

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051220\
 Data File : BN010697.D
 Acq On : 12 May 2020 13:10
 Operator : CG/JU
 Sample : L2545-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-200505

Quant Time: May 12 13:40:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 10:58:34 2020
 Response via : Initial Calibration

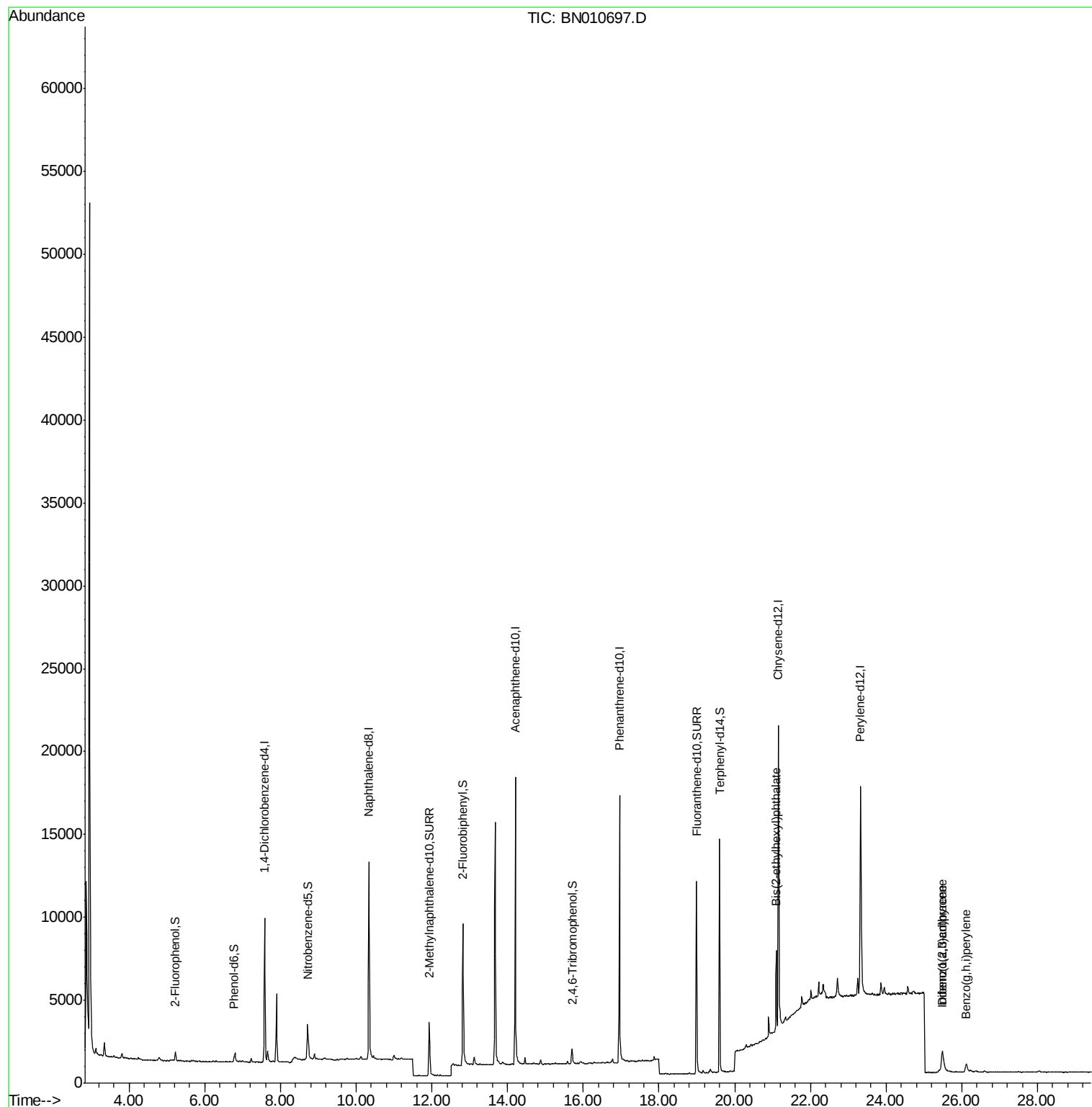
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	4617	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	18129	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	11429	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	24090	0.40	ng	0.00
27) Chrysene-d12	21.15	240	20810	0.40	ng	-0.01
34) Perylene-d12	23.32	264	19545	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	606	0.06	ng	0.00
5) Phenol-d6	6.78	99	406	0.03	ng	0.00
8) Nitrobenzene-d5	8.72	82	2457	0.19	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	5327	0.18	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	888	0.16	ng	0.00
15) 2-Fluorobiphenyl	12.82	172	8793	0.21	ng	0.00
25) Fluoranthene-d10	18.99	212	15296	0.21	ng	0.00
29) Terphenyl-d14	19.60	244	14419	0.30	ng	0.00
Target Compounds						
32) Bis(2-ethylhexyl)phthalate	21.10	149	4371	0.125	ng	Qvalue 99
33) Indeno(1,2,3-cd)pyrene	25.47	276	2000	0.033	ng	# 72
38) Dibenzo(a,h)anthracene	25.49	278	1888	0.036	ng	# 44
39) Benzo(g,h,i)perylene	26.12	276	1307	0.025	ng	# 63

