

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081419\
 Data File : BN007173.D
 Acq On : 14 Aug 2019 21:05
 Operator : HP/JU
 Sample : PB122208BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 15 11:03:44 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	8270	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	30015	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	15573	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	33768	0.40	ng	0.00
26) Chrysene-d12	21.05	240	30291	0.40	ng	-0.01
32) Perylene-d12	23.16	264	35390	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	7320	0.37	ng	0.00
4) Phenol-d6	6.61	99	9663	0.39	ng	0.00
7) Nitrobenzene-d5	8.55	82	8033	0.33	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	17133	0.31	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1552	0.19	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3016	0.13	ng	0.00
24) Fluoranthene-d10	18.87	212	35947	0.30	ng	0.00
28) Terphenyl-d14	19.49	244	27706	0.34	ng	-0.01

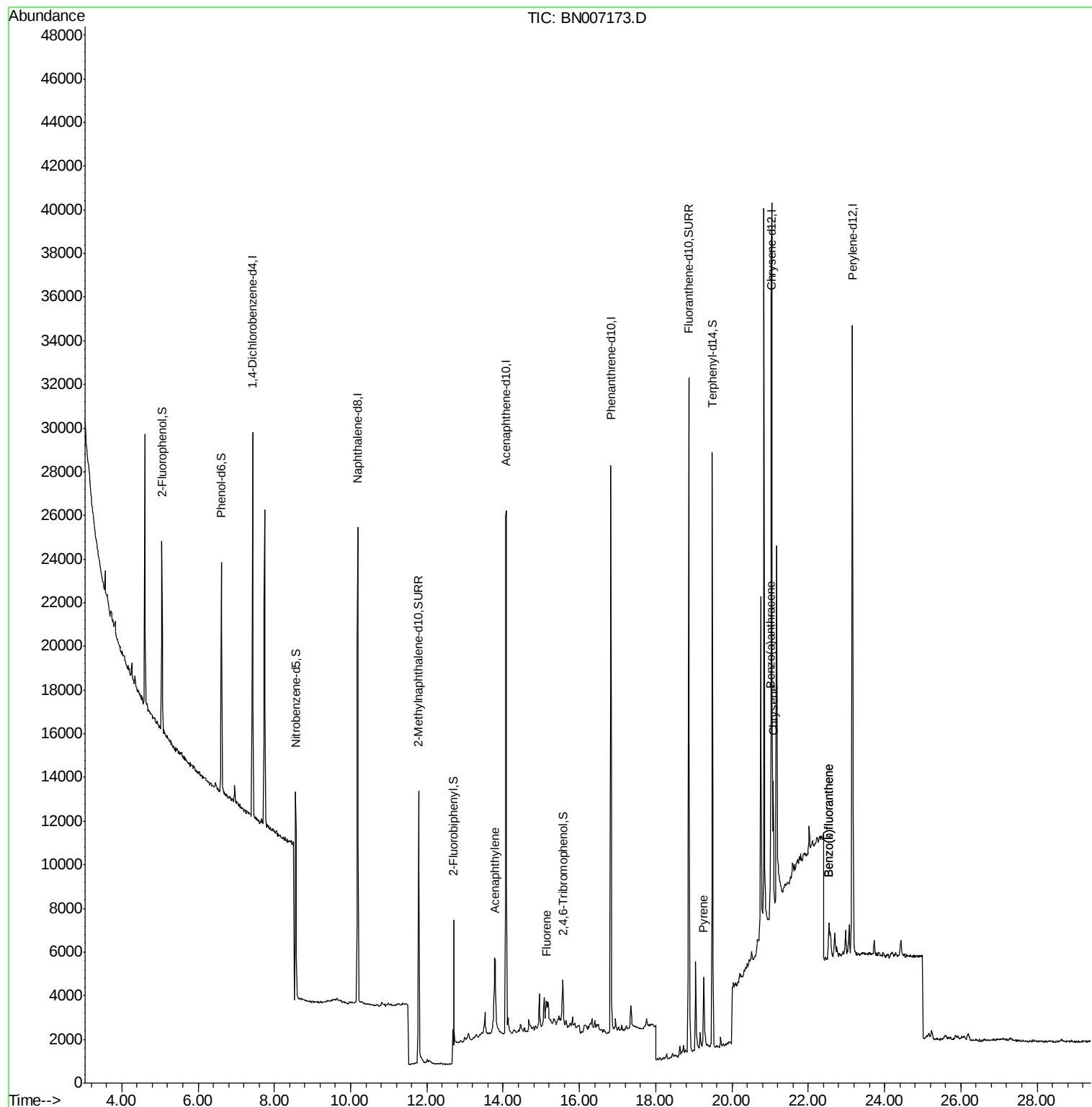
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.78	152	10087	0.124	ng	97
17) Fluorene	15.13	166	1720	0.022	ng	# 59
27) Pyrene	19.26	202	3814	0.036	ng	# 94
29) Benzo(a)anthracene	21.02	228	3965	0.036	ng	# 49
30) Chrysene	21.08	228	5640	0.052	ng	# 84
33) Benzo(b)fluoranthene	22.54	252	3191	0.026	ng	# 18
34) Benzo(k)fluoranthene	22.54	252	3191	0.027	ng	# 17

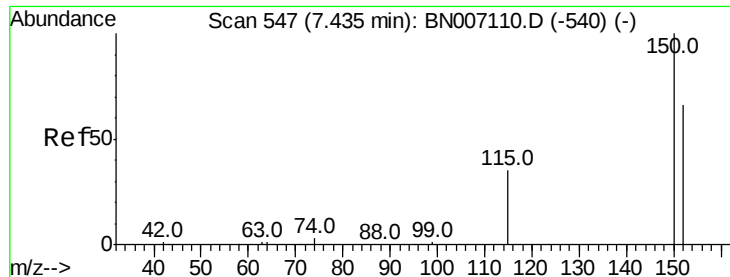
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN007173.D

Acq: 14 Aug 2019 21:05

Instrument :

BNA_N

ClientSampleId :

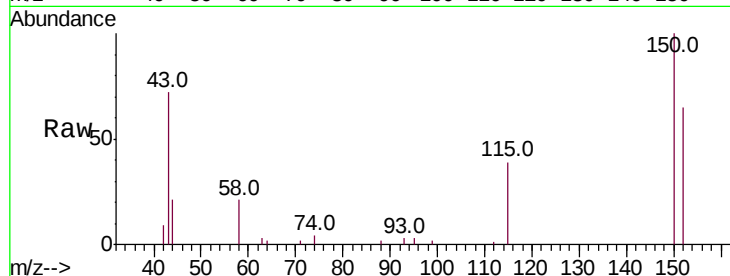
Tot Ion:152 Resp: 8270

Ion Ratio Lower Upper

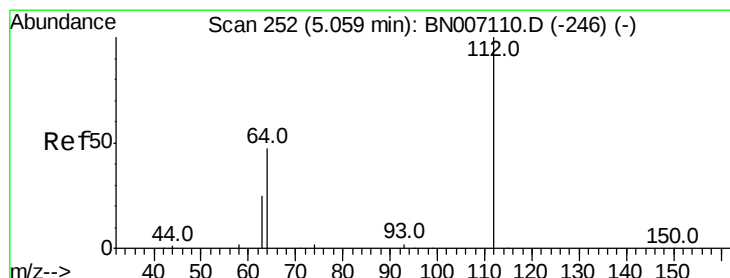
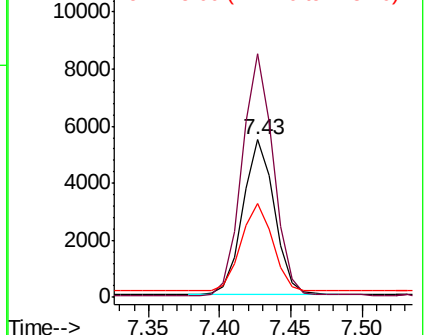
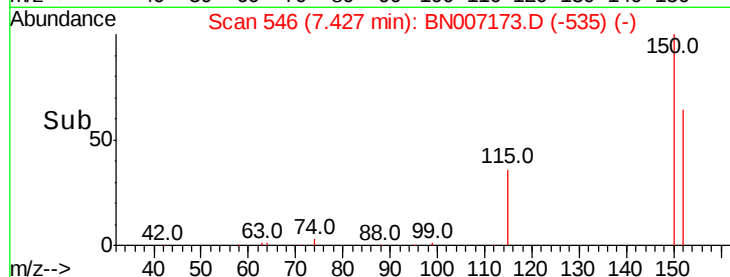
152 100

