

Data File : BN007340.D
Acq On : 23 Aug 2019 23:13
Operator : HP/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN082319

Quant Time: Aug 24 07:33:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:38:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4076	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	16865	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	9193	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	20795	0.40	ng	0.00
27) Chrysene-d12	21.02	240	20481	0.40	ng	0.00
34) Perylene-d12	23.13	264	22286	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	5674	0.40	ng	0.00
5) Phenol-d6	6.59	99	6790	0.38	ng	0.00
8) Nitrobenzene-d5	8.53	82	5704	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	11512	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1760	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	14988	0.40	ng	0.00
25) Fluoranthene-d10	18.84	212	28141	0.42	ng	0.00
29) Terphenyl-d14	19.47	244	22290	0.42	ng	0.00

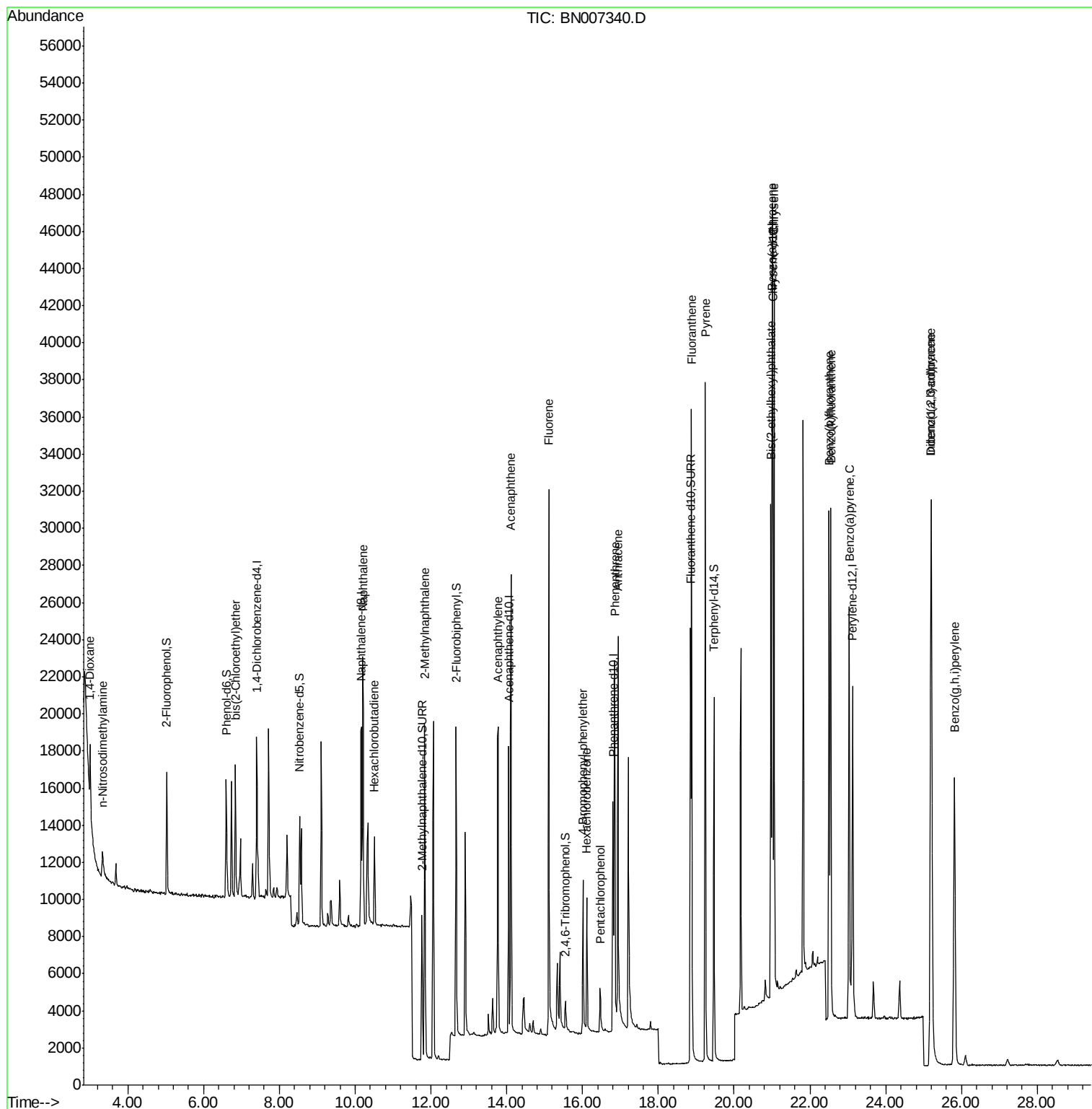
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.01	88	2711	0.400	ng	# 87
3) n-Nitrosodimethylamine	3.33	42	1126	0.358	ng	90
6) bis(2-Chloroethyl)ether	6.84	93	6206	0.422	ng	96
9) Naphthalene	10.20	128	19975	0.414	ng	94
10) Hexachlorobutadiene	10.51	225	4064	0.412	ng	# 98
12) 2-Methylnaphthalene	11.84	142	13637	0.415	ng	99
16) Acenaphthylene	13.77	152	21710	0.399	ng	99
17) Acenaphthene	14.11	154	12994	0.408	ng	97
18) Fluorene	15.10	166	16232	0.403	ng	100
20) 4-Bromophenyl-phenylether	16.01	248	3901	0.476	ng	# 89
21) Hexachlorobenzene	16.11	284	5885	0.422	ng	97
22) Pentachlorophenol	16.46	266	1663	0.384	ng	# 73
23) Phenanthrene	16.85	178	25299	0.404	ng	100
24) Anthracene	16.93	178	25660	0.408	ng	99
26) Fluoranthene	18.87	202	33198	0.413	ng	100
28) Pyrene	19.24	202	34472	0.418	ng	100
30) Benzo(a)anthracene	21.00	228	32618	0.406	ng	100
31) Chrysene	21.06	228	33254	0.428	ng	99
32) Bis(2-ethylhexyl)phthalate	20.97	149	22222	0.408	ng	99
33) Indeno(1,2,3-cd)pyrene	25.19	276	38788	0.415	ng	99
35) Benzo(b)fluoranthene	22.51	252	33361	0.413	ng	97
36) Benzo(k)fluoranthene	22.55	252	33376	0.418	ng	99
37) Benzo(a)pyrene	23.04	252	31707	0.413	ng	97
38) Dibenzo(a,h)anthracene	25.20	278	31577	0.412	ng	98
39) Benzo(g,h,i)perylene	25.81	276	31255	0.409	ng	98

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

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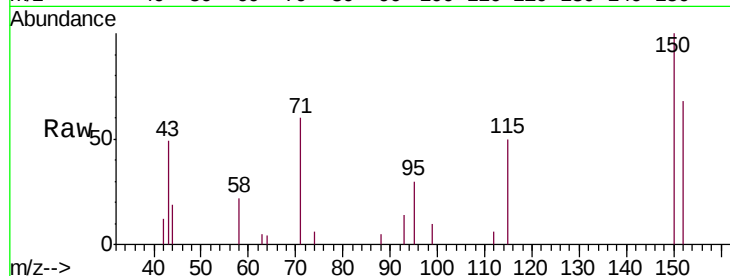


#1

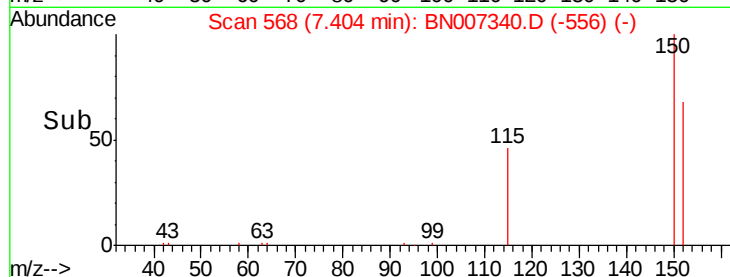
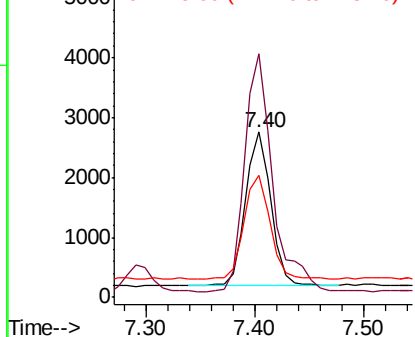
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007340.D
Acq: 23 Aug 2019 23:13

Instrument :
BNA_N
ClientSampleId :
ICVBN082319

Tgt Ion:152 Resp: 4076
Ion Ratio Lower Upper
152 100
150 147.5 109.1 163.7
115 74.3 59.6 89.4



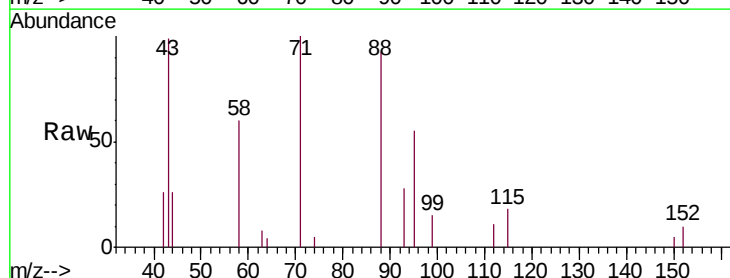
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



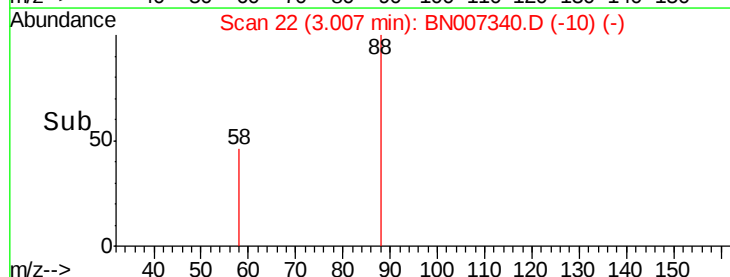
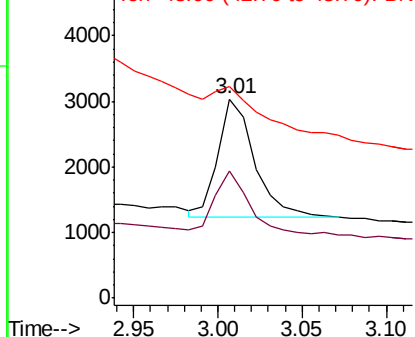
#2

1,4-Dioxane
Concen: 0.400 ng
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: BN007340.D
Acq: 23 Aug 2019 23:13

Tgt Ion: 88 Resp: 2711
Ion Ratio Lower Upper
88 100
58 53.2 50.5 75.7
43 0.0 0.0 0.0