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.58 min Scan# 590

Delta R.T. 0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200505

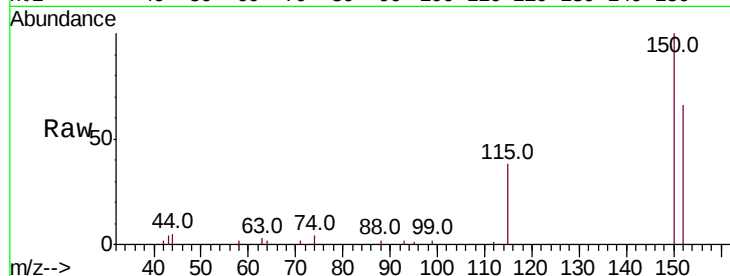
Tot Ion:152 Resp: 4617

Ion Ratio Lower Upper

152 100

150 152.0 121.8 182.6

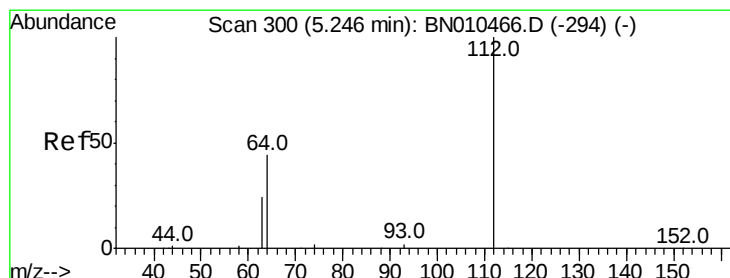
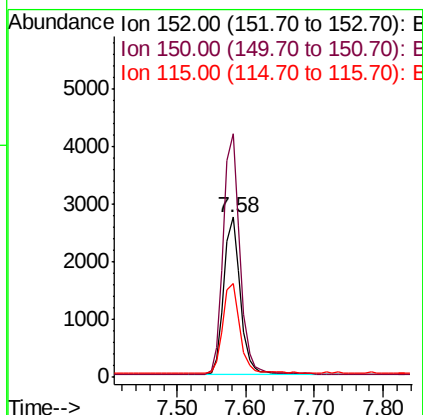
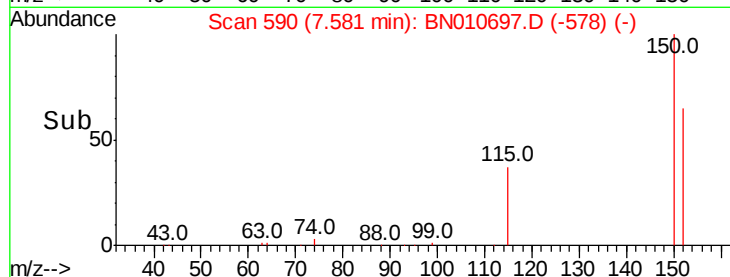
115 58.2 45.5 68.3



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: 0.060 ng

RT: 5.22 min Scan# 297

Delta R.T. 0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

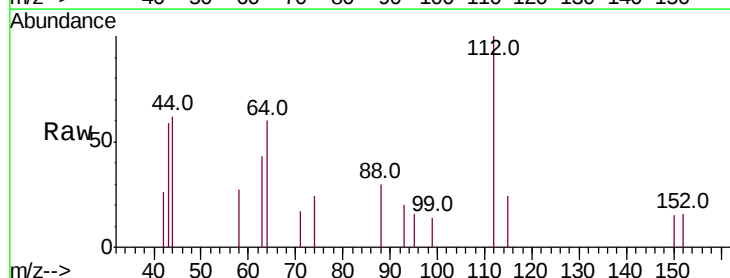
Tgt Ion:112 Resp: 606

Ion Ratio Lower Upper

112 100

64 48.7 35.8 53.8

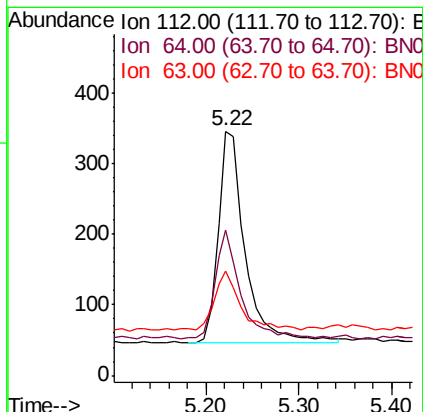
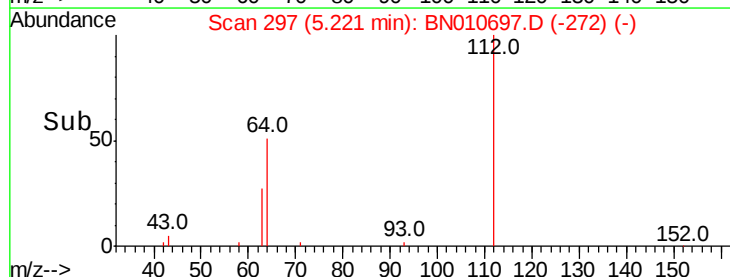
63 27.9 19.9 29.9

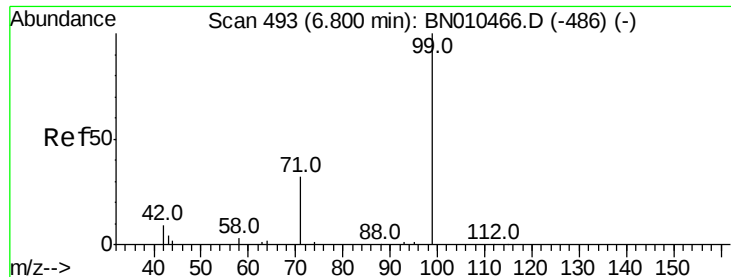


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.031 ng

RT: 6.78 min Scan# 490

Delta R.T. 0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200505

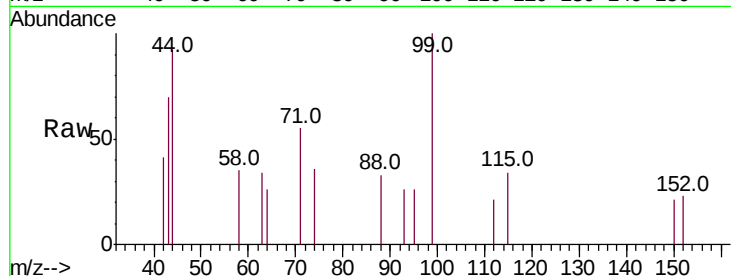
Tot Ion: 99 Resp: 406

Ion Ratio Lower Upper

99 100

42 31.3 9.8 14.6#

71 40.4 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)

6.78

300

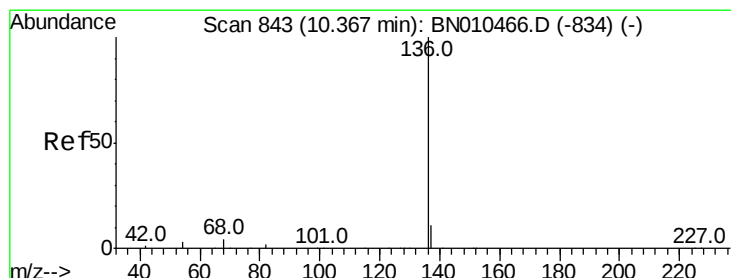
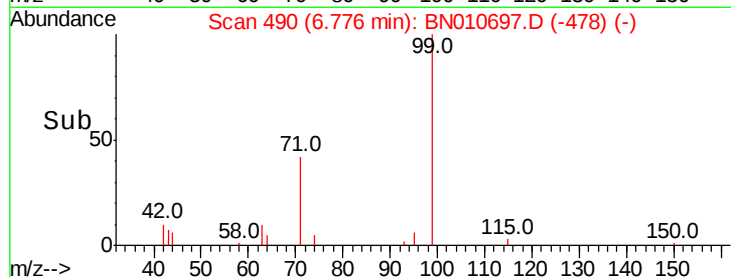
200