150 154.4 121.7 182.5

115 59.6 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: 0.368 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

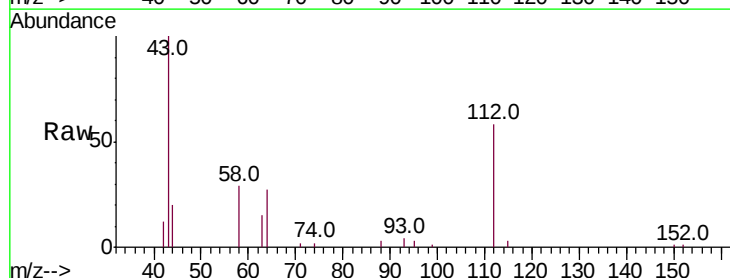
Tgt Ion:112 Resp: 7320

Ion Ratio Lower Upper

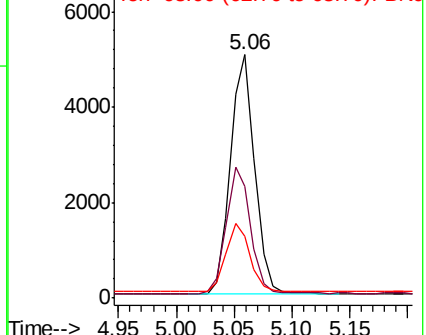
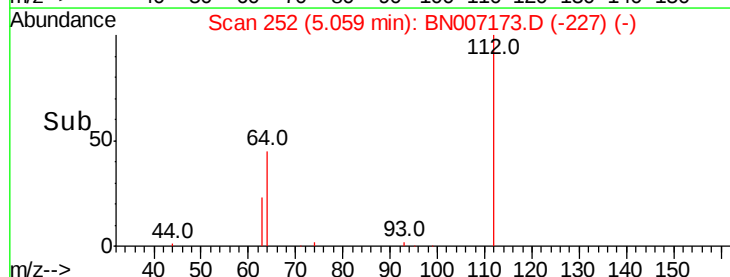
112 100

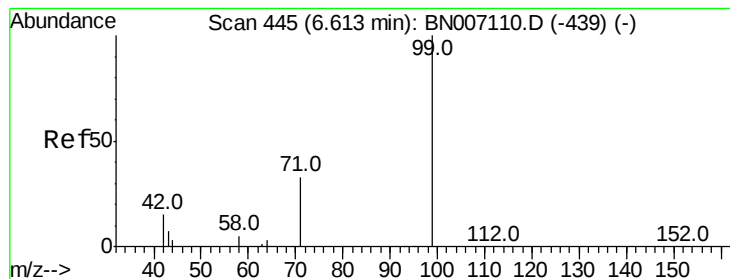
64 52.7 42.6 63.8

63 28.3 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: 0.393 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

Instrument :

BNA_N

ClientSampleId :

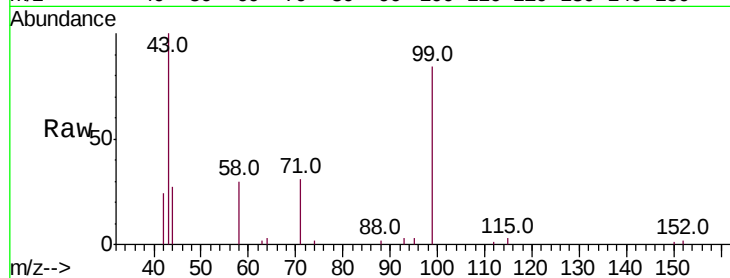
Tot Ion: 99 Resp: 9663

Ion Ratio Lower Upper

99 100

42 18.6 15.8 23.6

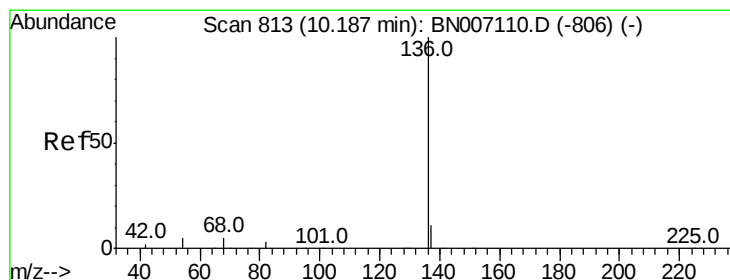
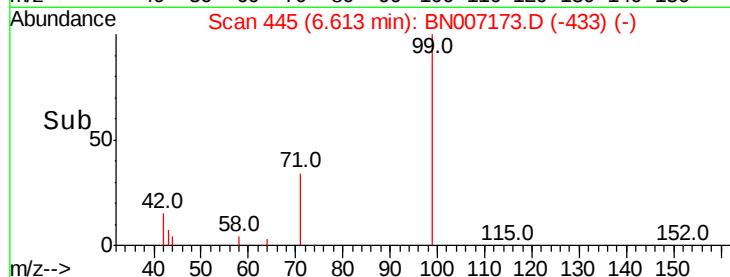
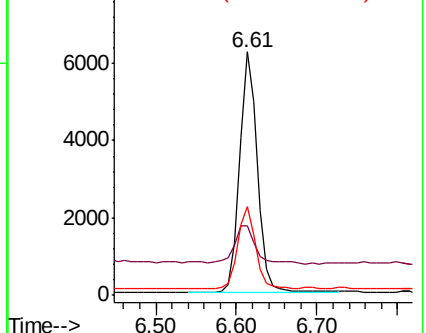
71 34.2 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BN007173.D (-797) (-)

Ion 42.00 (41.70 to 42.70): BN007173.D (-797) (-)

Ion 71.00 (70.70 to 71.70): BN007173.D (-797) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

Tgt Ion: 136 Resp: 30015

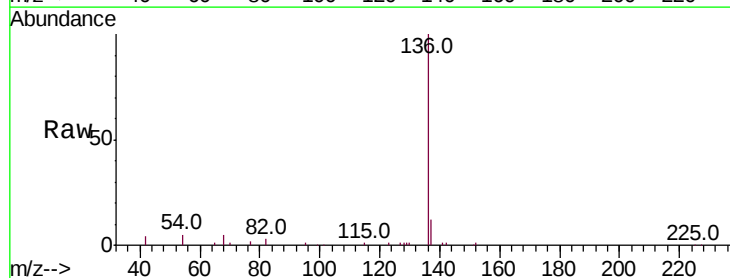
Ion Ratio Lower Upper

136 100

137 11.5 9.4 14.0

54 4.9 6.6 9.8#

68 4.8 6.0 9.0#

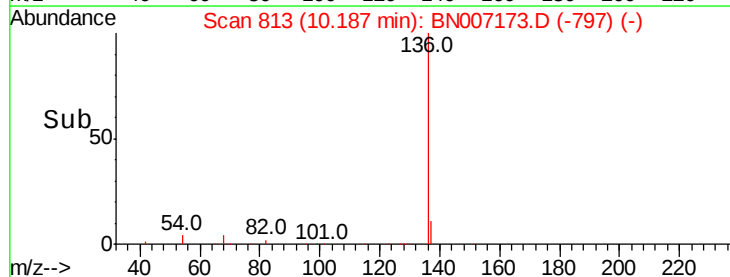
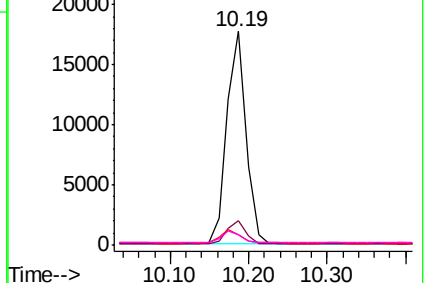


