

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082919\
 Data File : BN007498.D
 Acq On : 29 Aug 2019 11:56
 Operator : HP/JU
 Sample : K4524-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT-013-IDWSO-20190823

Quant Time: Aug 29 12:38:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 12:18:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	6626	0.40	ng	-0.02
7) Naphthalene-d8	10.15	136	26891	0.40	ng	-0.01
13) Acenaphthene-d10	14.03	164	15386	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	38524	0.40	ng	0.00
27) Chrysene-d12	21.02	240	73526	0.40	ng	0.00
34) Perylene-d12	23.12	264	86975	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	7179	0.31	ng	0.00
5) Phenol-d6	6.58	99	12348	0.42	ng	0.00
8) Nitrobenzene-d5	8.53	82	7592	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	12526	0.28	ng	-0.01
14) 2,4,6-Tribromophenol	15.54	330	6032	0.75	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	22125	0.36	ng	0.00
25) Fluoranthene-d10	18.83	212	28379	0.23	ng	-0.01
29) Terphenyl-d14	19.46	244	500557	2.60	ng	0.00

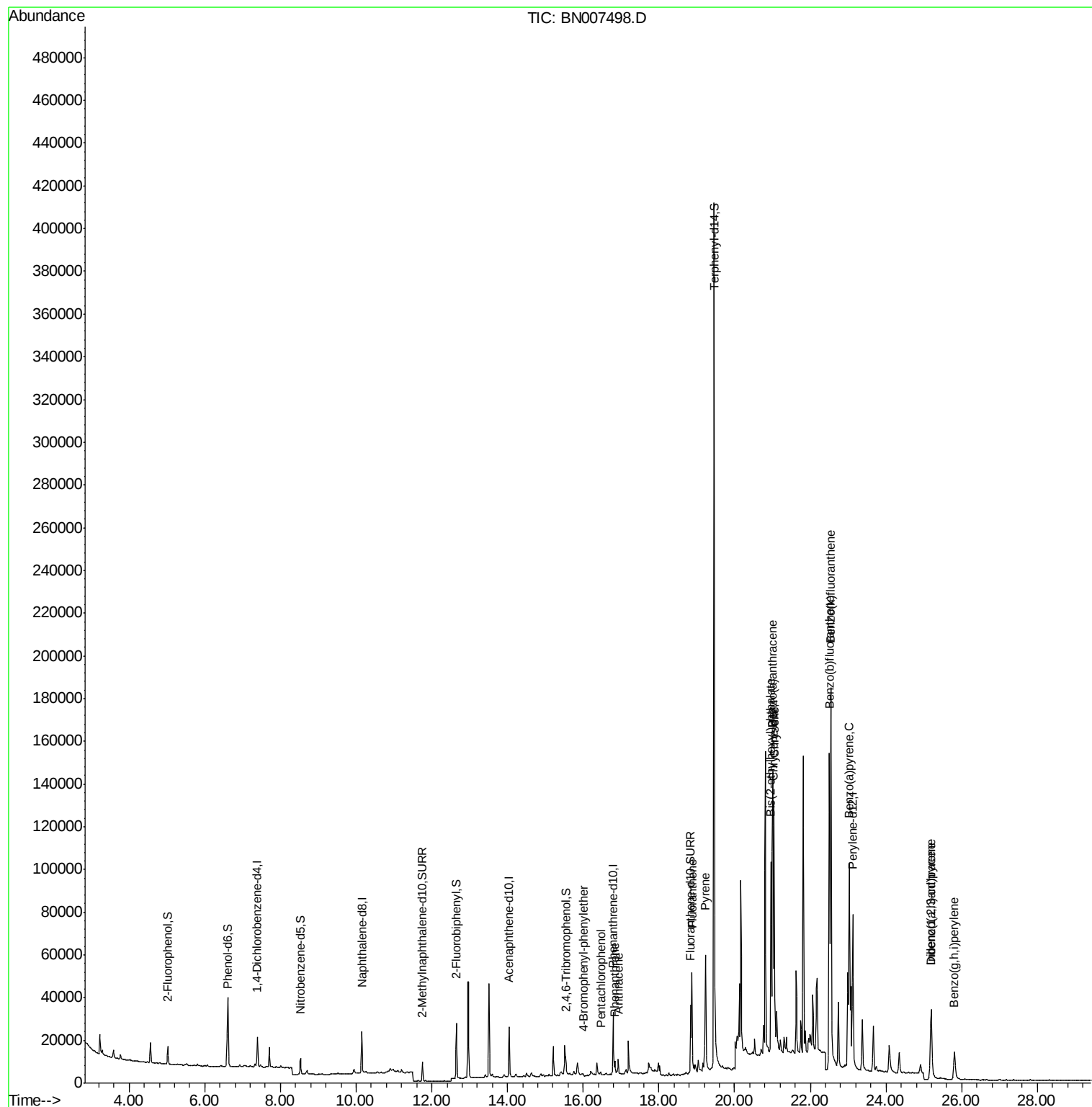
Target Compounds				Qvalue		
20) 4-Bromophenyl-phenylether	16.01	248	326	0.021 ng	#	1
22) Pentachlorophenol	16.46	266	564	0.070 ng	#	73
23) Phenanthrene	16.84	178	7780	0.067 ng		98
24) Anthracene	16.92	178	5236	0.045 ng		98
26) Fluoranthene	18.87	202	56663	0.381 ng		97
28) Pyrene	19.23	202	59897	0.203 ng		98
30) Benzo(a)anthracene	21.00	228	100798	0.349 ng		100
31) Chrysene	21.05	228	114812	0.412 ng		98
32) Bis(2-ethylhexyl)phthalate	20.96	149	90173	0.464 ng		99
33) Indeno(1,2,3-cd)pyrene	25.19	276	43640	0.130 ng		99
35) Benzo(b)fluoranthene	22.50	252	188534	0.598 ng	#	95
36) Benzo(k)fluoranthene	22.54	252	193753	0.622 ng	#	84
37) Benzo(a)pyrene	23.03	252	146511	0.489 ng	#	95
38) Dibenzo(a,h)anthracene	25.20	278	30356	0.101 ng		98
39) Benzo(g,h,i)perylene	25.81	276	28511	0.096 ng		97

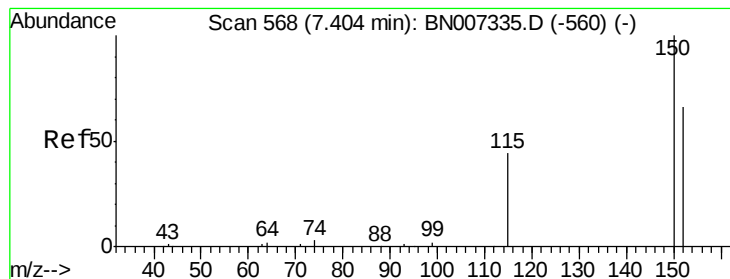
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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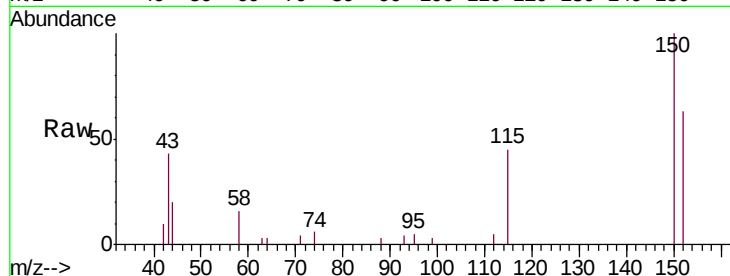


#1

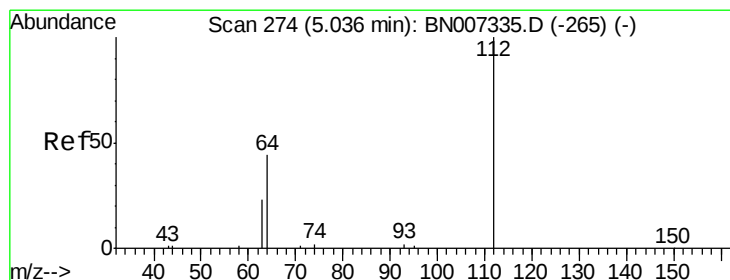
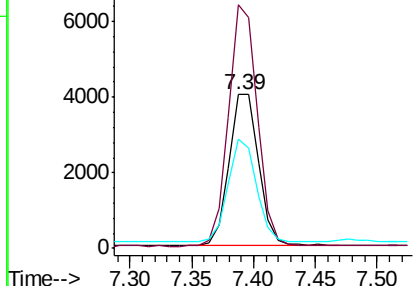
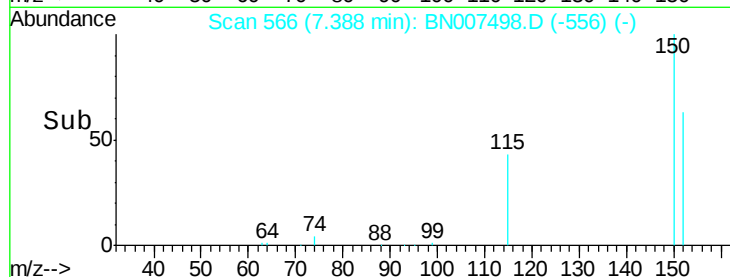
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 566
 Delta R.T. -0.02 min
 Lab File: BN007498.D
 Acq: 29 Aug 2019 11:56

Instrument :
 BNA_N
 ClientSampleId :
 TT-013-IDWSO-20190823

Tgt Ion:152 Resp: 6626
 Ion Ratio Lower Upper
 152 100
 150 158.2 109.1 163.7
 115 71.4 59.6 89.4



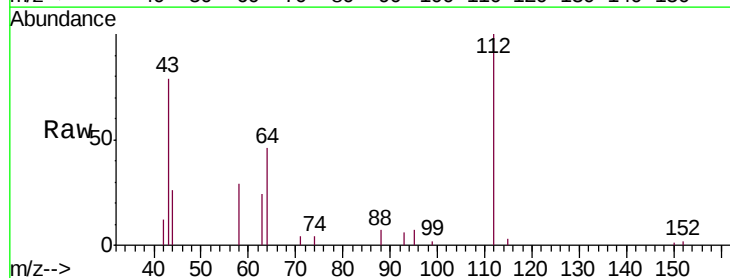
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



