

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070720\
 Data File : BN011109.D
 Acq On : 07 Jul 2020 09:24
 Operator : CG/JU
 Sample : PB129931BL
 Misc : MDL-SOIL-PBBL-06
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB129931BL

Quant Time: Jul 07 10:50:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 10:47:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	2039	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	6147	0.40	ng	0.03
13) Acenaphthene-d10	14.14	164	3254	0.40	ng	0.01
19) Phenanthrene-d10	16.91	188	6602	0.40	ng	0.02
29) Chrysene-d12	21.11	240	5682	0.40	ng	0.01
36) Perylene-d12	23.25	264	5777	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	1492	0.29	ng	0.00
5) Phenol-d6	6.73	99	1301	0.22	ng	0.00
8) Nitrobenzene-d5	8.68	82	1687	0.32	ng	0.03
11) 2-Methylnaphthalene-d10	11.88	152	3999	0.38	ng	0.03
14) 2,4,6-Tribromophenol	15.68	330	292	0.21	ng	0.04
15) 2-Fluorobiphenyl	12.77	172	4081	0.27	ng	0.03
27) Fluoranthene-d10	18.94	212	7973	0.40	ng	0.00
31) Terphenyl-d14	19.55	244	5748	0.39	ng	0.00

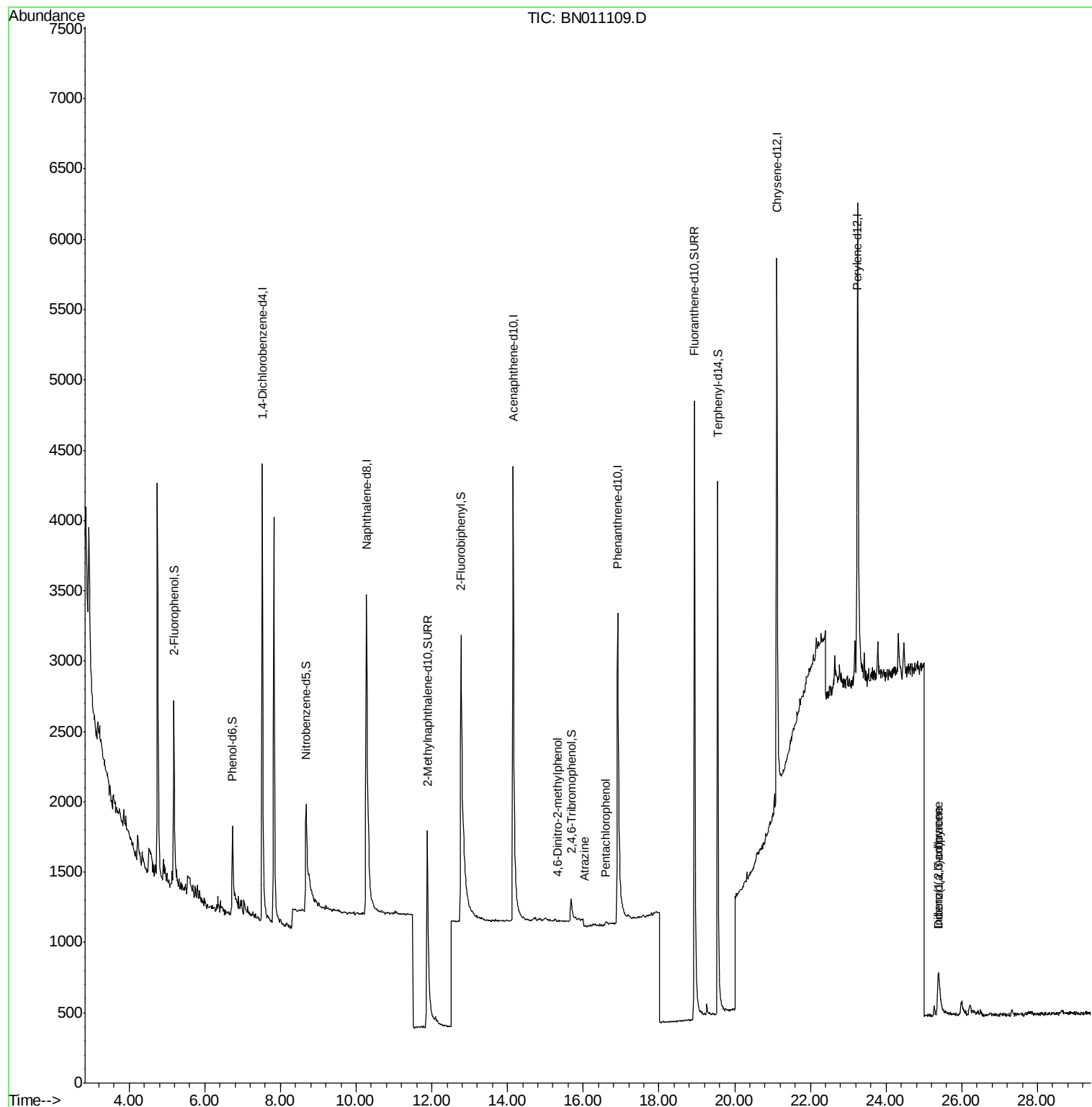
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 4,6-Dinitro-2-methylphenol	15.32	198	5	0.096	ng	# 42
23) Atrazine	16.03	200	268	0.086	ng	# 6
24) Pentachlorophenol	16.59	266	36	0.026	ng	# 88
35) Indeno(1,2,3-cd)pyrene	25.37	276	517	0.023	ng	# 76
40) Dibenzo(a,h)anthracene	25.38	278	562	0.027	ng	# 1