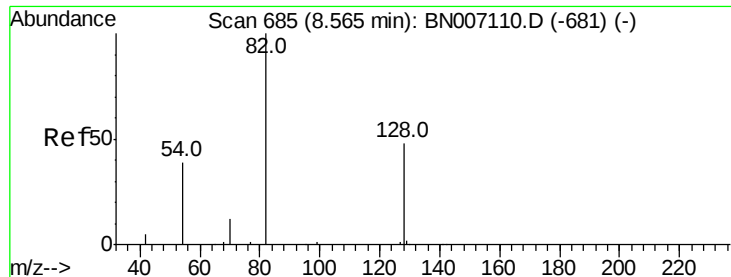
Abundance Ion 136.00 (135.70 to 136.70): BN007173.D (-797) (-)

Ion 137.00 (136.70 to 137.70): BN007173.D (-797) (-)

Ion 54.00 (53.70 to 54.70): BN007173.D (-797) (-)

Ion 68.00 (67.70 to 68.70): BN007173.D (-797) (-)





#7

Nitrobenzene-d5

Concen: 0.332 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

Instrument :

BNA_N

ClientSampleId :

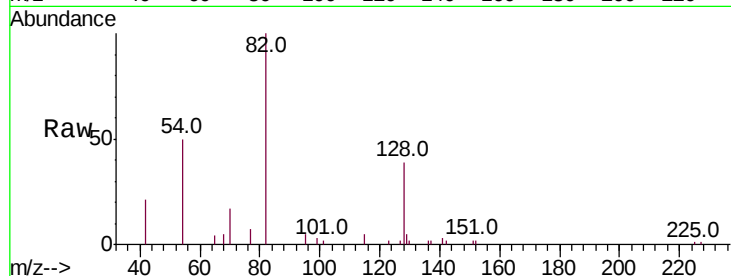
Tot Ion: 82 Resp: 8033

Ion Ratio Lower Upper

82 100

128 38.8 34.6 51.8

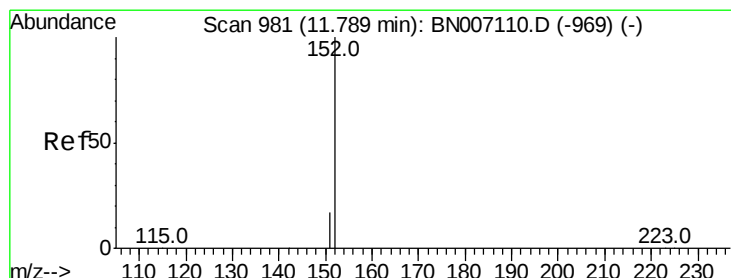
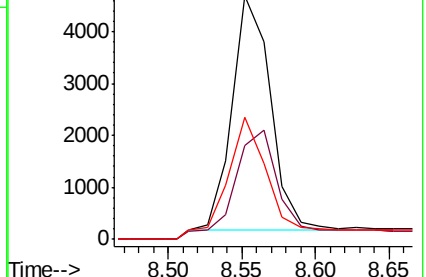
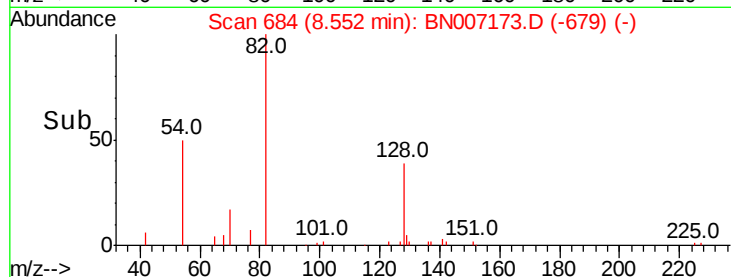
54 50.3 36.2 54.4



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: 0.306 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007173.D

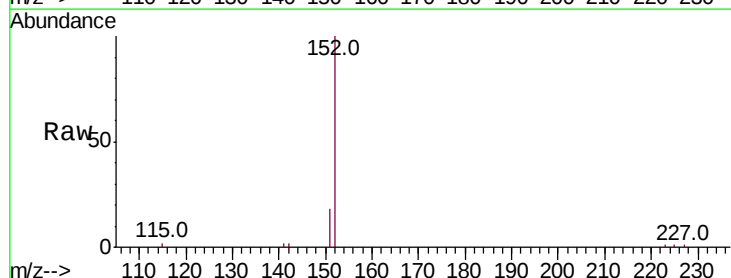
Acq: 14 Aug 2019 21:05

Tgt Ion: 152 Resp: 17133

Ion Ratio Lower Upper

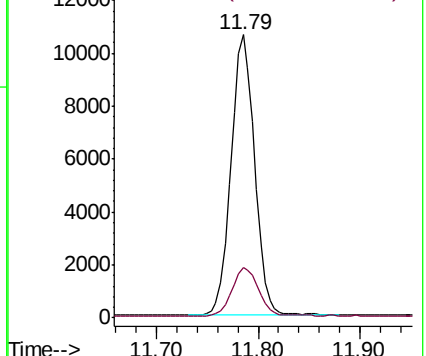
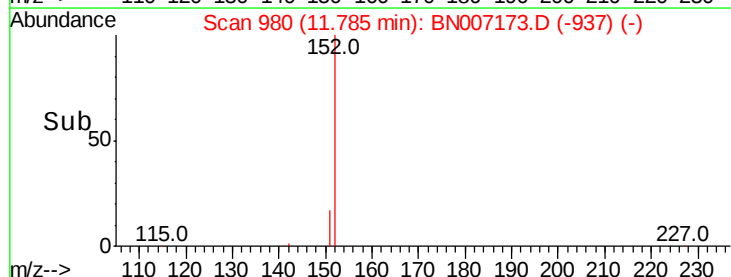
152 100

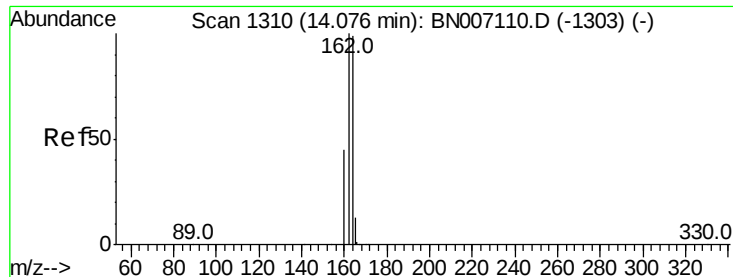
151 19.2 15.5 23.3



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: BN007173.D

Acq: 14 Aug 2019 21:05

Instrument :

BNA_N

ClientSampleId :