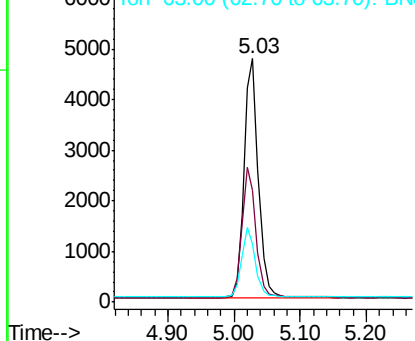
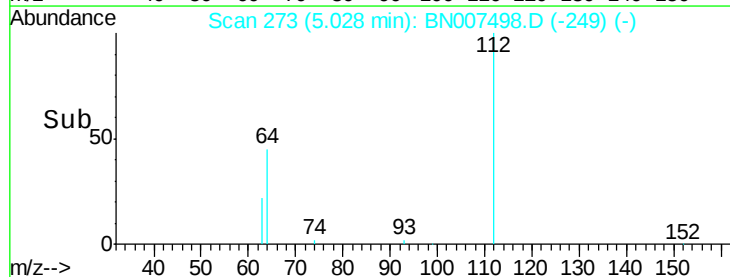
#4

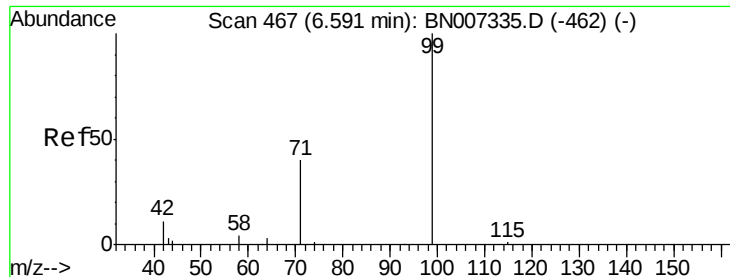
2-Fluorophenol
 Concen: 0.305 ng
 RT: 5.03 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: BN007498.D
 Acq: 29 Aug 2019 11:56

Tgt Ion:112 Resp: 7179
 Ion Ratio Lower Upper
 112 100
 64 54.2 42.3 63.5
 63 28.0 23.6 35.4



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





#5

Phenol-d6

Concen: 0.424 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

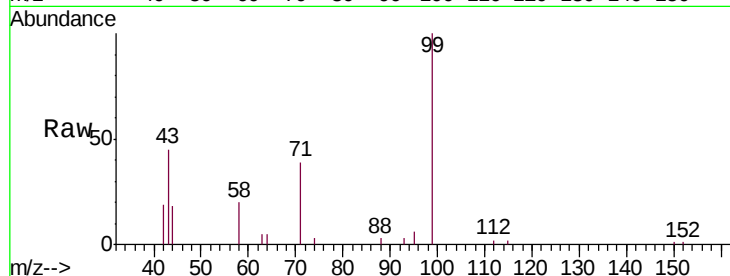
Tgt Ion: 99 Resp: 12348

Ion Ratio Lower Upper

99 100

42 0.0 11.2 16.8#

71 34.3 31.8 47.8

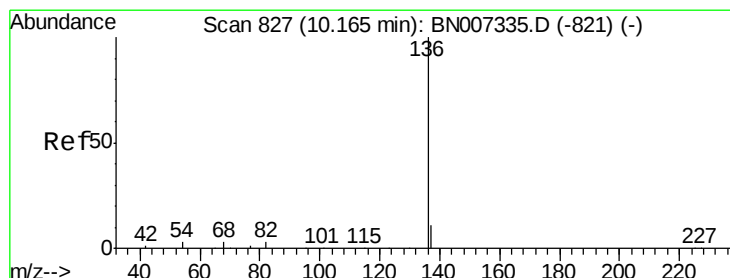
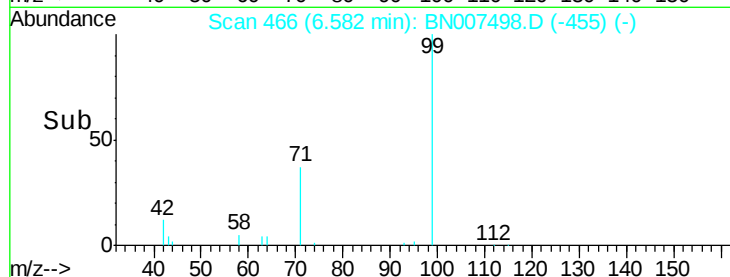


Abundance Ion 99.00 (98.70 to 99.70): BN007498.D (-455) (-)

Ion 42.00 (41.70 to 42.70): BN007498.D (-455) (-)

Ion 71.00 (70.70 to 71.70): BN007498.D (-455) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Tgt Ion: 136 Resp: 26891

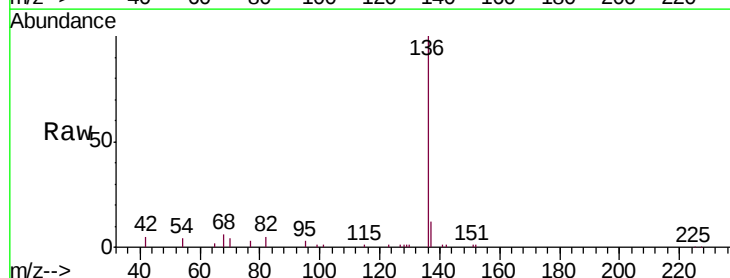
Ion Ratio Lower Upper

136 100

137 11.7 12.9 19.3#

54 4.4 8.6 12.8#

68 6.3 17.0 25.4#



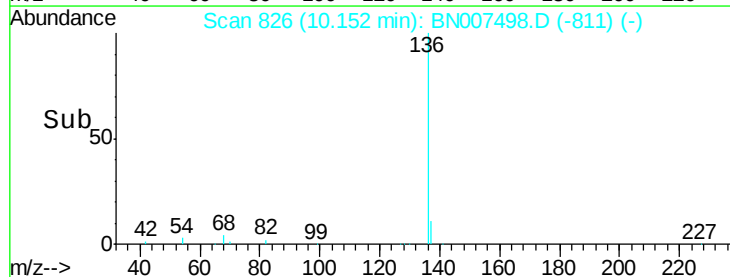
Abundance Ion 136.00 (135.70 to 136.70): BN007498.D (-811) (-)

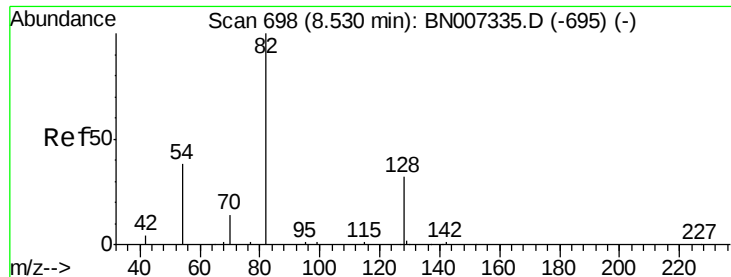
Ion 137.00 (136.70 to 137.70): BN007498.D (-811) (-)

Ion 54.00 (53.70 to 54.70): BN007498.D (-811) (-)

Ion 68.00 (67.70 to 68.70): BN007498.D (-811) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.324 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

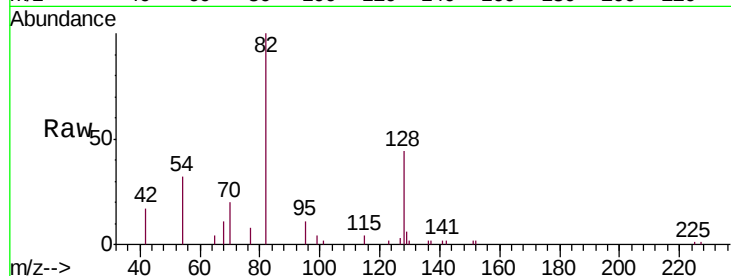
Tgt Ion: 82 Resp: 7592

Ion Ratio Lower Upper

82 100

128 43.9 19.7 29.5#

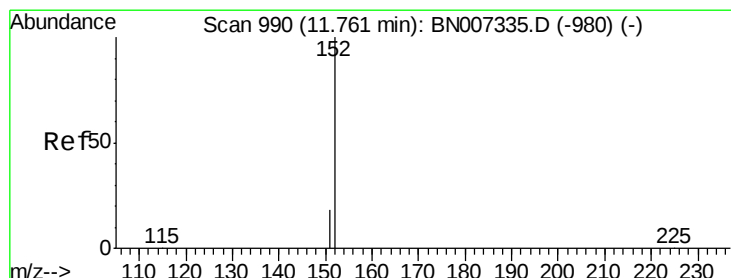
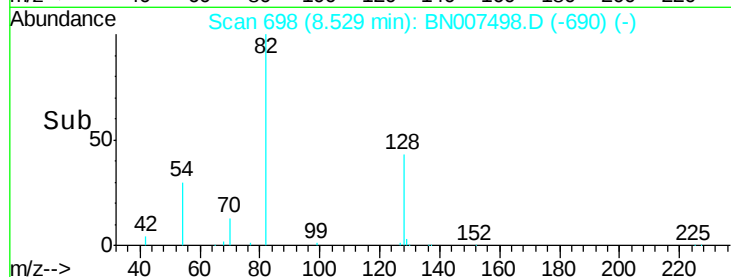
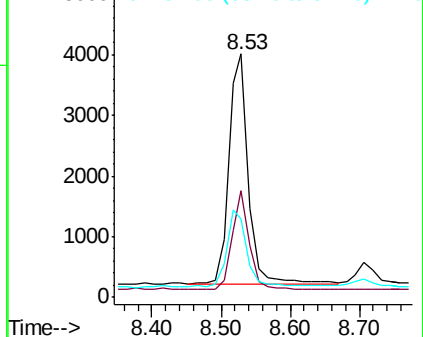
54 32.3 25.8 38.6



Abundance Ion 82.00 (81.70 to 82.70): BN007498.D (-690) (-)

Ion 128.00 (127.70 to 128.70): BN007498.D (-690) (-)

Ion 54.00 (53.70 to 54.70): BN007498.D (-690) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.280 ng