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

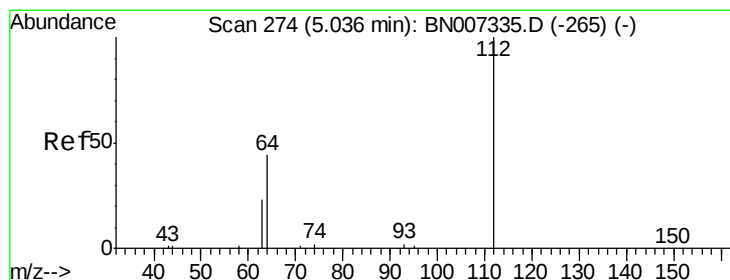
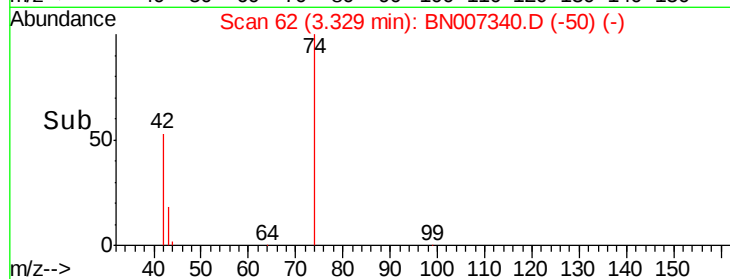
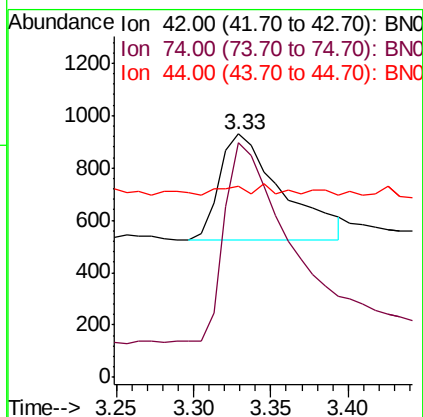
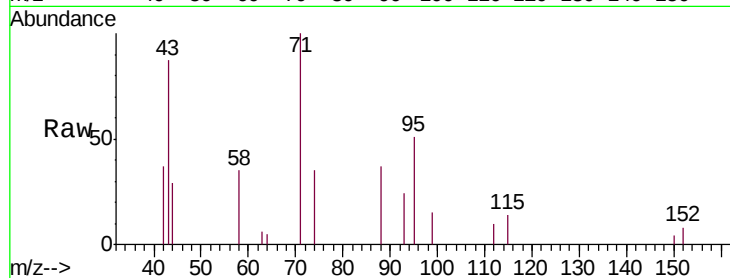




#3
n-Nitrosodimethylamine
Concen: 0.358 ng
RT: 3.33 min Scan# 62
Delta R.T. -0.00 min
Lab File: BN007340.D
Acq: 23 Aug 2019 23:13

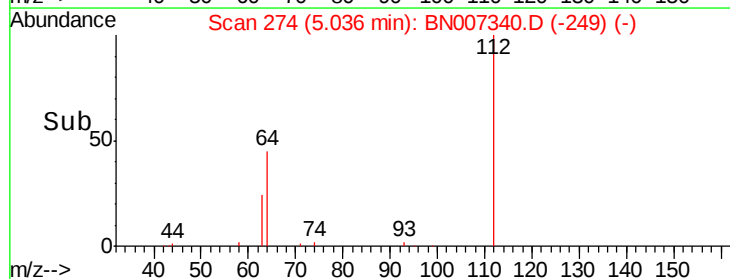
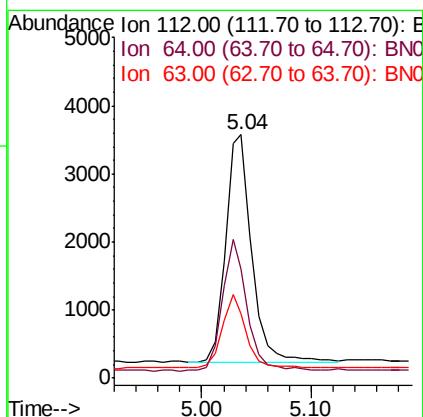
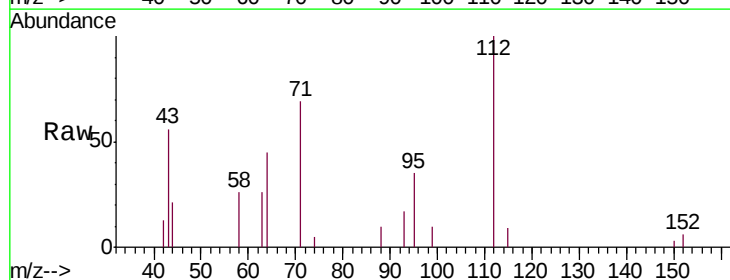
Instrument :
BNA_N
ClientSampleId :
ICVBN082319

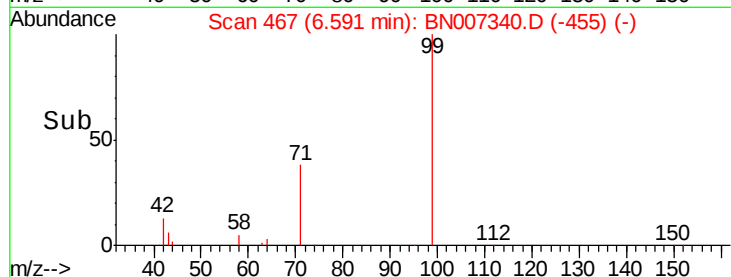
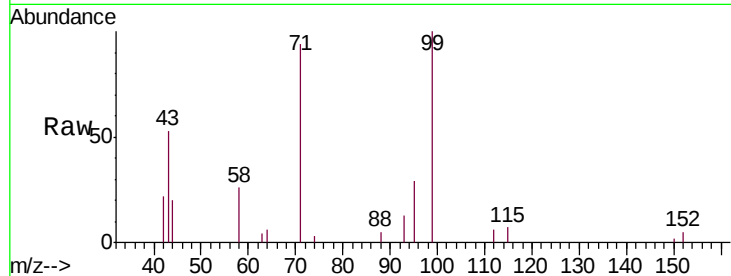
Tgt Ion: 42 Resp: 1126
Ion Ratio Lower Upper
42 100
74 195.3 144.7 217.1
44 3.9 3.2 4.8



#4
2-Fluorophenol
Concen: 0.401 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007340.D
Acq: 23 Aug 2019 23:13

Tgt Ion: 112 Resp: 5674
Ion Ratio Lower Upper
112 100
64 54.1 42.3 63.5
63 29.3 23.6 35.4





#5

Phenol-d6

Concen: 0.376 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

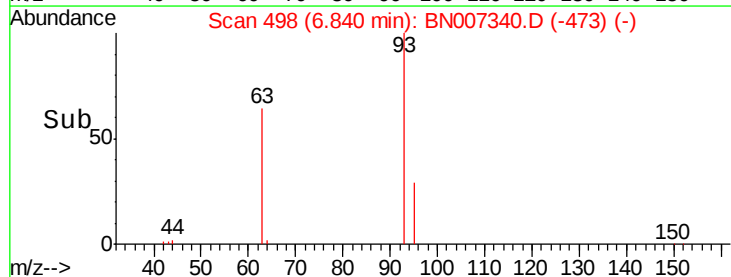
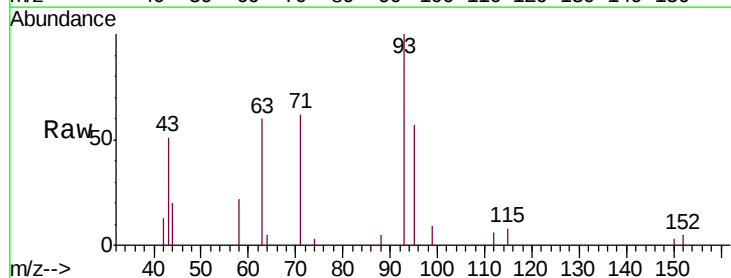
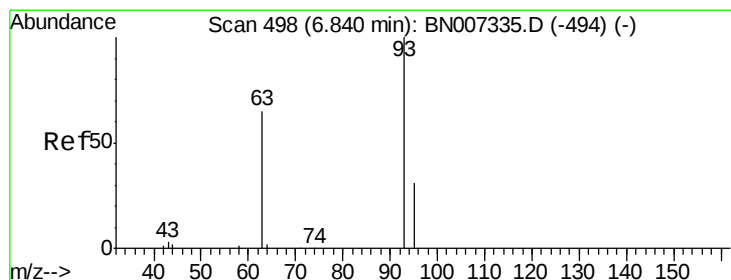
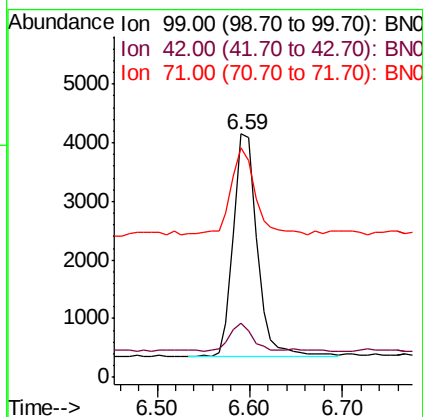
Tgt Ion: 99 Resp: 6790

Ion Ratio Lower Upper

99 100

42 12.3 11.2 16.8

71 39.2 31.8 47.8



#6

bis(2-Chloroethyl)ether

Concen: 0.422 ng

RT: 6.84 min Scan# 498

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

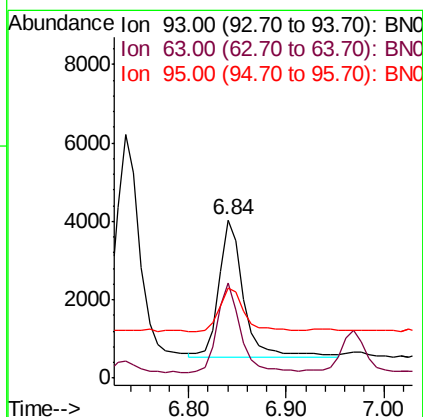
Tgt Ion: 93 Resp: 6206

Ion Ratio Lower Upper

93 100

63 60.8 51.9 77.9

95 33.5 27.7 41.5





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

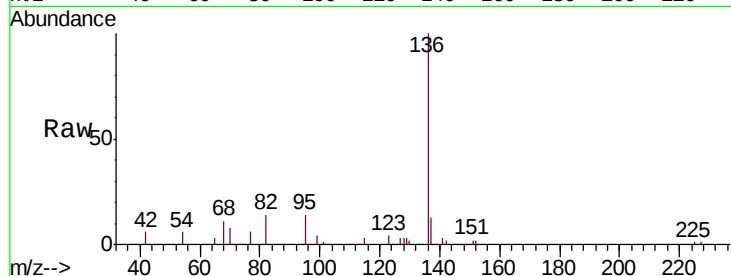
Instrument :

BNA_N

ClientSampleId :

ICVBN082319

Tgt Ion:	136	Resp:	16865
Ion	Ratio	Lower	Upper
136	100		
137	13.4	12.9	19.3
54	6.3	8.6	12.8#
68	10.7	17.0	25.4#

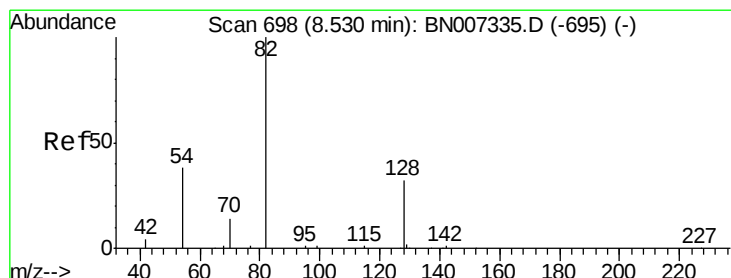
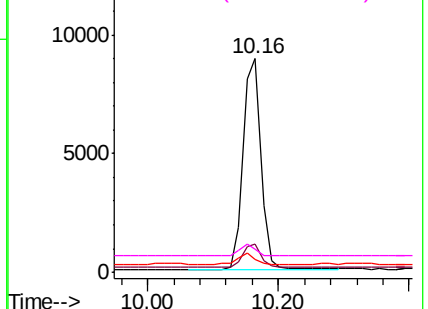
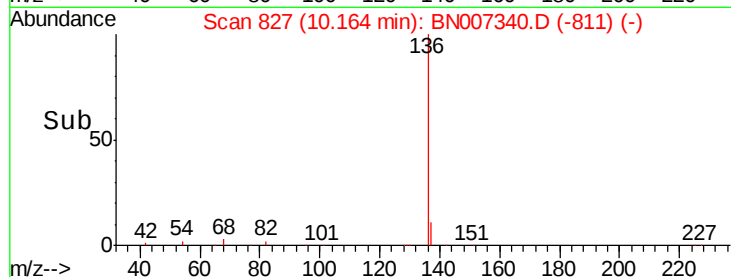


