

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091119\
 Data File : BN007596.D
 Acq On : 11 Sep 2019 20:02
 Operator : HP/JU
 Sample : PB122882BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 12 06:40:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 11 14:14:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	6831	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	26789	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	15560	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	32716	0.40	ng	0.00
27) Chrysene-d12	21.27	240	34066	0.40	ng	-0.02
34) Perylene-d12	23.50	264	36147	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.34	112	8381	0.40	ng	0.00
5) Phenol-d6	6.90	99	10881	0.39	ng	0.00
8) Nitrobenzene-d5	8.86	82	8981	0.55	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	19116	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2261	0.38	ng	0.00
15) 2-Fluorobiphenyl	12.97	172	26582	0.41	ng	0.00
25) Fluoranthene-d10	19.12	212	44748	0.42	ng	0.00
29) Terphenyl-d14	19.73	244	37637	0.42	ng	-0.01

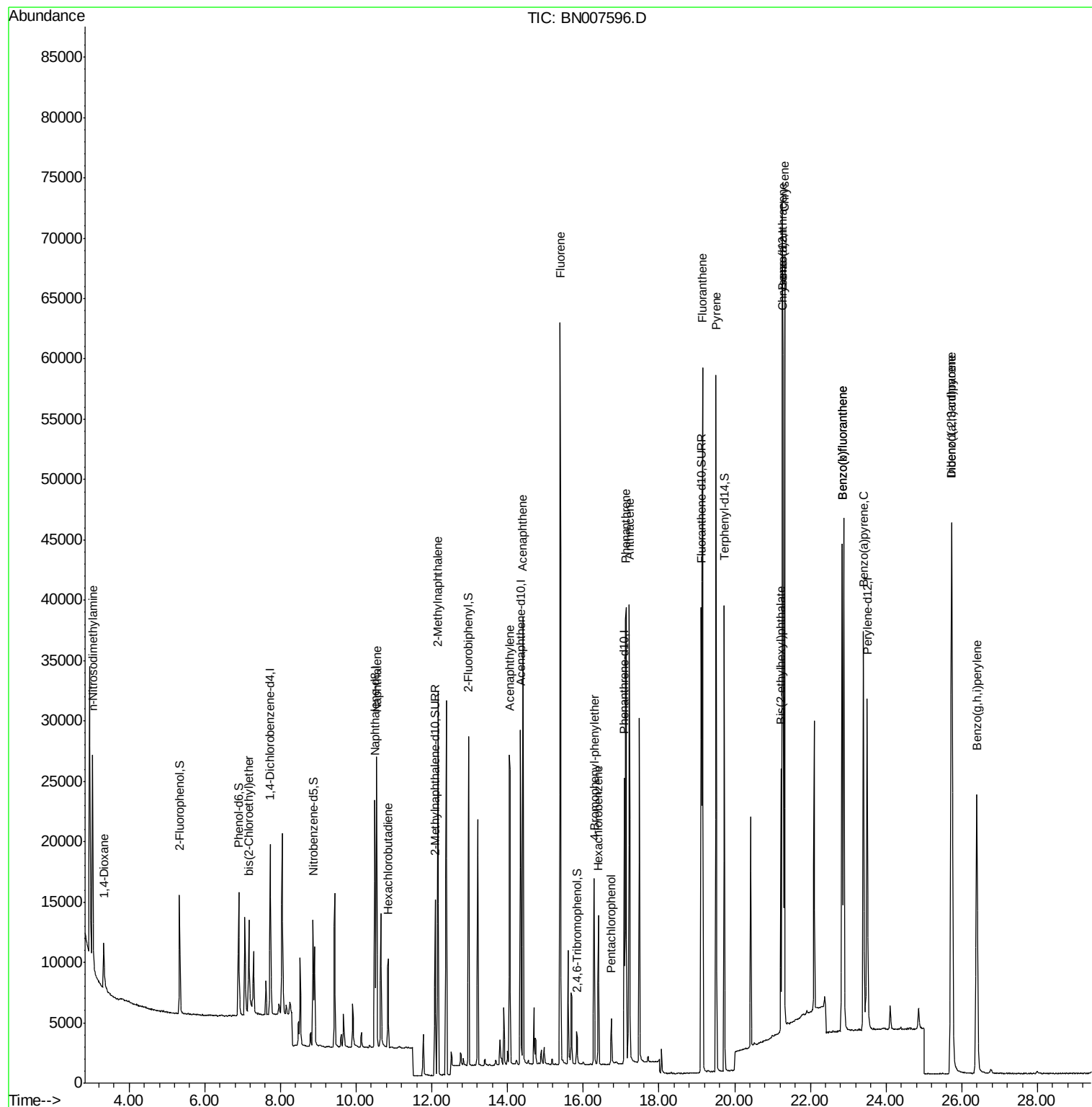
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	3170	0.492	ng	91
3) n-Nitrosodimethylamine	3.03	42	2250	0.551	ng	# 100
6) bis(2-Chloroethyl)ether	7.16	93	7896	0.588	ng	# 84
9) Naphthalene	10.54	128	32368	0.430	ng	99
10) Hexachlorobutadiene	10.85	225	6671	0.442	ng	# 99
12) 2-Methylnaphthalene	12.16	142	21878	0.414	ng	99
16) Acenaphthylene	14.05	152	31401	0.376	ng	100
17) Acenaphthene	14.40	154	20565	0.390	ng	100
18) Fluorene	15.39	166	26334	0.379	ng	100
20) 4-Bromophenyl-phenylether	16.29	248	8574	0.443	ng	# 90
21) Hexachlorobenzene	16.40	284	9105	0.447	ng	100
22) Pentachlorophenol	16.74	266	2310	0.515	ng	98
23) Phenanthrene	17.13	178	43770	0.433	ng	100
24) Anthracene	17.22	178	38776	0.416	ng	100
26) Fluoranthene	19.15	202	51976	0.424	ng	100
28) Pyrene	19.51	202	52418	0.428	ng	100
30) Benzo(a)anthracene	21.26	228	49800	0.409	ng	99
31) Chrysene	21.31	228	52773	0.426	ng	99
32) Bis(2-ethylhexyl)phthalate	21.22	149	18770	0.450	ng	99
33) Indeno(1,2,3-cd)pyrene	25.73	276	58451	0.446	ng	# 100
35) Benzo(b)fluoranthene	22.84	252	51643	0.402	ng	100
36) Benzo(k)fluoranthene	22.84	252	51643	0.407	ng	99
37) Benzo(a)pyrene	23.40	252	46297	0.405	ng	100
38) Dibenzo(a,h)anthracene	25.74	278	48627	0.424	ng	98
39) Benzo(g,h,i)perylene	26.40	276	47506	0.409	ng	99

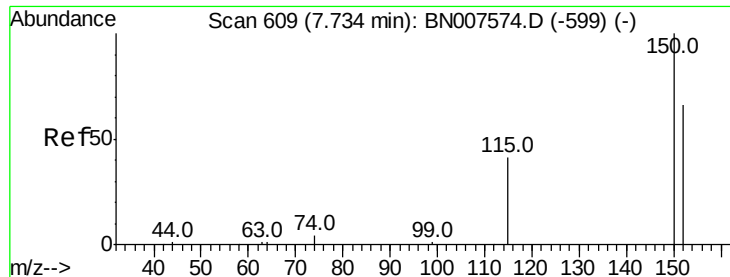
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091119\
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QLast Update : Wed Sep 11 14:14:20 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

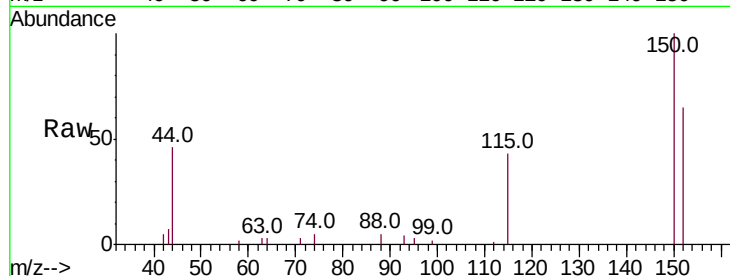
Tot Ion:152 Resp: 6831

Ion Ratio Lower Upper

152 100

150 153.4 119.5 179.3

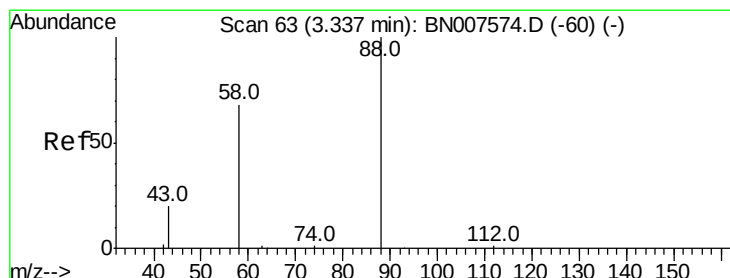
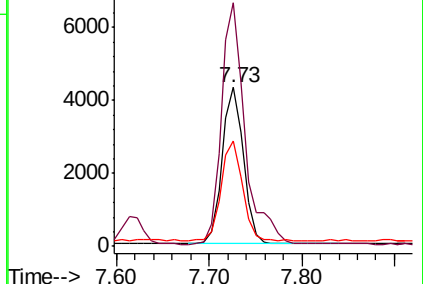
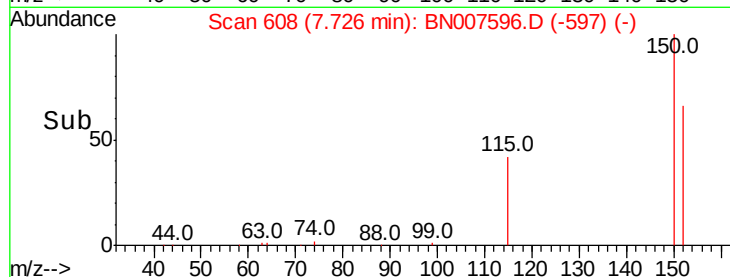
115 66.1 53.0 79.6



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



#2

1,4-Dioxane

Concen: 0.492 ng

RT: 3.33 min Scan# 62

Delta R.T. -0.01 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

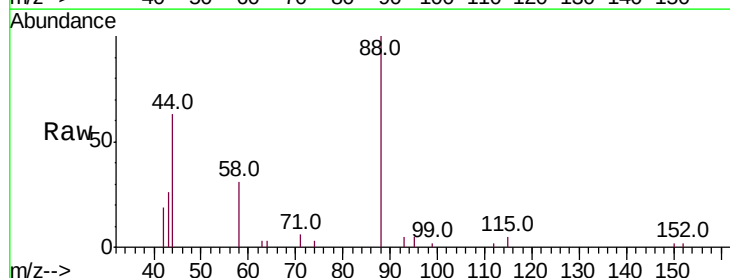
Tgt Ion: 88 Resp: 3170

Ion Ratio Lower Upper

88 100

58 71.0 64.6 96.8

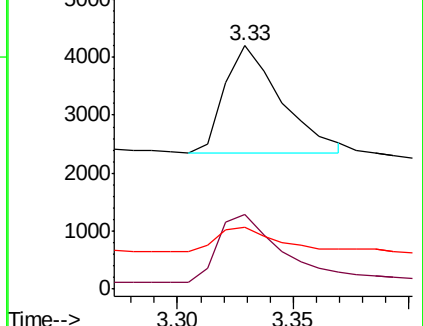
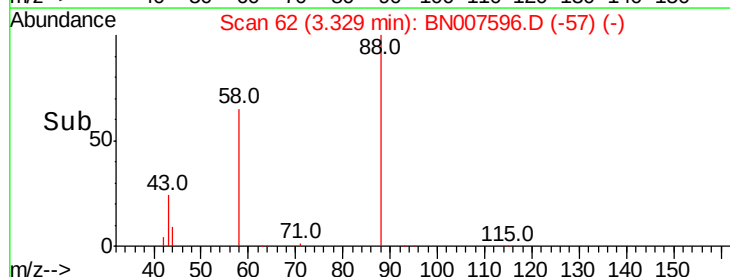
43 22.7 19.2 28.8

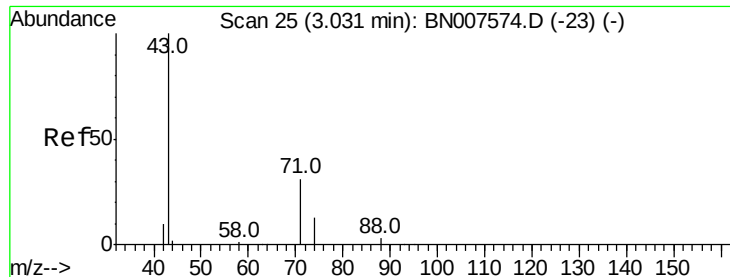


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.551 ng

RT: 3.03 min Scan# 25

Delta R.T. 0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampled :

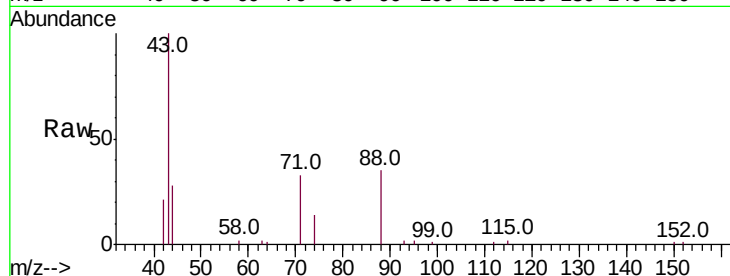
Tot Ion: 42 Resp: 2250

Ion Ratio Lower Upper

42 100

74 109.8 0.0 0.0#

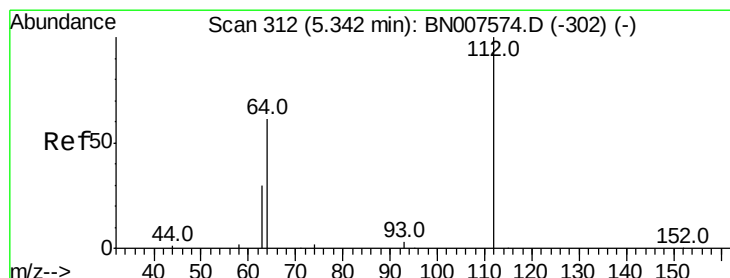
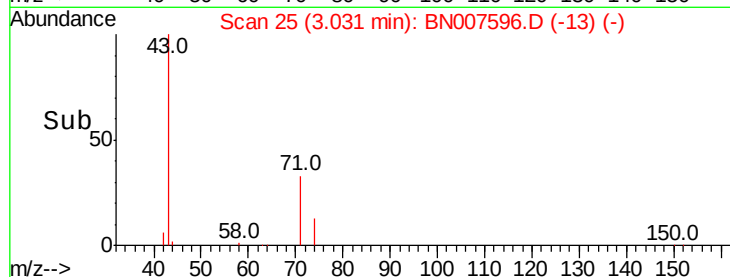
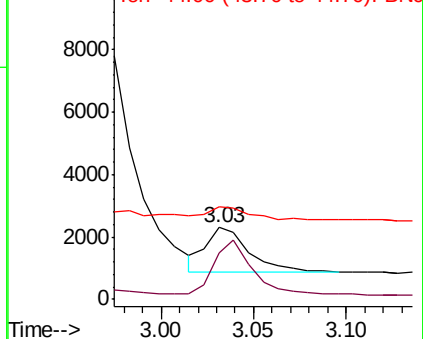
44 27.9 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.403 ng

RT: 5.34 min Scan# 312

Delta R.T. 0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

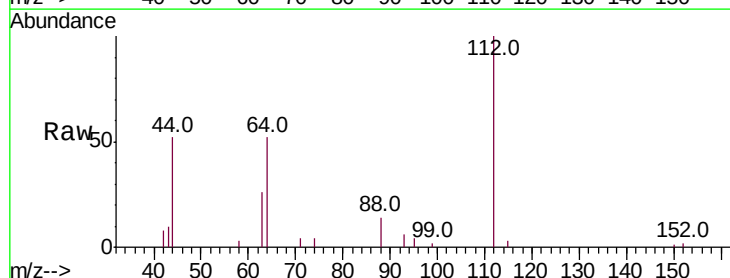
Tgt Ion: 112 Resp: 8381

Ion Ratio Lower Upper

112 100

64 60.4 49.2 73.8

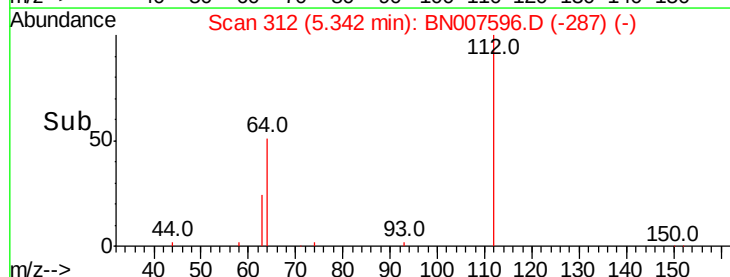
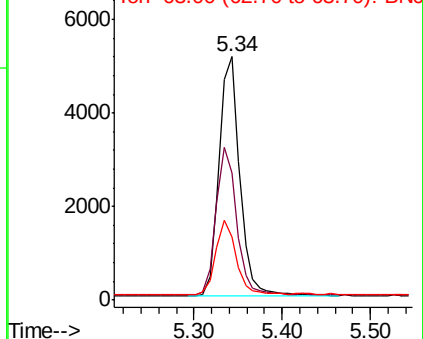
63 29.9 26.0 39.0

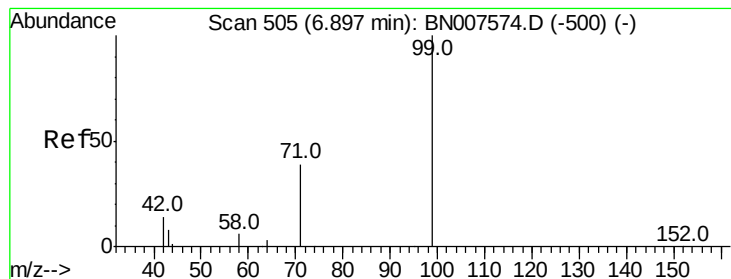


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.390 ng

RT: 6.90 min Scan# 505

Delta R.T. 0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

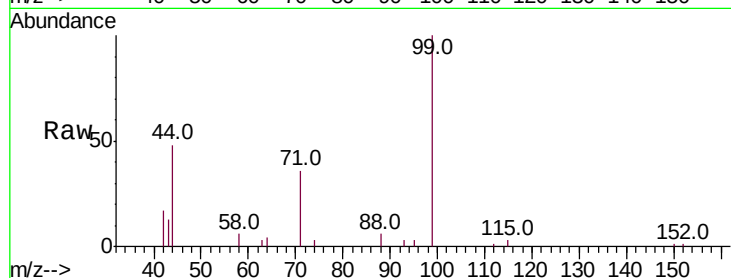
Tot Ion: 99 Resp: 10881

Ion Ratio Lower Upper

99 100

42 15.1 11.8 17.8

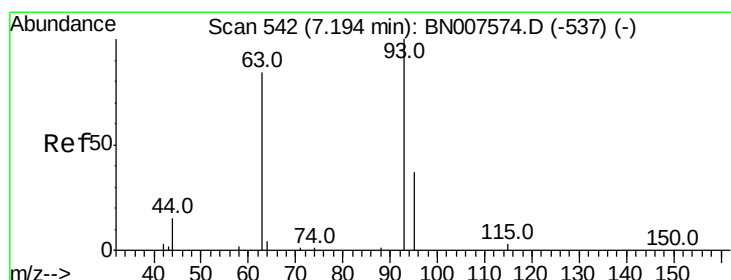
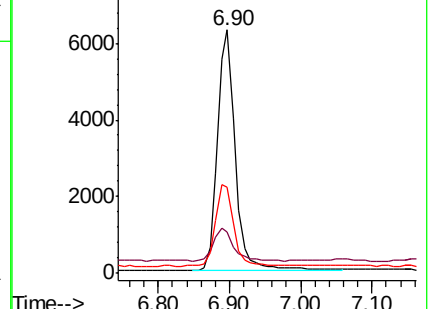
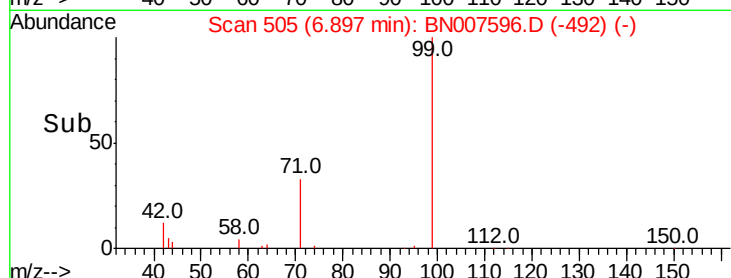
71 34.8 28.8 43.2



Abundance Ion 99.00 (98.70 to 99.70): BN007574.D (-500) (-)

Ion 42.00 (41.70 to 42.70): BN007574.D (-500) (-)

Ion 71.00 (70.70 to 71.70): BN007574.D (-500) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.588 ng

RT: 7.16 min Scan# 538

Delta R.T. -0.03 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

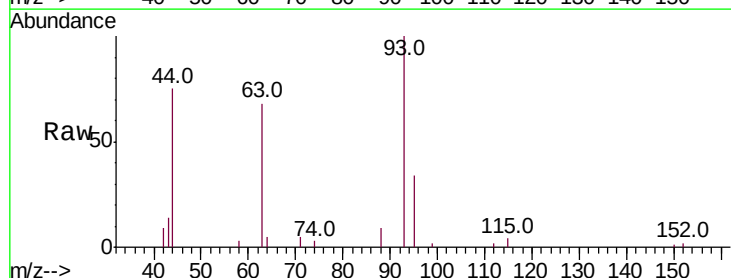
Tgt Ion: 93 Resp: 7896

Ion Ratio Lower Upper

93 100

63 75.3 69.8 104.6

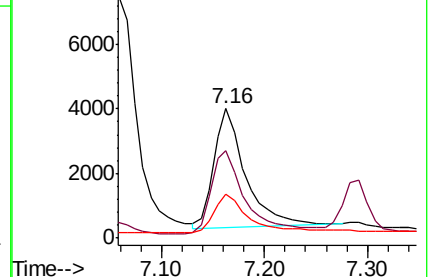
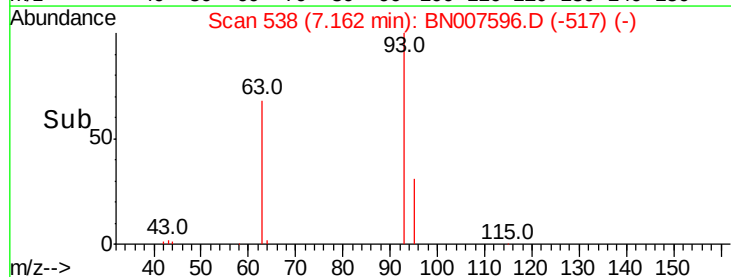
95 37.6 42.8 64.2#

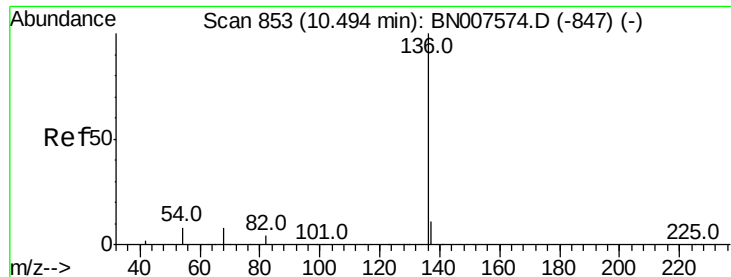


Abundance Ion 93.00 (92.70 to 93.70): BN007574.D (-537) (-)

Ion 63.00 (62.70 to 63.70): BN007574.D (-537) (-)

Ion 95.00 (94.70 to 95.70): BN007574.D (-537) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 853

Delta R.T. 0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 26789

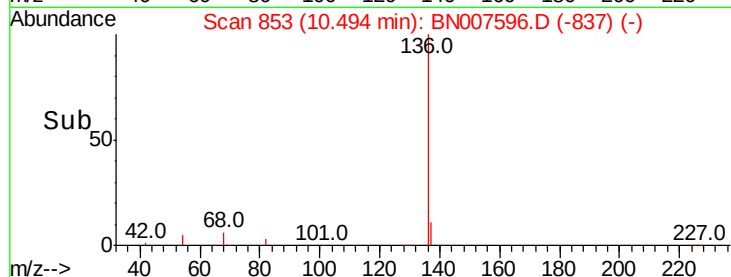
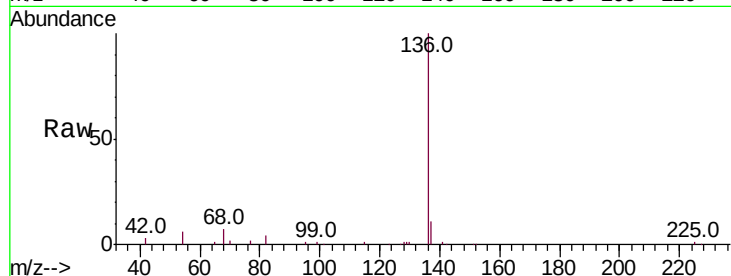
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 5.7 7.5 11.3#

68 6.8 7.9 11.9#

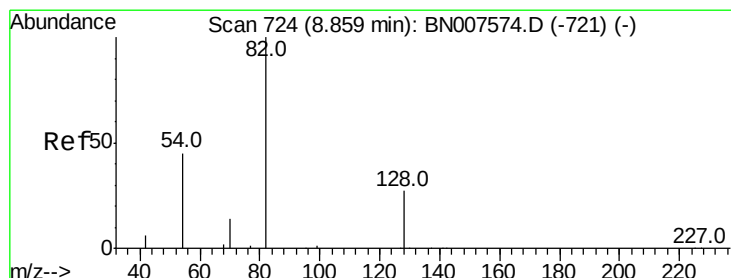
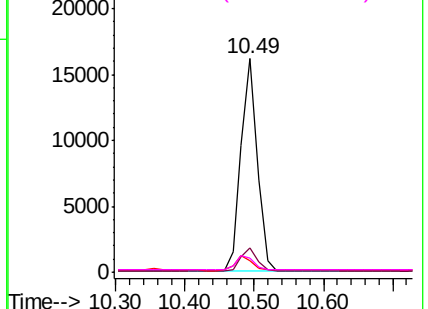


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.550 ng

RT: 8.86 min Scan# 724

Delta R.T. 0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

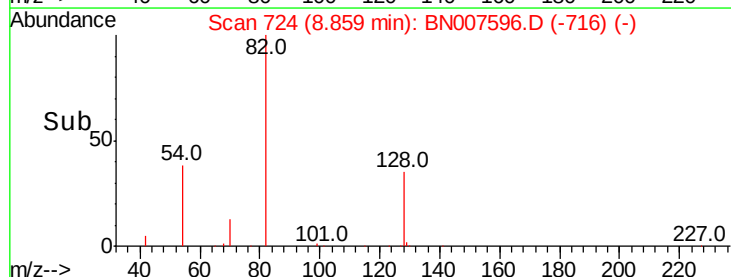
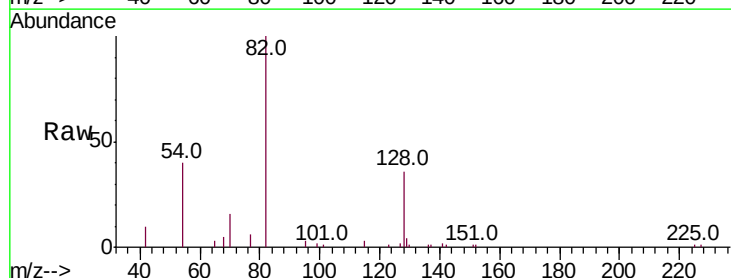
Tgt Ion: 82 Resp: 8981