RT: 11.75 min Scan# 987

Delta R.T. -0.01 min

Lab File: BN007498.D

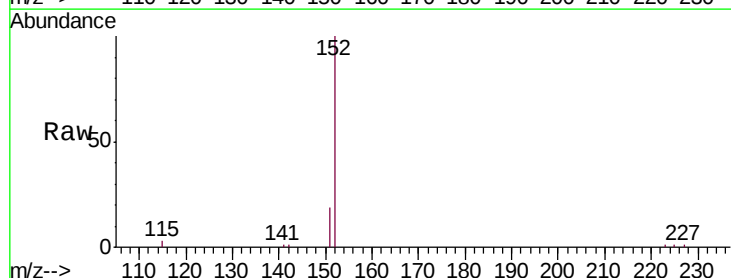
Acq: 29 Aug 2019 11:56

Tgt Ion: 152 Resp: 12526

Ion Ratio Lower Upper

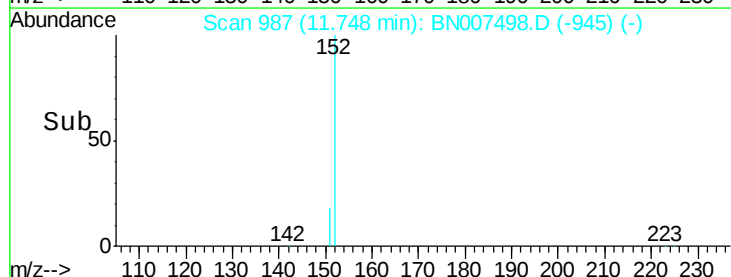
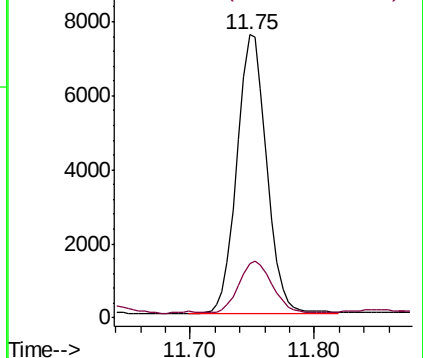
152 100

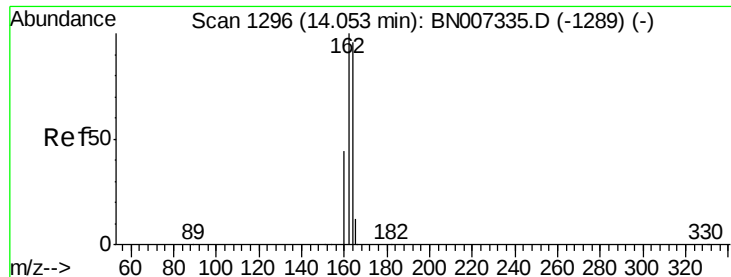
151 20.2 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): BN007498.D (-945) (-)

Ion 151.00 (150.70 to 151.70): BN007498.D (-945) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

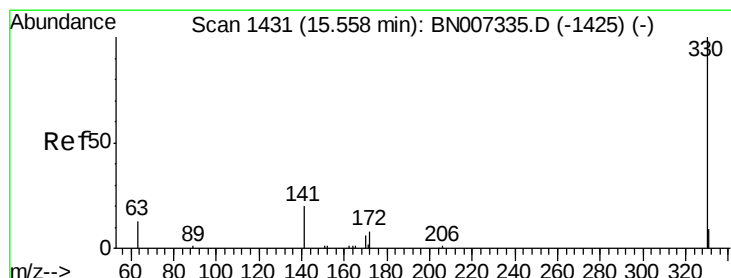
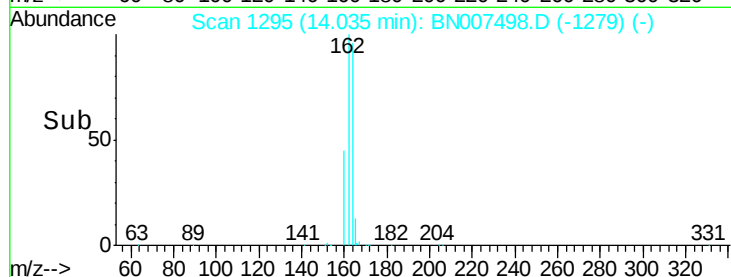
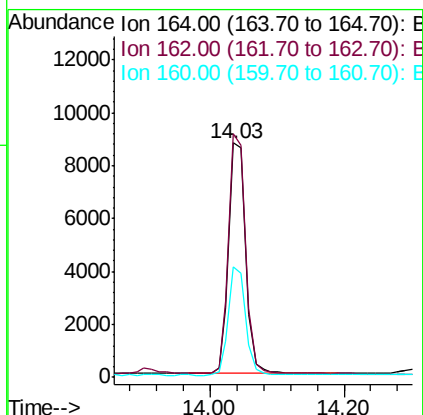
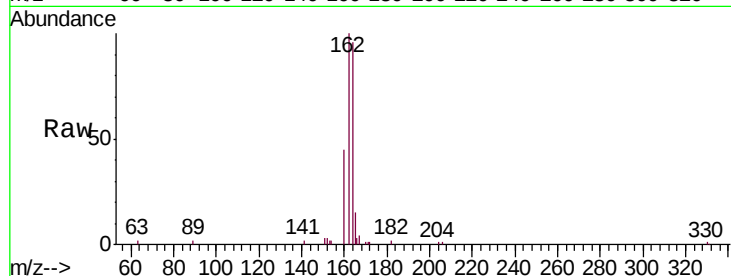
Tgt Ion:164 Resp: 15386

Ion Ratio Lower Upper

164 100

162 103.8 83.5 125.3

160 47.2 38.2 57.4



#14

2,4,6-Tribromophenol

Concen: 0.749 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

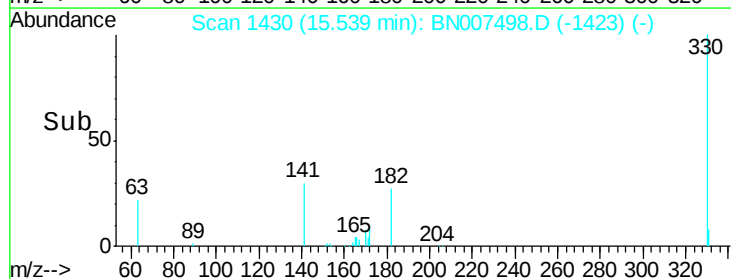
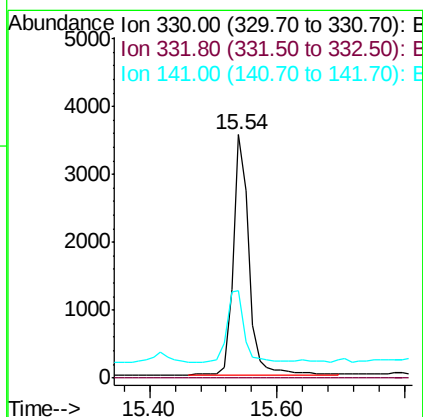
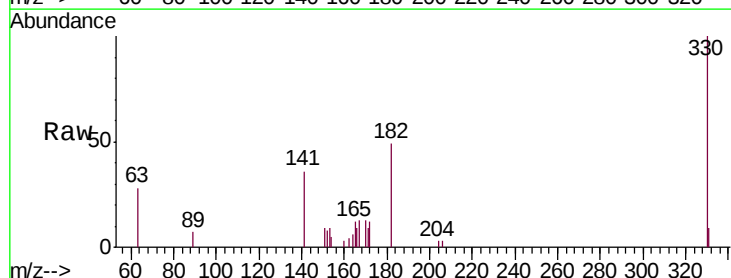
Tgt Ion:330 Resp: 6032

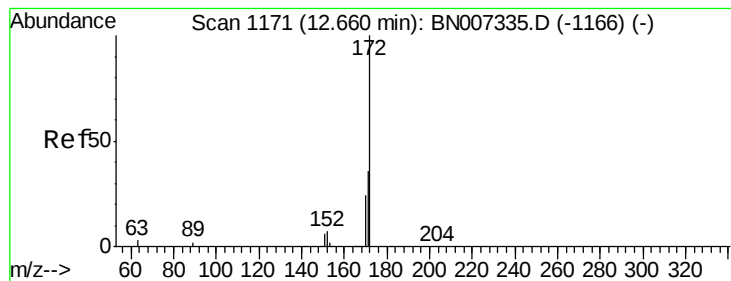
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 32.9 26.9 40.3





#15

2-Fluorobiphenyl

Concen: 0.357 ng

RT: 12.65 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

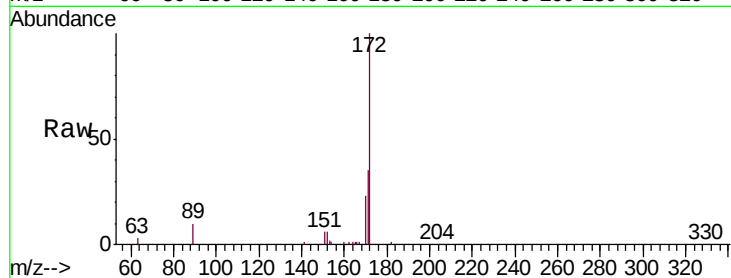
Tgt Ion:172 Resp: 22125

Ion Ratio Lower Upper

172 100

171 35.5 30.3 45.5

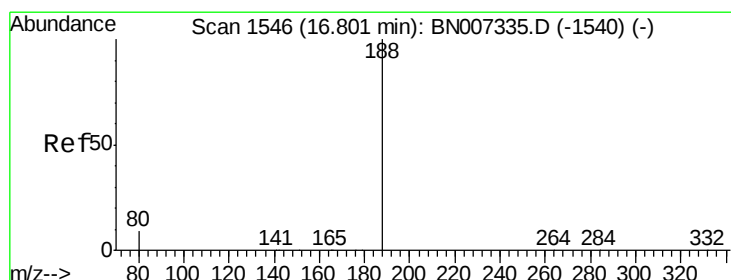
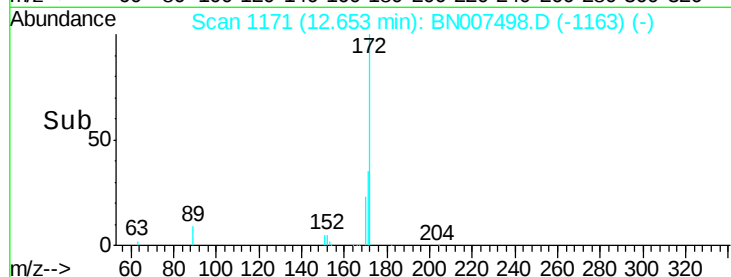
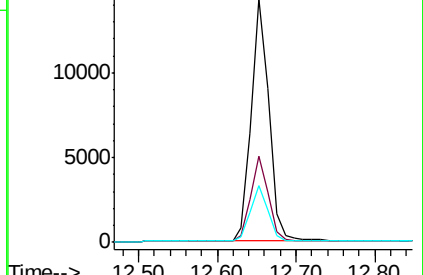
170 23.2 20.7 31.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