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.389 ng

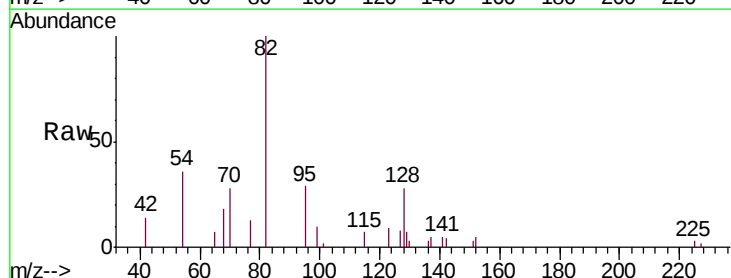
RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

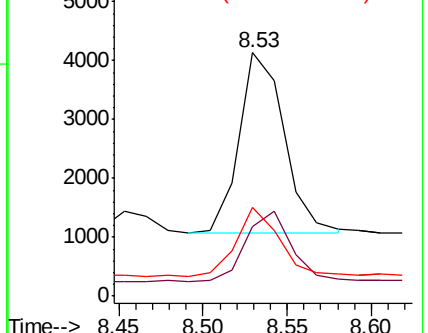
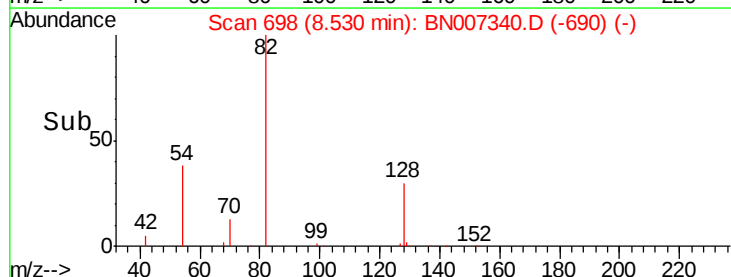
Tgt Ion:	82	Resp:	5704
Ion	Ratio	Lower	Upper
82	100		
128	28.4	19.7	29.5
54	36.4	25.8	38.6



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: 0.414 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

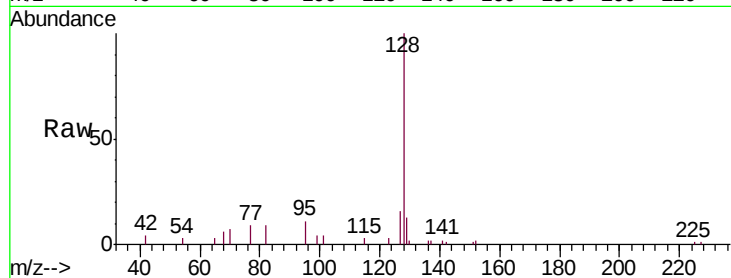
Tgt Ion:128 Resp: 19975

Ion Ratio Lower Upper

128 100

129 12.7 11.1 16.7

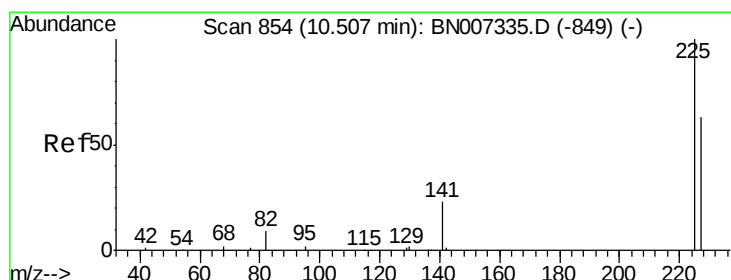
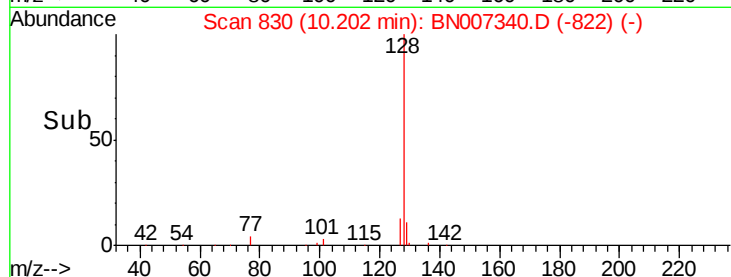
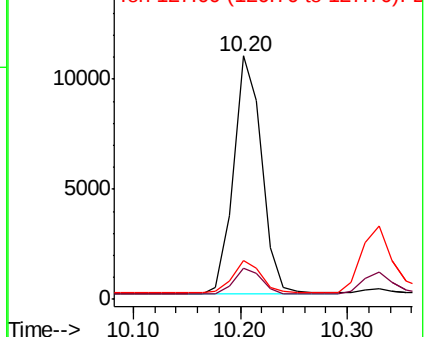
127 15.8 15.5 23.3



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: 0.412 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

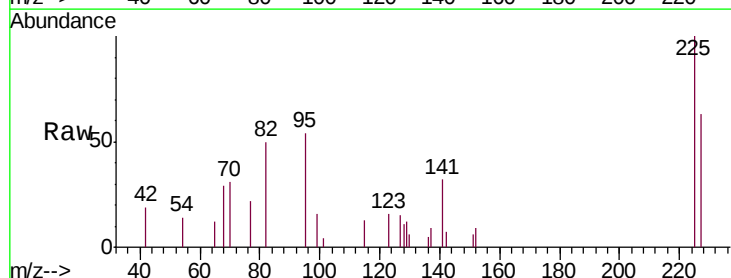
Tgt Ion:225 Resp: 4064

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

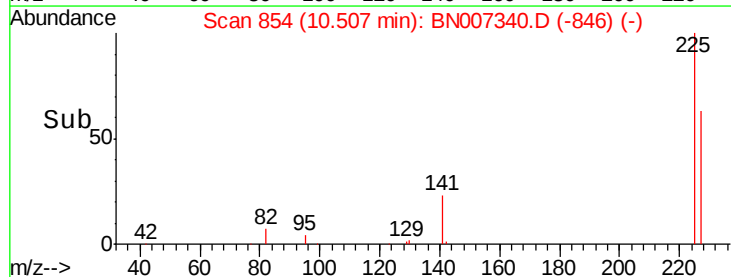
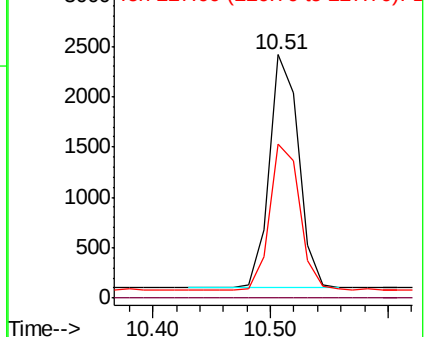
227 64.6 50.7 76.1



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: 0.411 ng

RT: 11.76 min Scan# 990

Delta R.T. -0.00 min

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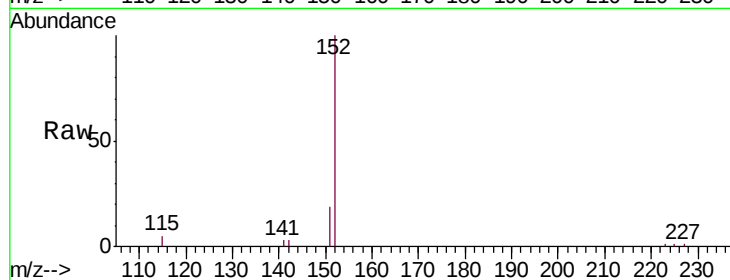
ICVBN082319

Tgt Ion:152 Resp: 11512

Ion Ratio Lower Upper

152 100

151 19.0 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

8000

6000

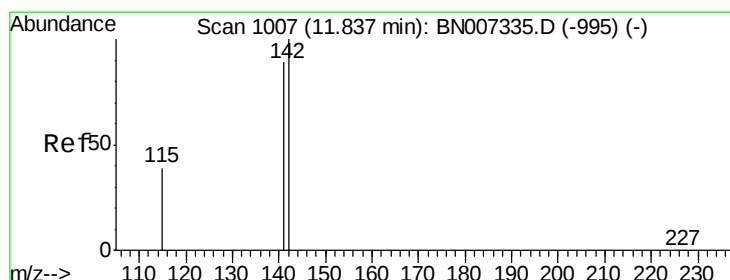
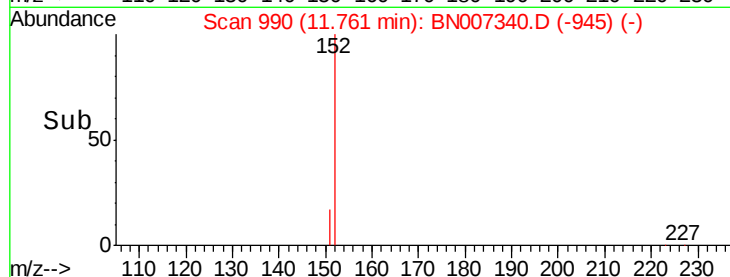
4000

2000

0

Time-->

11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.415 ng

RT: 11.84 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

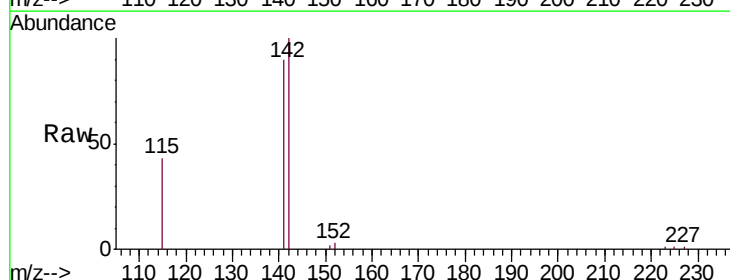
Tgt Ion:142 Resp: 13637

Ion Ratio Lower Upper

142 100

141 90.5 72.8 109.2

115 42.8 35.2 52.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.84

10000

8000

6000

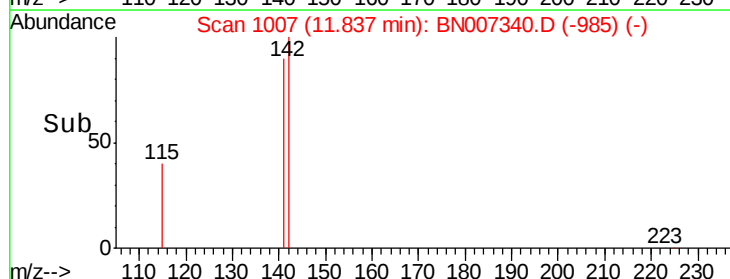
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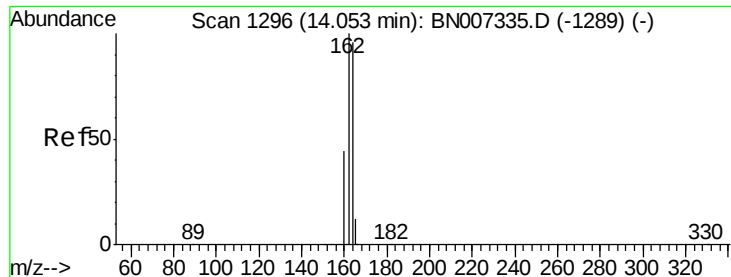
2000

0

Time-->

11.70 11.80 11.90 12.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

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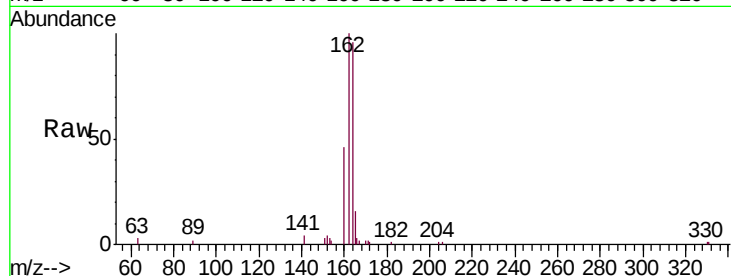
Tgt Ion:164 Resp: 9193