Ion Ratio Lower Upper

82 100

128 36.1 23.4 35.2#

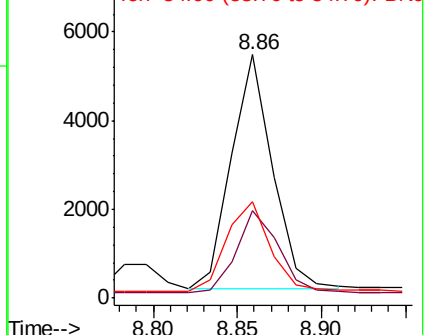
54 39.7 38.2 57.2

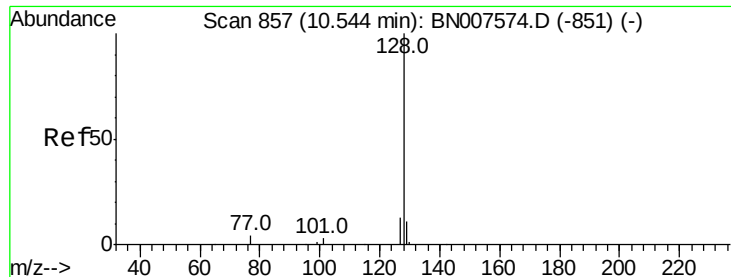


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.430 ng

RT: 10.54 min Scan# 857

Delta R.T. 0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

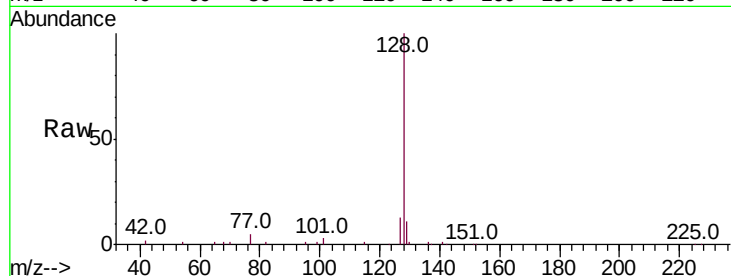
Tot Ion:128 Resp: 32368

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

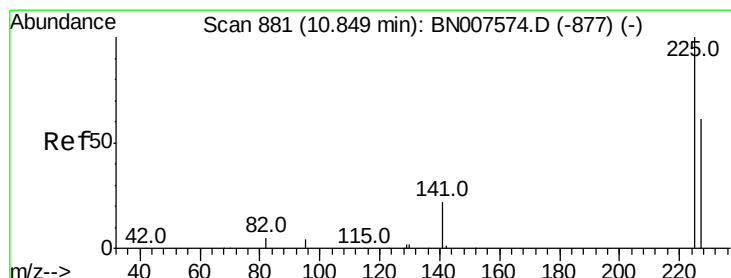
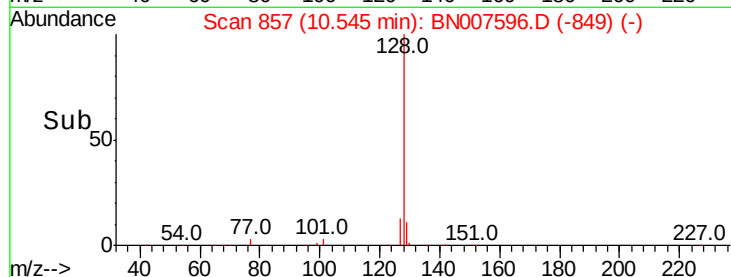
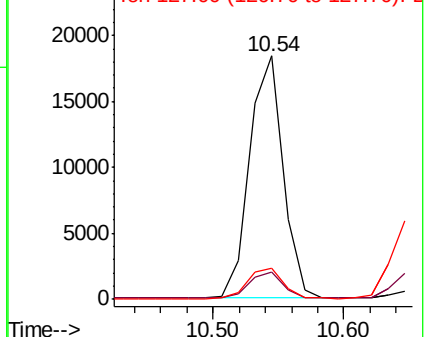
127 12.9 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.442 ng

RT: 10.85 min Scan# 881

Delta R.T. 0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

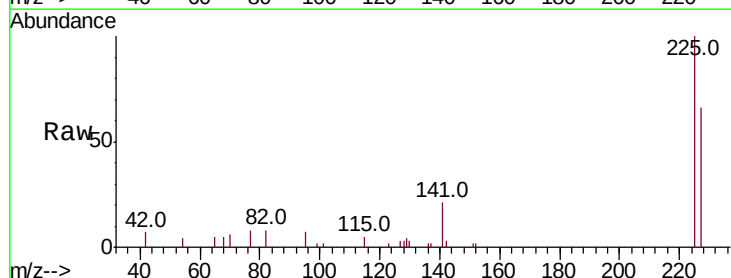
Tgt Ion:225 Resp: 6671

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

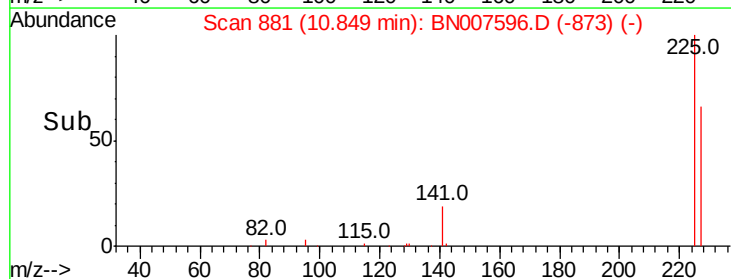
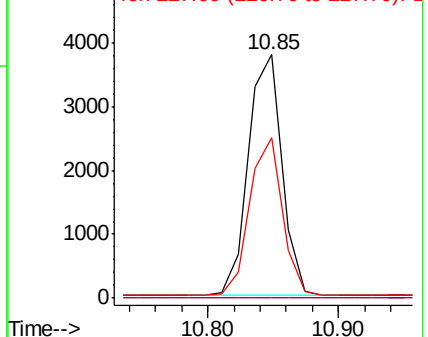
227 63.5 50.4 75.6

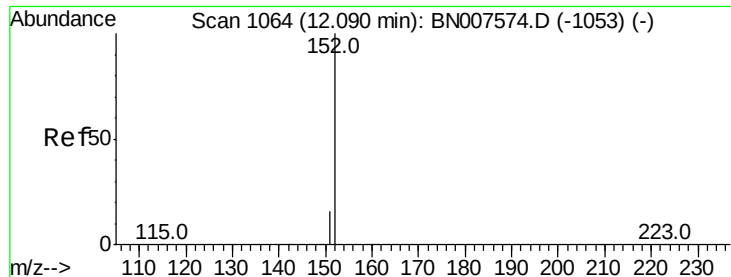


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

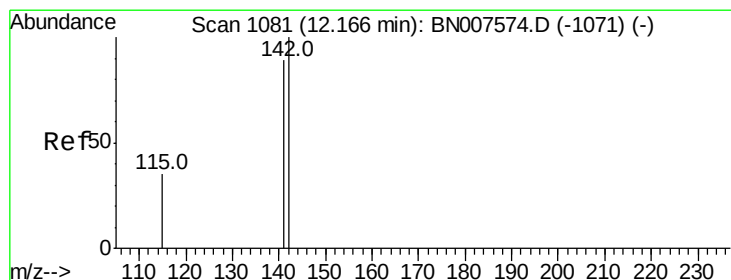
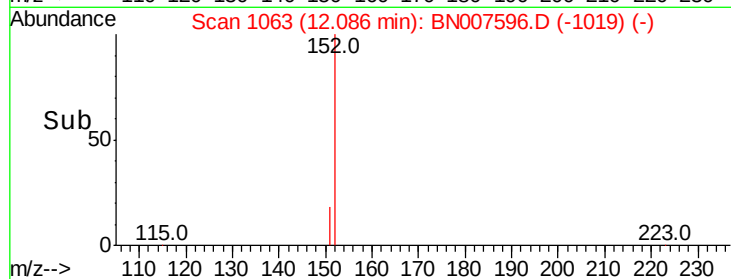
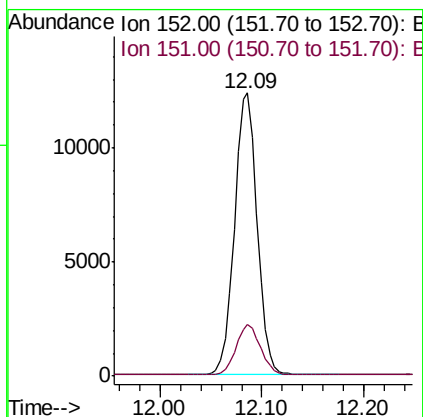
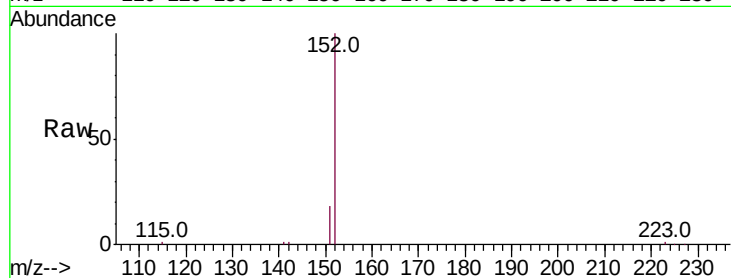




#11
 2-Methylnaphthalene-d10
 Concen: 0.413 ng
 RT: 12.09 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BN007596.D
 Acq: 11 Sep 2019 20:02

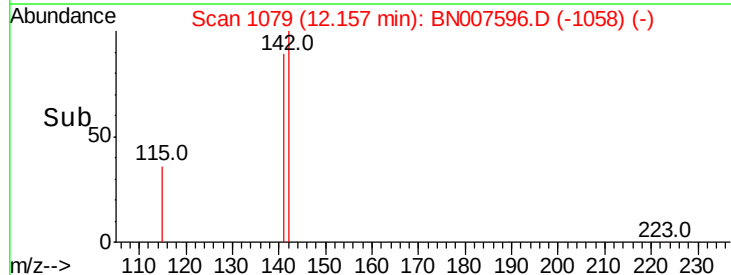
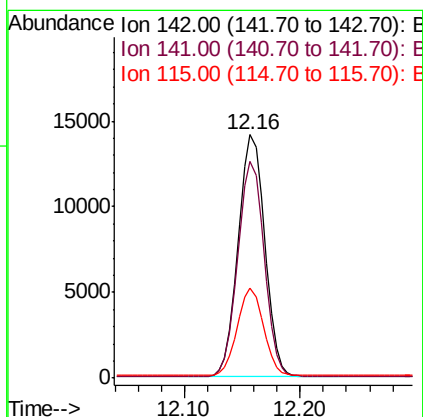
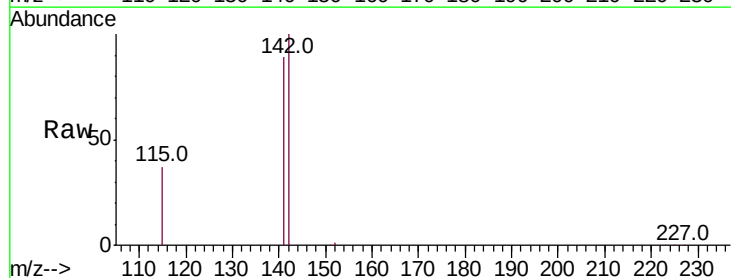
Instrument :
 BNA_N
 ClientSampleId :

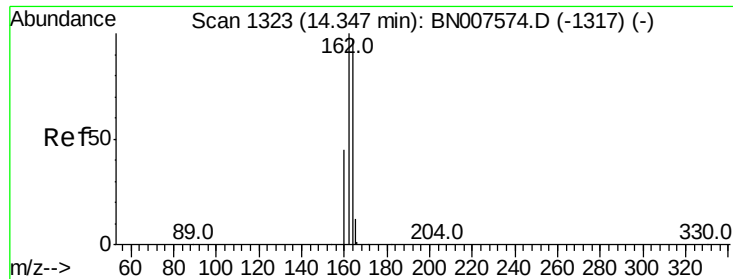
Tot Ion:152 Resp: 19116
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.414 ng
 RT: 12.16 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: BN007596.D
 Acq: 11 Sep 2019 20:02

Tgt Ion:142 Resp: 21878
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.0 106.6
 115 36.8 29.1 43.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

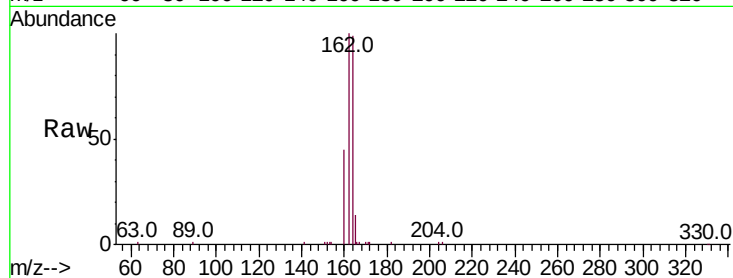
Instrument :

BNA_N

ClientSampled :