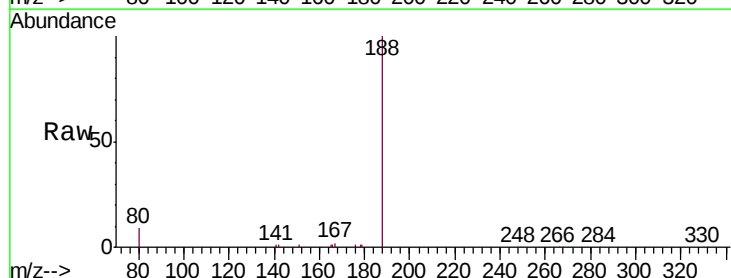
Tgt Ion:188 Resp: 38524

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

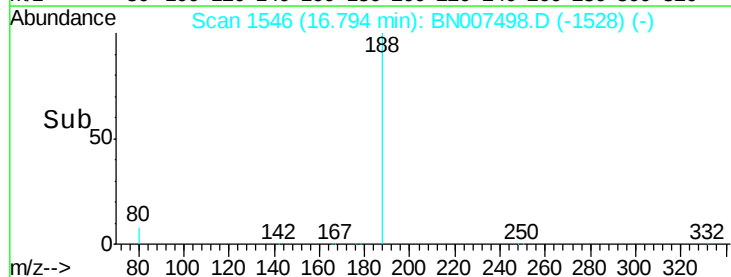
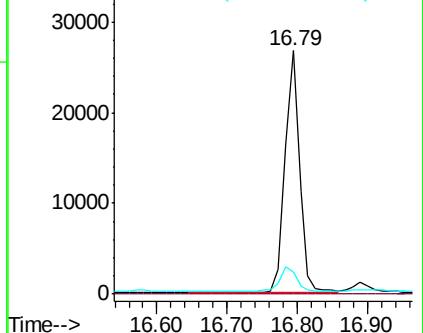
80 9.3 11.8 17.8#

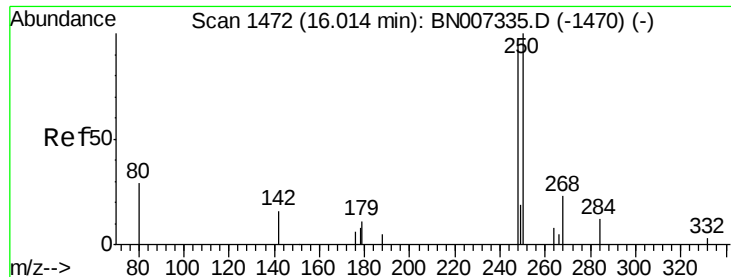


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

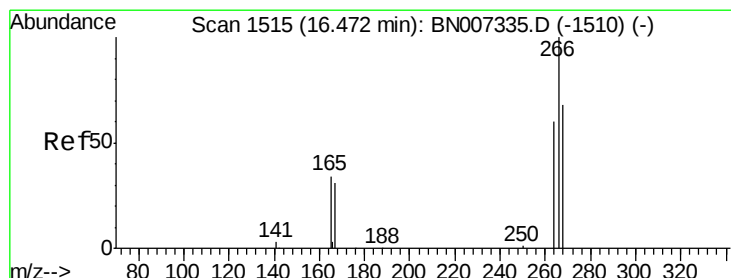
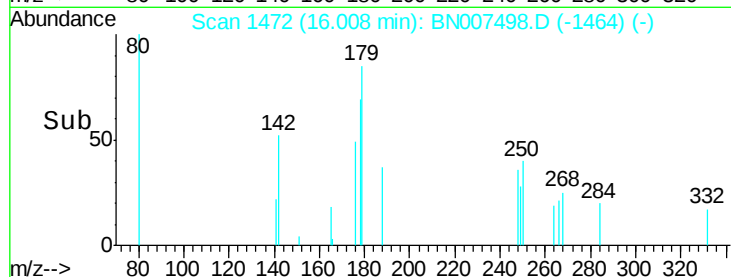
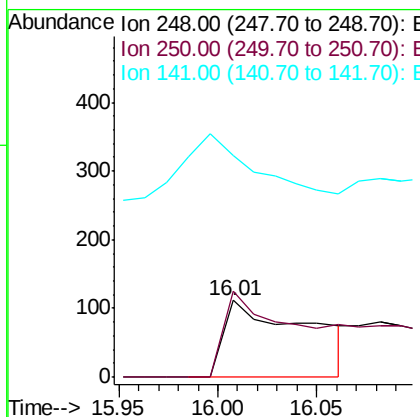
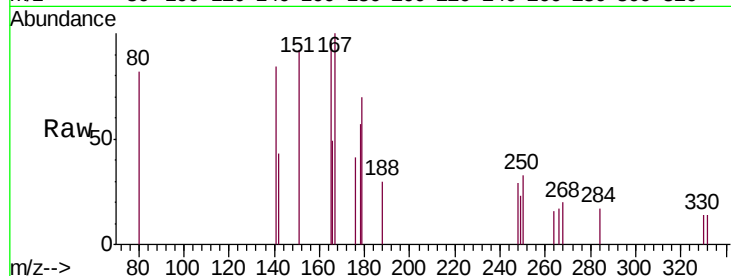




#20
4-Bromophenyl-phenylether
Concen: 0.021 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007498.D
Acq: 29 Aug 2019 11:56

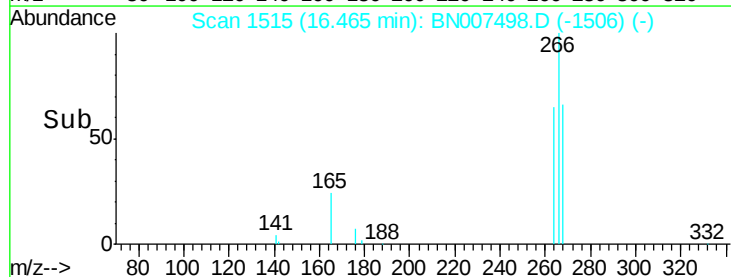
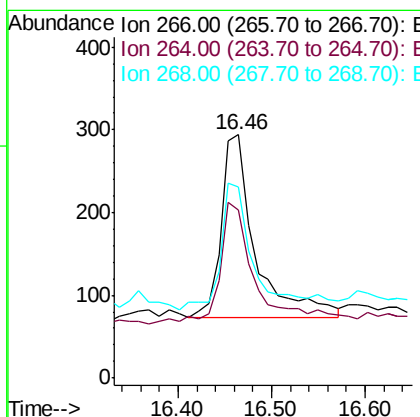
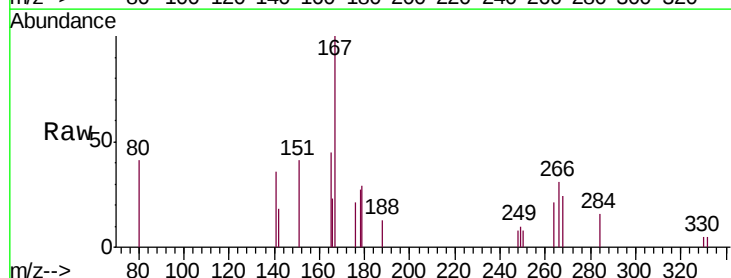
Instrument :
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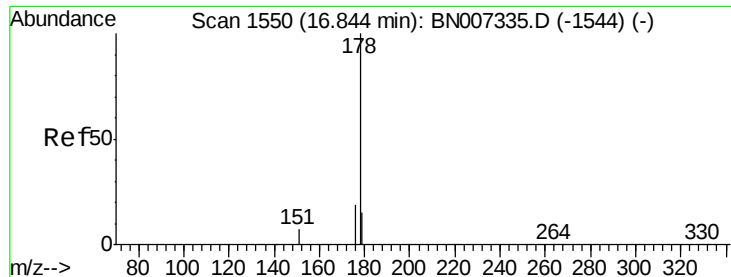
Tgt Ion:248 Resp: 326
Ion Ratio Lower Upper
248 100
250 111.6 85.0 127.6
141 287.5 51.7 77.5#



#22
Pentachlorophenol
Concen: 0.070 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007498.D
Acq: 29 Aug 2019 11:56

Tgt Ion:266 Resp: 564
Ion Ratio Lower Upper
266 100
264 69.0 57.8 86.8
268 78.6 99.7 149.5#





#23

Phenanthrene

Concen: 0.067 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

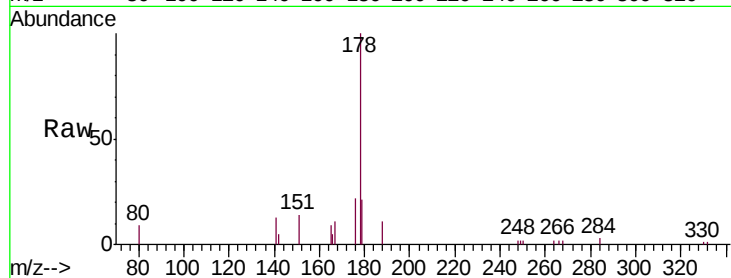
Tgt Ion:178 Resp: 7780

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

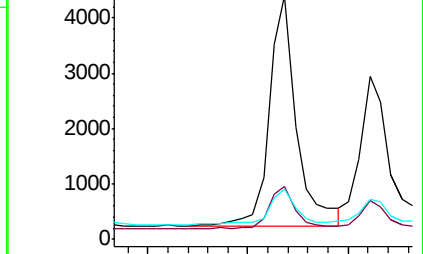
179 17.0 12.6 19.0



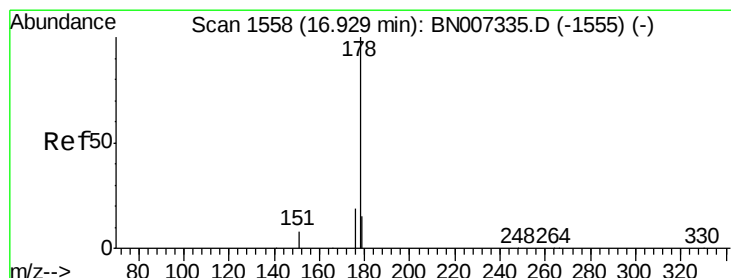
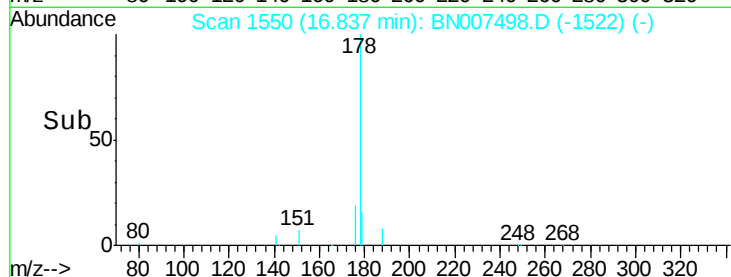
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.045 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