100

0

6.70 6.80 6.90

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

Tgt Ion: 136 Resp: 18129

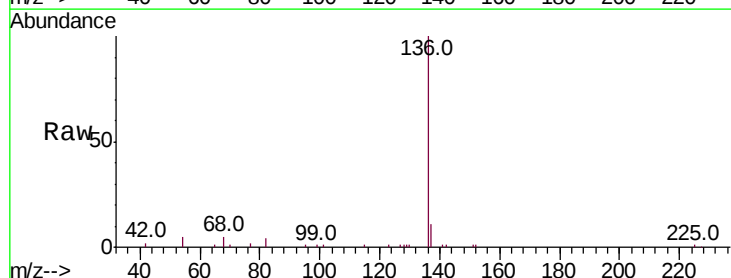
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 4.6 2.6 4.0#

68 5.5 3.4 5.2#



Abundance Ion 136.00 (135.70 to 136.70): BN010466.D (-834) (-)

Ion 137.00 (136.70 to 137.70): BN010466.D (-834) (-)

Ion 54.00 (53.70 to 54.70): BN010466.D (-834) (-)

Ion 68.00 (67.70 to 68.70): BN010466.D (-834) (-)

10.33

15000

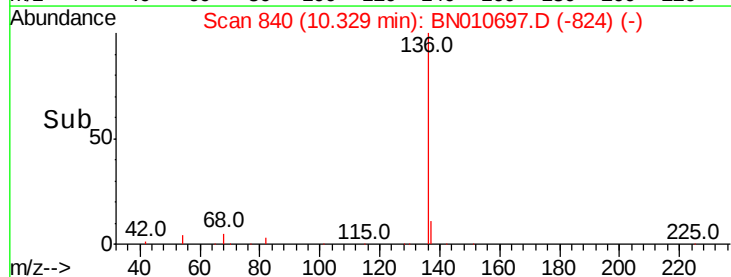
10000

5000

0

10.20 10.40

Time-->





#8

Nitrobenzene-d5

Concen: 0.194 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200505

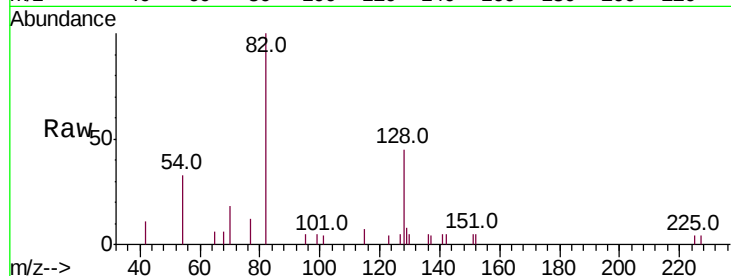
Tot Ion: 82 Resp: 2457

Ion Ratio Lower Upper

82 100

128 45.3 41.3 61.9

54 33.1 23.4 35.0



Abundance Ion 82.00 (81.70 to 82.70): BN010466.D (-711) (-)

Ion 128.00 (127.70 to 128.70): BN010466.D (-711) (-)

Ion 54.00 (53.70 to 54.70): BN010466.D (-711) (-)

8.72

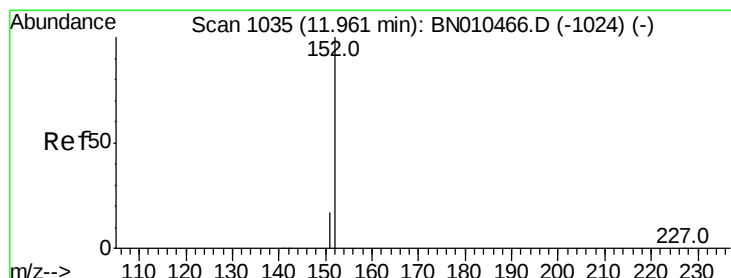
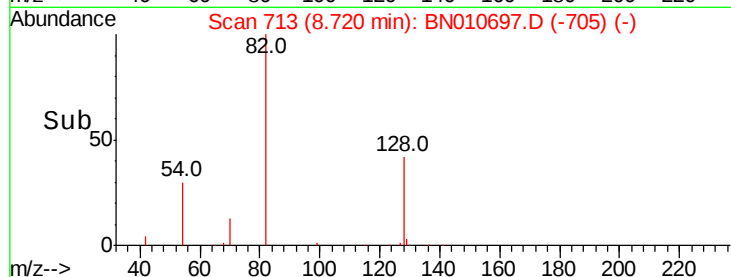
1000

500

0

8.60 8.70 8.80 8.90

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.179 ng

RT: 11.93 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BN010697.D

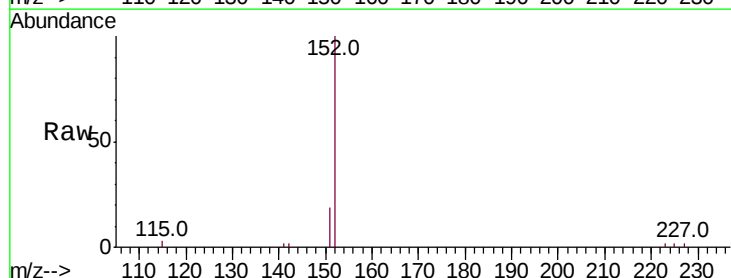
Acq: 12 May 2020 13:10

Tgt Ion: 152 Resp: 5327

Ion Ratio Lower Upper

152 100

151 19.4 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): BN010466.D (-1024) (-)

Ion 151.00 (150.70 to 151.70): BN010466.D (-1024) (-)