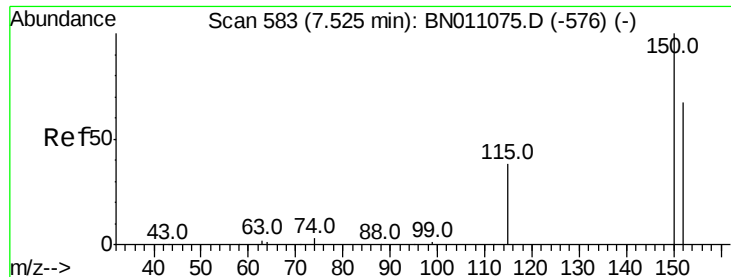
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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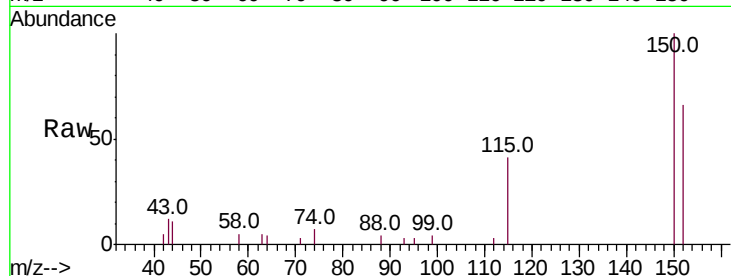


#1

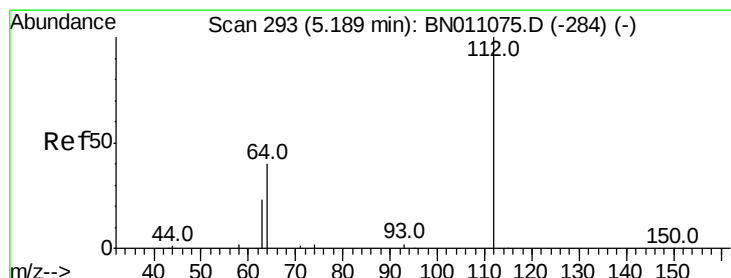
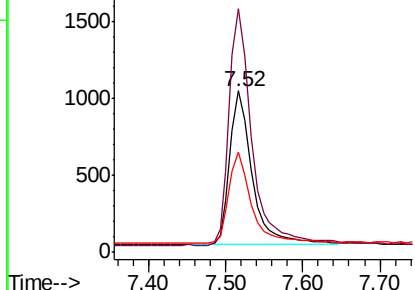
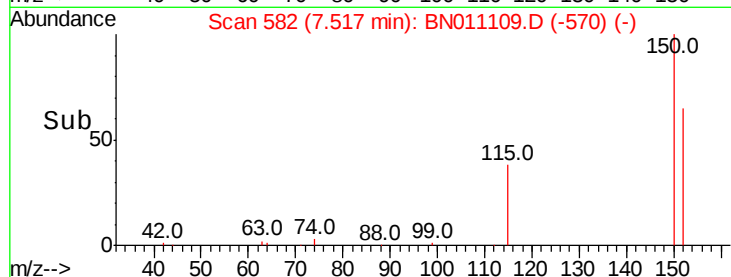
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.52 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: BN01109.D
 Acq: 07 Jul 2020 09:24