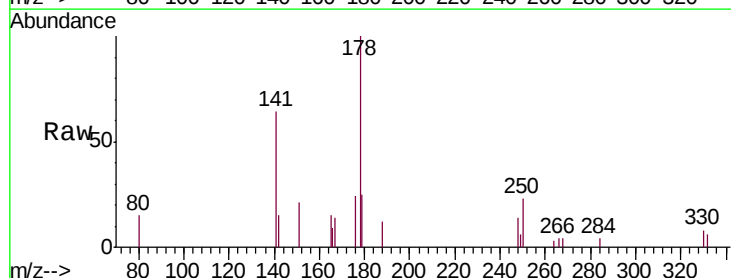
Tgt Ion:178 Resp: 5236

Ion Ratio Lower Upper

178 100

176 17.6 14.9 22.3

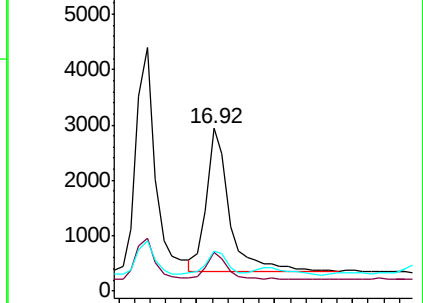
179 14.8 12.4 18.6



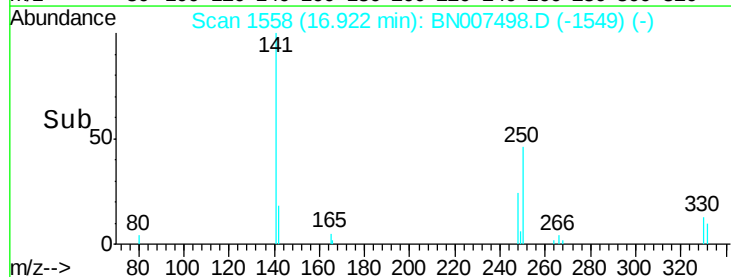
Abundance Ion 178.00 (177.70 to 178.70): E

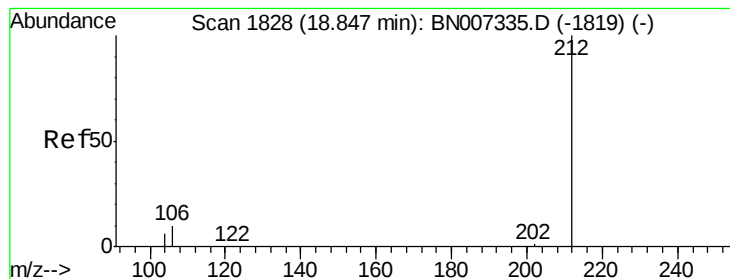
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.229 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

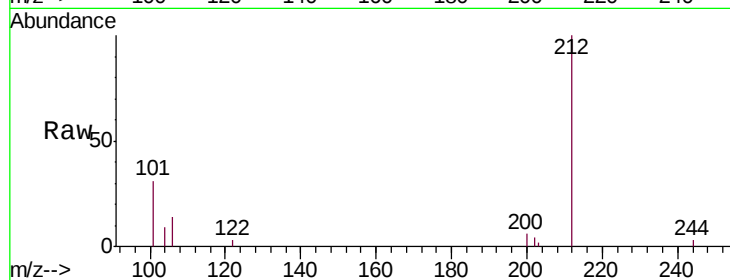
Tgt Ion:212 Resp: 28379

Ion Ratio Lower Upper

212 100

106 11.9 9.0 13.4

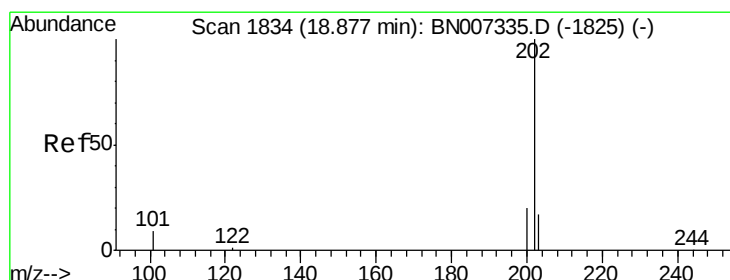
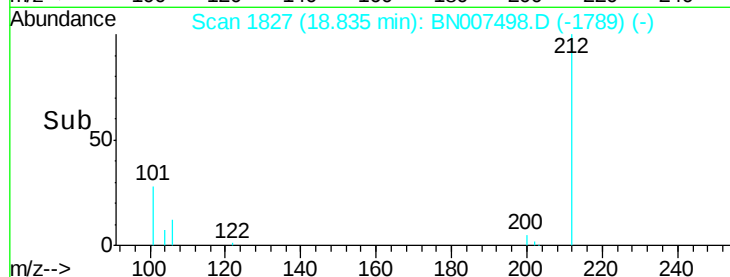
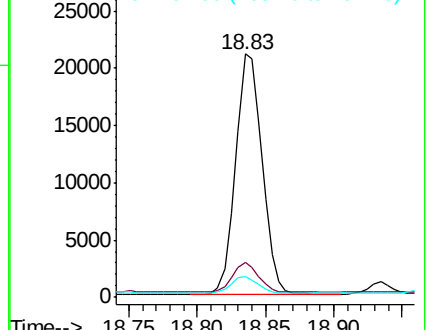
104 6.9 5.4 8.2



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: 0.381 ng

RT: 18.87 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

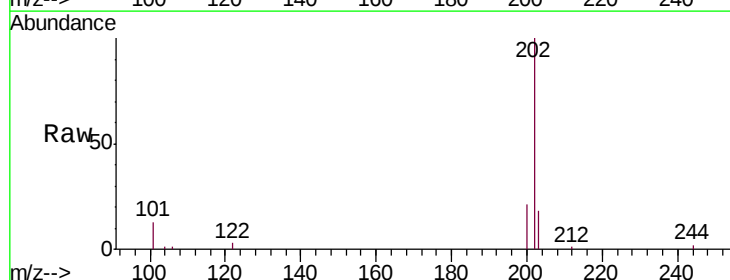
Tgt Ion:202 Resp: 56663

Ion Ratio Lower Upper

202 100

101 8.0 7.7 11.5

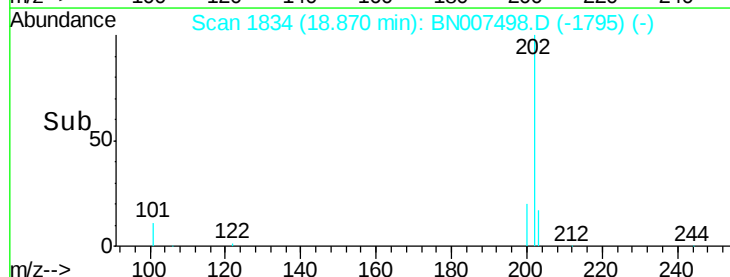
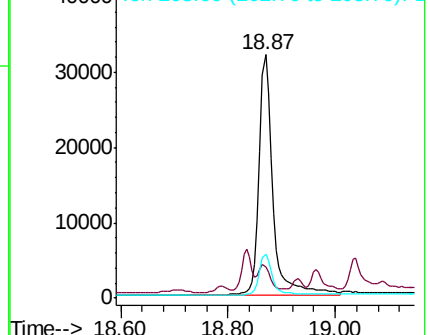
203 16.4 13.7 20.5

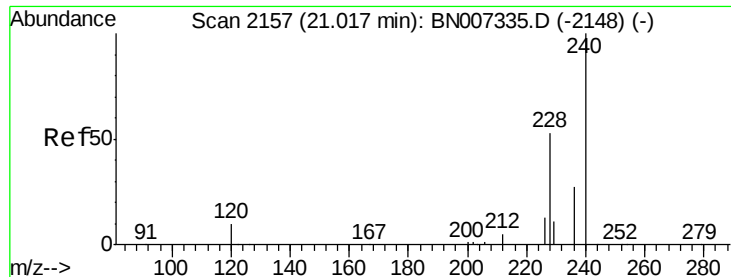


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

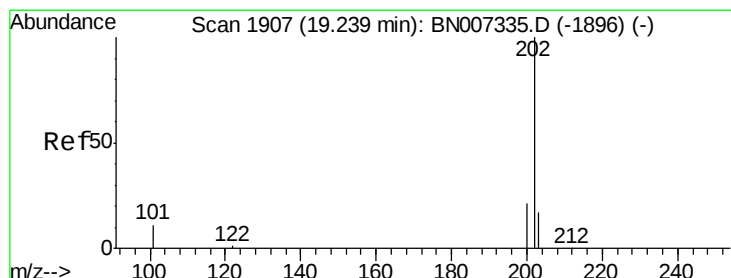
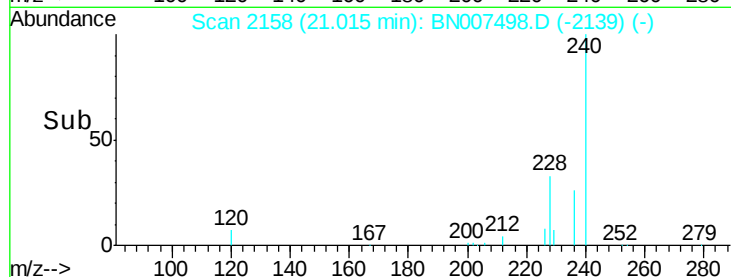
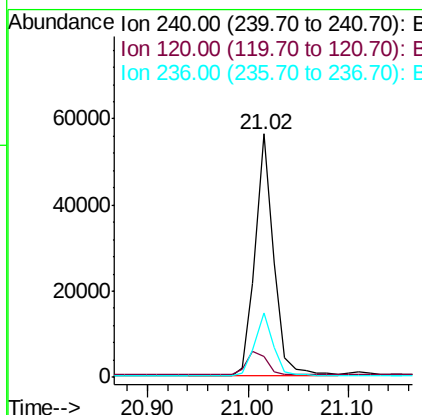
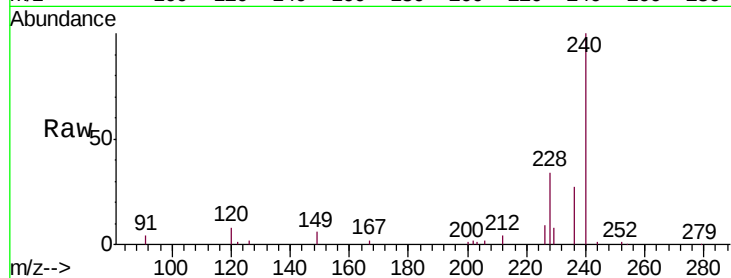




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007498.D
 Acq: 29 Aug 2019 11:56

