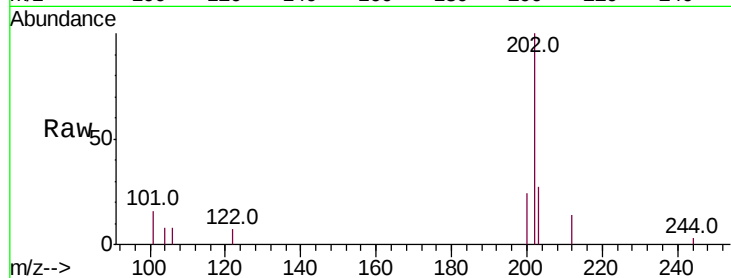




#27
Pvrene
Concen: 0.034 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007174.D
Acq: 14 Aug 2019 21:41

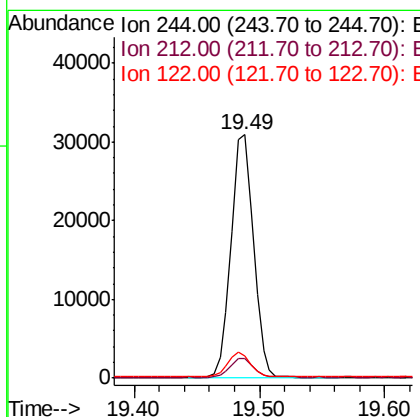
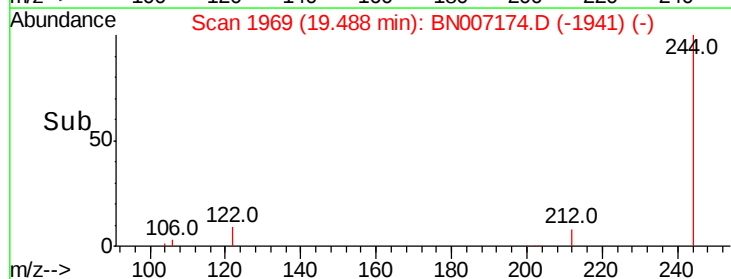
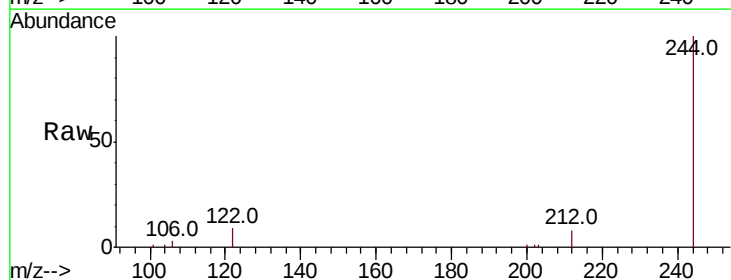
Instrument :
BNA_N
ClientSampleId :

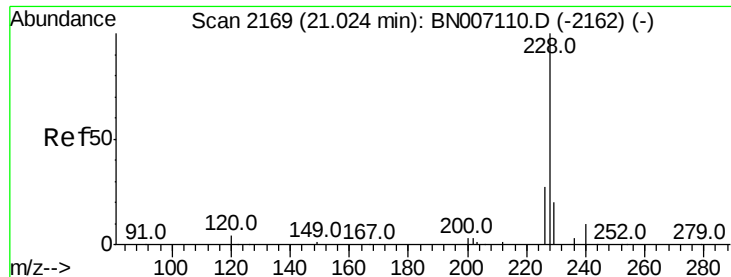
Tot Ion:202 Resp: 4166
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 31.8 14.0 21.0#



#28
Terphenyl-d14
Concen: 0.395 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007174.D
Acq: 14 Aug 2019 21:41

Tgt Ion:244 Resp: 38039
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.2
122 9.1 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.034 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

Instrument :

BNA_N

ClientSampleId :