Instrument :
 BNA_N
 ClientSampleId :
 PB129931BL

Tot Ion:152 Resp: 2039
 Ion Ratio Lower Upper
 152 100
 150 150.6 117.4 176.0
 115 61.7 47.9 71.9



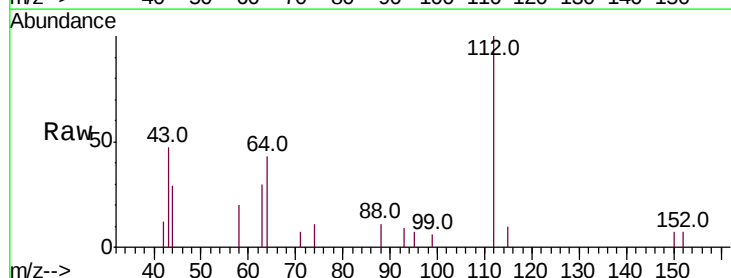
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



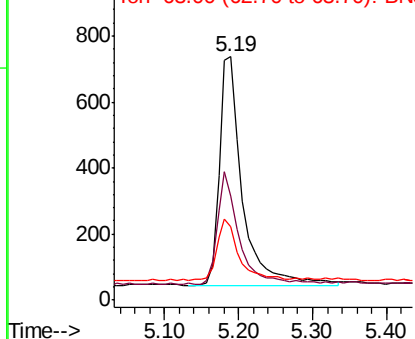
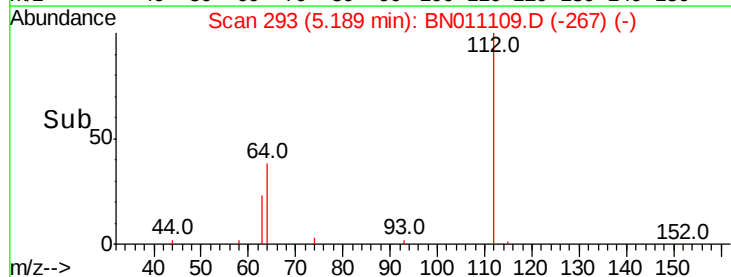
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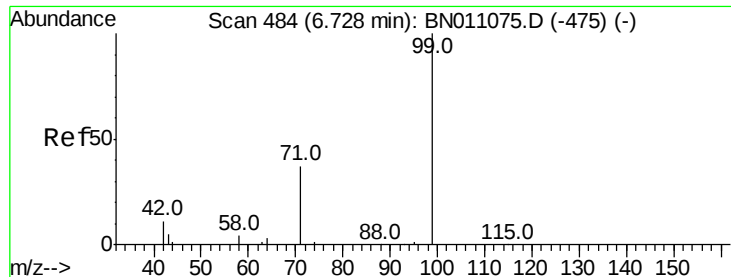
2-Fluorophenol
 Concen: 0.294 ng
 RT: 5.19 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BN01109.D
 Acq: 07 Jul 2020 09:24

Tgt Ion:112 Resp: 1492
 Ion Ratio Lower Upper
 112 100
 64 46.2 36.5 54.7
 63 25.0 20.6 30.8



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: 0.223 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.01 min

Lab File: BN011109.D

Acq: 07 Jul 2020 09:24

Instrument :

BNA_N

ClientSampleId :