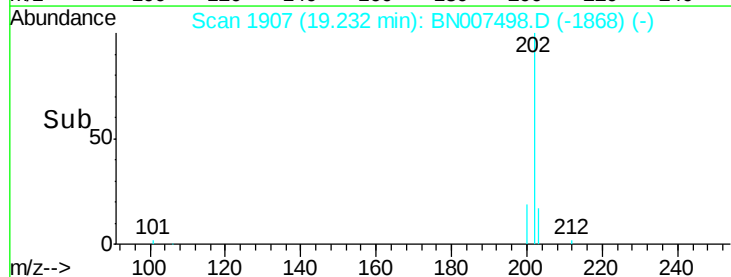
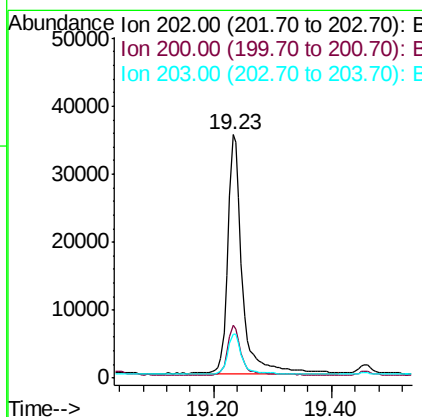
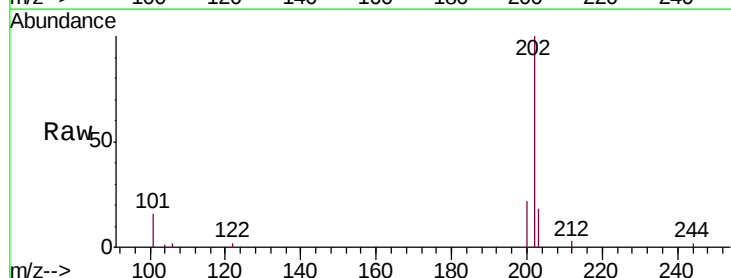
Instrument :
 BNA_N
 ClientSampleId :
 TT-013-IDWSO-20190823

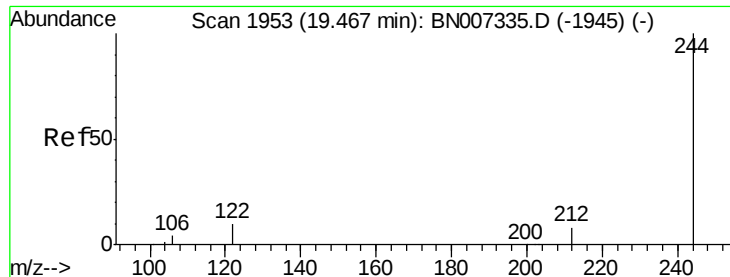
Tgt Ion:240 Resp: 73526
 Ion Ratio Lower Upper
 240 100
 120 8.3 9.6 14.4#
 236 26.6 22.2 33.2



#28
 Pyrene
 Concen: 0.203 ng
 RT: 19.23 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: BN007498.D
 Acq: 29 Aug 2019 11:56

Tgt Ion:202 Resp: 59897
 Ion Ratio Lower Upper
 202 100
 200 19.5 16.6 25.0
 203 17.1 14.2 21.4





#29

Terphenyl-d14

Concen: 2.602 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

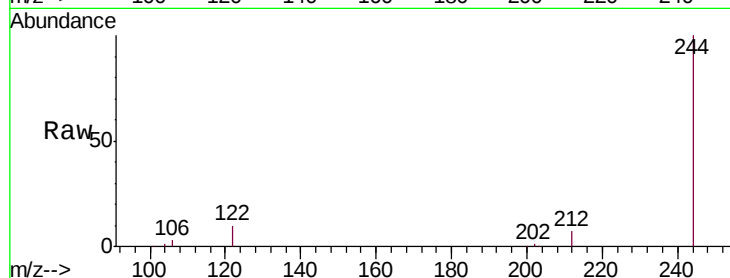
Tgt Ion:244 Resp: 500557

Ion Ratio Lower Upper

244 100

212 7.5 7.0 10.6

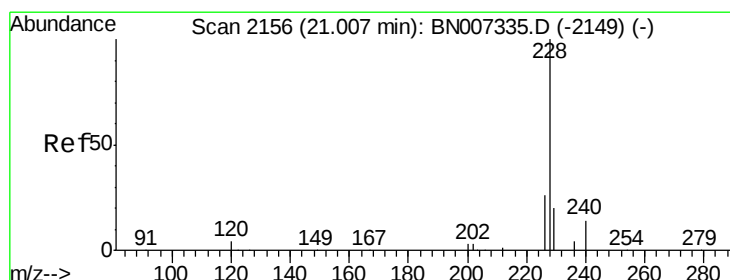
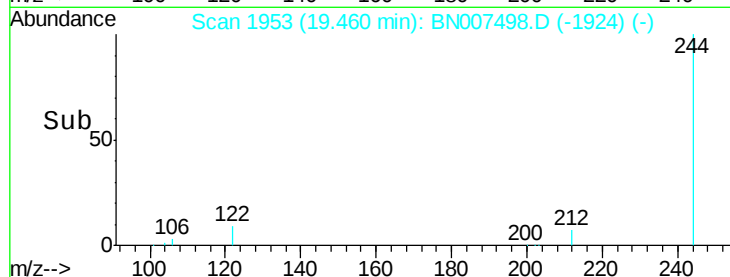
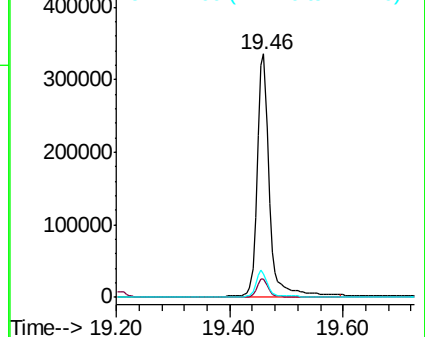
122 9.5 9.6 14.4#



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: 0.349 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

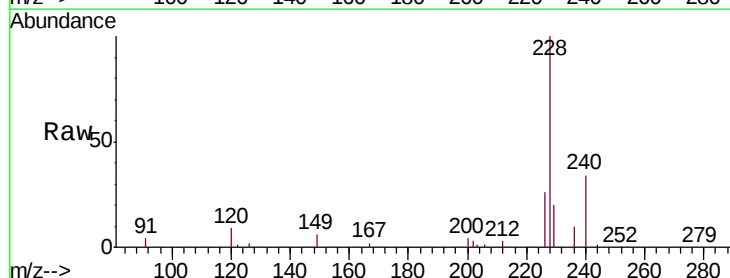
Tgt Ion:228 Resp: 100798

Ion Ratio Lower Upper

228 100

226 26.4 21.3 31.9

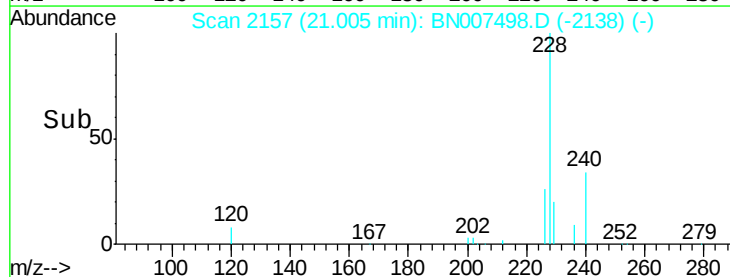
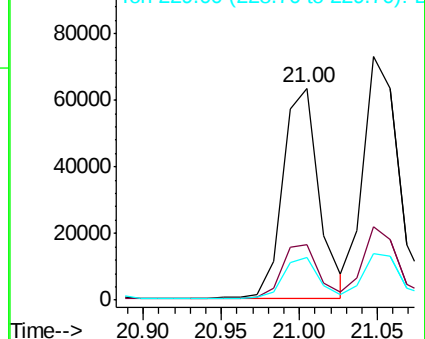
229 20.3 16.1 24.1

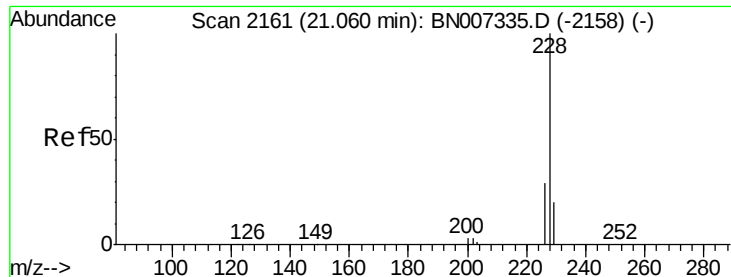


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.412 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

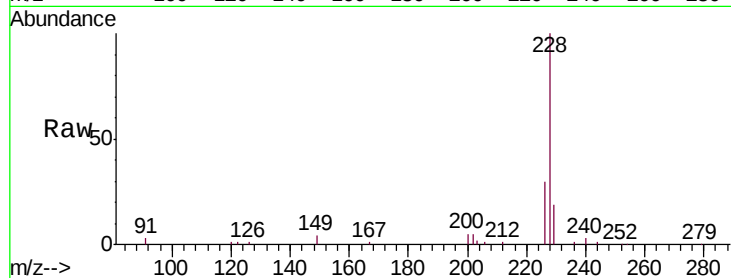
Tgt Ion:228 Resp: 114812

Ion Ratio Lower Upper

228 100

226 30.1 23.5 35.3

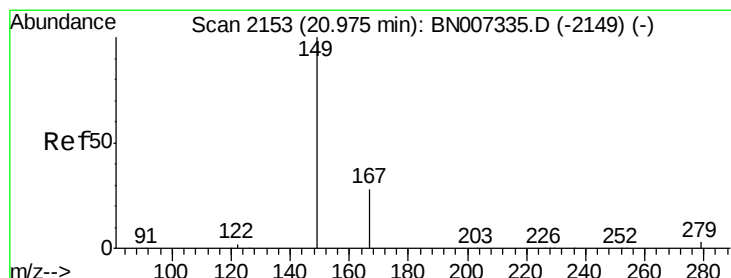
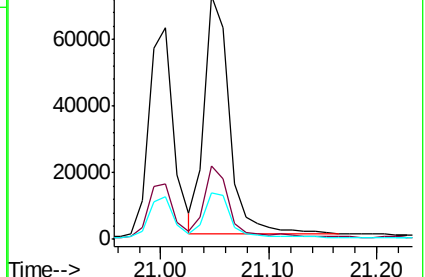
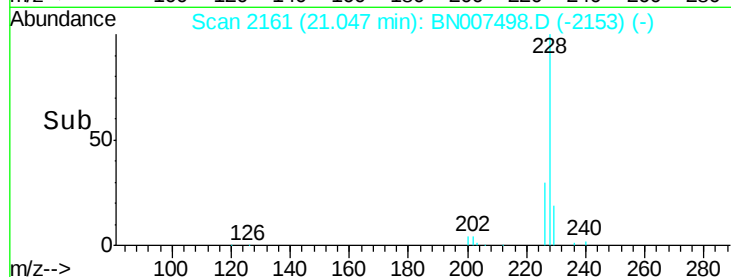
229 19.2 16.6 24.8