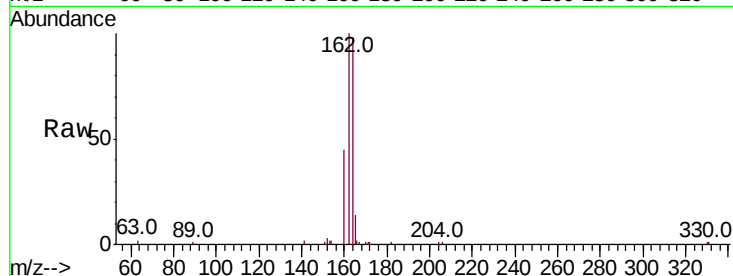
Tot Ion:164 Resp: 15573

Ion Ratio Lower Upper

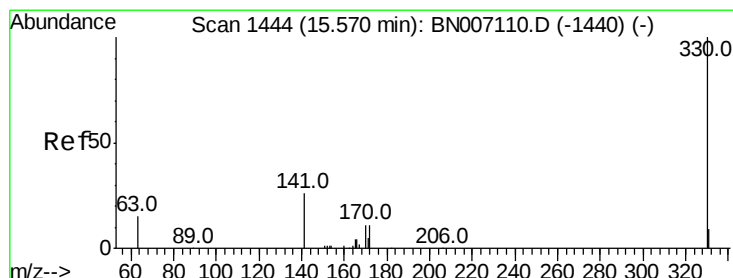
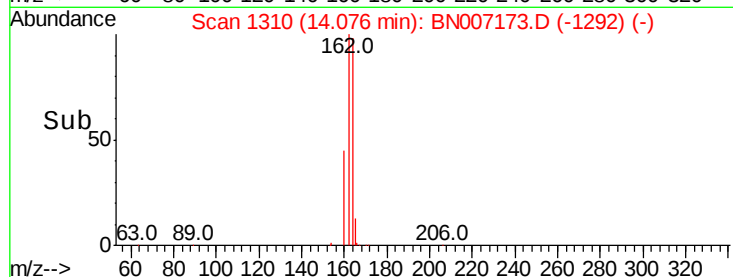
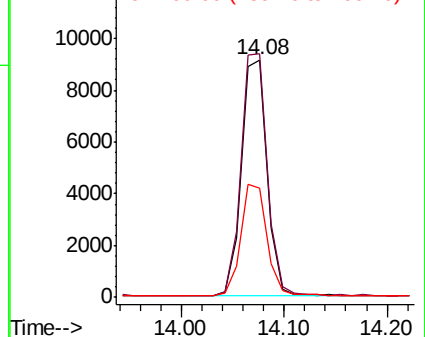
164 100

162 102.4 82.2 123.4

160 46.1 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: 0.185 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

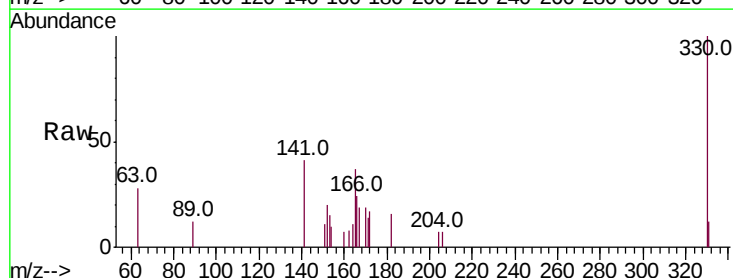
Tgt Ion:330 Resp: 1552

Ion Ratio Lower Upper

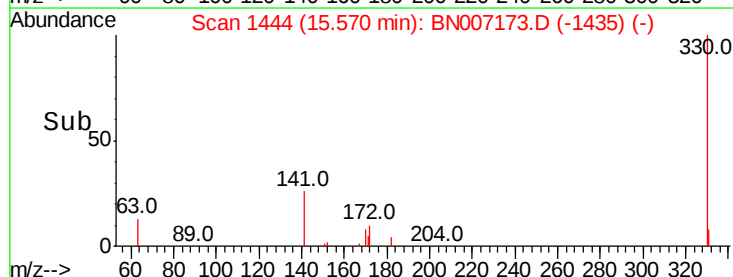
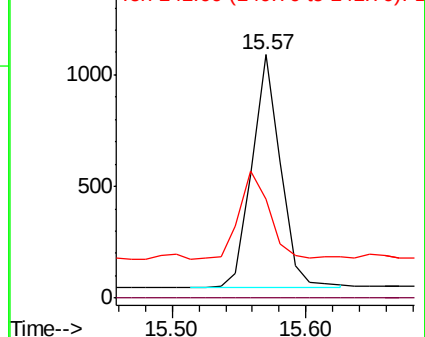
330 100

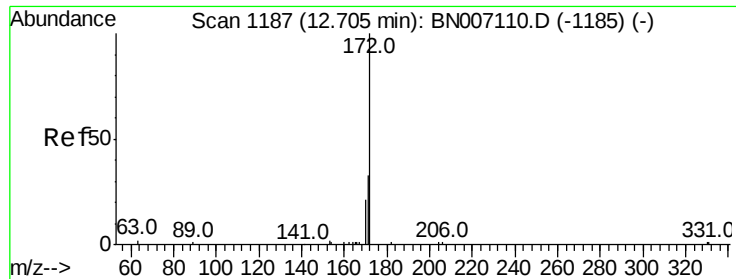
332 0.0 0.0 0.0

141 39.2 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

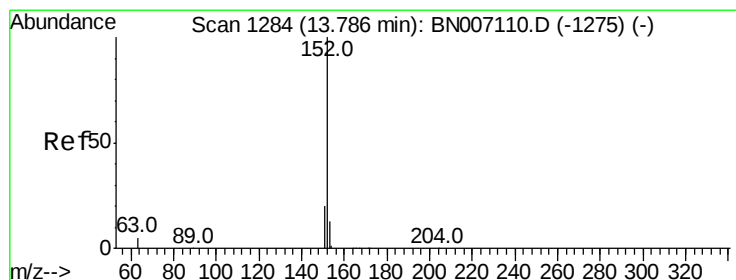
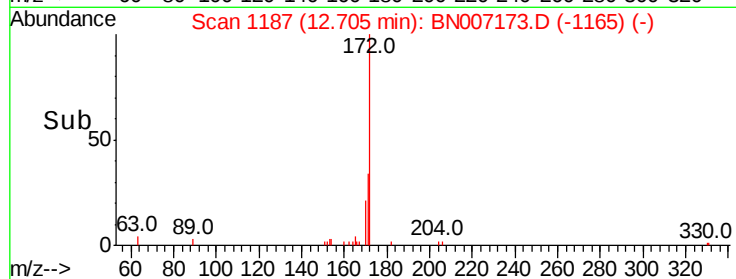
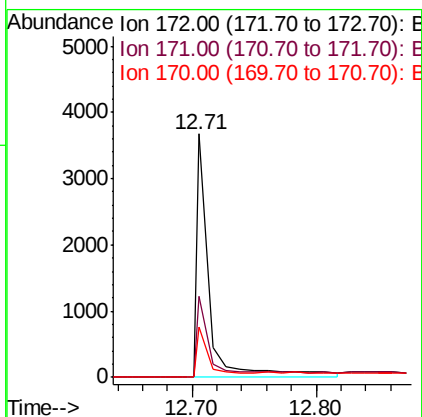
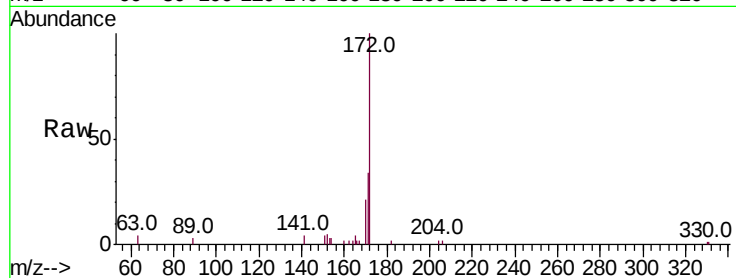




#14
2-Fluorobiphenyl
Concen: 0.133 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007173.D
Acq: 14 Aug 2019 21:05