Tot Ion:164 Resp: 15560

Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.2	123.2
160	45.5	37.4	56.0

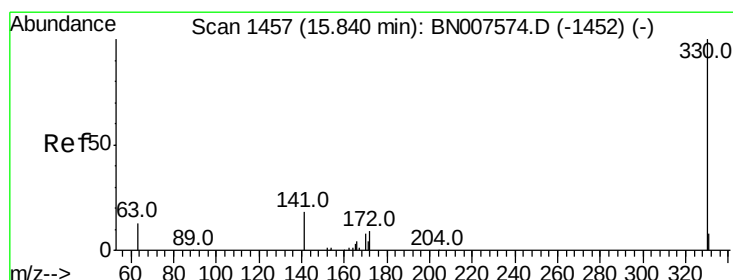
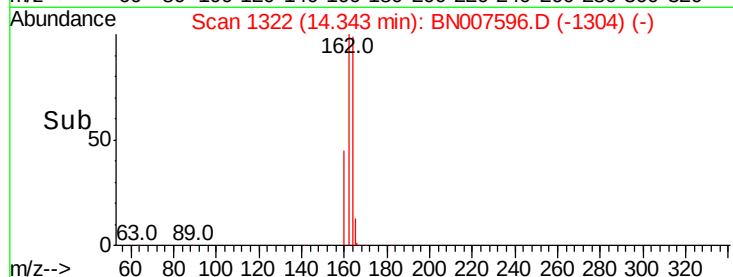
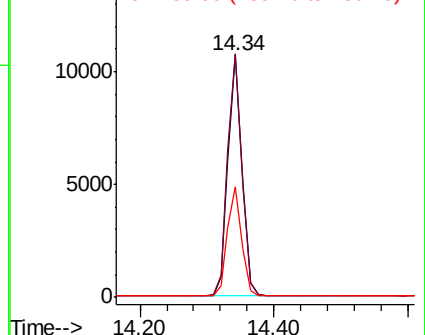


Abundance

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



#14

2,4,6-Tribromophenol

Concen: 0.382 ng

RT: 15.84 min Scan# 1456

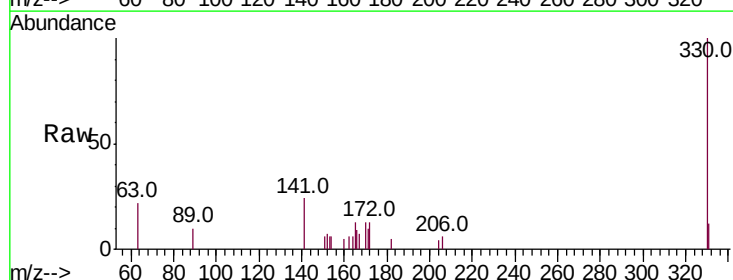
Delta R.T. -0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Tgt Ion:330 Resp: 2261

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.7	30.6	45.8

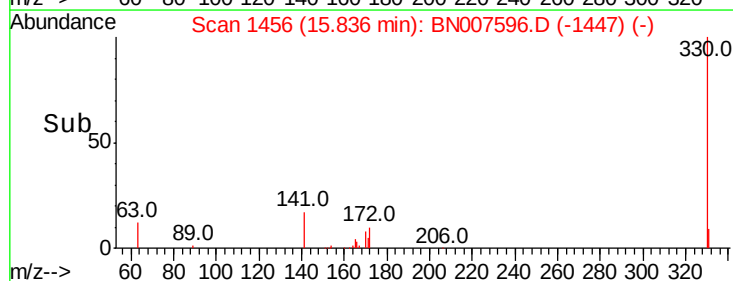
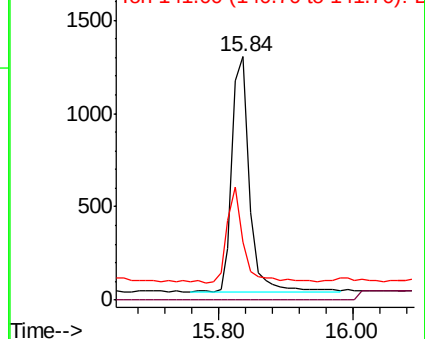


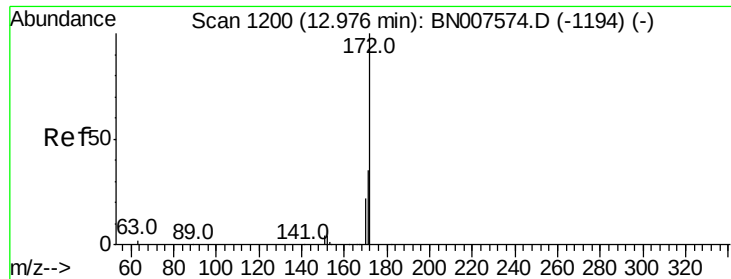
Abundance

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

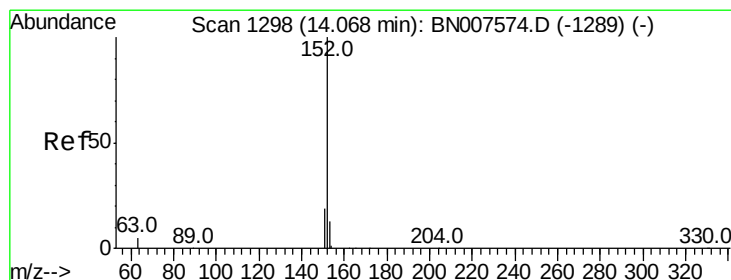
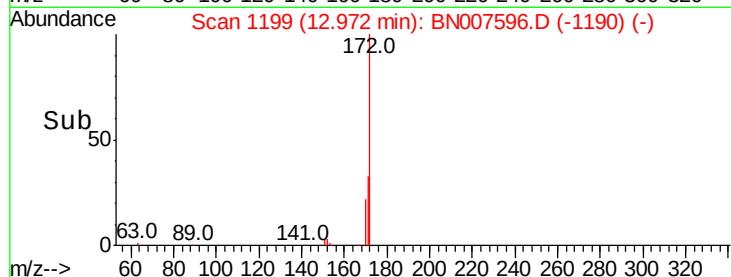
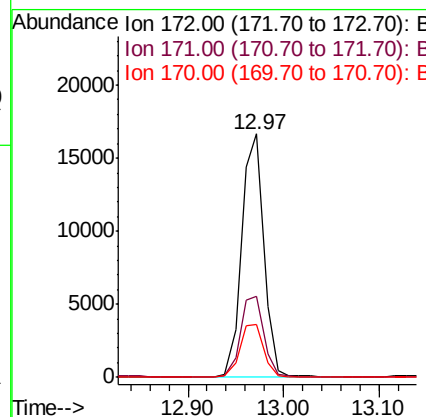
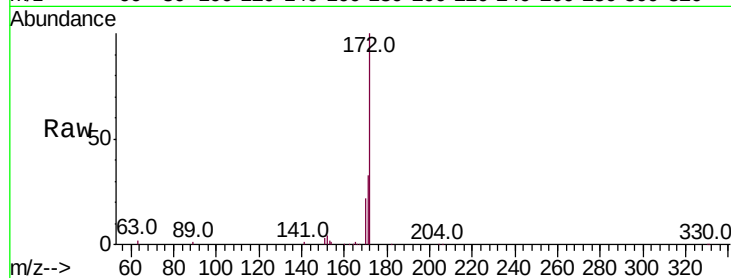




#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.97 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BN007596.D
Acq: 11 Sep 2019 20:02

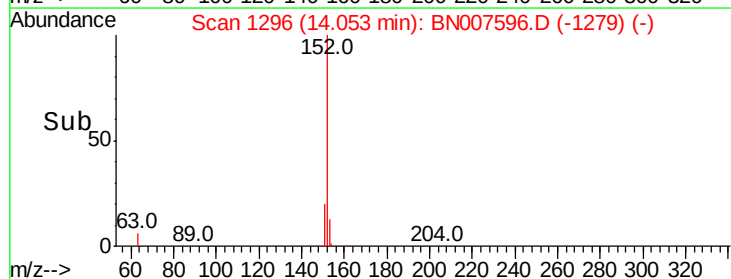
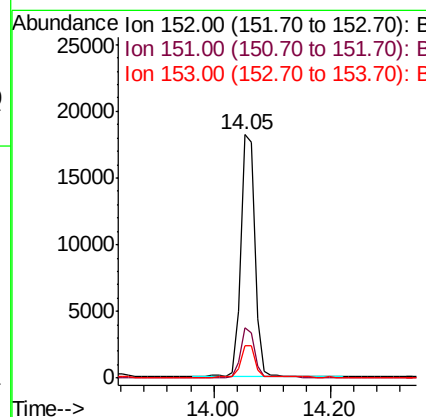
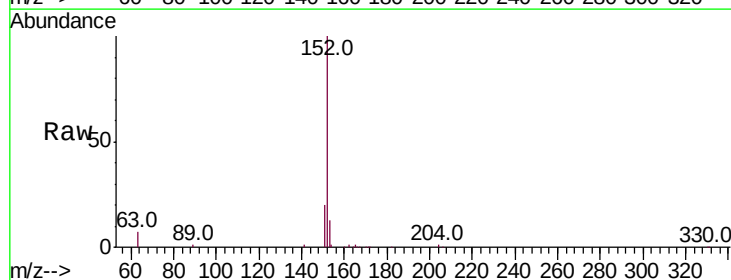
Instrument :
BNA_N
ClientSampleId :

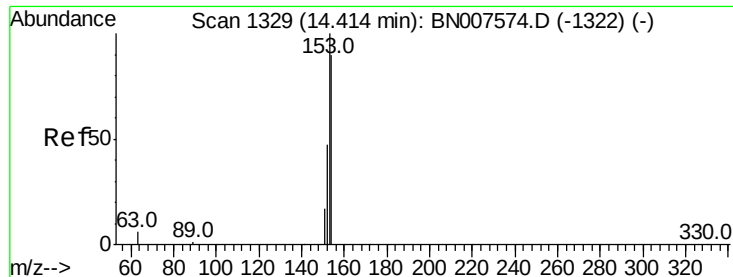
Tot Ion:172 Resp: 26582
Ion Ratio Lower Upper
172 100
171 33.4 28.2 42.2
170 21.8 18.3 27.5



#16
Acenaphthylene
Concen: 0.376 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BN007596.D
Acq: 11 Sep 2019 20:02

Tgt Ion:152 Resp: 31401
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 0.390 ng

RT: 14.40 min Scan# 1327

Delta R.T. -0.02 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

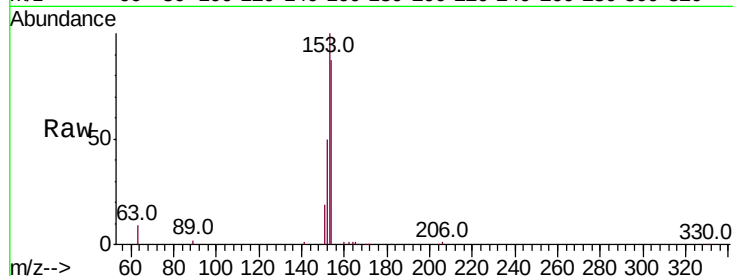
Tot Ion:154 Resp: 20565

Ion Ratio Lower Upper

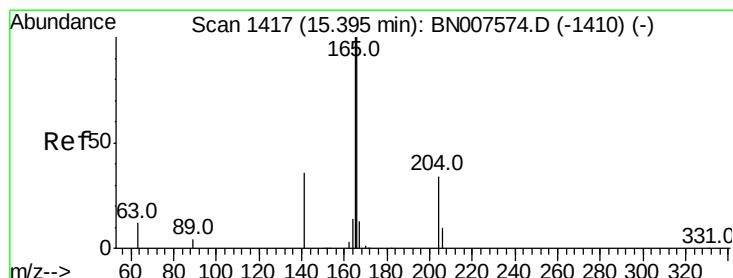
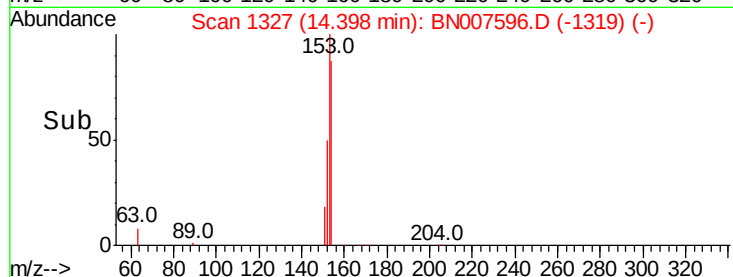
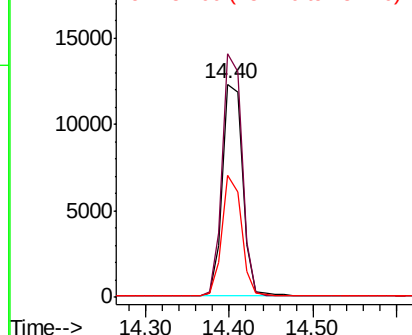
154 100

153 111.7 89.4 134.2

152 54.4 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.379 ng

RT: 15.39 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

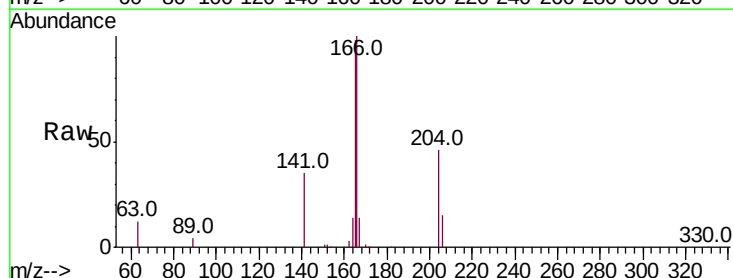
Tgt Ion:166 Resp: 26334

Ion Ratio Lower Upper

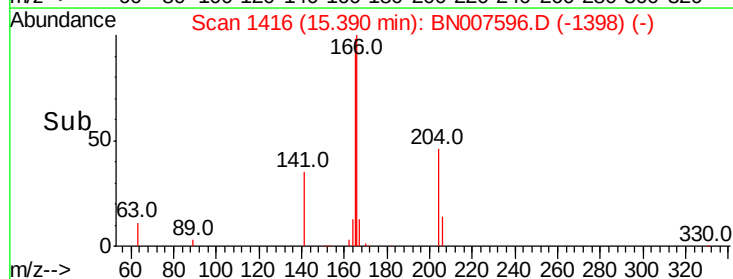
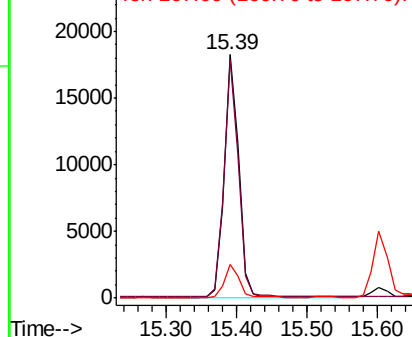
166 100