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: 0.464 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

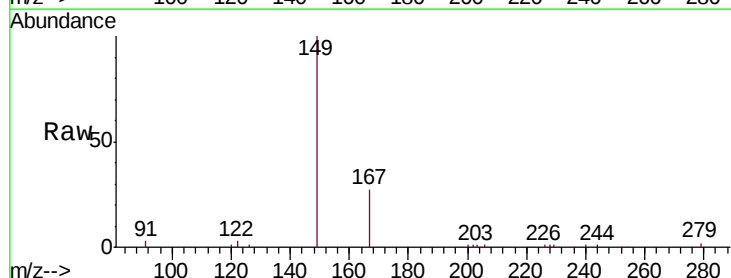
Tgt Ion:149 Resp: 90173

Ion Ratio Lower Upper

149 100

167 27.7 22.8 34.2

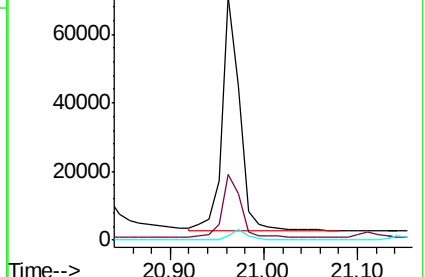
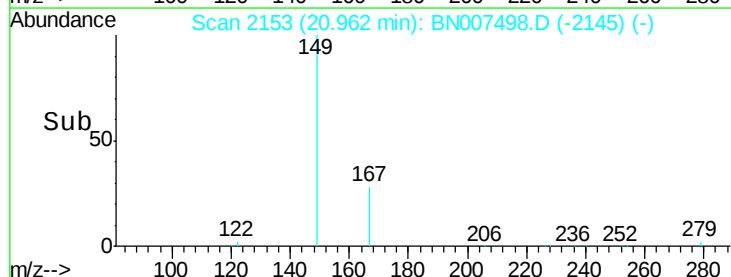
279 4.0 3.5 5.3

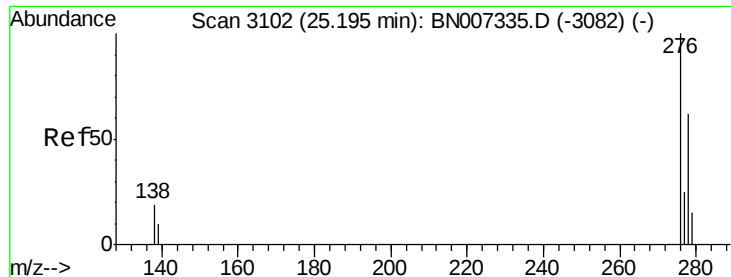


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

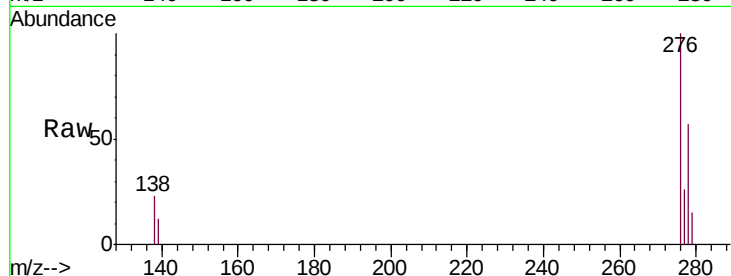




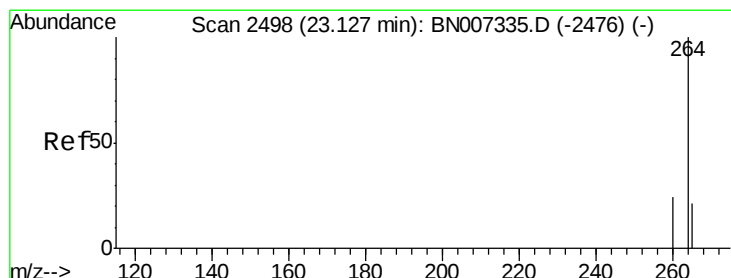
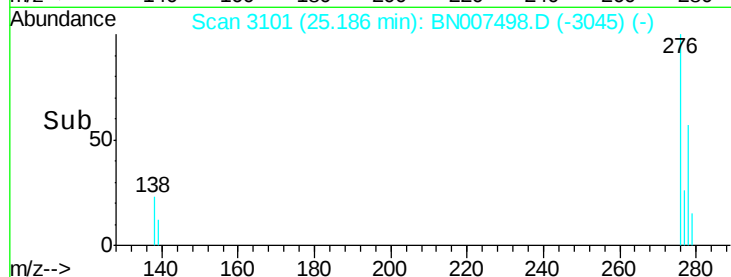
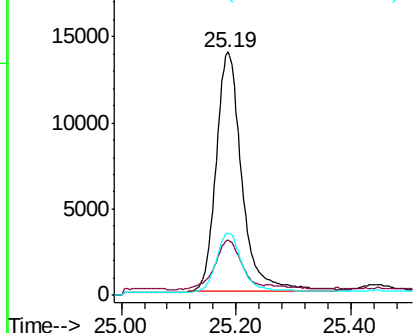
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.130 ng
 RT: 25.19 min Scan# 3101
 Delta R.T. -0.01 min
 Lab File: BN007498.D
 Acq: 29 Aug 2019 11:56

Instrument :
 BNA_N
 ClientSampleId :
 TT-013-IDWSO-20190823

Tgt Ion:276 Resp: 43640
 Ion Ratio Lower Upper
 276 100
 138 18.7 15.1 22.7
 277 24.2 19.7 29.5

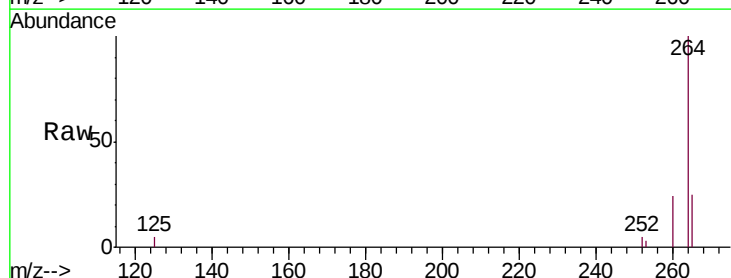


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

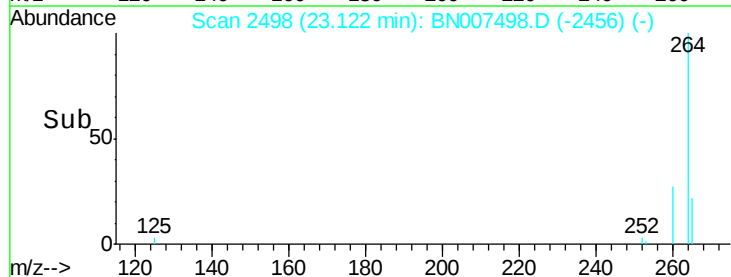
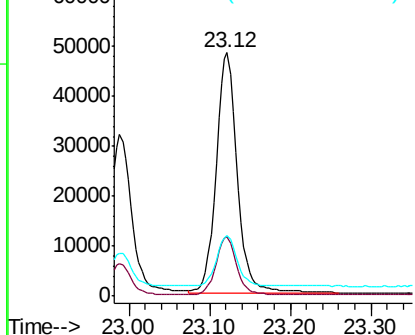


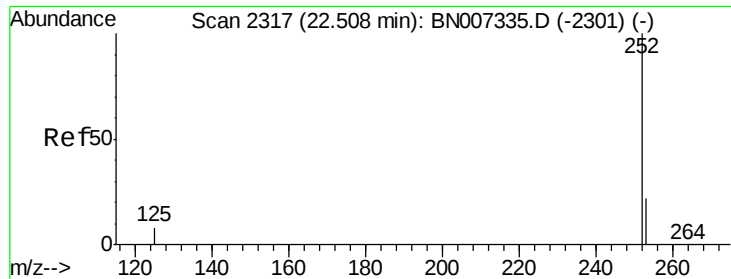
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BN007498.D
 Acq: 29 Aug 2019 11:56

Tgt Ion:264 Resp: 86975
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.7 29.5
 265 25.0 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: 0.598 ng

RT: 22.50 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

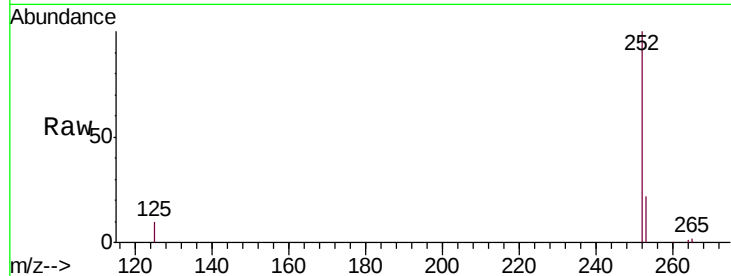
Tgt Ion:252 Resp: 188534

Ion Ratio Lower Upper

252 100

253 22.4 19.2 28.8

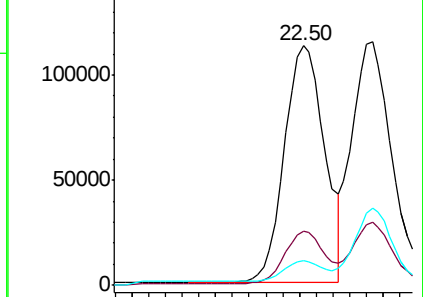
125 10.1 10.6 16.0#



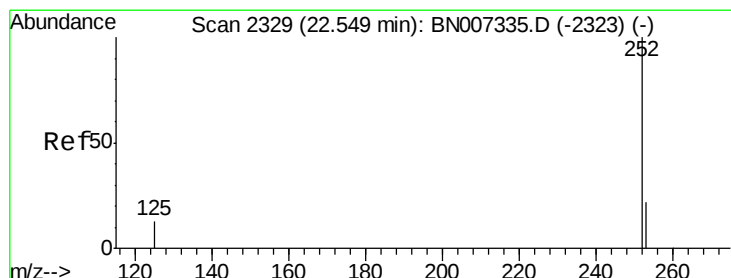
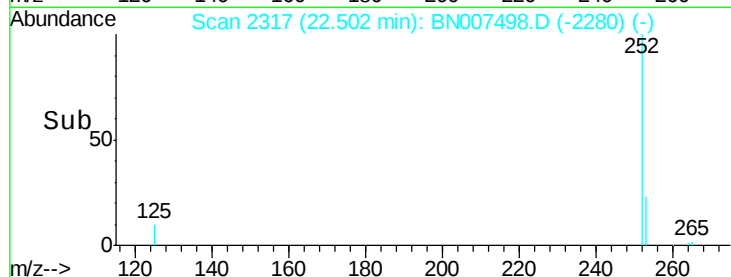
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#36