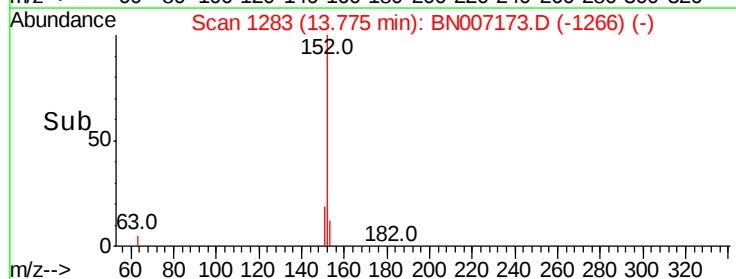
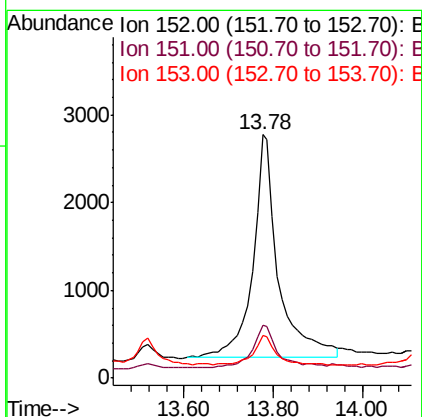
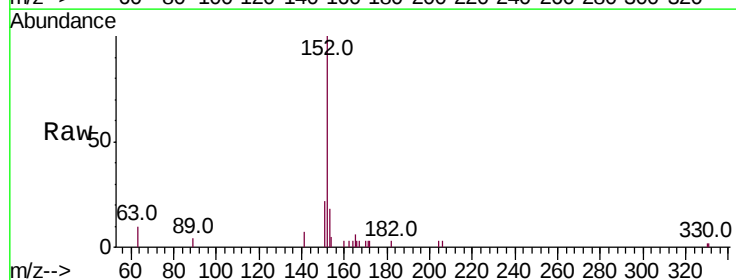
Instrument :
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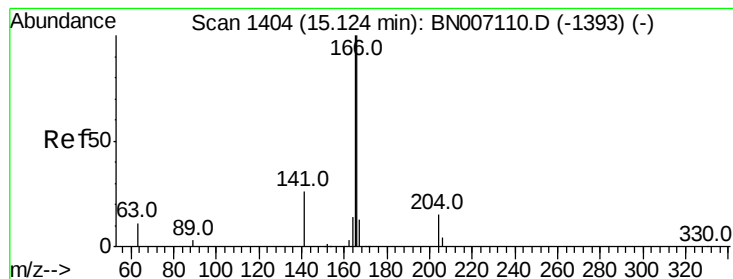
Tot Ion:172 Resp: 3016
Ion Ratio Lower Upper
172 100
171 33.5 26.3 39.5
170 20.8 17.0 25.4



#15
Acenaphthylene
Concen: 0.124 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007173.D
Acq: 14 Aug 2019 21:05

Tgt Ion:152 Resp: 10087
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 10.5 10.4 15.6





#17

Fluorene

Concen: 0.022 ng

RT: 15.13 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

Instrument :

BNA_N

ClientSampleId :

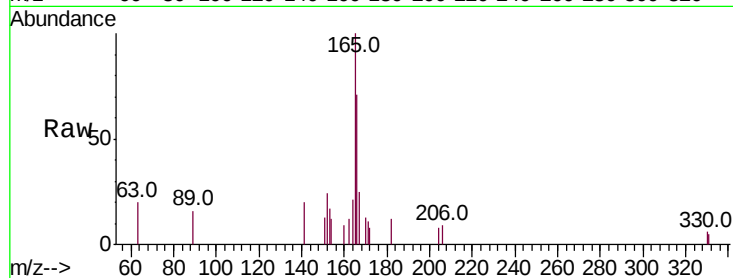
Tot Ion:166 Resp: 1720

Ion Ratio Lower Upper

166 100

165 52.2 77.9 116.9#

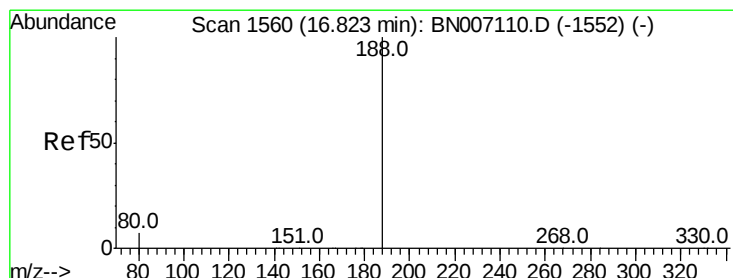
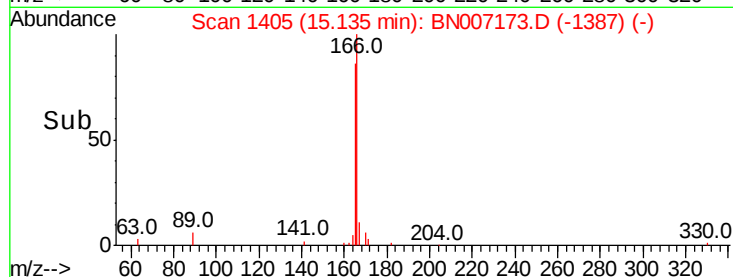
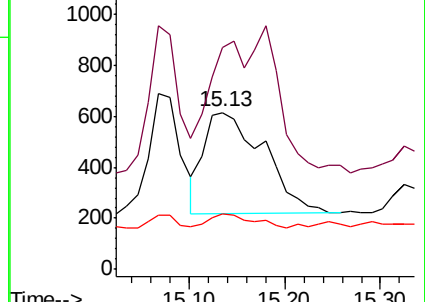
167 12.4 10.9 16.3



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: BN007173.D

Acq: 14 Aug 2019 21:05

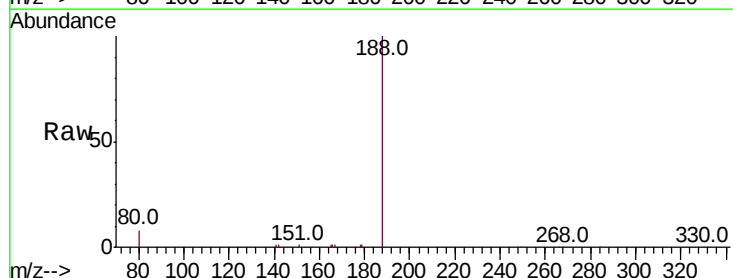
Tgt Ion:188 Resp: 33768

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

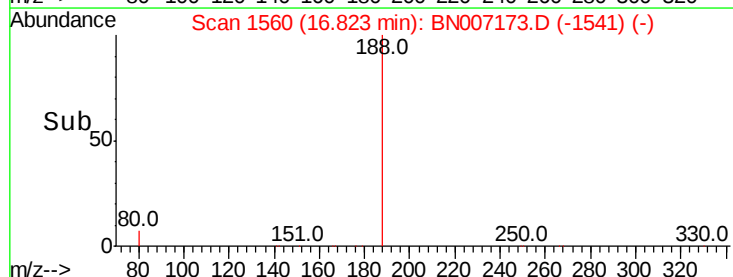
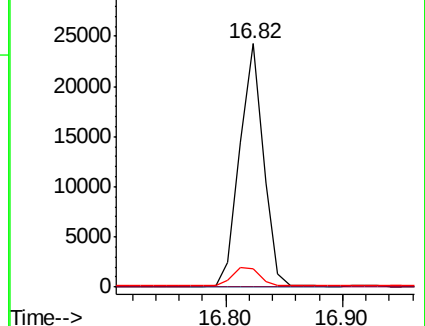
80 7.5 7.8 11.6#

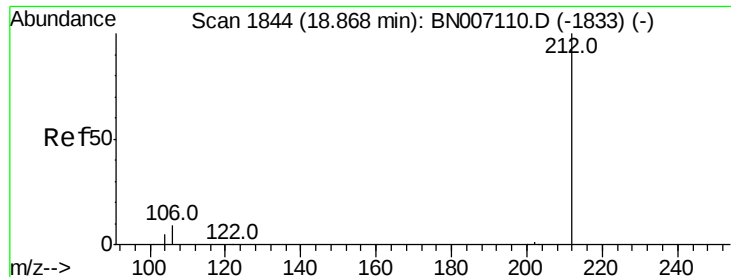


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#24

Fluoranthene-d10

Concen: 0.300 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007173.D

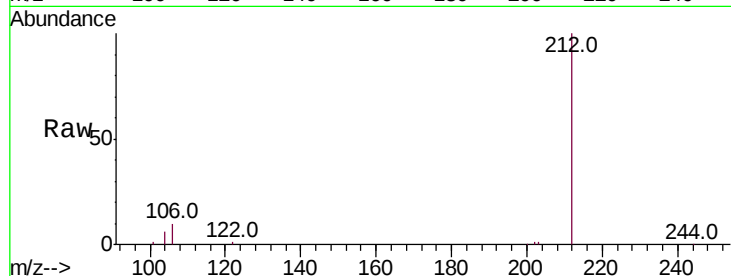
Acq: 14 Aug 2019 21:05

Instrument :