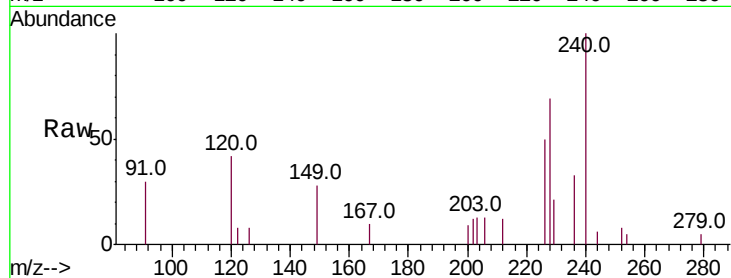
Tot Ion:228 Resp: 4430

Ion Ratio Lower Upper

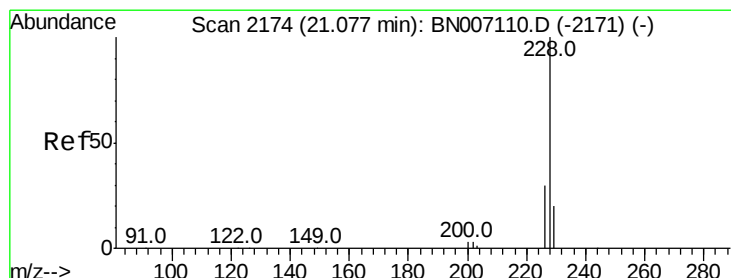
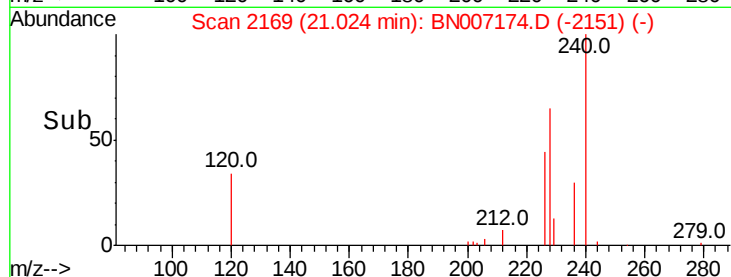
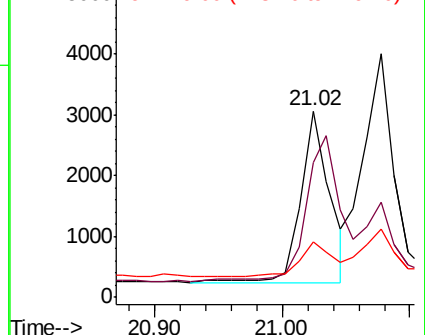
228 100

226 72.2 21.8 32.6#

229 30.0 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: 0.046 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

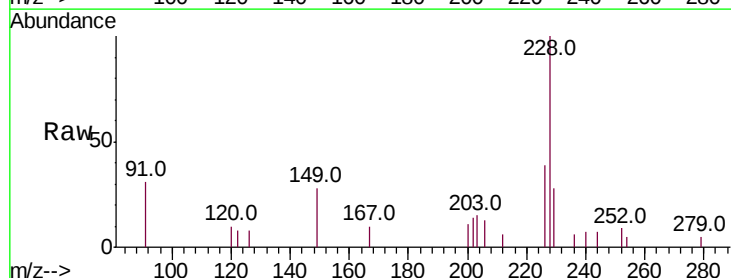
Tgt Ion:228 Resp: 5771

Ion Ratio Lower Upper

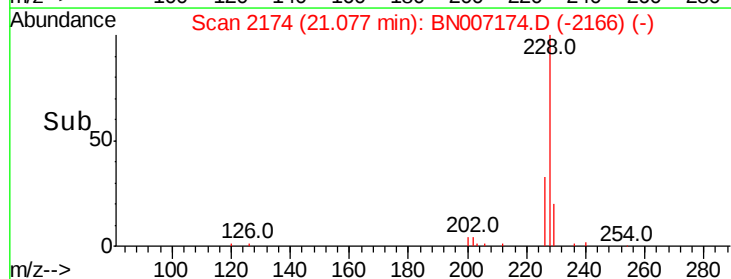
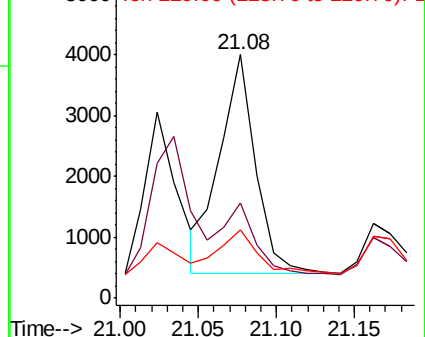
228 100

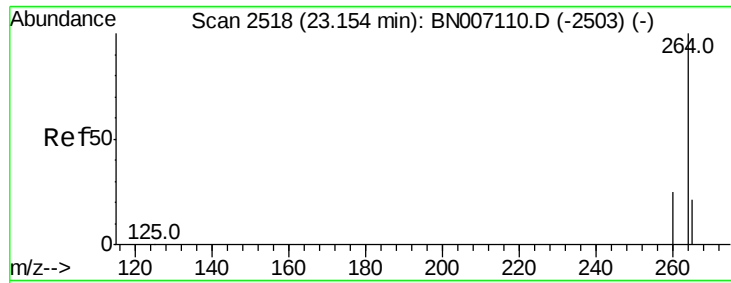
226 38.9 23.8 35.6#

229 27.8 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





#32

Pervlene-d12

Concen: 0.400 ng

RT: 23.15 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

Instrument :

BNA_N

ClientSampleId :