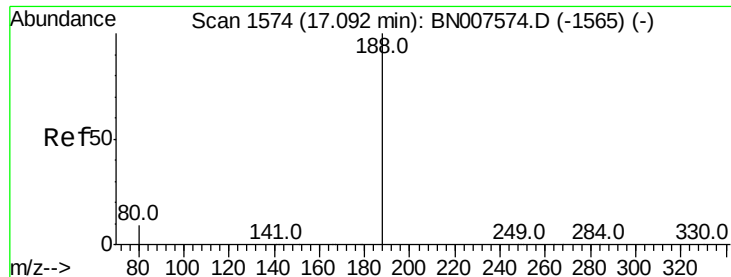
165 97.4 77.8 116.6

167 13.4 11.0 16.4



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

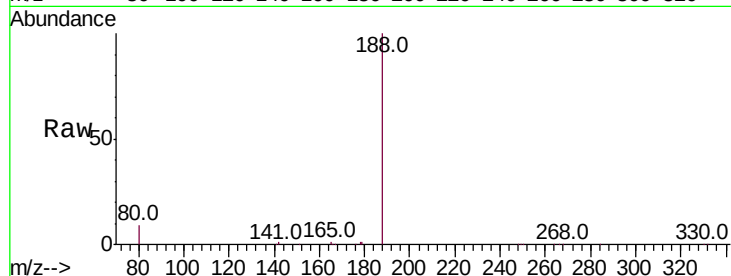
Tot Ion:188 Resp: 32716

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

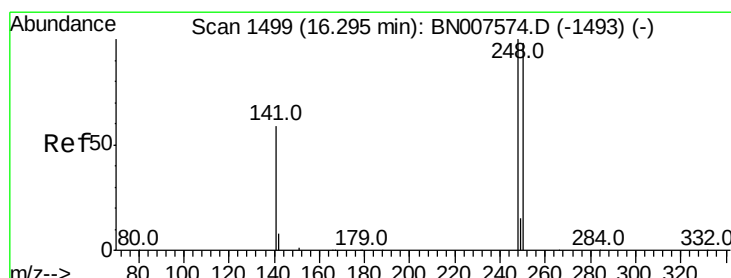
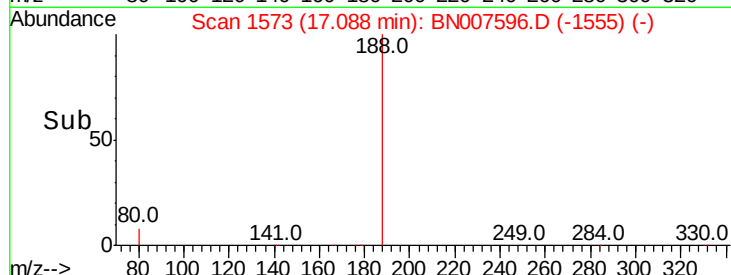
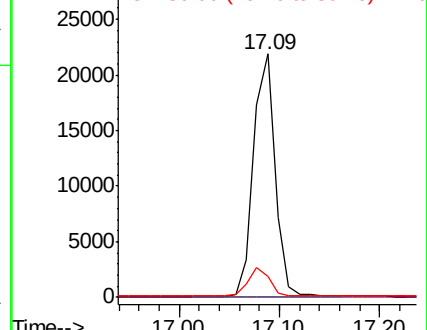
80 8.5 8.1 12.1



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



#20

4-Bromophenyl-phenylether

Concen: 0.443 ng

RT: 16.29 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

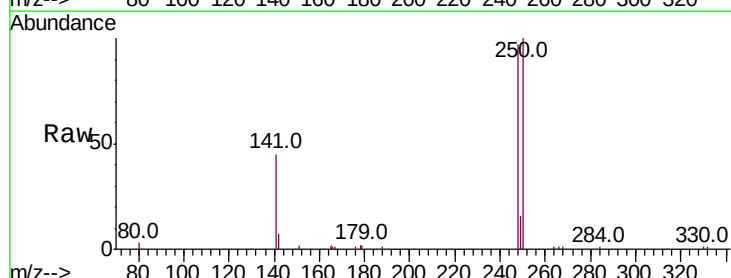
Tgt Ion:248 Resp: 8574

Ion Ratio Lower Upper

248 100

250 102.6 78.9 118.3

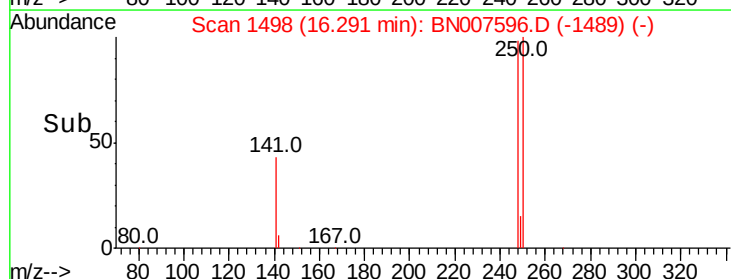
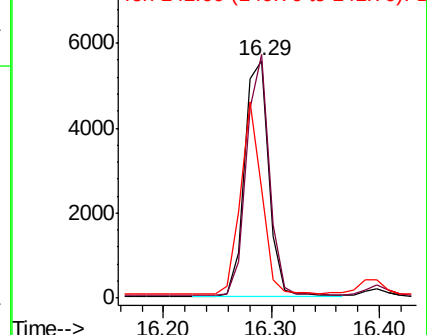
141 45.8 48.3 72.5#

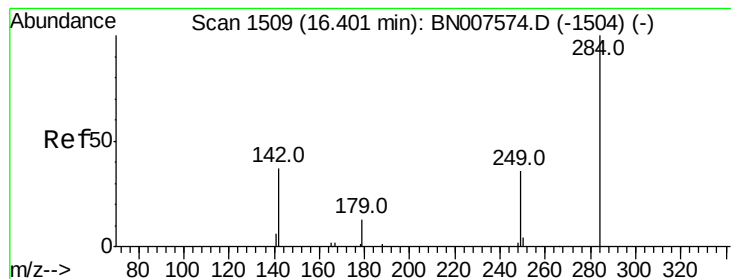


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.447 ng

RT: 16.40 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

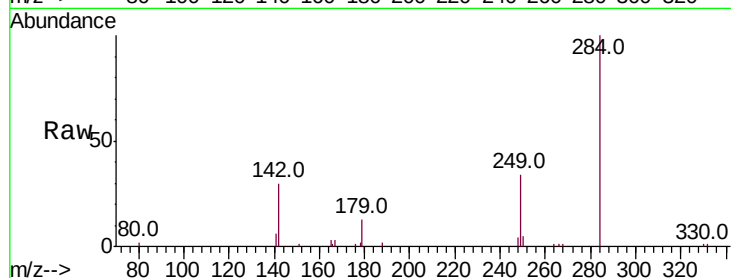
Tot Ion:284 Resp: 9105

Ion Ratio Lower Upper

284 100

142 35.0 27.9 41.9

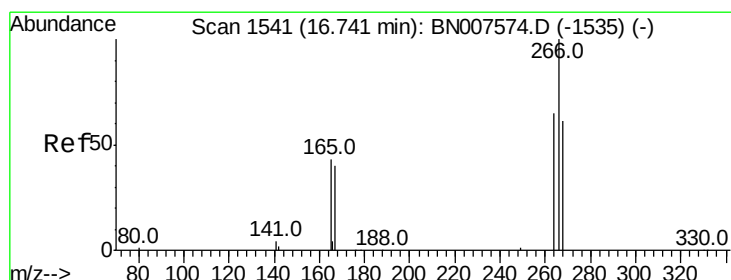
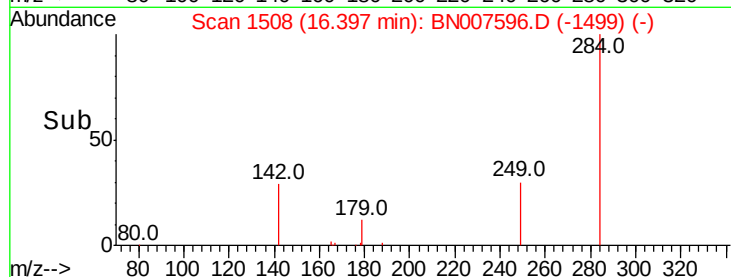
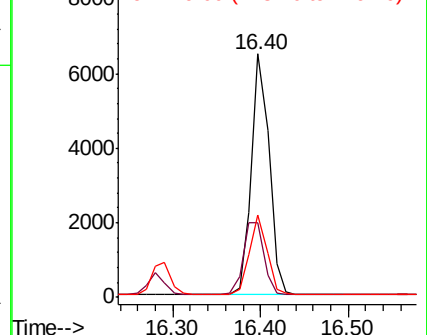
249 32.1 26.0 39.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.515 ng

RT: 16.74 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

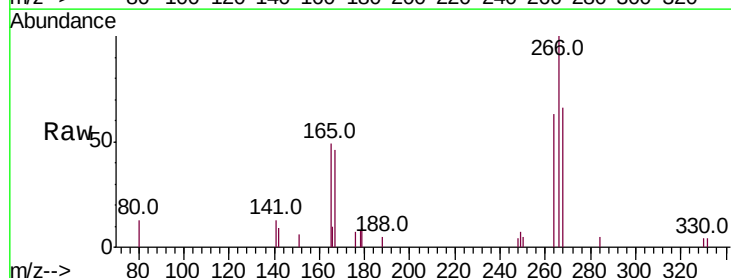
Tgt Ion:266 Resp: 2310

Ion Ratio Lower Upper

266 100

264 63.4 52.0 78.0

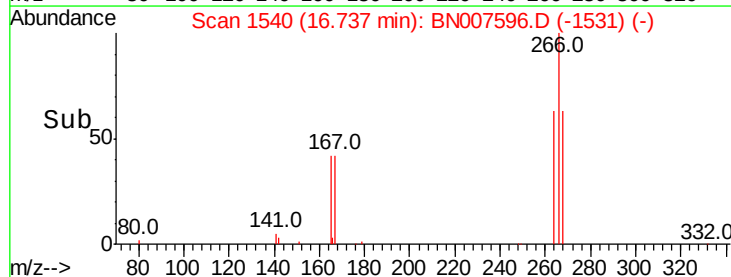
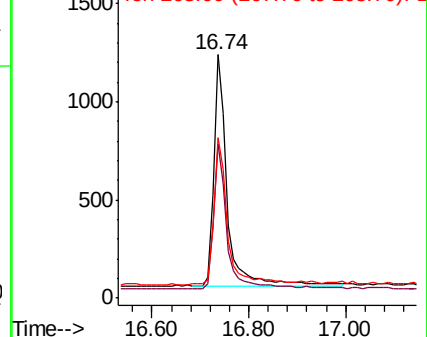
268 65.8 53.5 80.3

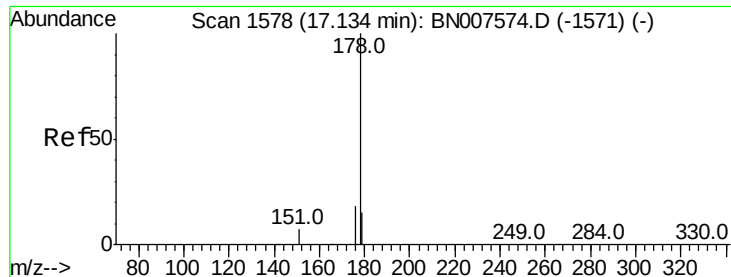


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.433 ng

RT: 17.13 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

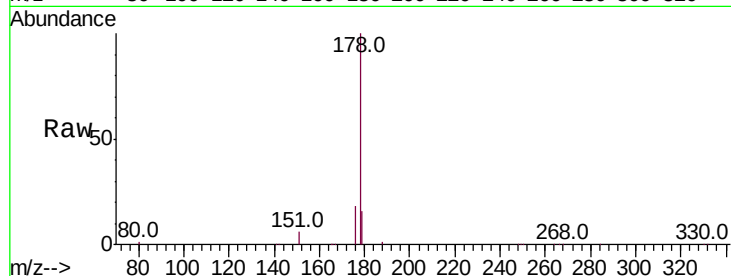
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 43770

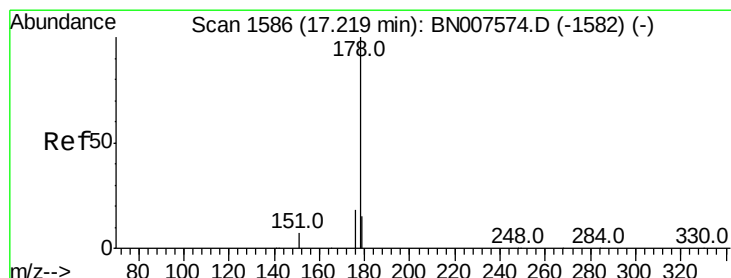
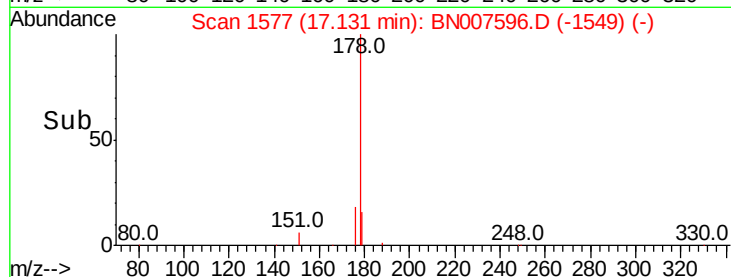
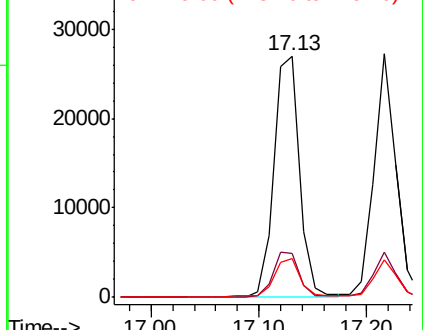
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.2	18.2