PB129931BL

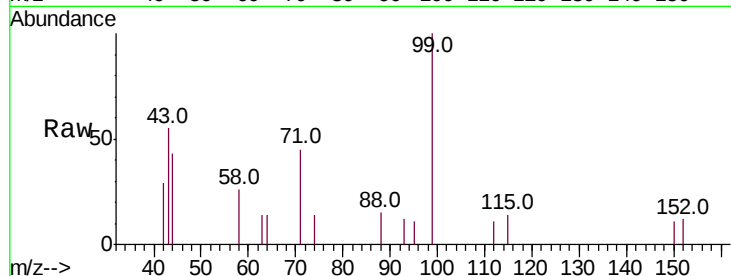
Tot Ion: 99 Resp: 1301

Ion Ratio Lower Upper

99 100

42 11.1 9.8 14.8

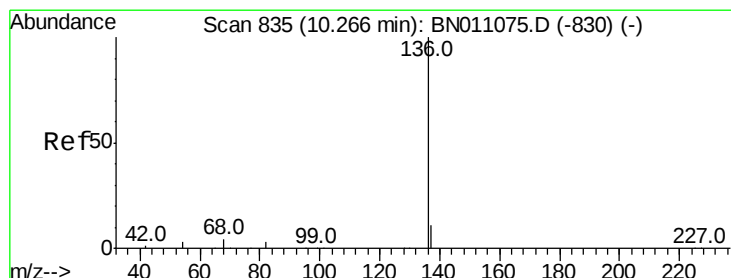
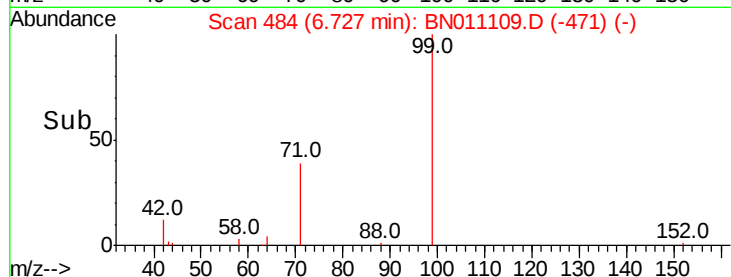
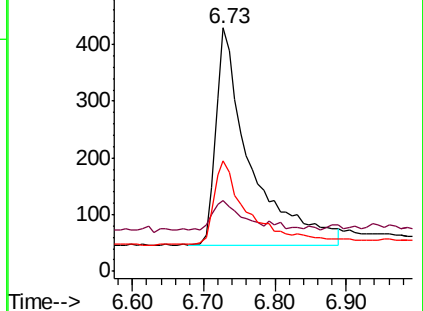
71 38.4 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011109.D (-475) (-)

Ion 42.00 (41.70 to 42.70): BN011109.D (-475) (-)

Ion 71.00 (70.70 to 71.70): BN011109.D (-475) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.03 min