Benzo(k)fluoranthene

Concen: 0.622 ng

RT: 22.54 min Scan# 2329

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

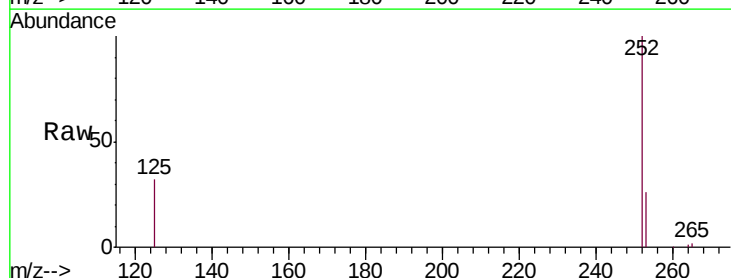
Tgt Ion:252 Resp: 193753

Ion Ratio Lower Upper

252 100

253 25.8 19.4 29.2

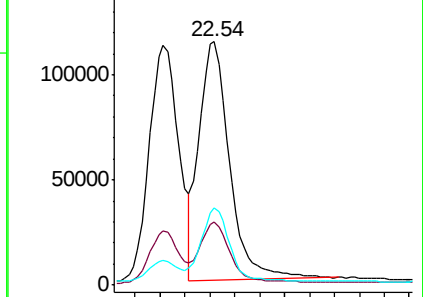
125 31.5 13.1 19.7#



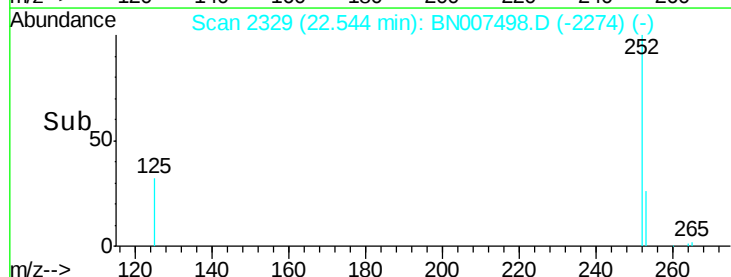
Abundance Ion 252.00 (251.70 to 252.70): E

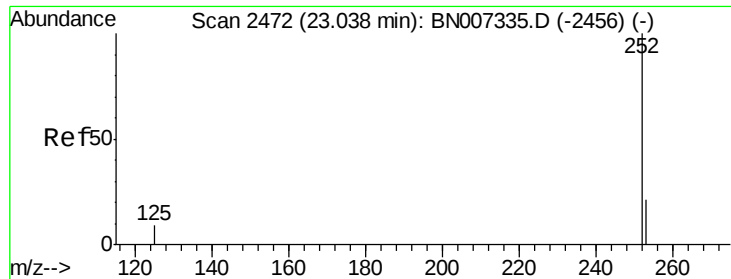
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#37

Benzo(a)pyrene

Concen: 0.489 ng

RT: 23.03 min Scan# 2471

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823

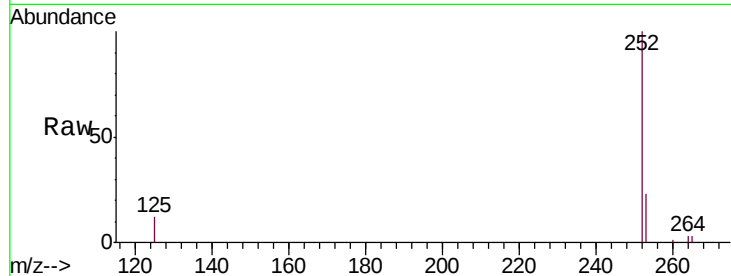
Tgt Ion:252 Resp: 146511

Ion Ratio Lower Upper

252 100

253 22.9 19.5 29.3

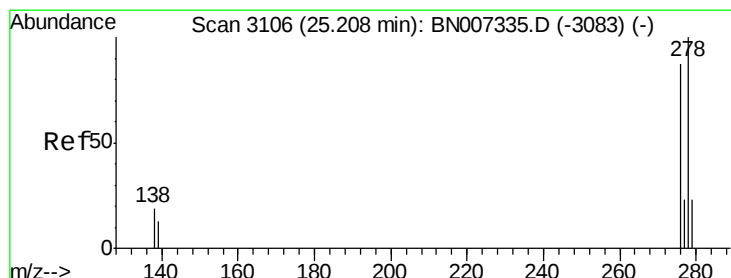
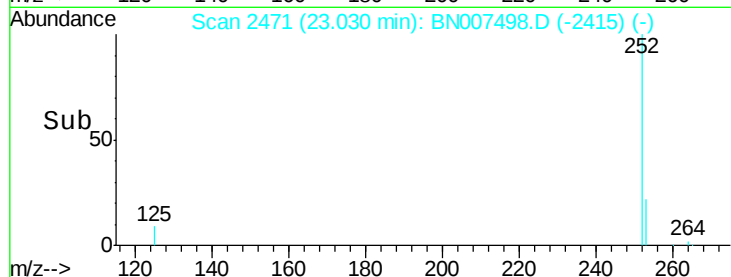
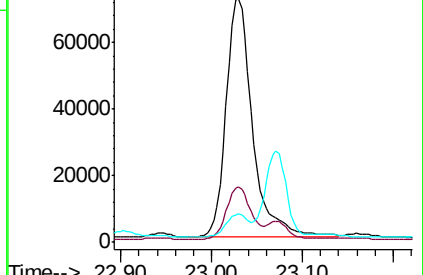
125 11.6 12.1 18.1#



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: 0.101 ng

RT: 25.20 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN007498.D

Acq: 29 Aug 2019 11:56

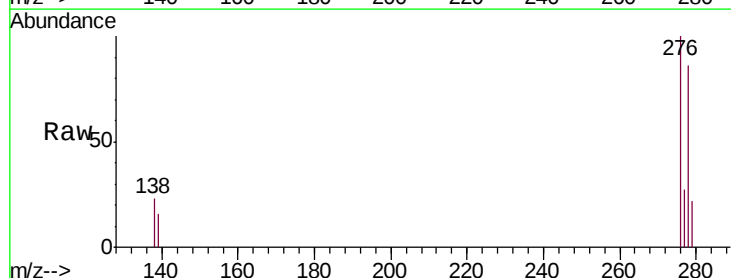
Tgt Ion:278 Resp: 30356

Ion Ratio Lower Upper

278 100

139 18.7 13.7 20.5

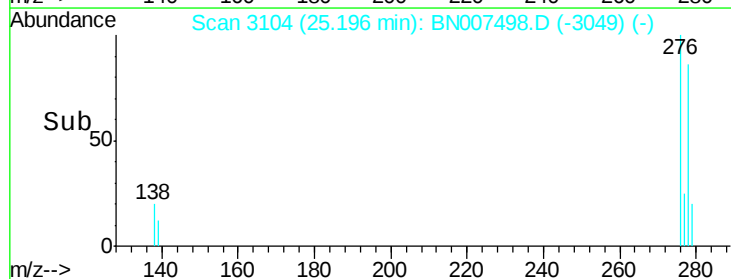
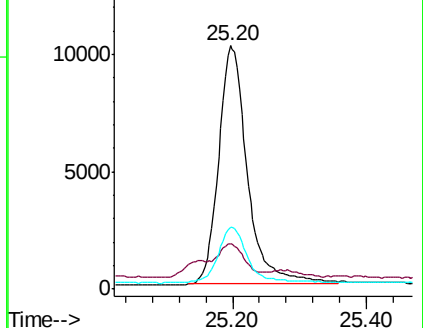
279 25.4 20.2 30.4

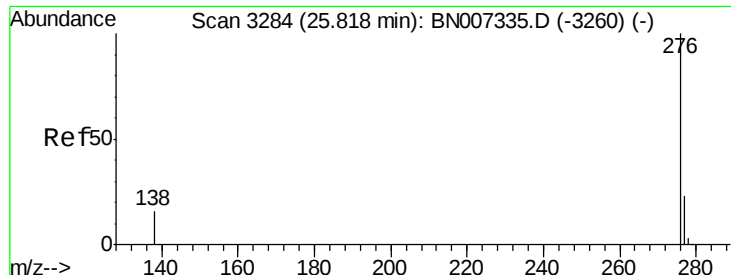


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.096 ng

RT: 25.81 min Scan# 3282

Delta R.T. -0.01 min

Lab File: BN007498.D

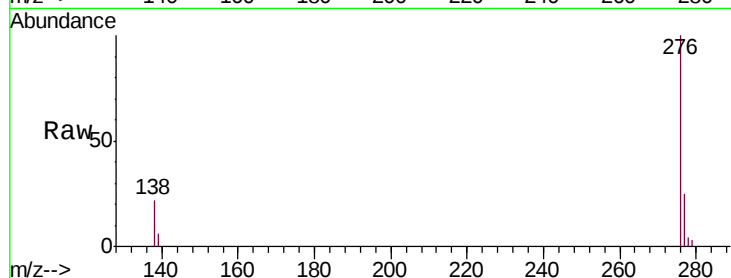
Acq: 29 Aug 2019 11:56

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823



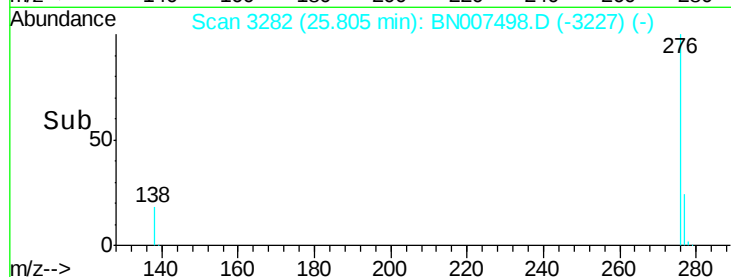
Tgt Ion: 276 Resp: 28511

Ion Ratio Lower Upper

276 100

277 25.3 19.6 29.4

138 22.2 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