Ion Ratio Lower Upper

164 100

162 104.6 83.5 125.3

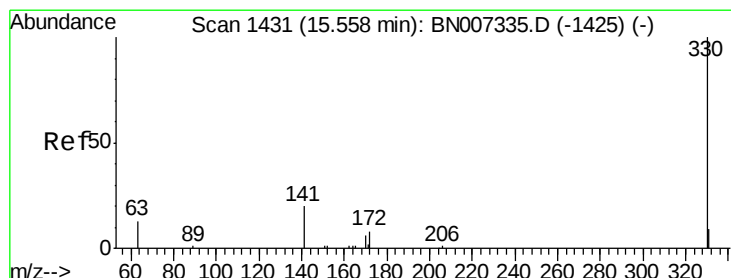
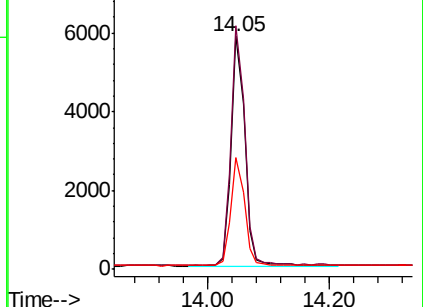
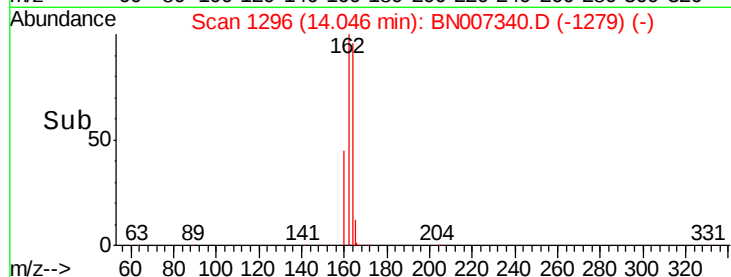
160 47.9 38.2 57.4



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: 0.366 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

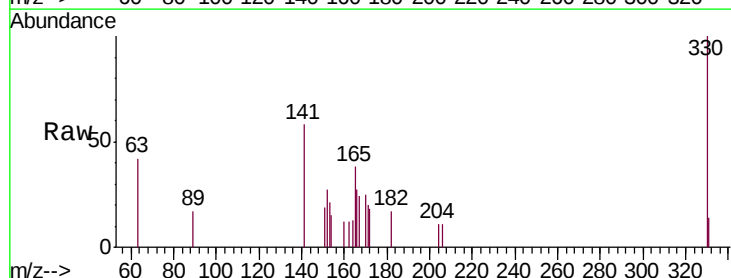
Tgt Ion:330 Resp: 1760

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

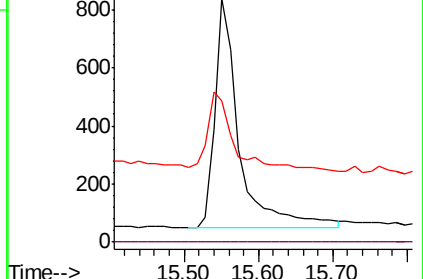
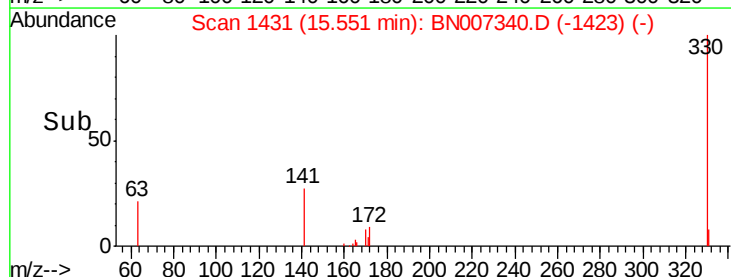
141 38.3 26.9 40.3



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

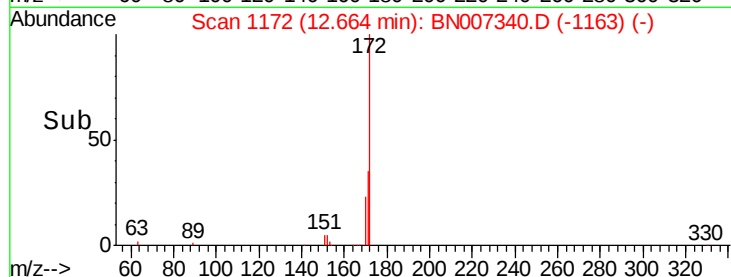
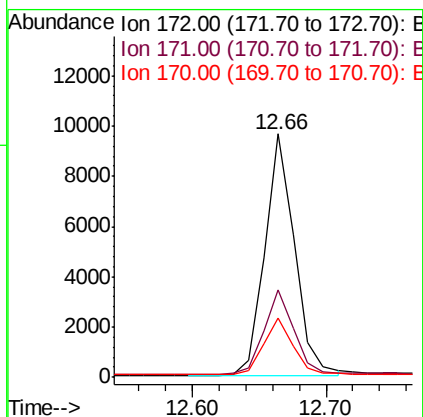
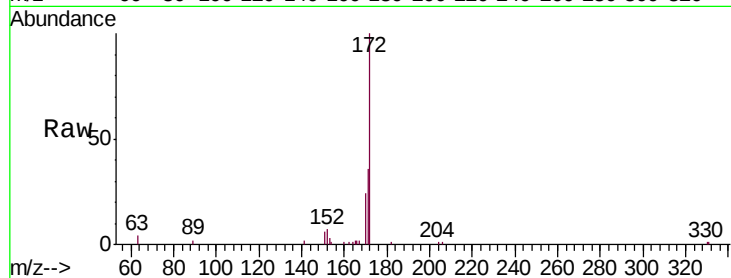




#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007340.D
Acq: 23 Aug 2019 23:13

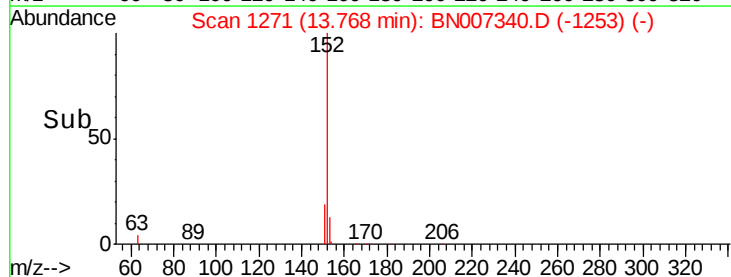
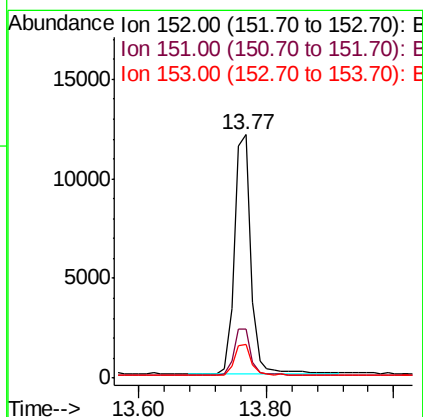
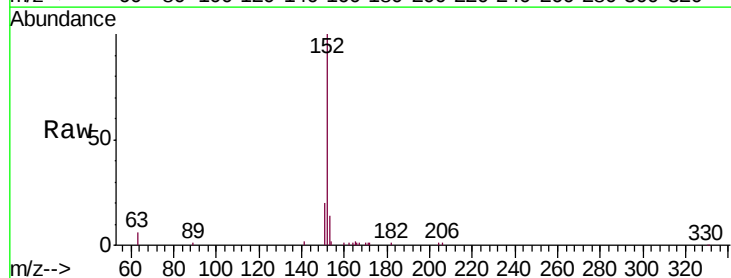
Instrument :
BNA_N
ClientSampleId :
ICVBN082319

Tgt Ion:172 Resp: 14988
Ion Ratio Lower Upper
172 100
171 35.9 30.3 45.5
170 24.3 20.7 31.1



#16
Acenaphthylene
Concen: 0.399 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007340.D
Acq: 23 Aug 2019 23:13

Tgt Ion:152 Resp: 21710
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.6 10.6 15.8





#17

Acenaphthene

Concen: 0.408 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

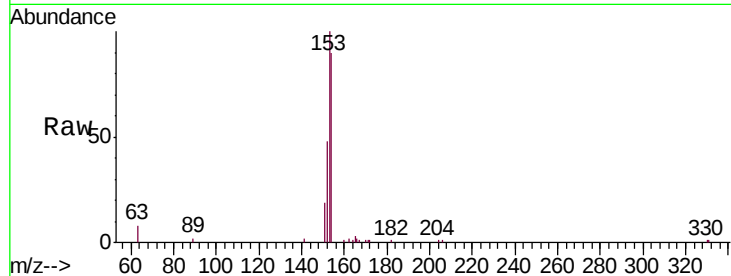
Tgt Ion:154 Resp: 12994

Ion Ratio Lower Upper

154 100

153 113.2 92.8 139.2

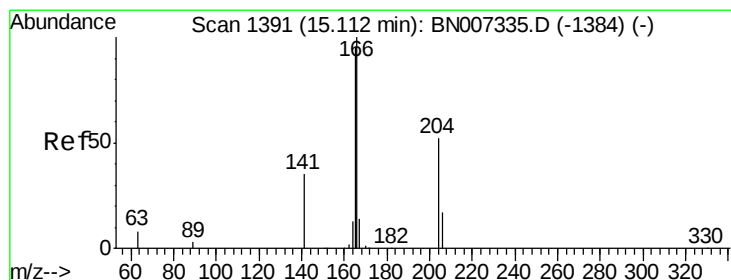
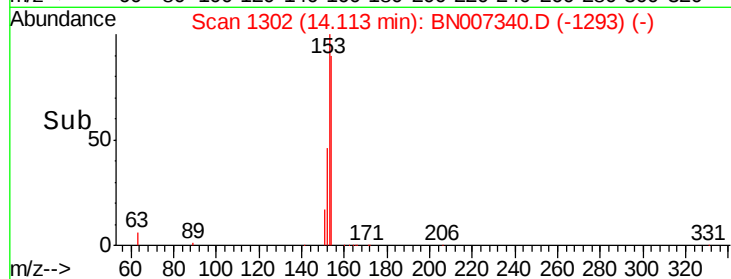
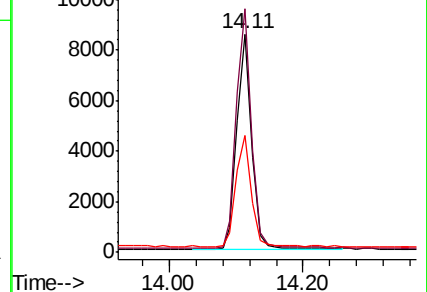
152 52.8 43.8 65.8



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: 0.403 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

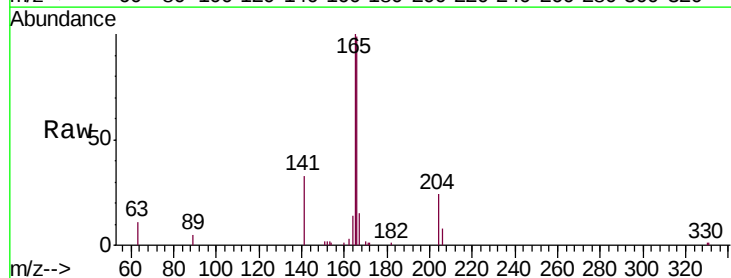
Tgt Ion:166 Resp: 16232

Ion Ratio Lower Upper

166 100

165 98.8 79.0 118.4

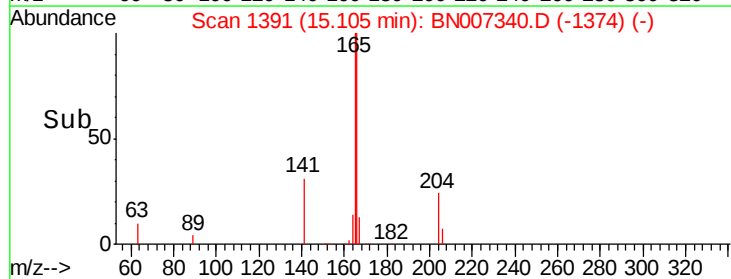
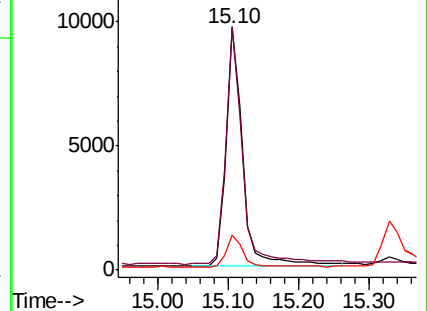
167 13.2 10.6 15.8