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

Anthracene

Concen: 0.416 ng

RT: 17.22 min Scan# 1585

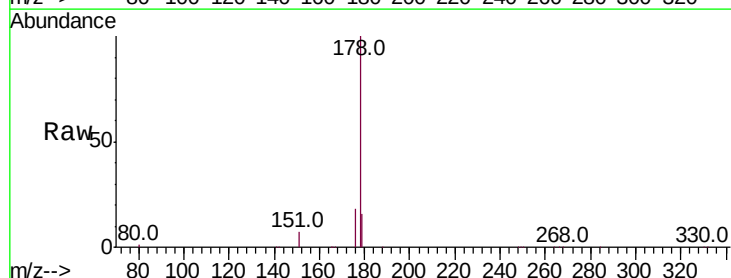
Delta R.T. -0.00 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Tgt Ion:178 Resp: 38776

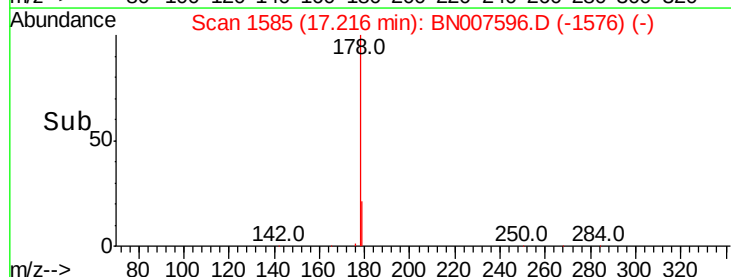
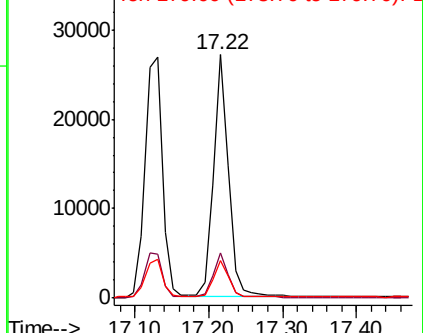
Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	15.3	12.5	18.7

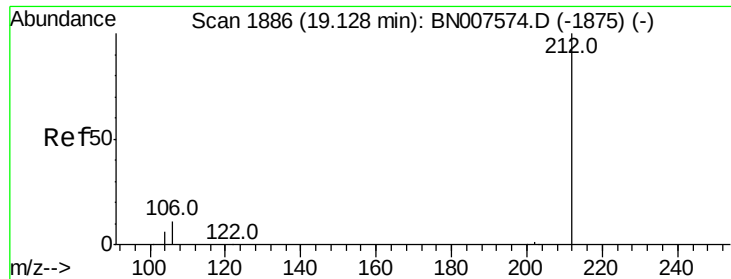


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.421 ng

RT: 19.12 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

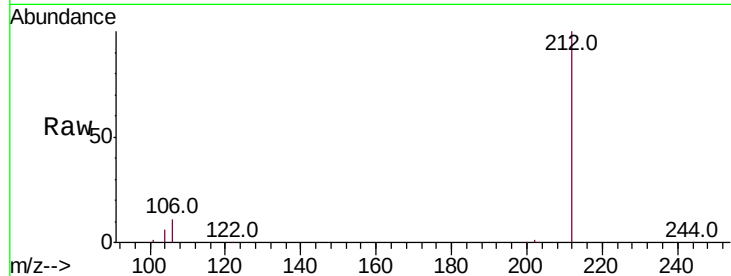
Tot Ion:212 Resp: 44748

Ion Ratio Lower Upper

212 100

106 11.9 9.7 14.5

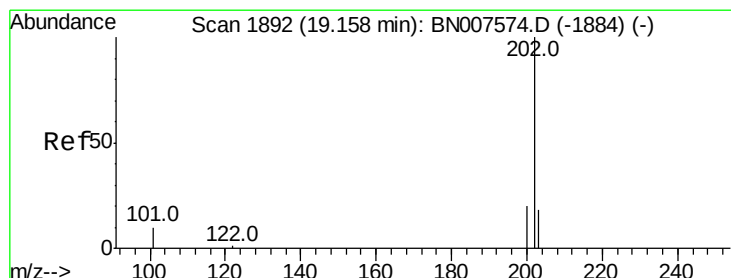
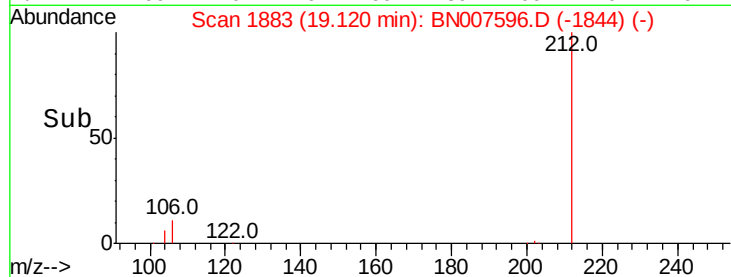
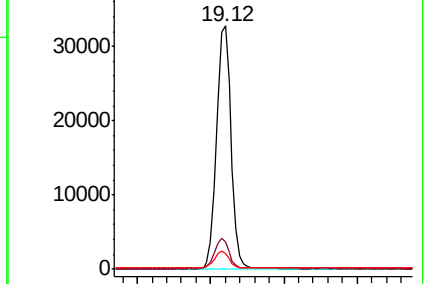
104 6.8 5.5 8.3



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

Fluoranthene

Concen: 0.424 ng

RT: 19.15 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

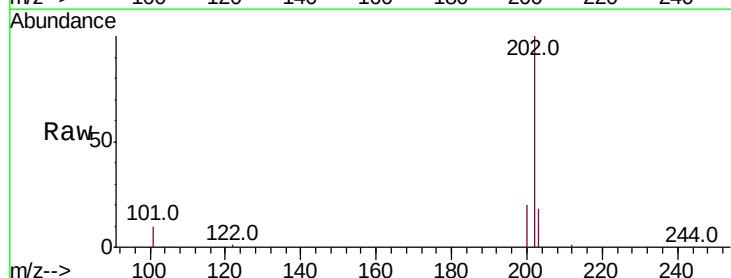
Tgt Ion:202 Resp: 51976

Ion Ratio Lower Upper

202 100

101 10.8 8.8 13.2

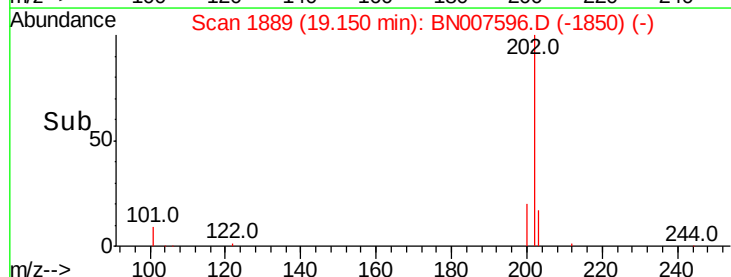
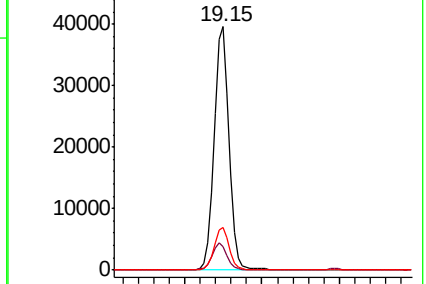
203 17.2 13.8 20.8

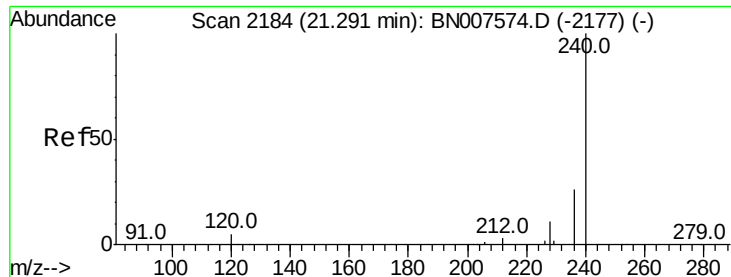


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

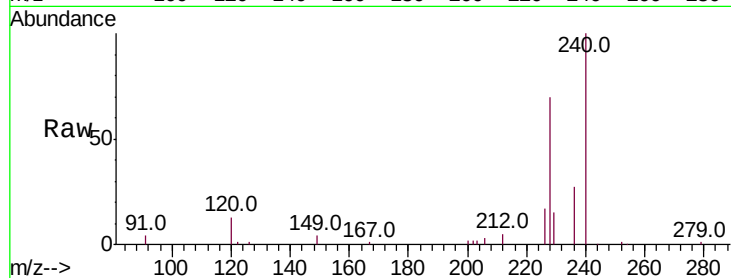
Tot Ion:240 Resp: 34066

Ion Ratio Lower Upper

240 100

120 13.4 5.0 7.4#

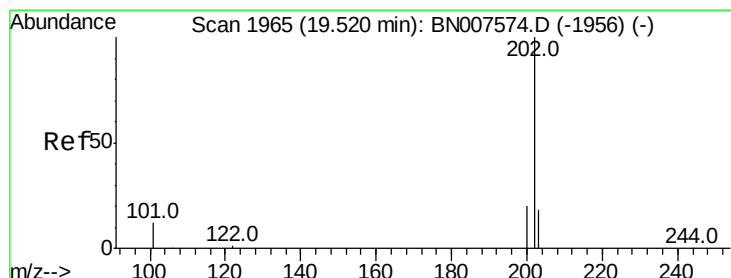
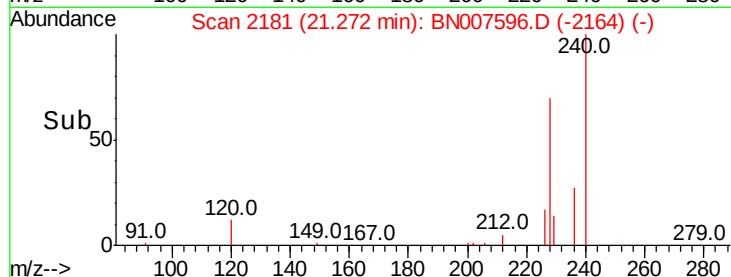
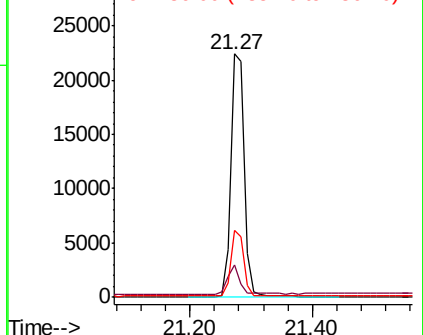
236 27.4 20.6 31.0



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



#28

Pyrene

Concen: 0.428 ng

RT: 19.51 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

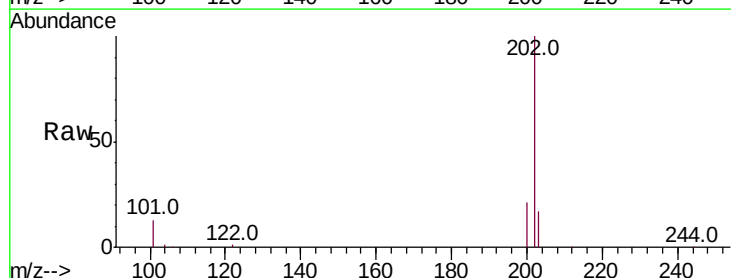
Tgt Ion:202 Resp: 52418

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

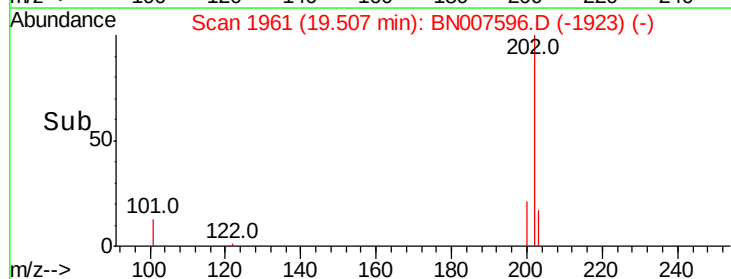
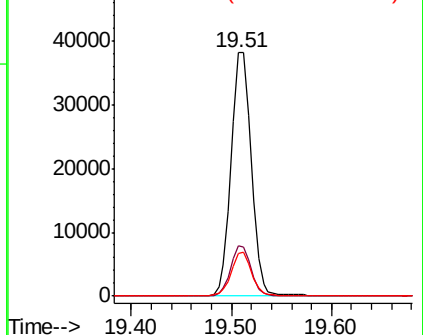
203 17.4 14.1 21.1