BNA_N

ClientSampleId :

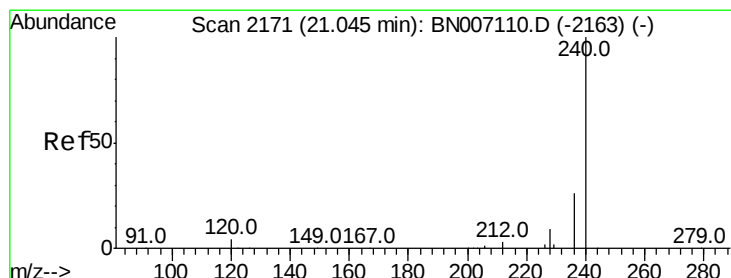
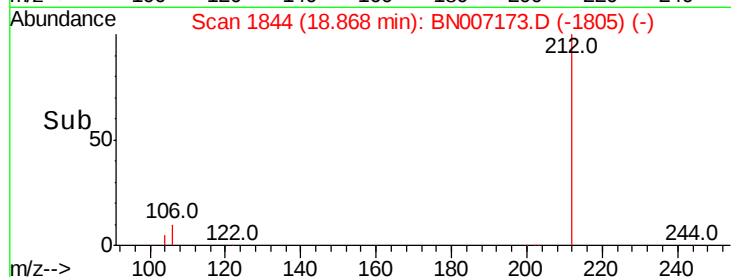
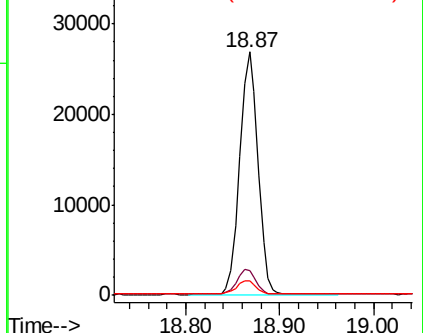
Tot Ion:212	Resp:	35947
Ion Ratio	Lower	Upper
212 100		
106 10.3	8.2	12.2
104 5.8	4.5	6.7



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

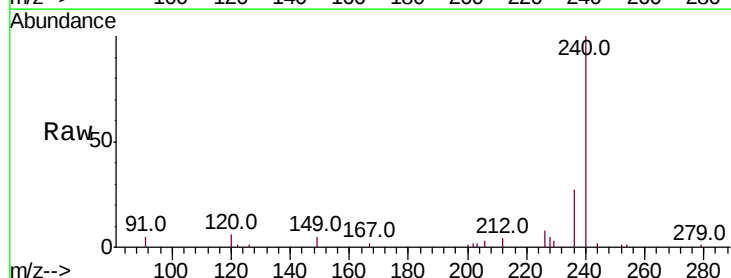
RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

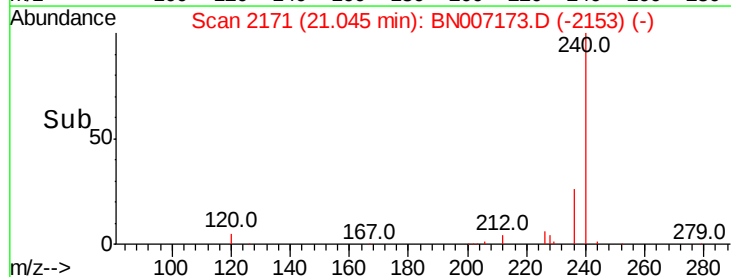
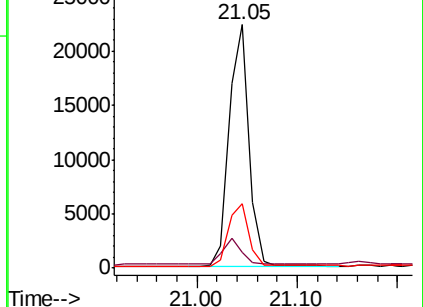
Tgt Ion:240	Resp:	30291
Ion Ratio	Lower	Upper
240 100		
120 6.3	4.0	6.0#
236 26.6	21.3	31.9

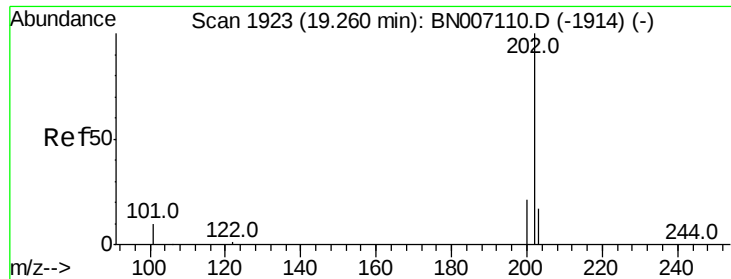


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

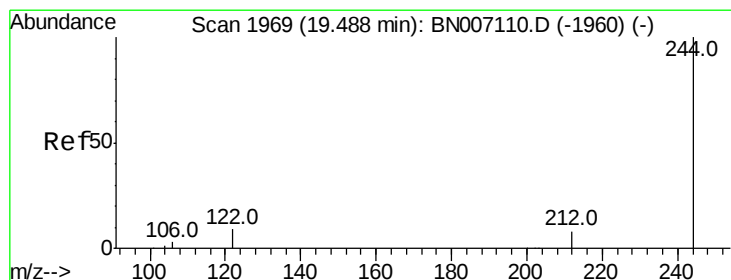
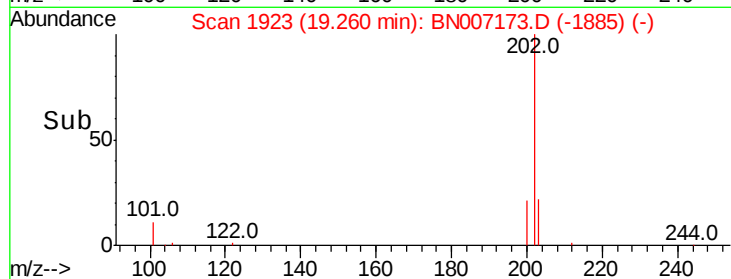
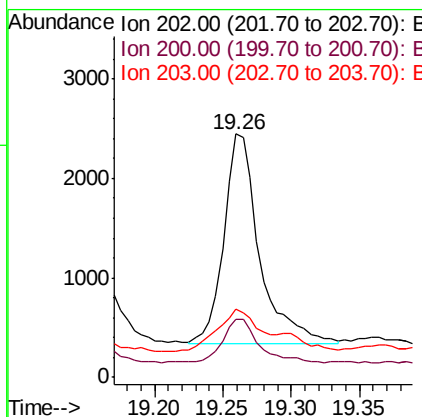
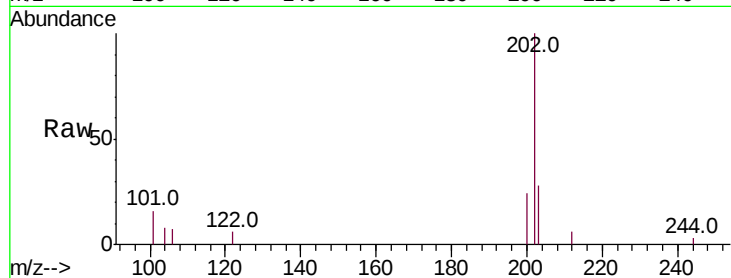