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: 16.80 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

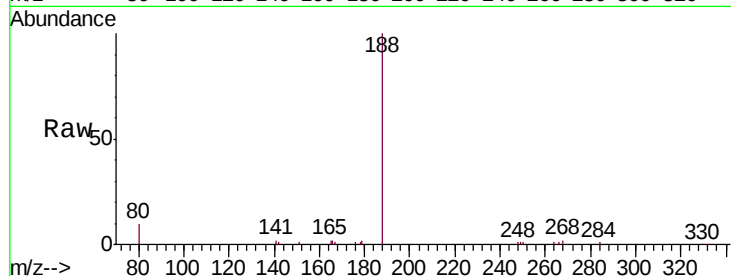
Tgt Ion:188 Resp: 20795

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.4 11.8 17.8#



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

15000

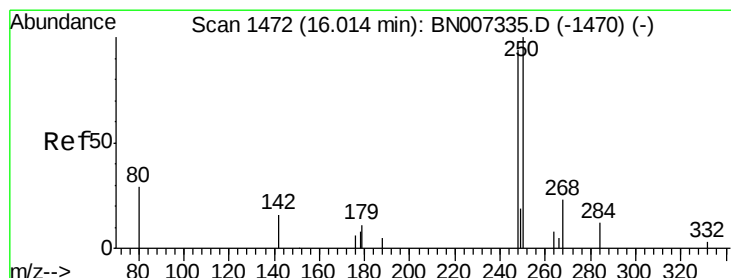
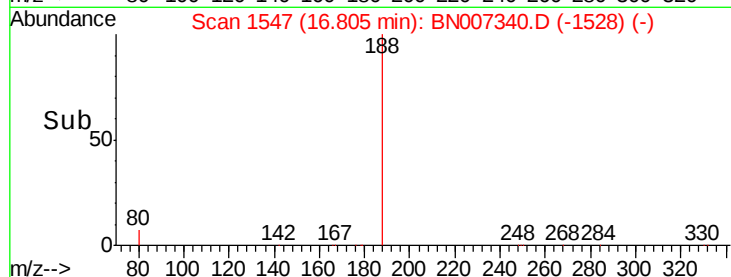
10000

5000

0

16.60 16.80 17.00

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.476 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

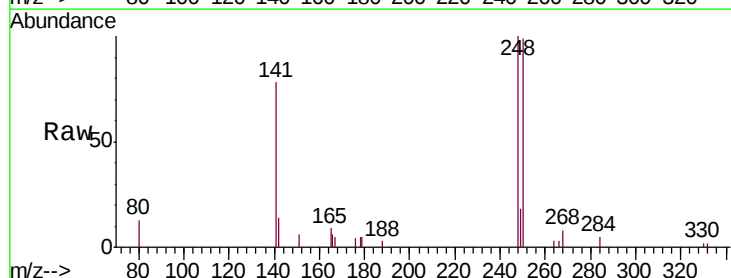
Tgt Ion:248 Resp: 3901

Ion Ratio Lower Upper

248 100

250 98.9 85.0 127.6

141 78.0 51.7 77.5#



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

3000

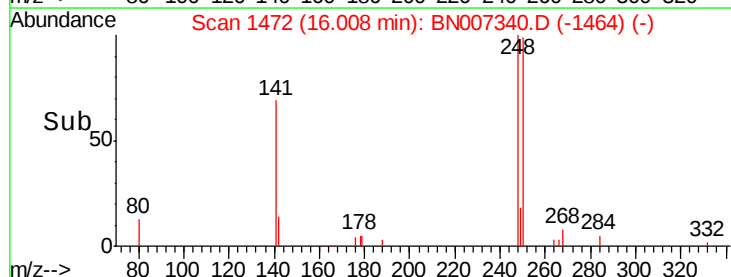
2000

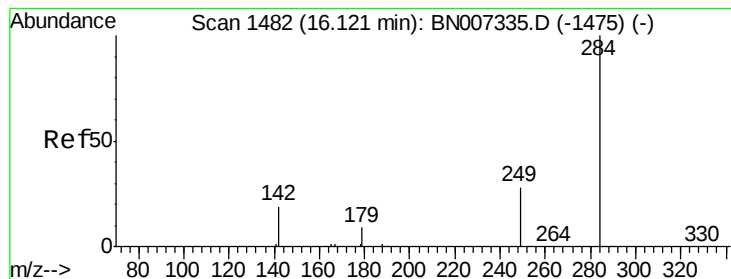
1000

0

15.95 16.00 16.05 16.10

Time-->





#21

Hexachlorobenzene

Concen: 0.422 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

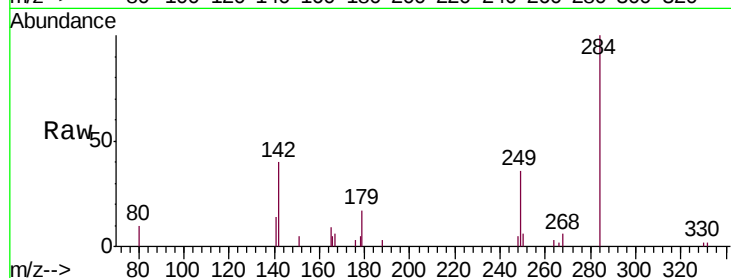
Tgt Ion:284 Resp: 5885

Ion Ratio Lower Upper

284 100

142 33.6 29.0 43.6

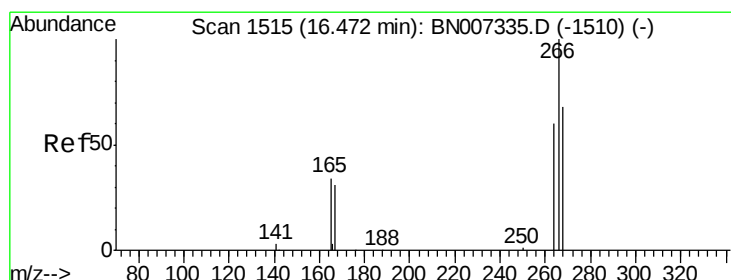
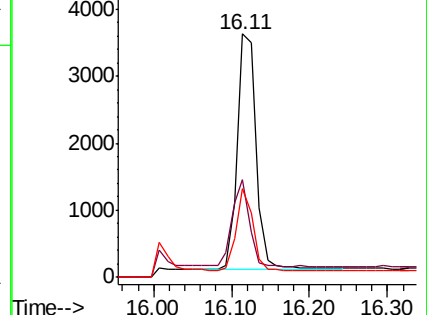
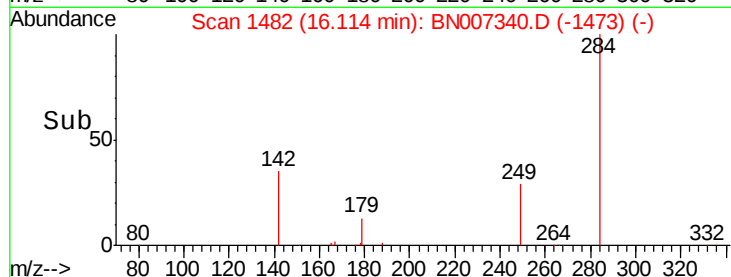
249 31.2 24.9 37.3



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: 0.384 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

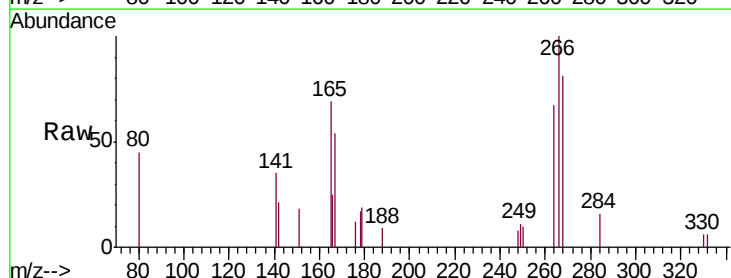
Tgt Ion:266 Resp: 1663

Ion Ratio Lower Upper

266 100

264 66.9 57.8 86.8

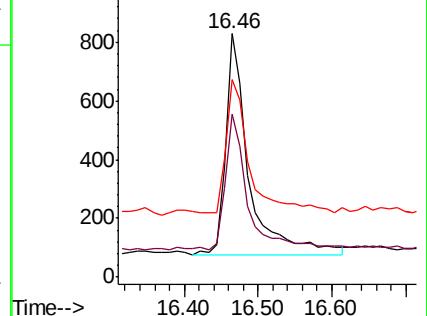
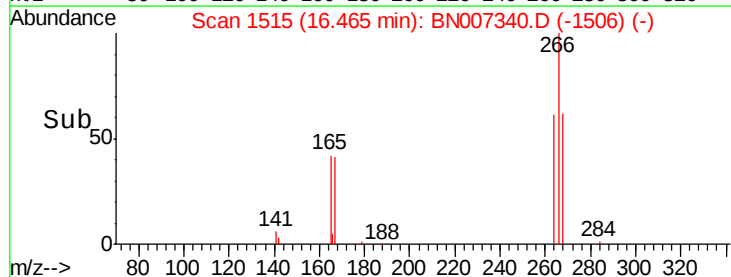
268 81.1 99.7 149.5#



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: 0.404 ng

RT: 16.85 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

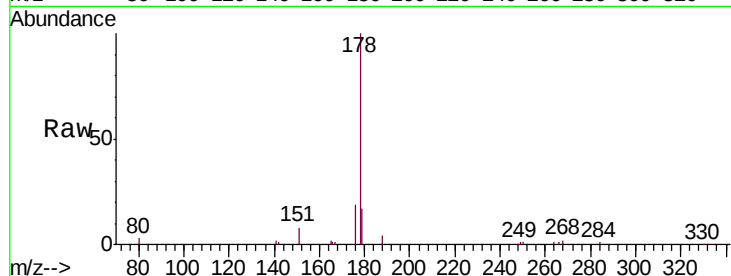
Tgt Ion:178 Resp: 25299

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

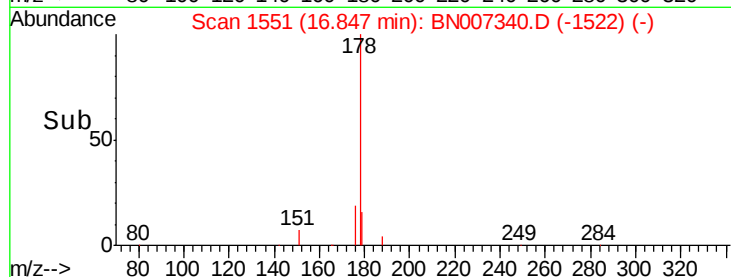
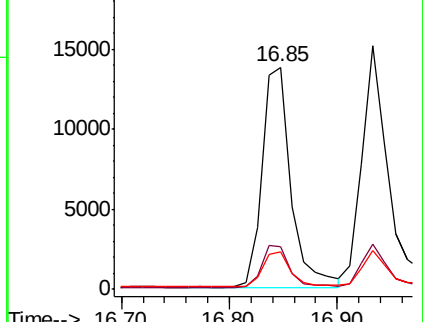
179 15.7 12.6 19.0



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: 0.408 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