Lab File: BN011109.D

Acq: 07 Jul 2020 09:24

Tgt Ion: 136 Resp: 6147

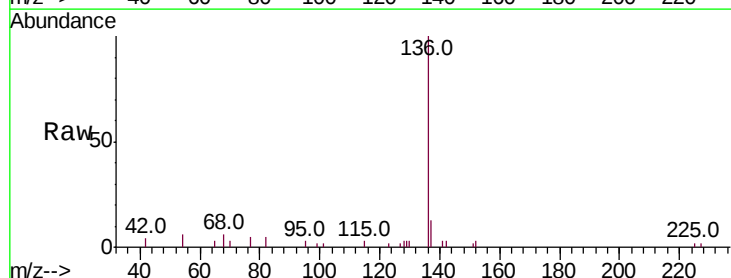
Ion Ratio Lower Upper

136 100

137 13.4 9.6 14.4

54 6.0 3.8 5.6#

68 6.0 4.3 6.5

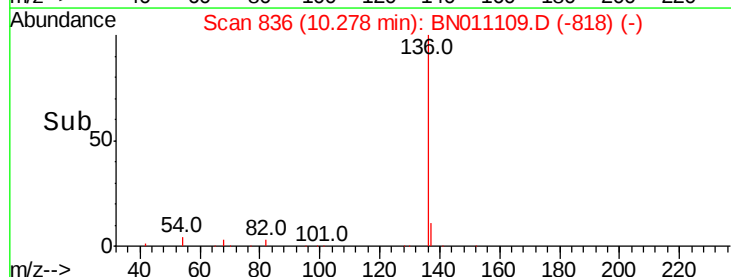
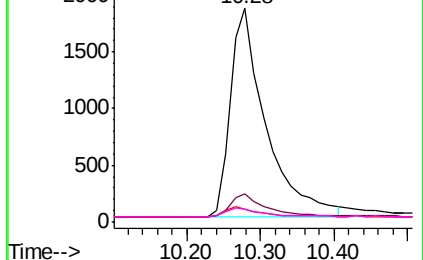


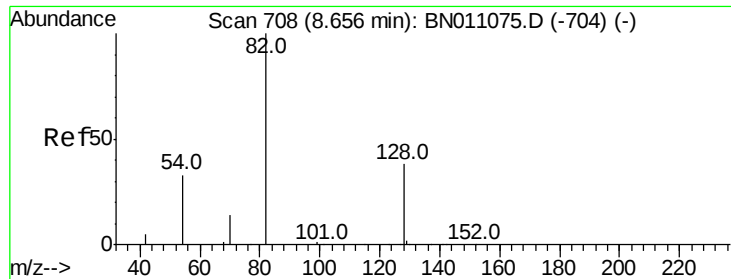
Abundance Ion 136.00 (135.70 to 136.70): BN011109.D (-818) (-)

Ion 137.00 (136.70 to 137.70): BN011109.D (-818) (-)

Ion 54.00 (53.70 to 54.70): BN011109.D (-818) (-)

Ion 68.00 (67.70 to 68.70): BN011109.D (-818) (-)

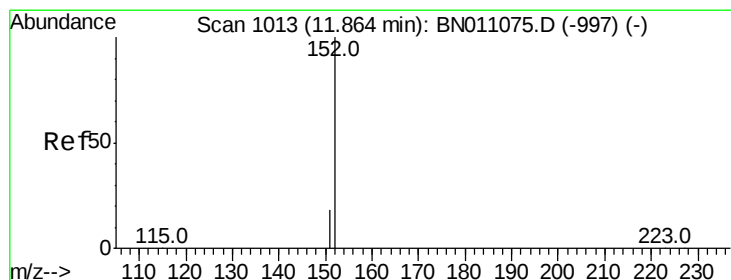
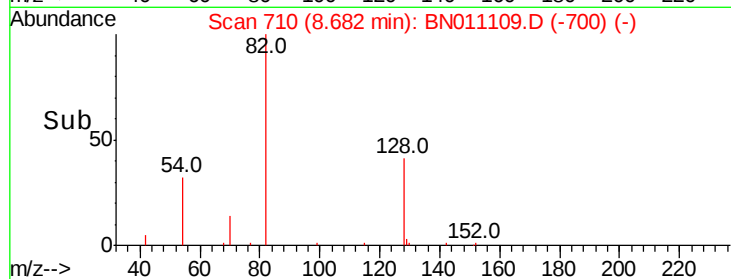
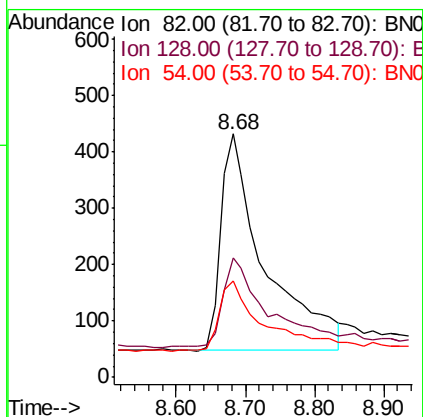
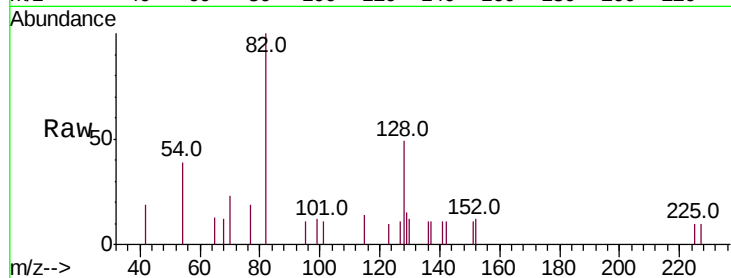