11.93

3000

2500

2000

1500

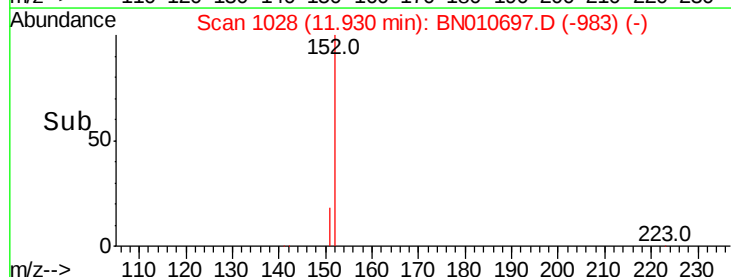
1000

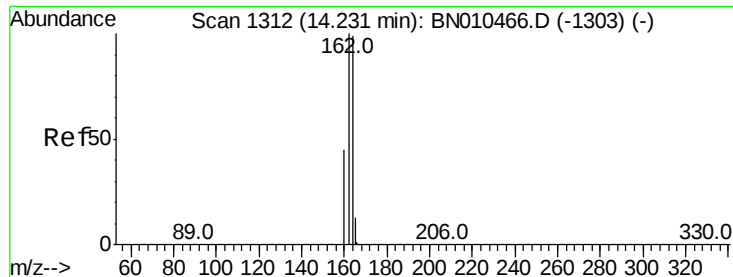
500

0

11.80 11.90 12.00 12.10

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

Instrument :

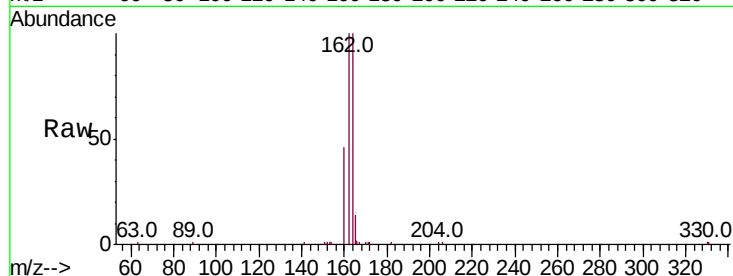
BNA_N

ClientSampleId :

OUTFALL001-200505

Tot Ion:164 Resp: 11429

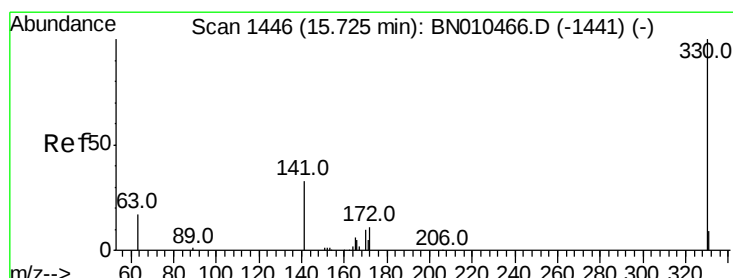
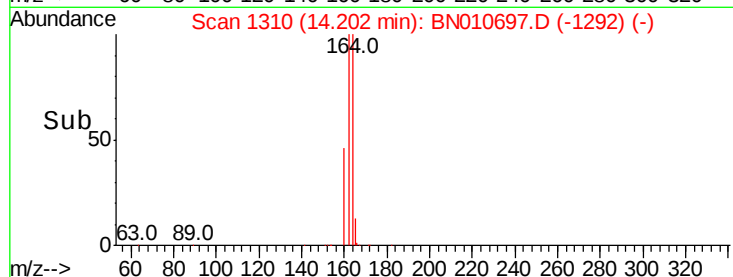
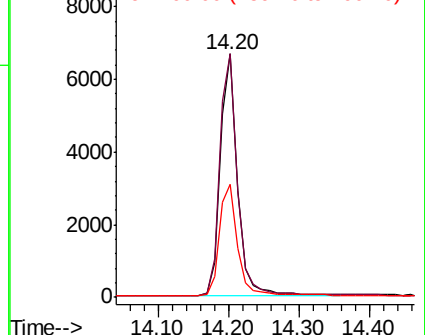
Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.6	121.0
160	46.4	36.5	54.7



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: 0.165 ng

RT: 15.71 min Scan# 1445

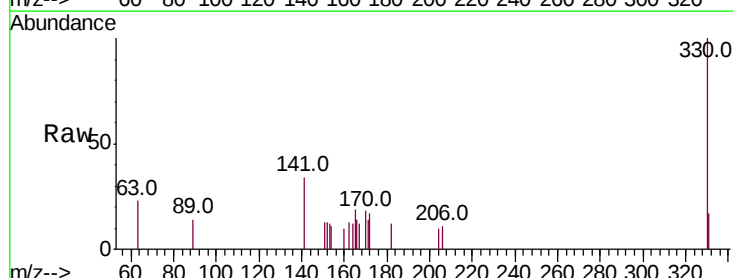
Delta R.T. 0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

Tgt Ion:330 Resp: 888

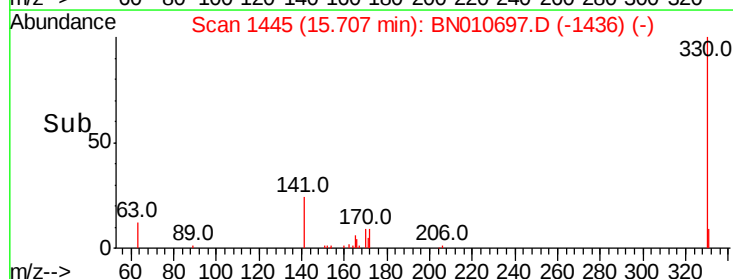
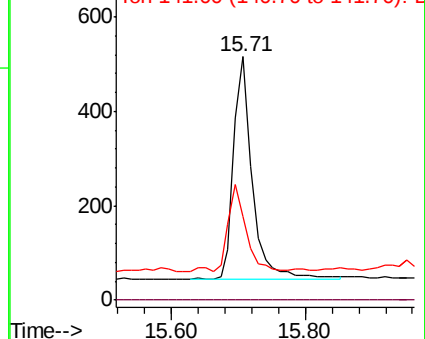
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.0	28.1	42.1