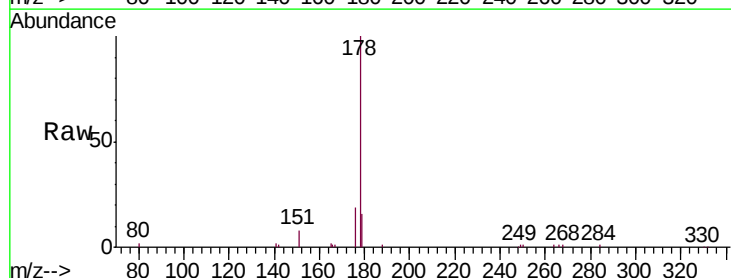
Tgt Ion:178 Resp: 25660

Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

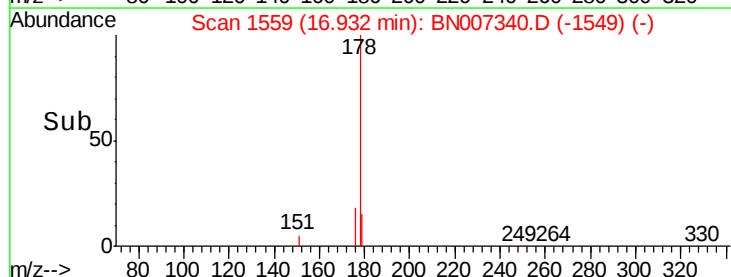
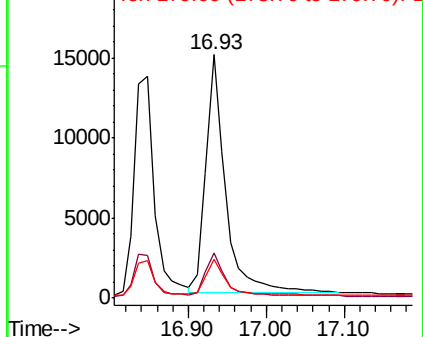
179 15.3 12.4 18.6



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: 0.420 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

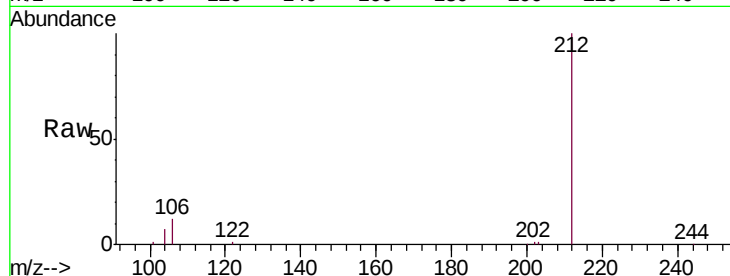
Tgt Ion:212 Resp: 28141

Ion Ratio Lower Upper

212 100

106 11.2 9.0 13.4

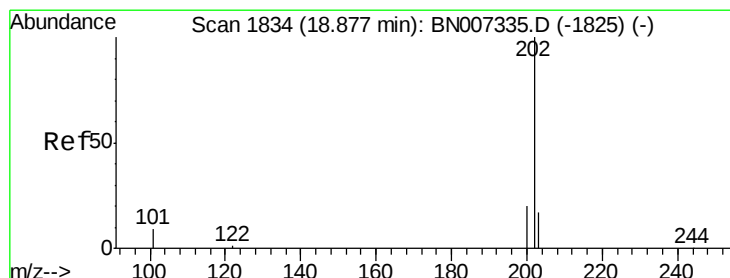
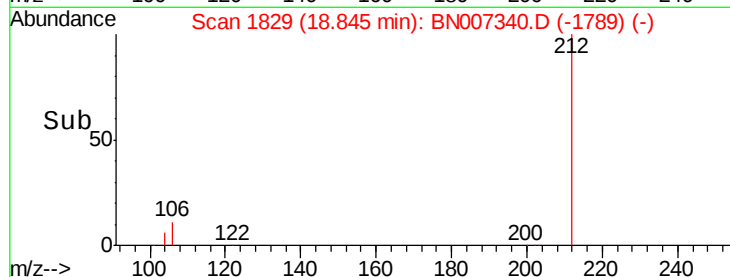
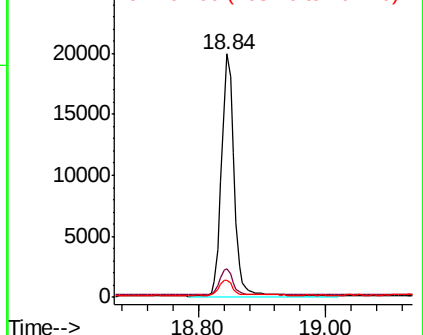
104 6.8 5.4 8.2



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: 0.413 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

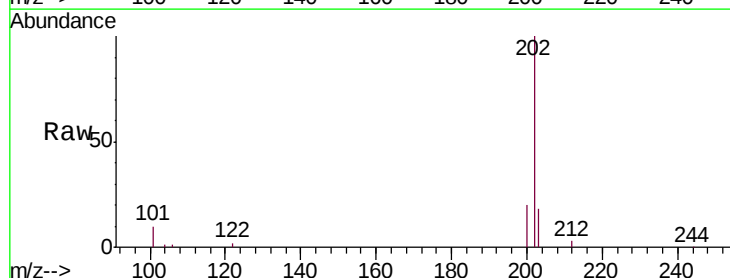
Tgt Ion:202 Resp: 33198

Ion Ratio Lower Upper

202 100

101 9.8 7.7 11.5

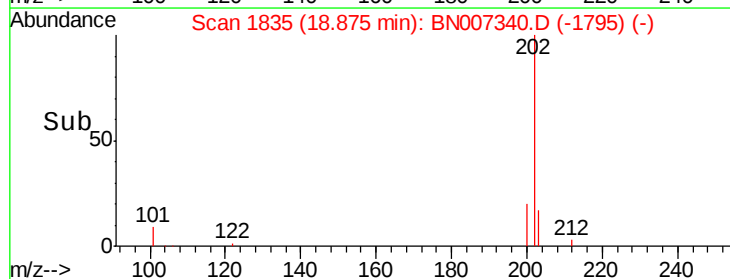
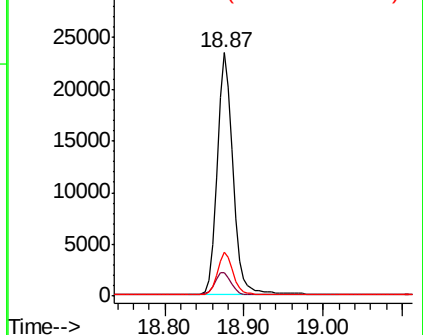
203 17.1 13.7 20.5



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: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

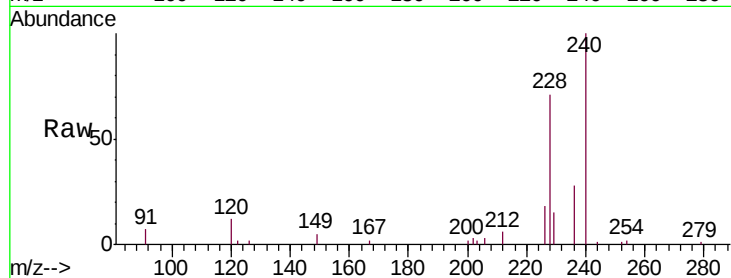
Tgt Ion:240 Resp: 20481

Ion Ratio Lower Upper

240 100

120 12.3 9.6 14.4

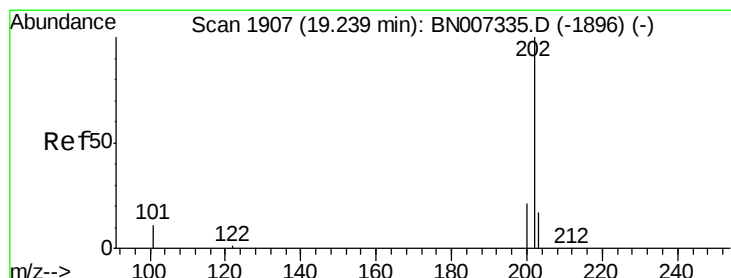
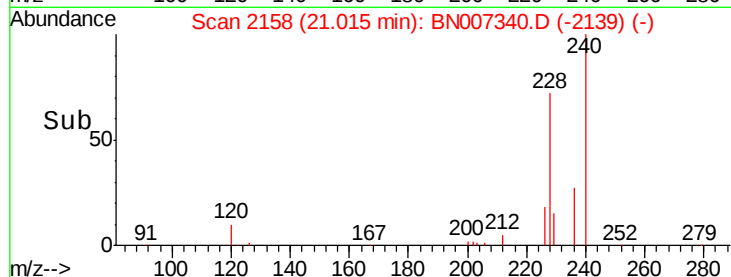
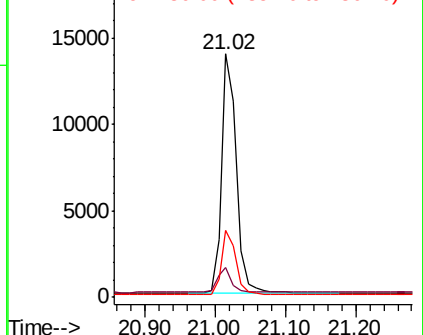
236 27.7 22.2 33.2



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: 0.418 ng

RT: 19.24 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

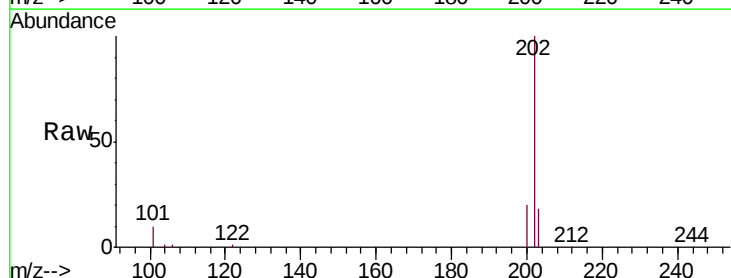
Tgt Ion:202 Resp: 34472

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

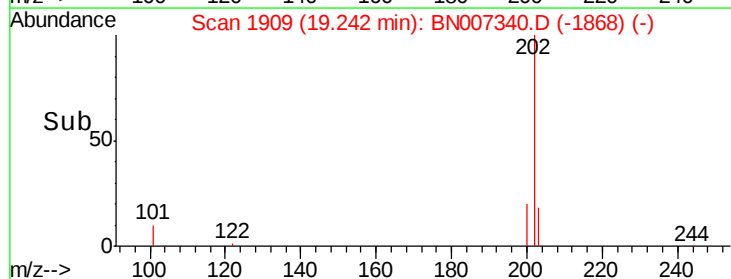
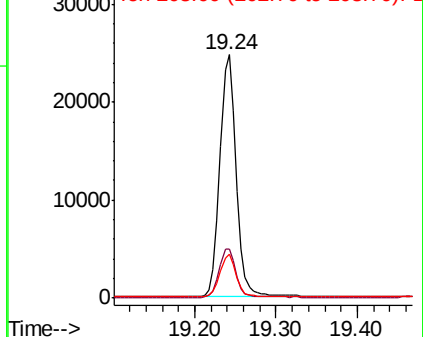
203 17.7 14.2 21.4



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: 0.416 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