#27
Pvrene
Concen: 0.036 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007173.D
Acq: 14 Aug 2019 21:05

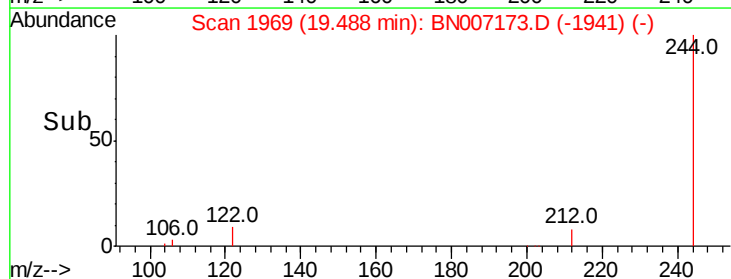
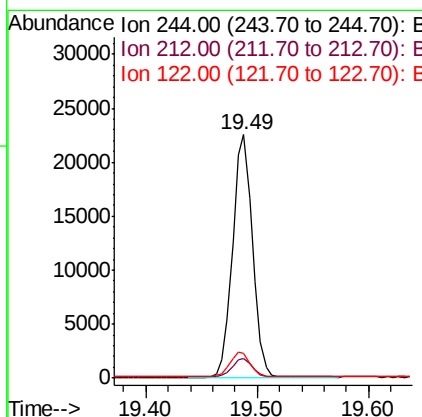
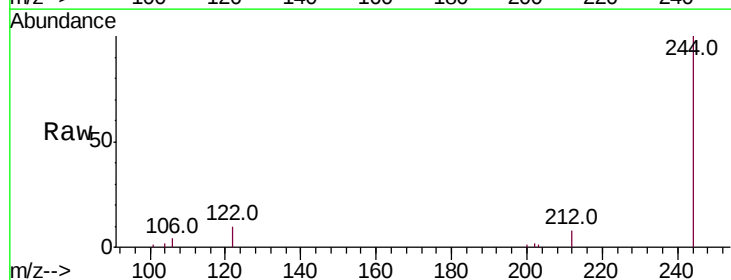
Instrument :
BNA_N
ClientSampleId :

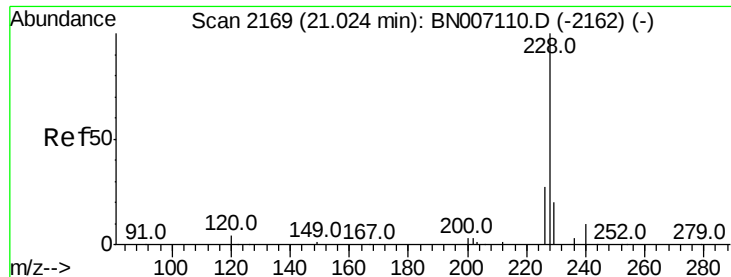
Tot Ion:202 Resp: 3814
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 22.7 14.0 21.0#



#28
Terphenyl-d14
Concen: 0.336 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007173.D
Acq: 14 Aug 2019 21:05

Tgt Ion:244 Resp: 27706
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 10.0 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.036 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

Instrument :

BNA_N

ClientSampleId :

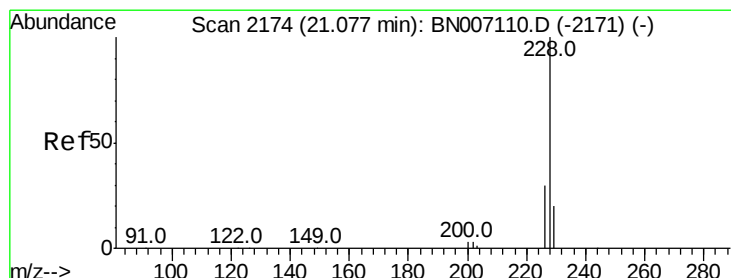
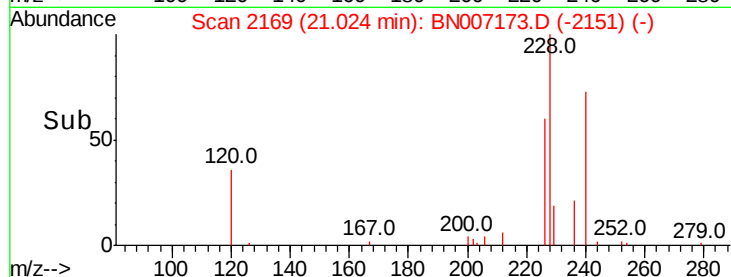
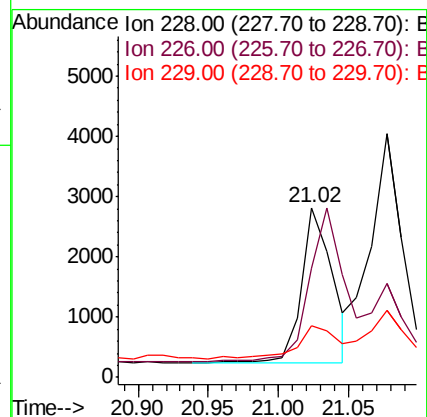
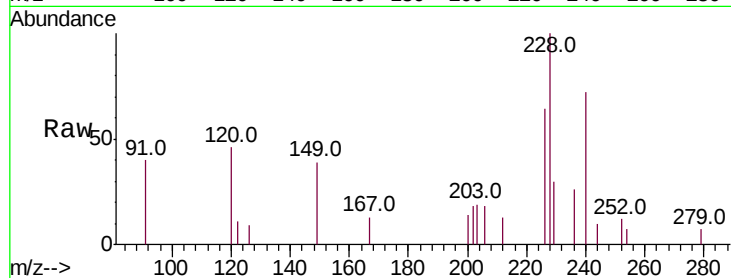
Tot Ion:228 Resp: 3965

Ion Ratio Lower Upper

228 100

226 64.4 21.8 32.6#

229 30.1 15.6 23.4#



#30

Chrysene

Concen: 0.052 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

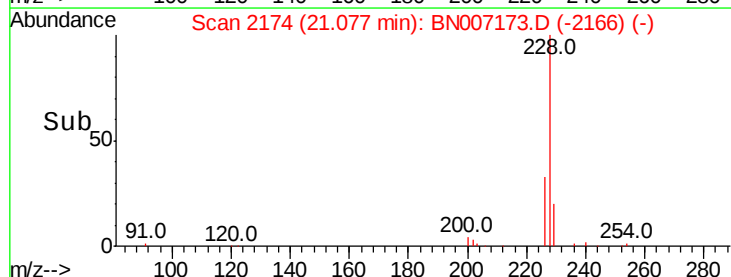
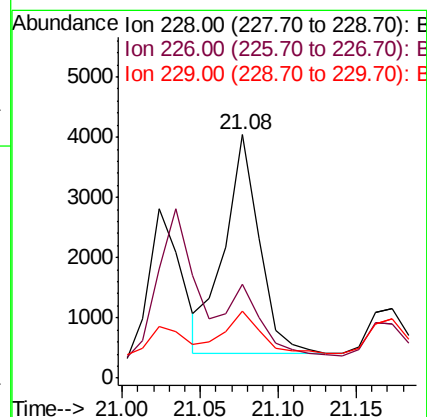
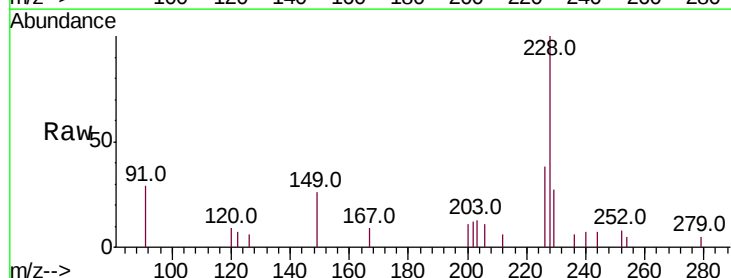
Tgt Ion:228 Resp: 5640