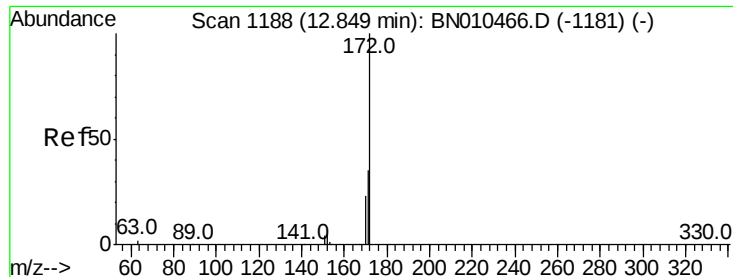


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

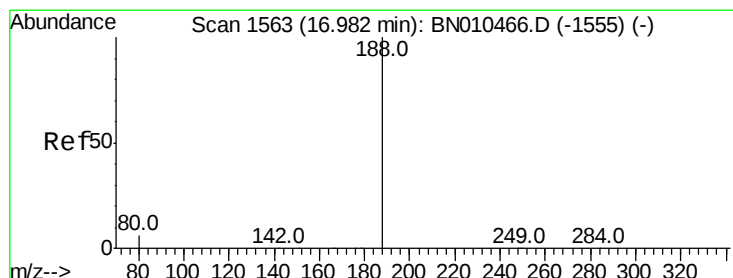
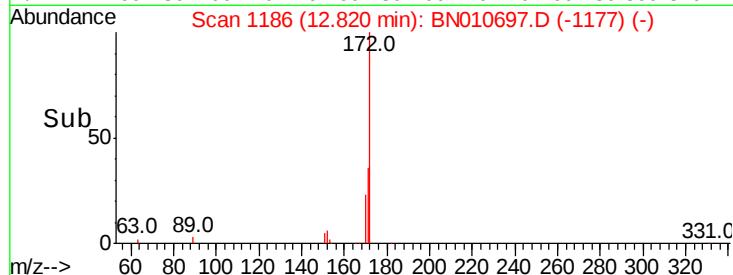
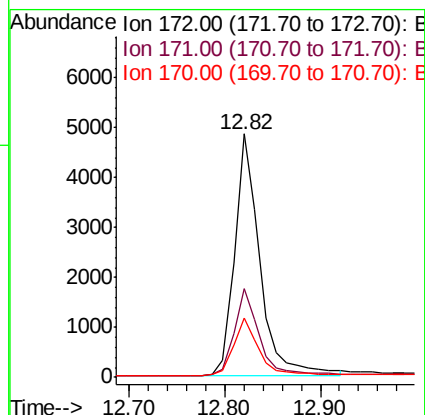
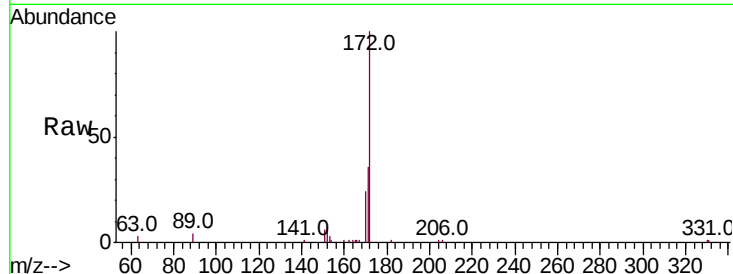




#15
 2-Fluorobiphenyl
 Concen: 0.211 ng
 RT: 12.82 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BN010697.D
 Acq: 12 May 2020 13:10

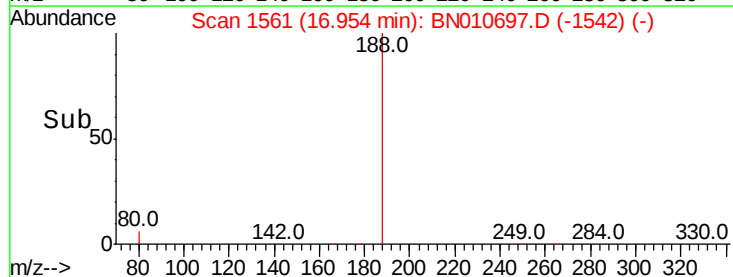
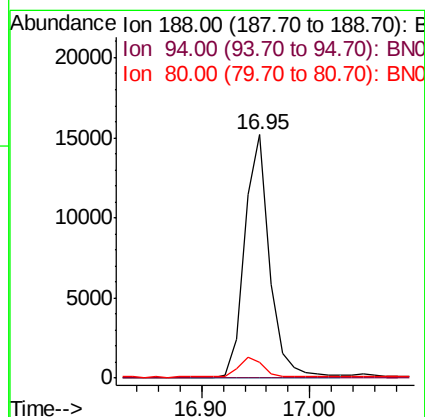
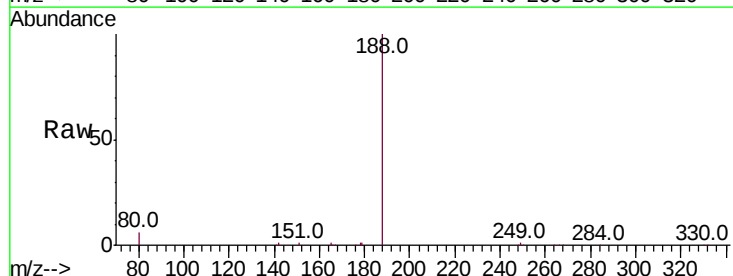
Instrument :
 BNA_N
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 OUTFALL001-200505

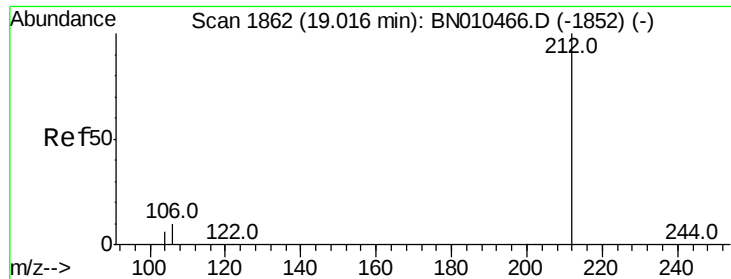
Tot Ion:172 Resp: 8793
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.2 42.2
 170 24.1 18.4 27.6



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.95 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: BN010697.D
 Acq: 12 May 2020 13:10

Tgt Ion:188 Resp: 24090
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 6.3 5.0 7.6