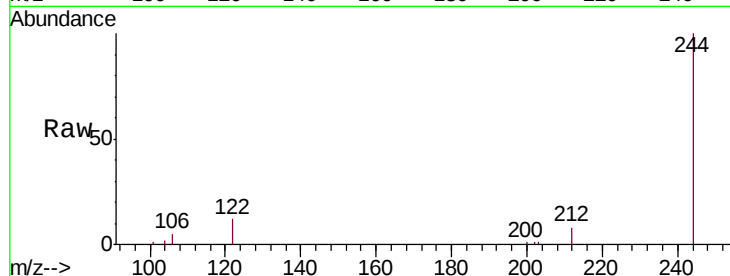
Tgt Ion:244 Resp: 22290

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

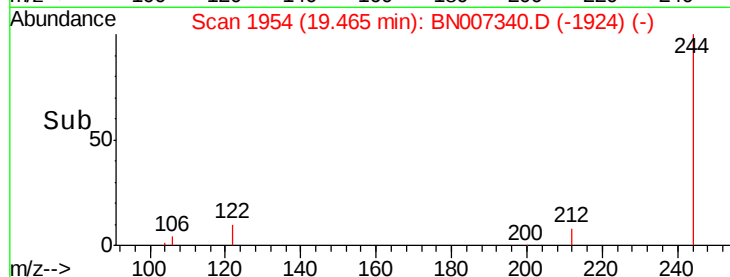
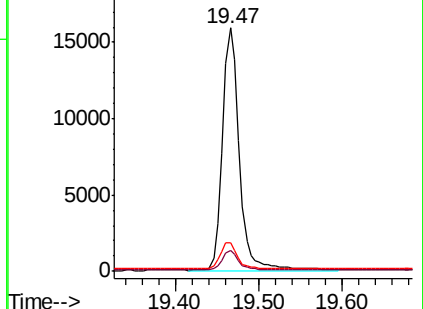
122 11.6 9.6 14.4



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: 0.406 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

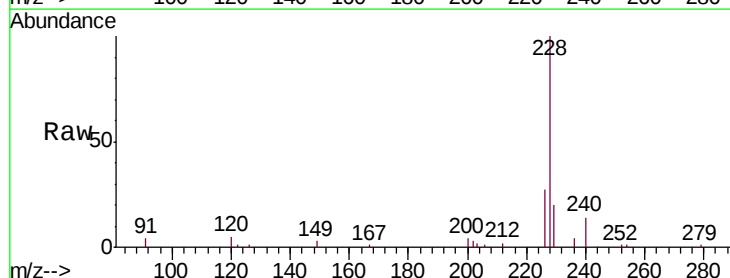
Tgt Ion:228 Resp: 32618

Ion Ratio Lower Upper

228 100

226 26.7 21.3 31.9

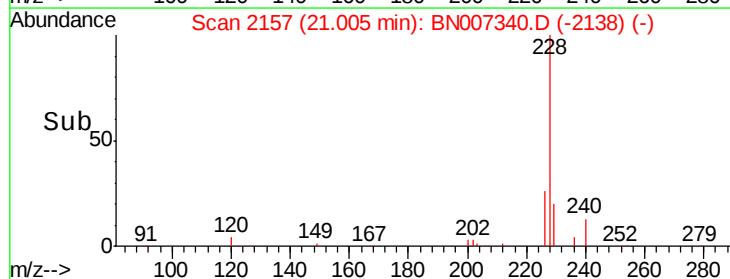
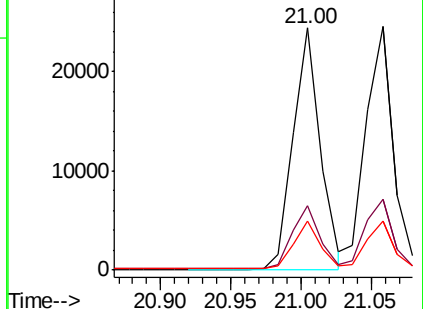
229 20.3 16.1 24.1



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: 0.428 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

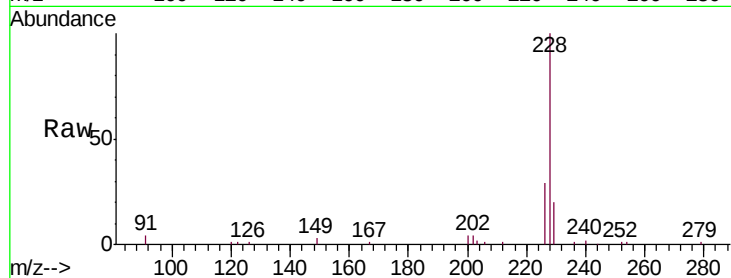
Tgt Ion:228 Resp: 33254

Ion Ratio Lower Upper

228 100

226 29.0 23.5 35.3

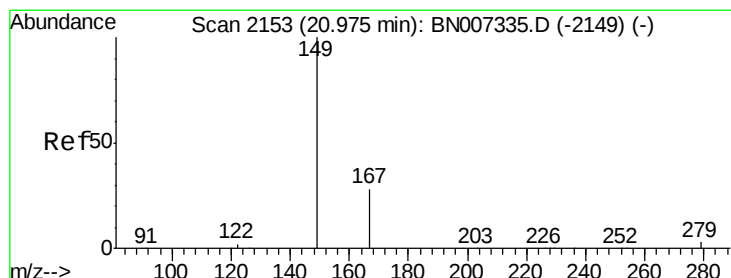
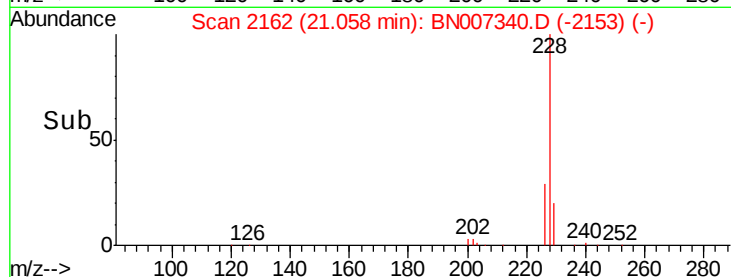
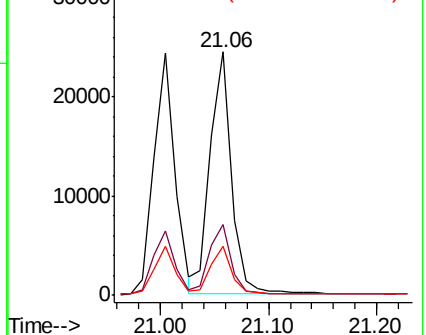
229 20.2 16.6 24.8



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: 0.408 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

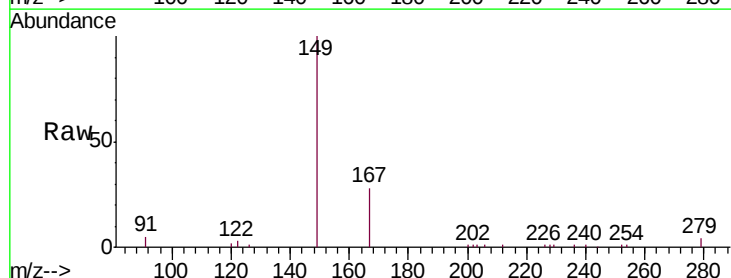
Tgt Ion:149 Resp: 22222

Ion Ratio Lower Upper

149 100

167 27.8 22.8 34.2

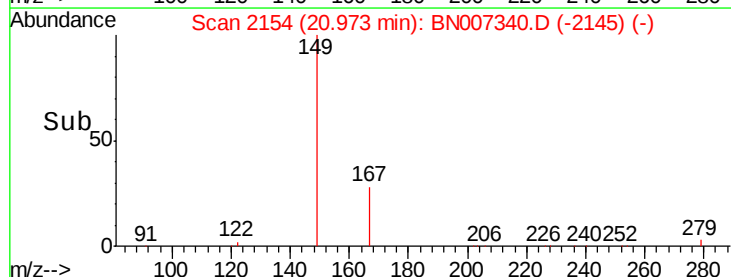
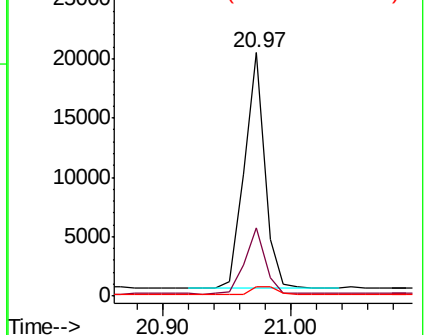
279 4.4 3.5 5.3



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: 0.415 ng

RT: 25.19 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

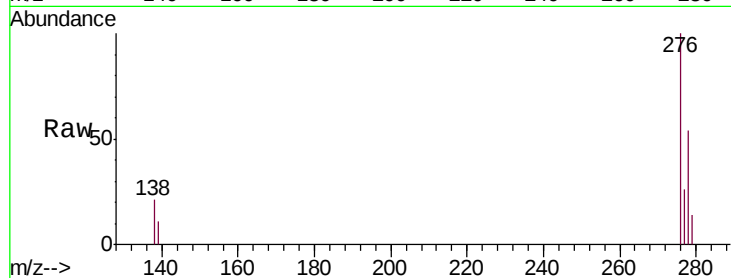
Tgt Ion:276 Resp: 38788

Ion Ratio Lower Upper

276 100

138 19.4 15.1 22.7

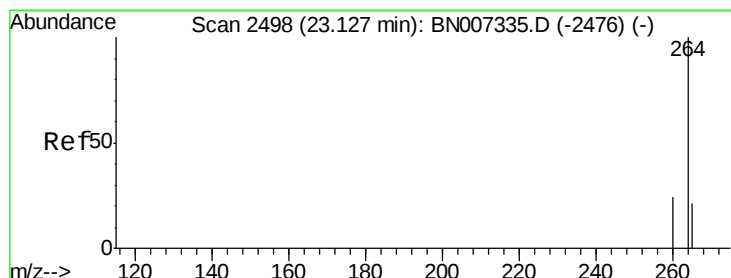
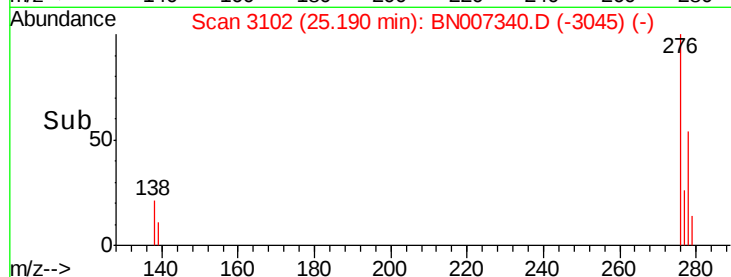
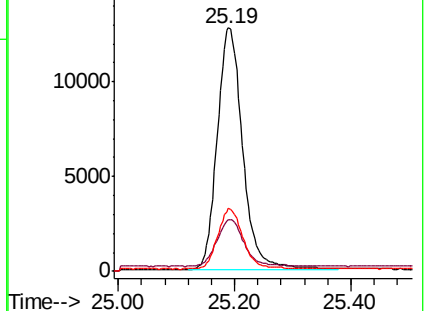
277 24.9 19.7 29.5



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: 23.13 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

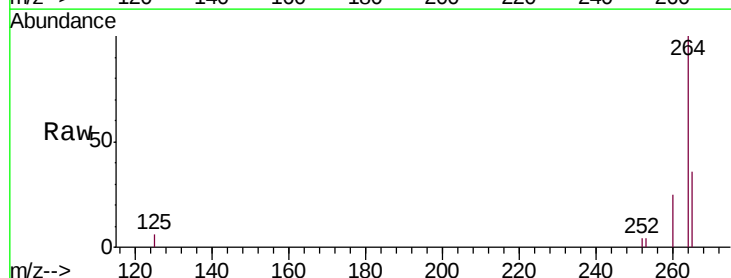
Tgt Ion:264 Resp: 22286

Ion Ratio Lower Upper

264 100

260 25.0 19.7 29.5

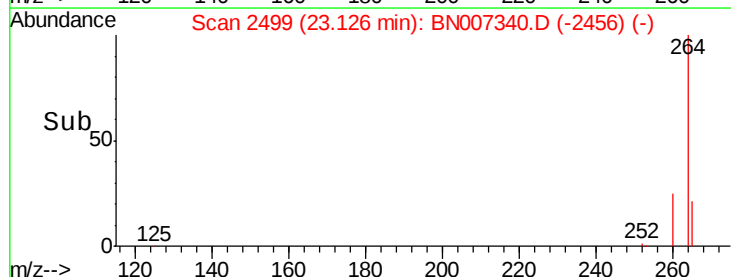
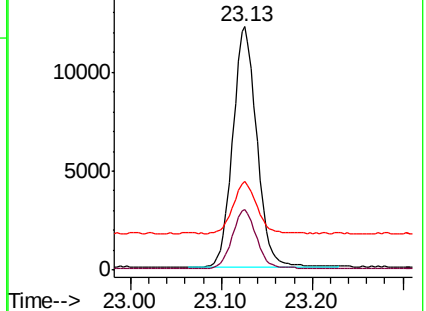
265 36.4 29.9 44.9