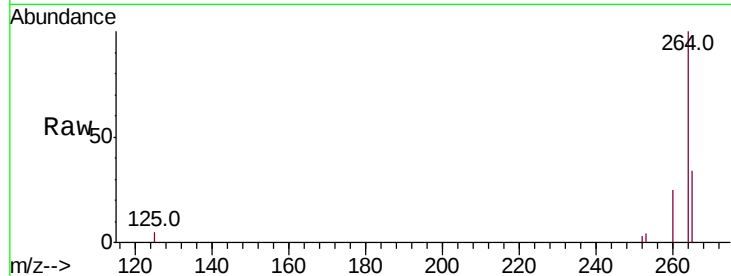
Tot Ion:264 Resp: 40243

Ion Ratio Lower Upper

264 100

260 25.0 19.8 29.8

265 33.9 26.2 39.4

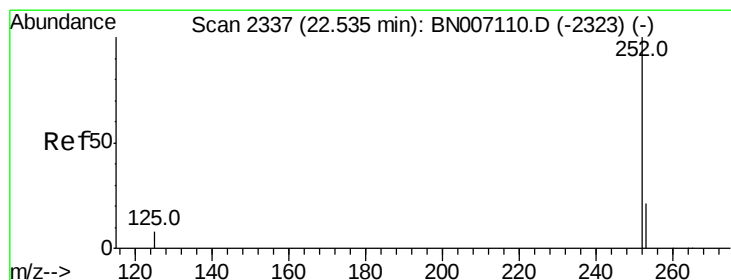
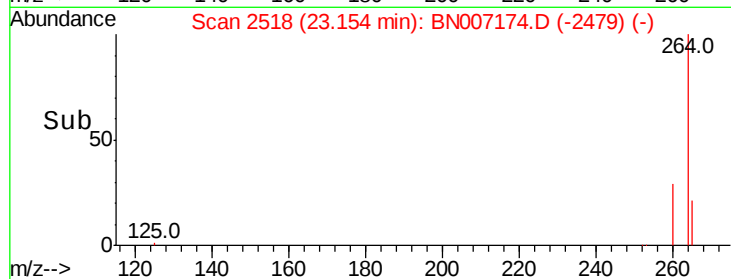
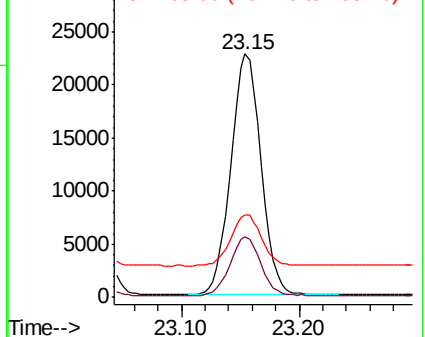


Abundance

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: 0.022 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BN007174.D

Acq: 14 Aug 2019 21:41

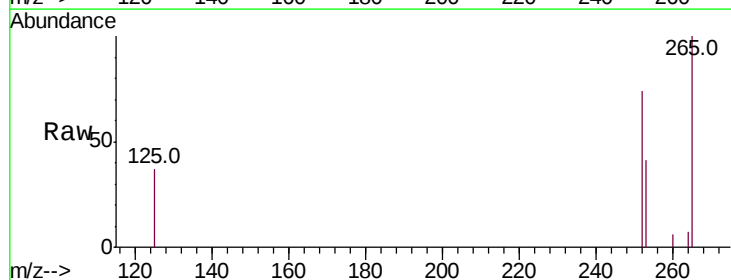
Tgt Ion:252 Resp: 3068

Ion Ratio Lower Upper

252 100

253 55.4 18.2 27.2#

125 50.8 7.4 11.0#

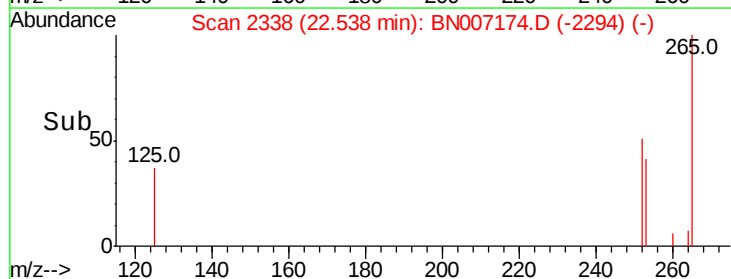
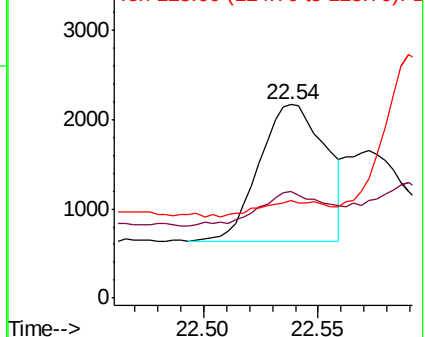


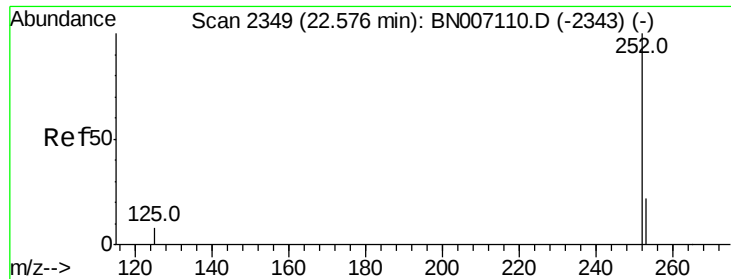
Abundance

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: 0.023 ng
 RT: 22.54 min Scan# 2338
 Delta R.T. -0.05 min
 Lab File: BN007174.D
 Acq: 14 Aug 2019 21:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 252 Resp: 3068
 Ion Ratio Lower Upper
 252 100
 253 55.4 18.1 27.1#
 125 50.8 7.4 11.0#