#25

Fluoranthene-d10

Concen: 0.209 ng

RT: 18.99 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200505

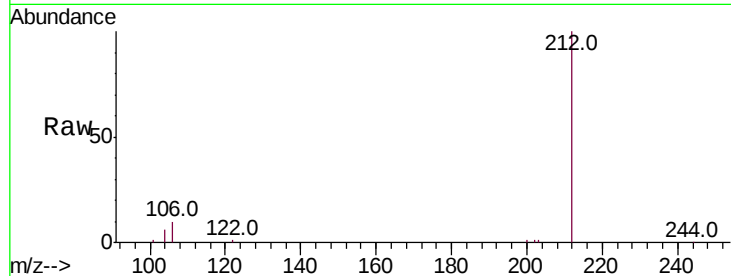
Tot Ion:212 Resp: 15296

Ion Ratio Lower Upper

212 100

106 10.0 7.8 11.6

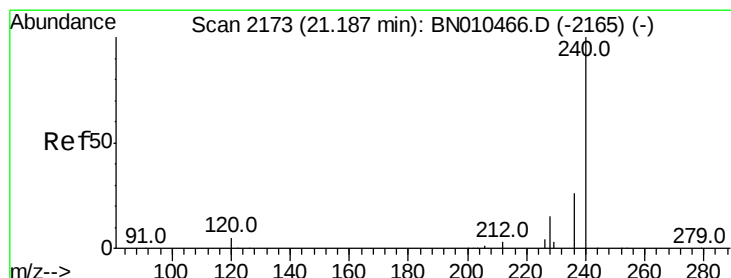
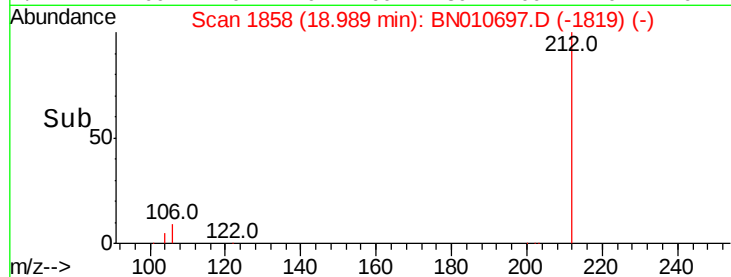
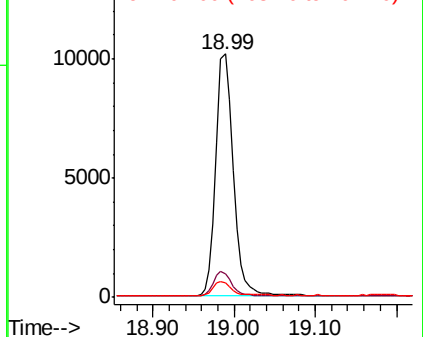
104 5.7 4.5 6.7



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.15 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

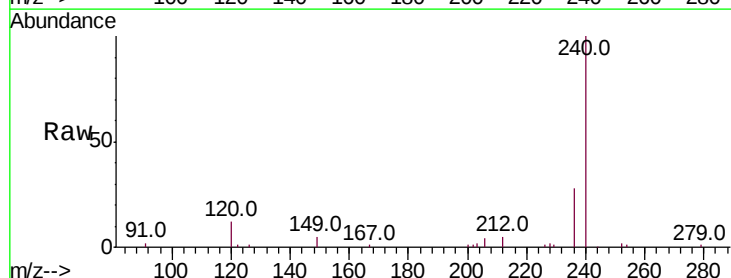
Tgt Ion:240 Resp: 20810

Ion Ratio Lower Upper

240 100

120 12.1 4.8 7.2#

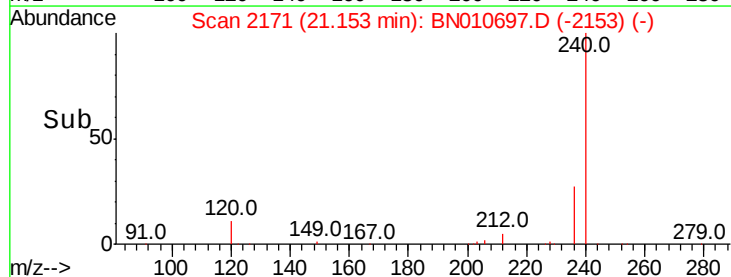
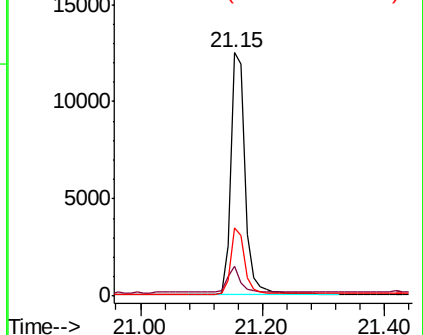
236 28.1 21.4 32.0

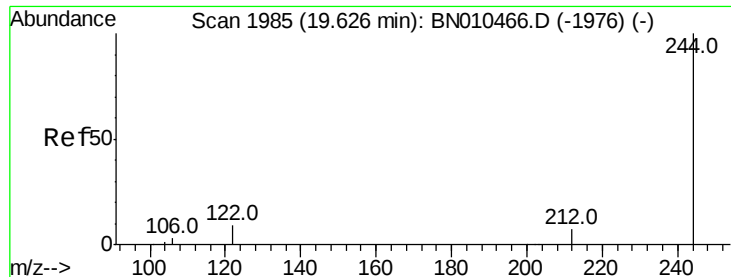


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.303 ng

RT: 19.60 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

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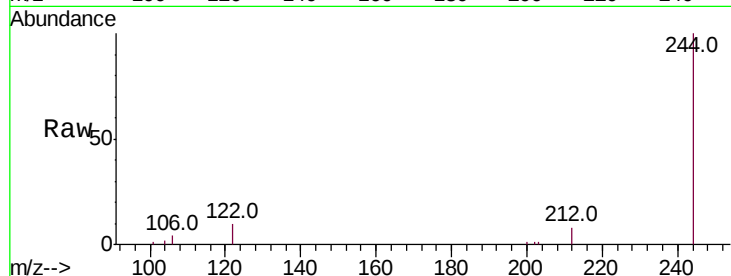
Tot Ion:244 Resp: 14419