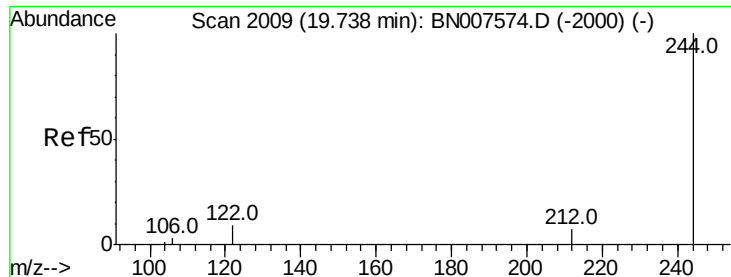


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.425 ng

RT: 19.73 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

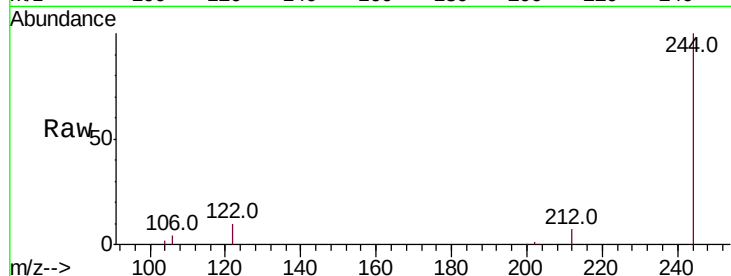
Tot Ion:244 Resp: 37637

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

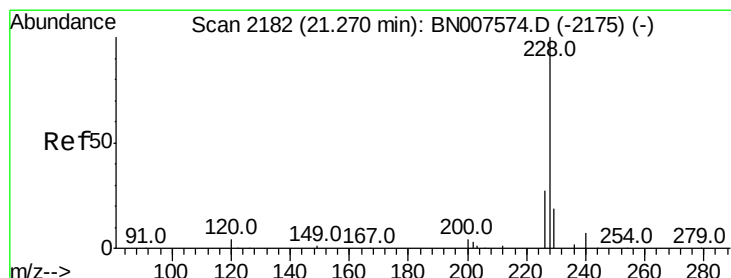
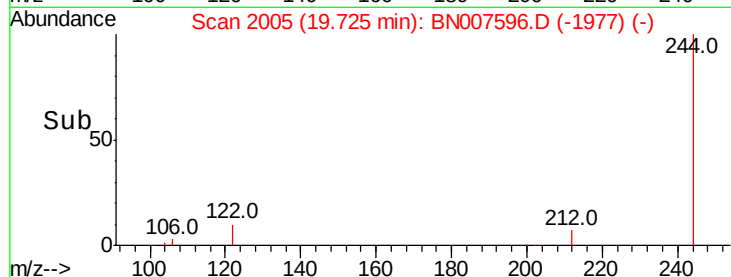
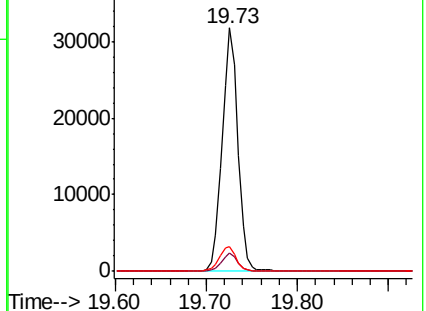
122 10.0 7.8 11.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.409 ng

RT: 21.26 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

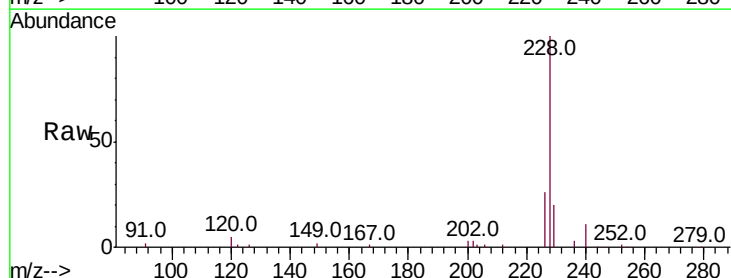
Tgt Ion:228 Resp: 49800

Ion Ratio Lower Upper

228 100

226 26.3 21.6 32.4

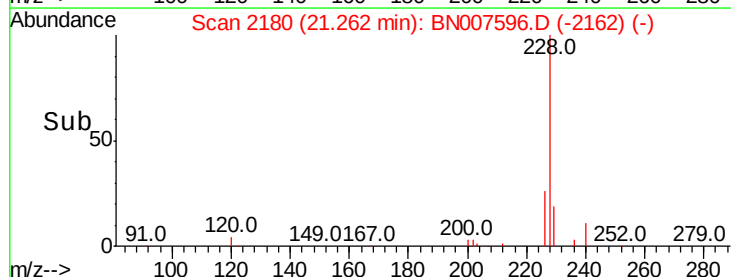
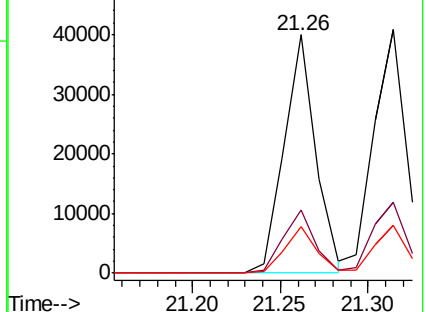
229 19.6 15.7 23.5

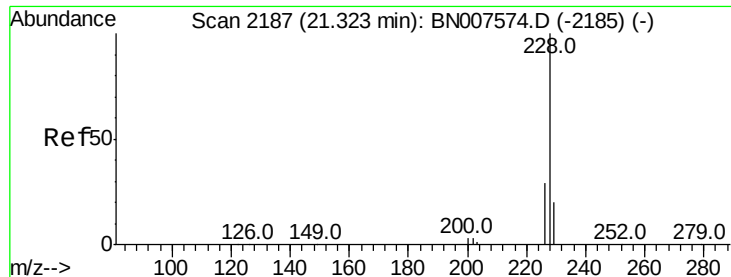


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.426 ng

RT: 21.31 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

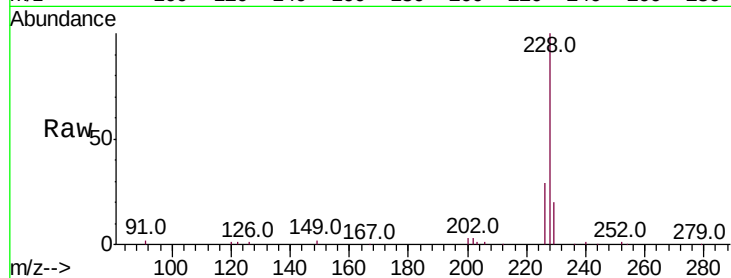
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 52773

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.4	35.2
229	19.9	15.7	23.5

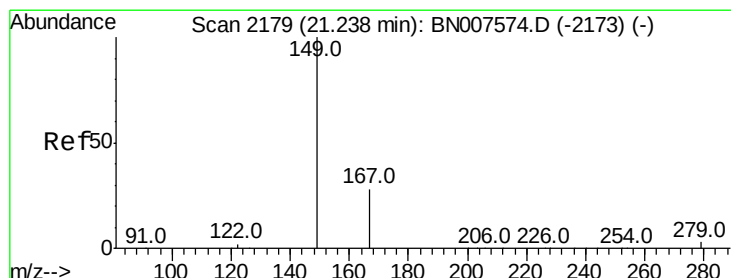
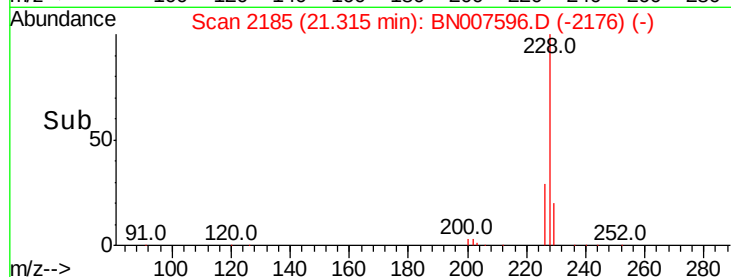
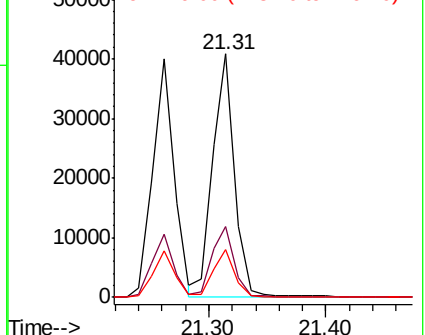


Abundance

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

Bis(2-ethylhexyl)phthalate

Concen: 0.450 ng

RT: 21.22 min Scan# 2176

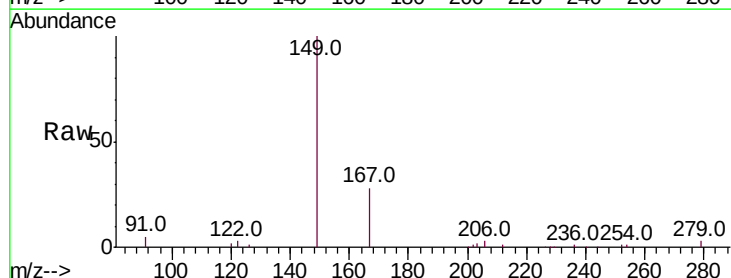
Delta R.T. -0.02 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Tgt Ion:149 Resp: 18770

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.1	33.1
279	5.0	3.9	5.9

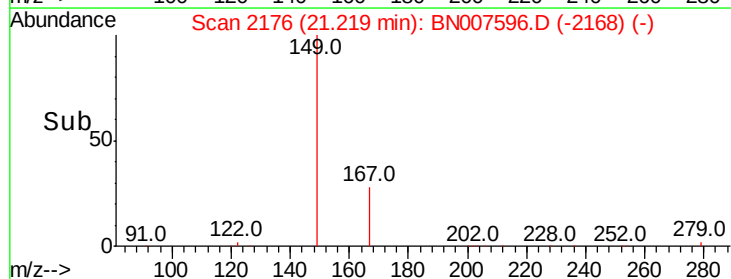
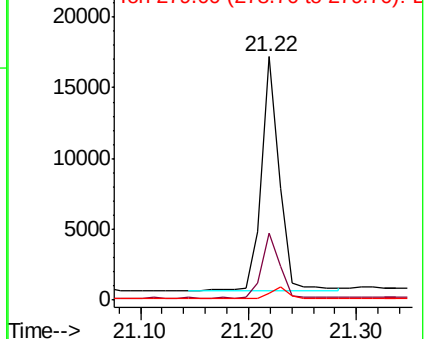


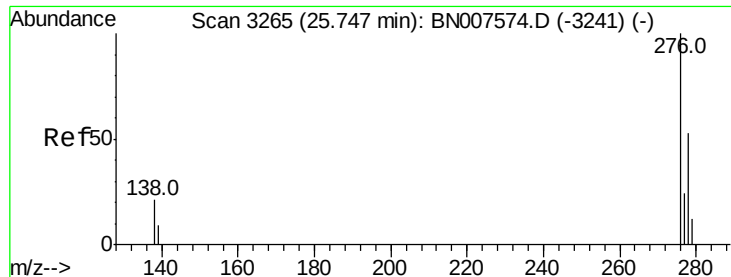
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.446 ng

RT: 25.73 min Scan# 3257

Delta R.T. -0.02 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

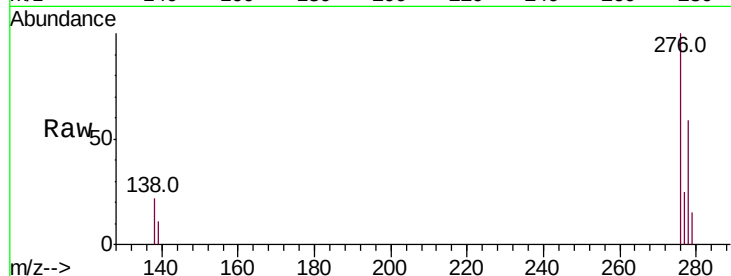
Tot Ion:276 Resp: 58451

Ion Ratio Lower Upper

276 100

138 22.8 0.0 0.0#

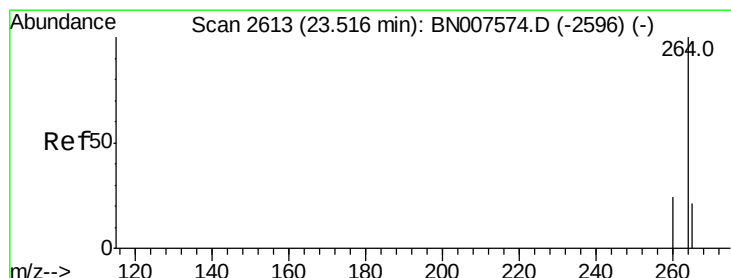
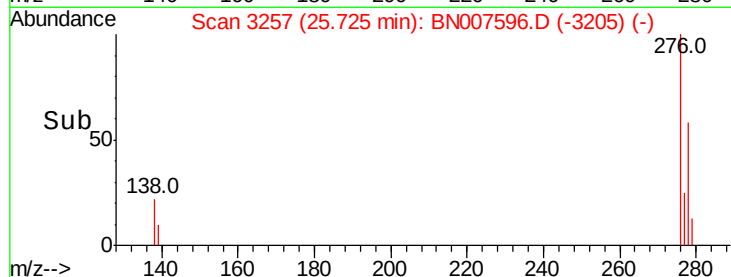
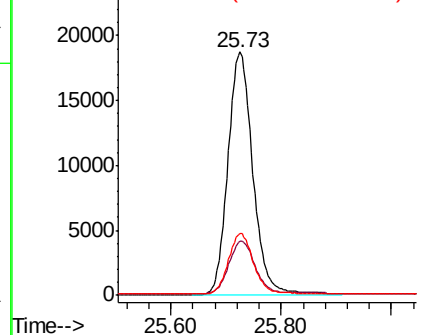
277 25.1 0.0 0.0#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.50 min Scan# 2607