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: 0.413 ng

RT: 22.51 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

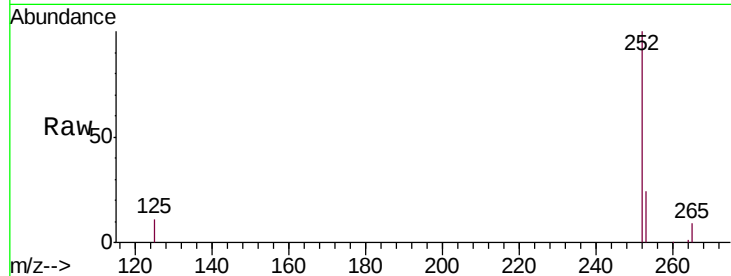
Tgt Ion:252 Resp: 33361

Ion Ratio Lower Upper

252 100

253 23.6 19.2 28.8

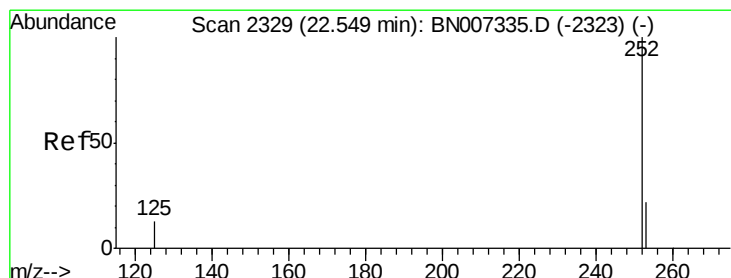
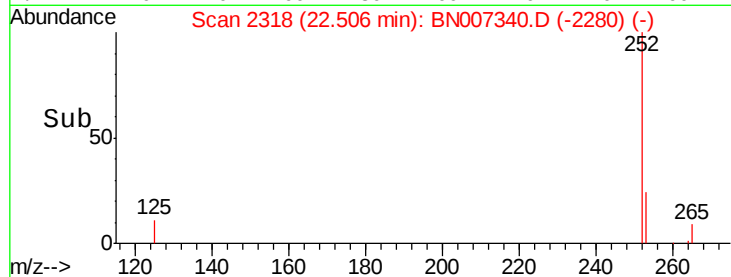
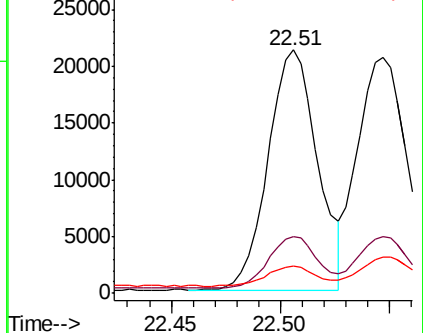
125 11.1 10.6 16.0



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



#36

Benzo(k)fluoranthene

Concen: 0.418 ng

RT: 22.55 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

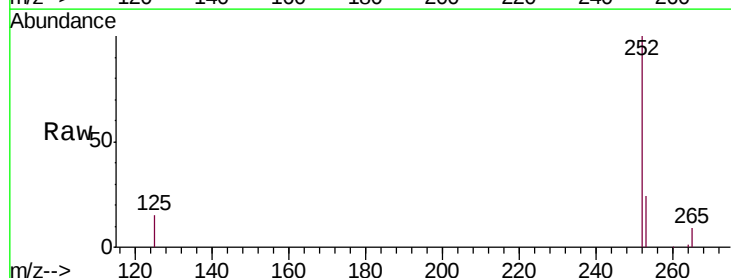
Tgt Ion:252 Resp: 33376

Ion Ratio Lower Upper

252 100

253 23.9 19.4 29.2

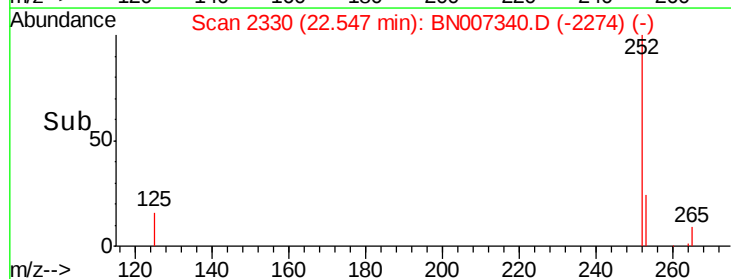
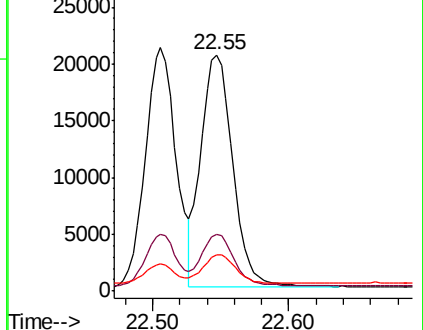
125 15.3 13.1 19.7

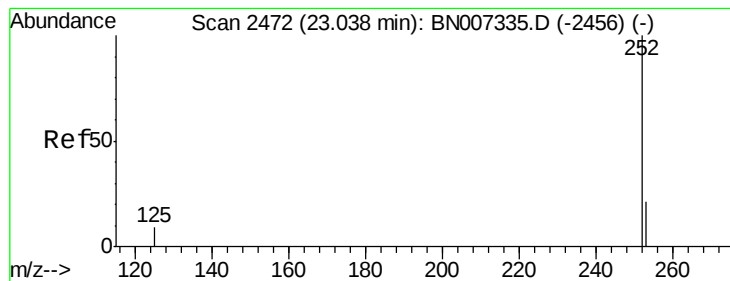


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.413 ng

RT: 23.04 min Scan# 2473

Delta R.T. -0.00 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319

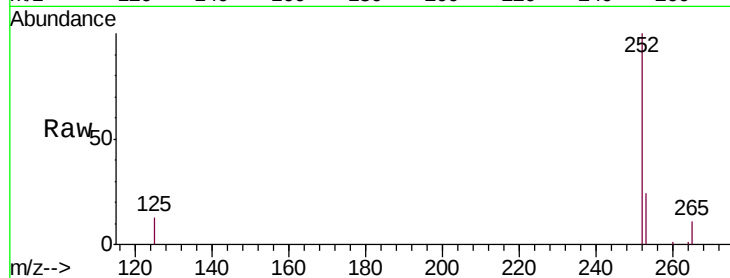
Tgt Ion: 252 Resp: 31707

Ion Ratio Lower Upper

252 100

253 23.6 19.5 29.3

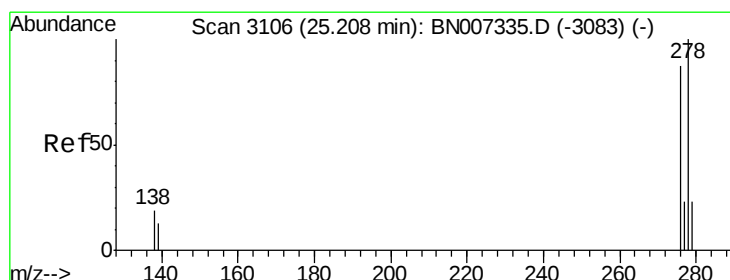
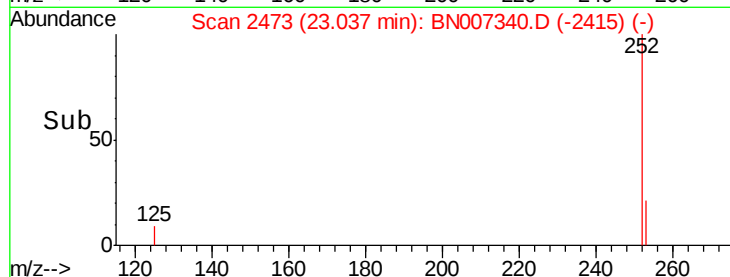
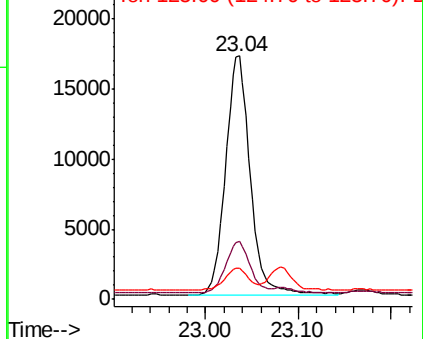
125 13.0 12.1 18.1



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: 0.412 ng

RT: 25.20 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN007340.D

Acq: 23 Aug 2019 23:13

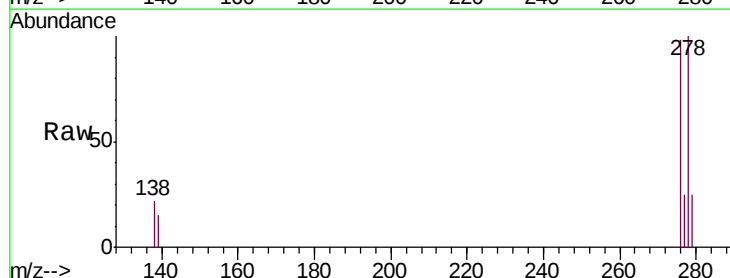
Tgt Ion: 278 Resp: 31577

Ion Ratio Lower Upper

278 100

139 15.3 13.7 20.5

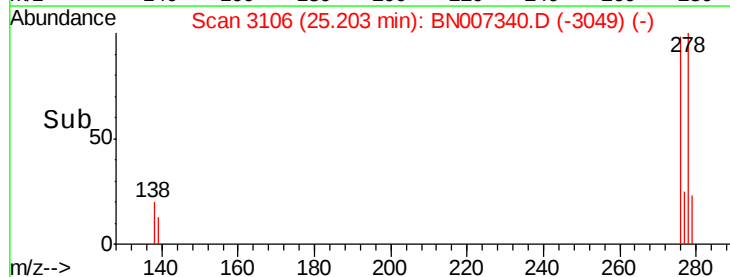
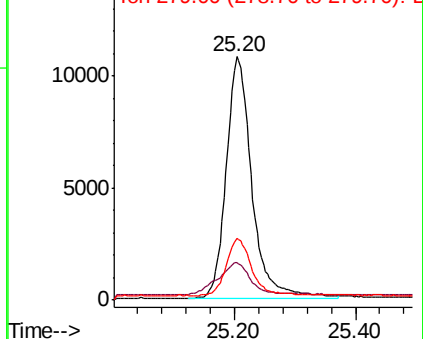
279 25.2 20.2 30.4



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(g,h,i)perylene

Concen: 0.409 ng

RT: 25.81 min Scan# 3284

Delta R.T. -0.01 min

Lab File: BN007340.D

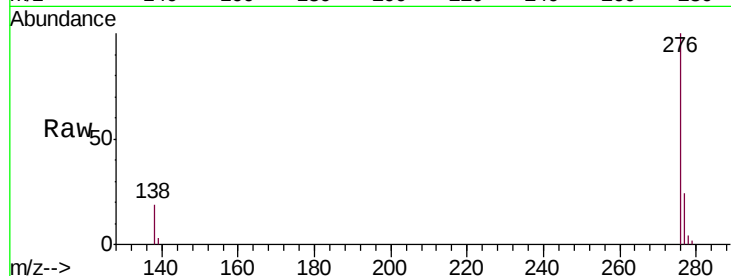
Acq: 23 Aug 2019 23:13

Instrument :

BNA_N

ClientSampleId :

ICVBN082319



Tgt Ion: 276 Resp: 31255

Ion Ratio Lower Upper

276 100

277 24.4 19.6 29.4

138 18.9 16.3 24.5

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