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.4

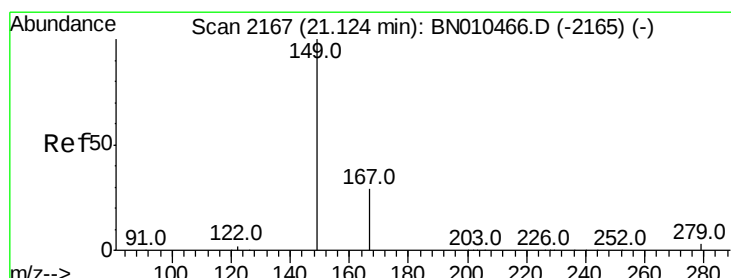
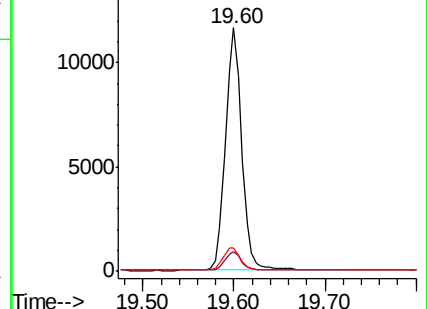
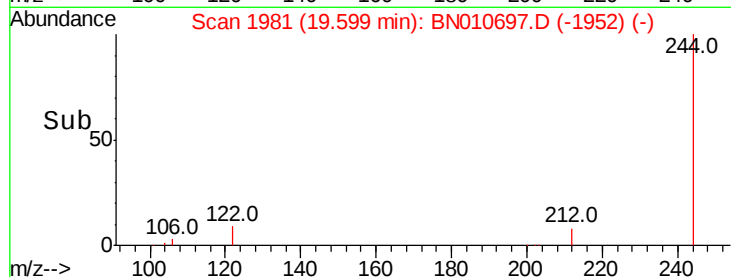
122 9.6 7.8 11.8



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.125 ng

RT: 21.10 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

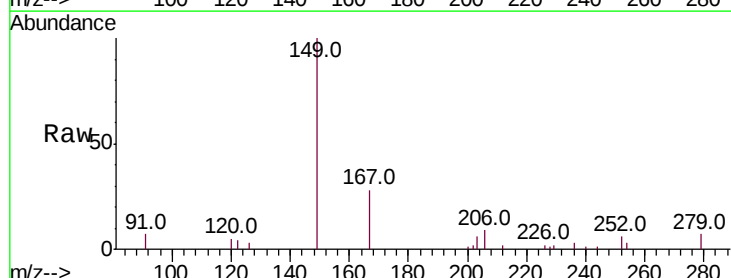
Tgt Ion:149 Resp: 4371

Ion Ratio Lower Upper

149 100

167 28.5 23.4 35.0

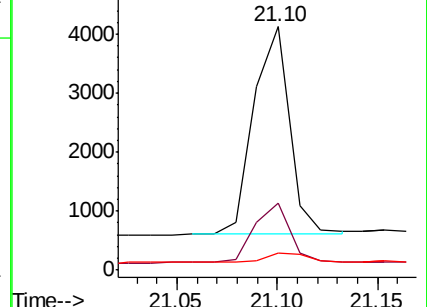
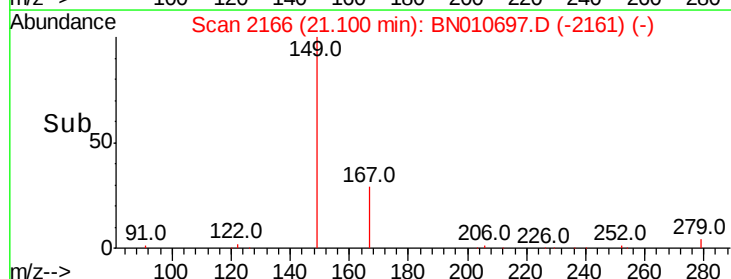
279 5.2 4.0 6.0

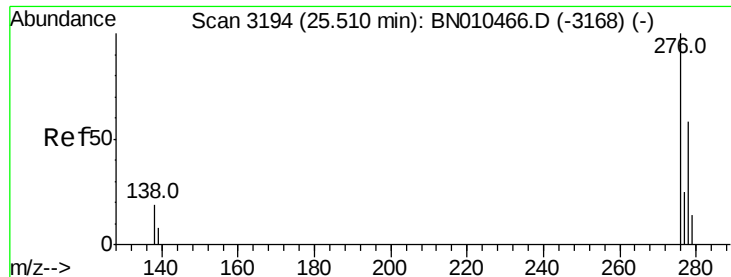


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.033 ng

RT: 25.47 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200505

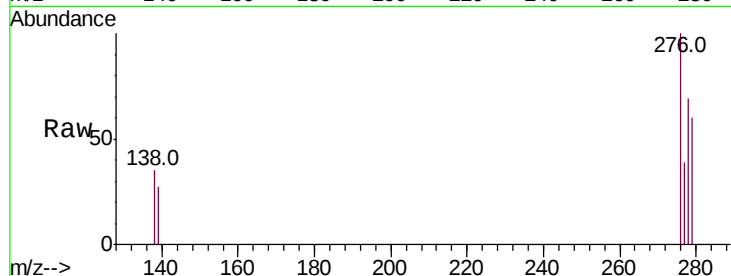
Tot Ion:276 Resp: 2000

Ion Ratio Lower Upper

276 100

138 7.5 16.4 24.6#

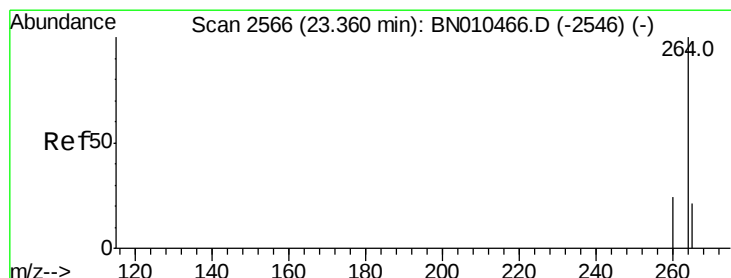
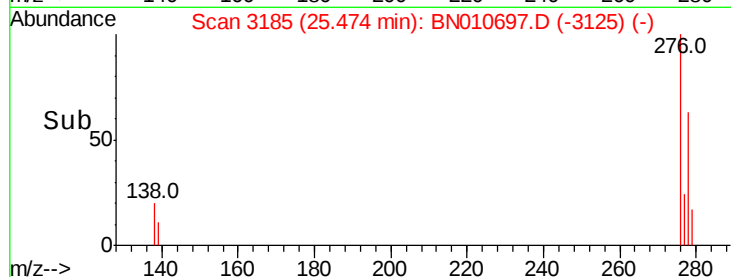
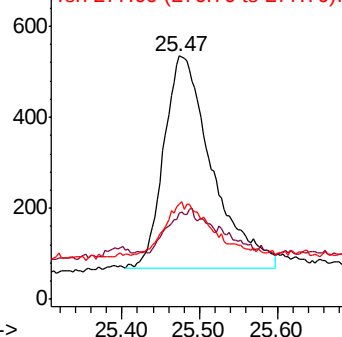
277 10.3 19.8 29.6#