Delta R.T. -0.02 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

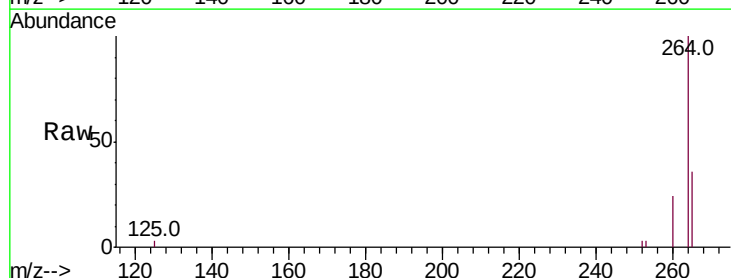
Tgt Ion:264 Resp: 36147

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

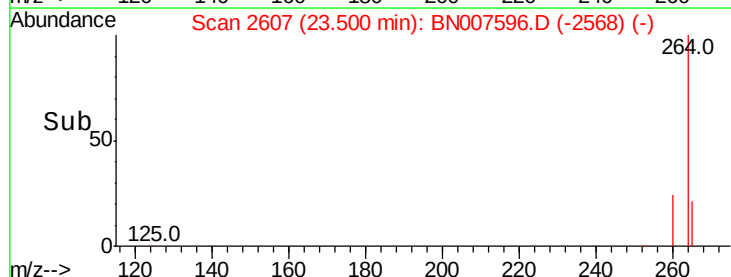
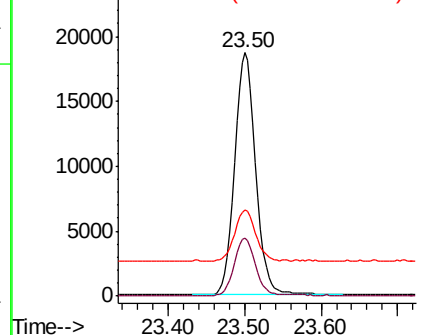
265 35.5 25.6 38.4

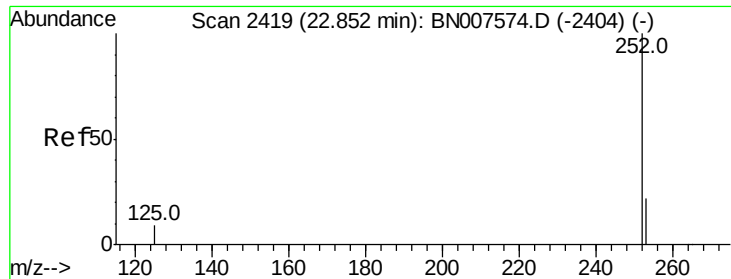


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.402 ng

RT: 22.84 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

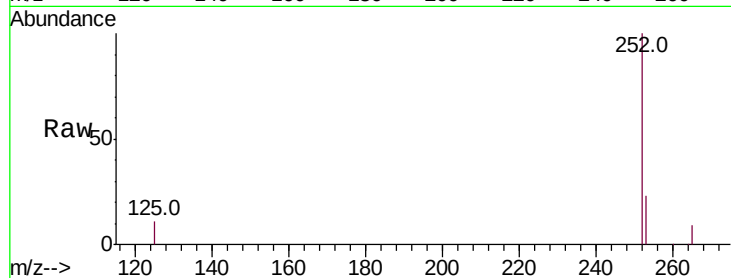
Tot Ion:252 Resp: 51643

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

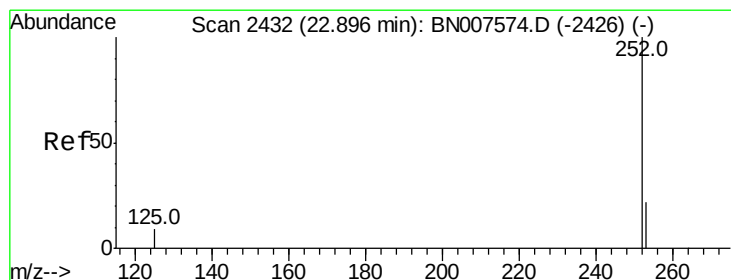
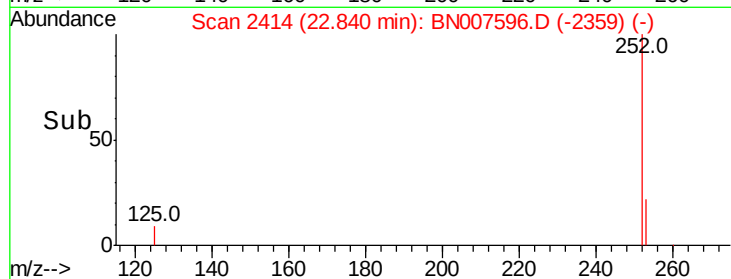
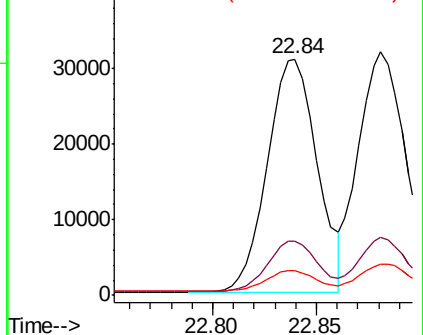
125 10.7 8.2 12.2



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



#36

Benzo(k)fluoranthene

Concen: 0.407 ng

RT: 22.84 min Scan# 2414

Delta R.T. -0.06 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

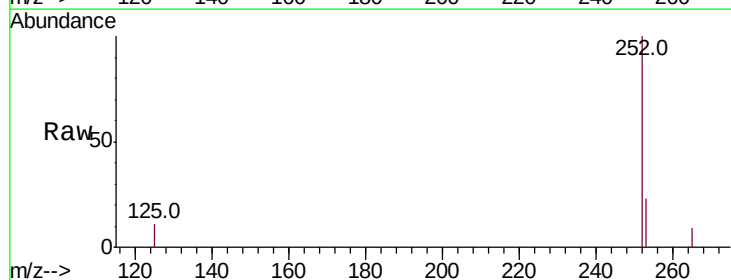
Tgt Ion:252 Resp: 51643

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

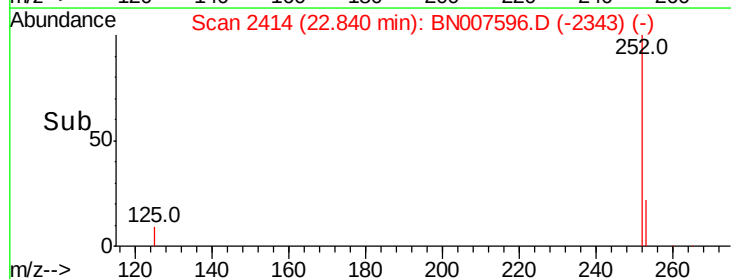
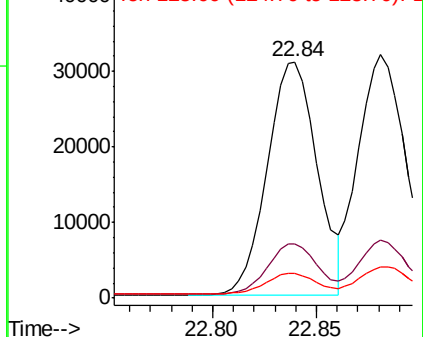
125 10.7 8.2 12.2

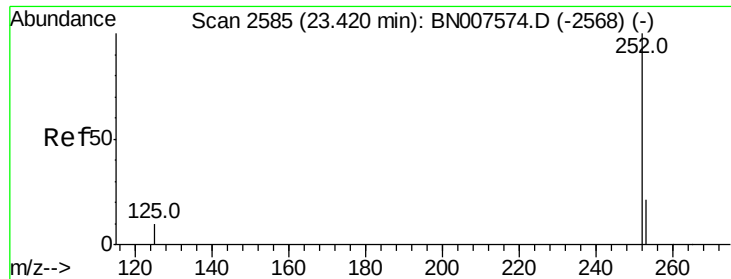


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.405 ng

RT: 23.40 min Scan# 2579

Delta R.T. -0.02 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :

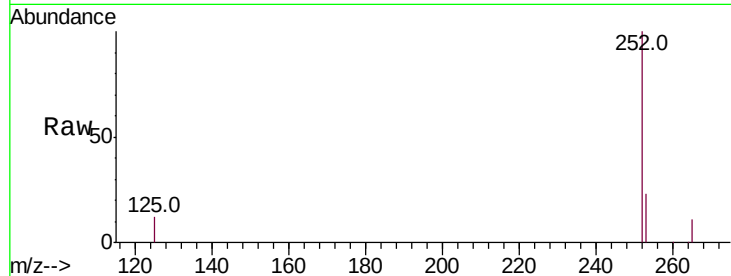
Tot Ion:252 Resp: 46297

Ion Ratio Lower Upper

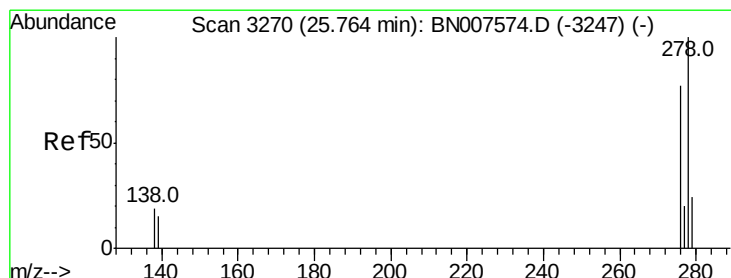
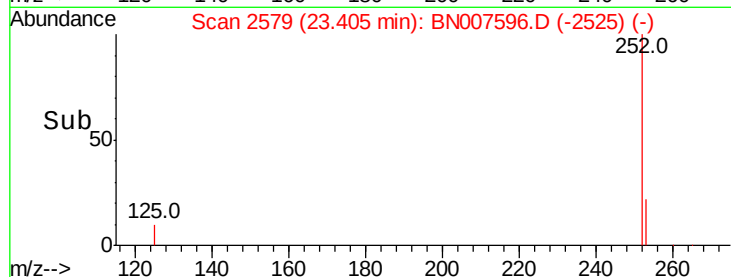
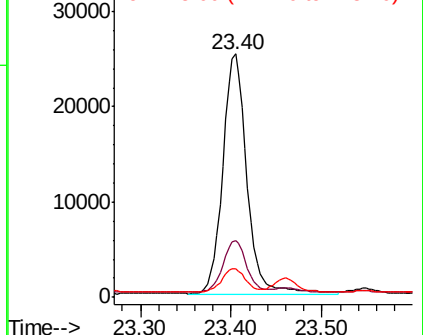
252 100

253 23.4 18.6 28.0

125 11.9 9.2 13.8



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



#38

Dibenzo(a,h)anthracene

Concen: 0.424 ng

RT: 25.74 min Scan# 3262

Delta R.T. -0.02 min

Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

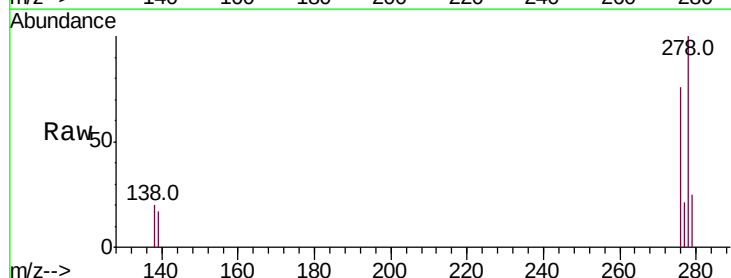
Tgt Ion:278 Resp: 48627

Ion Ratio Lower Upper

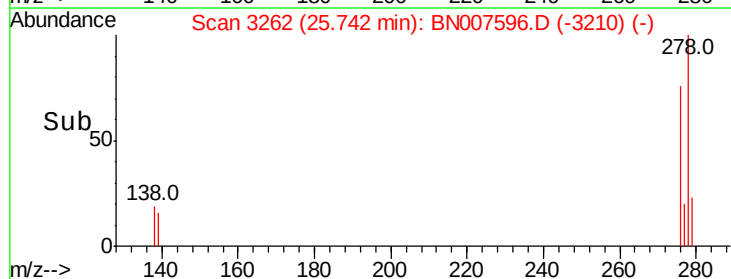
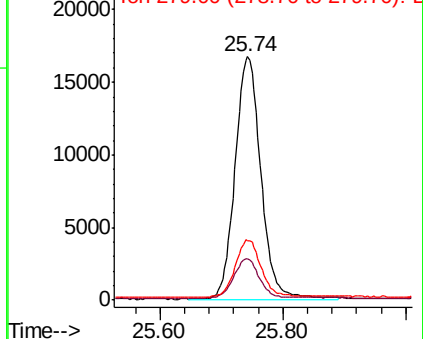
278 100

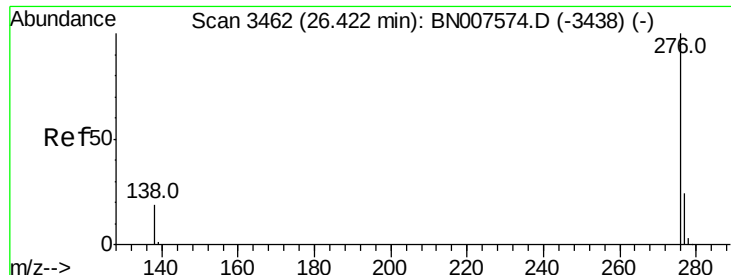
139 16.8 12.5 18.7

279 24.6 20.2 30.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.409 ng

RT: 26.40 min Scan# 3453

Delta R.T. -0.03 min

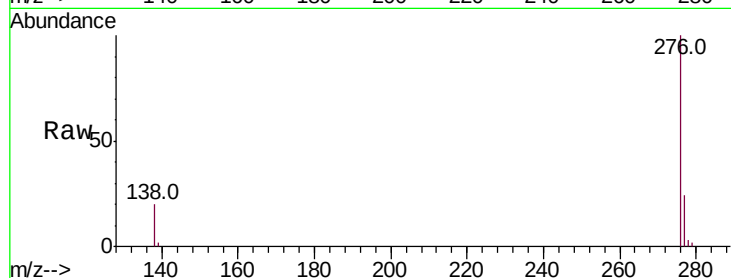
Lab File: BN007596.D

Acq: 11 Sep 2019 20:02

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 47506

Ion Ratio Lower Upper

276 100

277 24.2 19.7 29.5

138 20.0 15.9 23.9