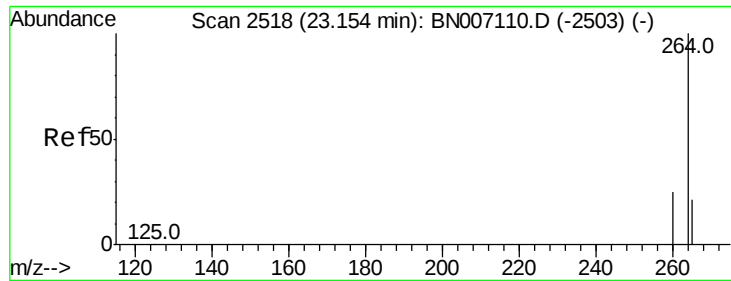
Ion Ratio Lower Upper

228 100

226 38.3 23.8 35.6#

229 27.4 15.7 23.5#

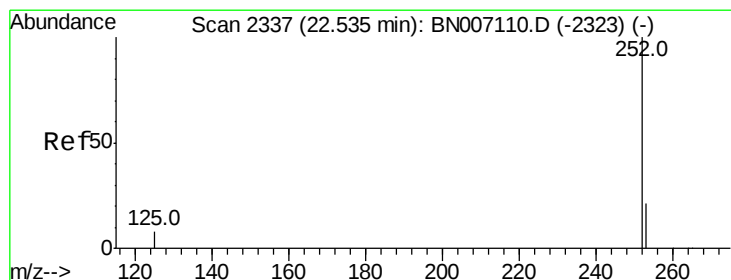
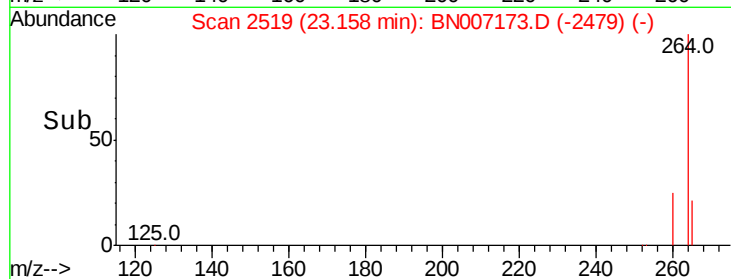
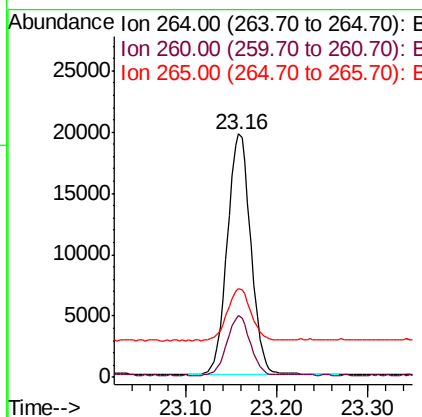
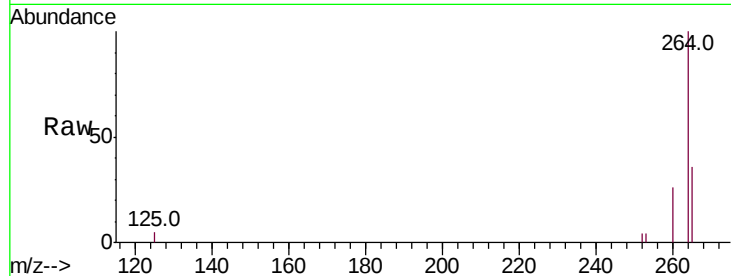




#32
Pervlene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007173.D
Acq: 14 Aug 2019 21:05

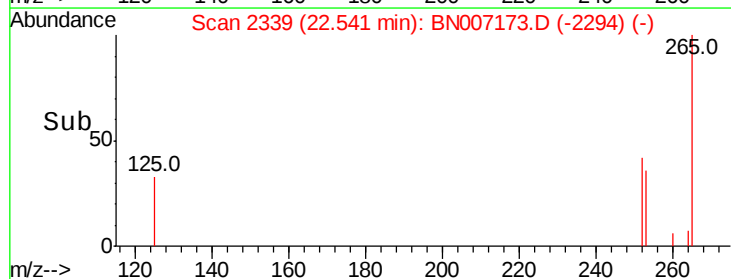
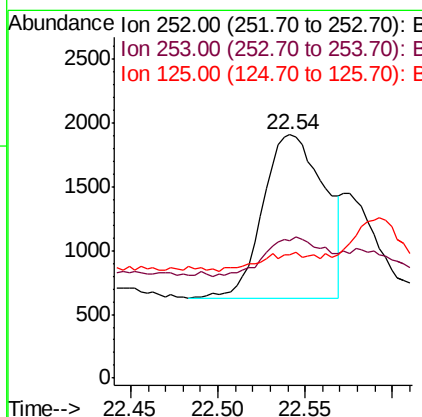
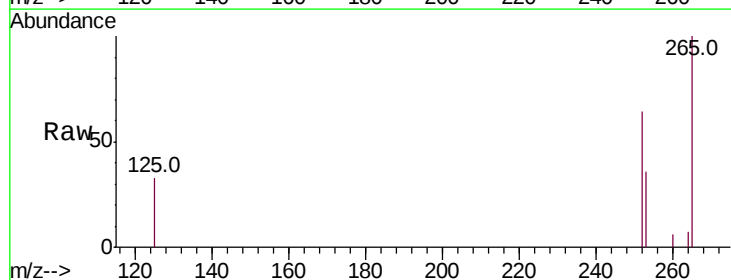
Instrument :
BNA_N
ClientSampleId :

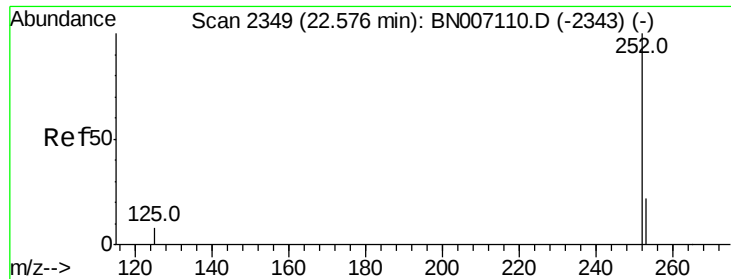
Tot Ion:264 Resp: 35390
Ion Ratio Lower Upper
264 100
260 25.5 19.8 29.8
265 36.4 26.2 39.4



#33
Benzo(b)fluoranthene
Concen: 0.026 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007173.D
Acq: 14 Aug 2019 21:05

Tgt Ion:252 Resp: 3191
Ion Ratio Lower Upper
252 100
253 56.3 18.2 27.2#
125 50.7 7.4 11.0#





#34

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 22.54 min Scan# 2339

Delta R.T. -0.05 min

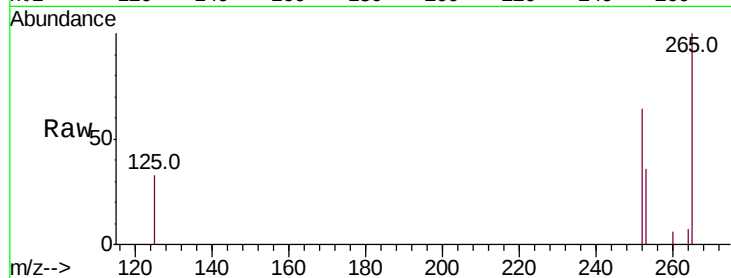
Lab File: BN007173.D

Acq: 14 Aug 2019 21:05

Instrument :

BNA_N

ClientSampleId :



Tot Ion:252 Resp: 3191

Ion Ratio Lower Upper

252 100

253 56.3 18.1 27.1#

125 50.7 7.4 11.0#