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: 23.32 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

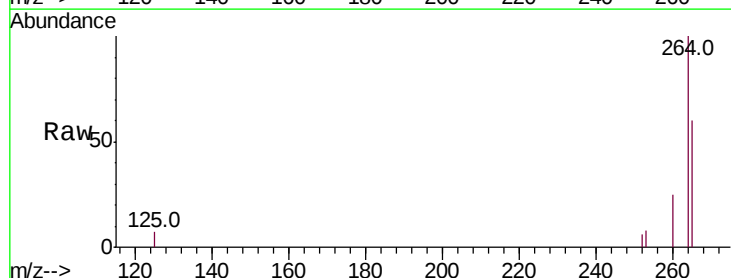
Tgt Ion:264 Resp: 19545

Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.8

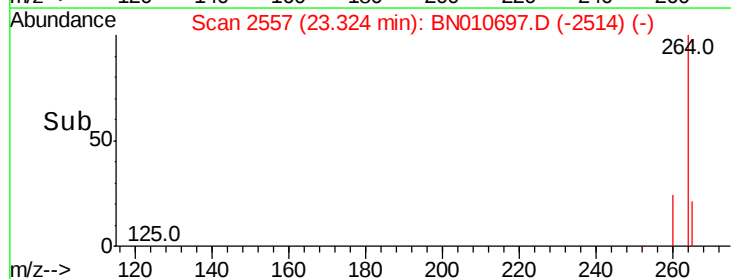
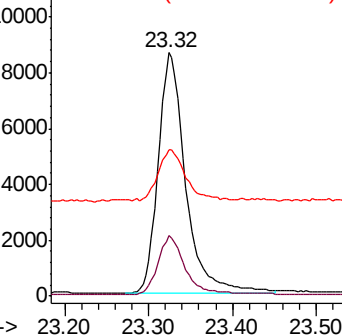
265 60.1 42.3 63.5

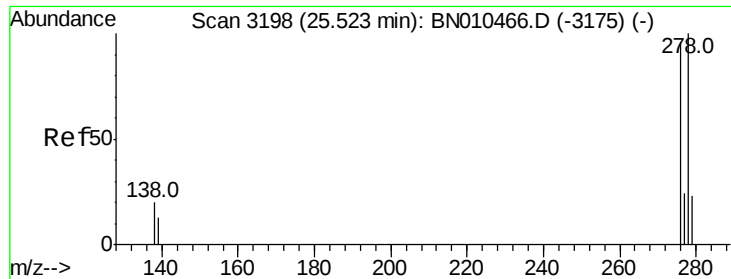


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.036 ng

RT: 25.49 min Scan# 3191

Delta R.T. 0.01 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200505

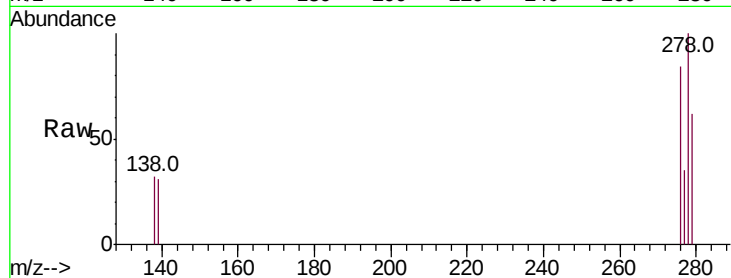
Tot Ion:278 Resp: 1888

Ion Ratio Lower Upper

278 100

139 30.6 12.3 18.5#

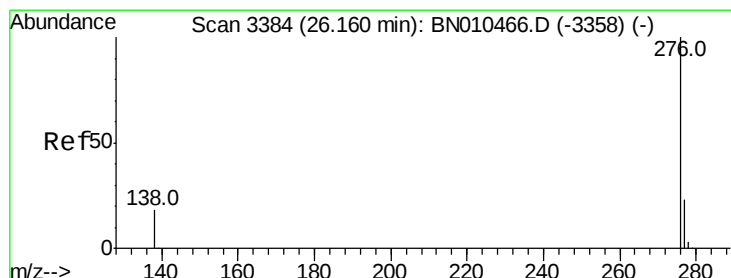
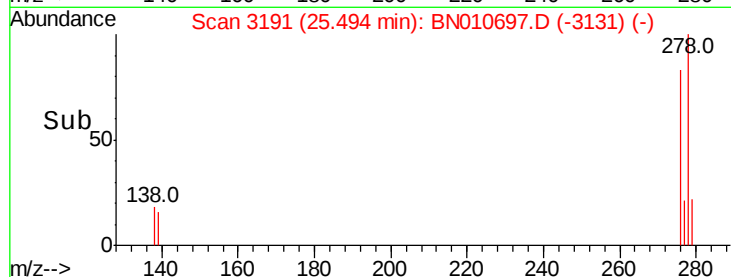
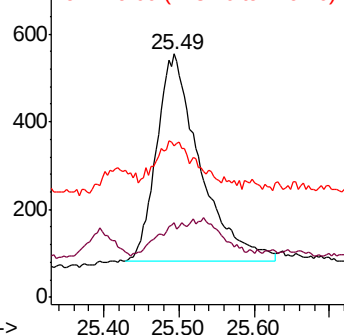
279 62.3 21.9 32.9#



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: 0.025 ng

RT: 26.12 min Scan# 3373

Delta R.T. 0.01 min

Lab File: BN010697.D

Acq: 12 May 2020 13:10

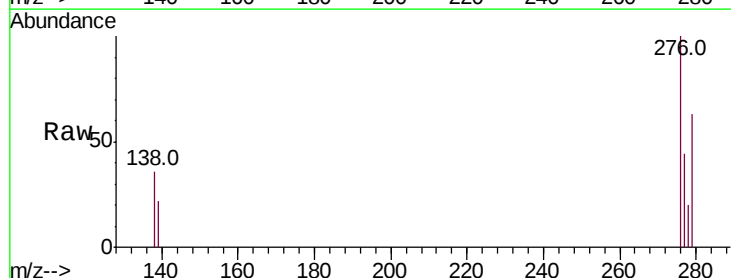
Tgt Ion:276 Resp: 1307

Ion Ratio Lower Upper

276 100

277 43.7 20.2 30.2#

138 36.1 15.4 23.2#



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