#8
 Nitrobenzene-d5
 Concen: 0.323 ng
 RT: 8.68 min Scan# 710
 Delta R.T. 0.03 min
 Lab File: BN011109.D
 Acq: 07 Jul 2020 09:24

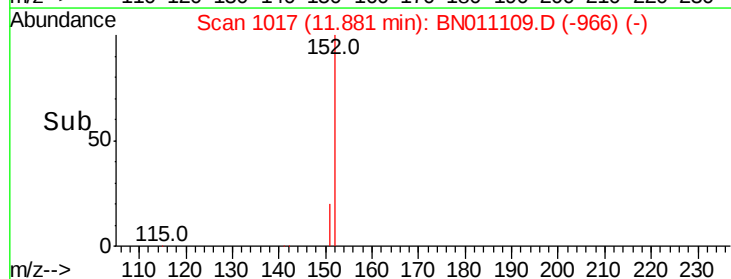
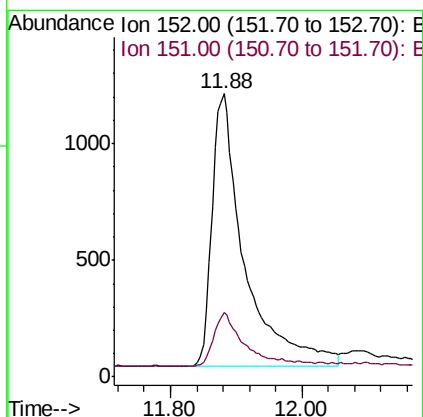
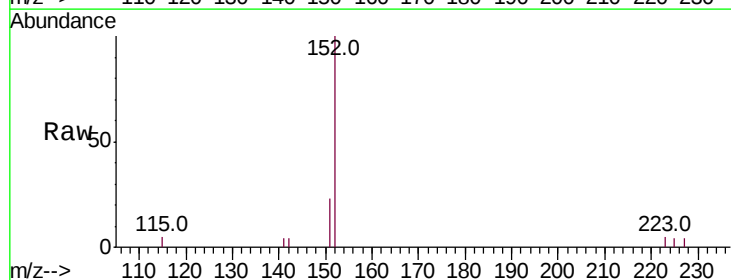
Instrument :
 BNA_N
 ClientSampleId :
 PB129931BL

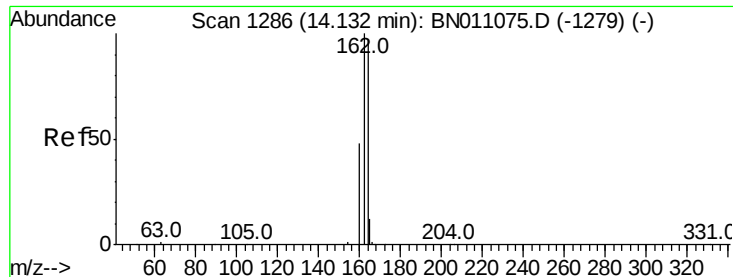
Tot Ion	82	Resp	1687
Ion Ratio	Lower	Upper	
82	100		
128	49.1	34.2	51.2
54	39.4	29.4	44.0



#11
 2-Methylnaphthalene-d10
 Concen: 0.376 ng
 RT: 11.88 min Scan# 1017
 Delta R.T. 0.03 min
 Lab File: BN011109.D
 Acq: 07 Jul 2020 09:24

Tgt Ion	152	Resp	3999
Ion Ratio	Lower	Upper	
152	100		
151	18.1	16.6	24.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011109.D

Acq: 07 Jul 2020 09:24

Instrument :

BNA_N

ClientSampleId :

PB129931BL

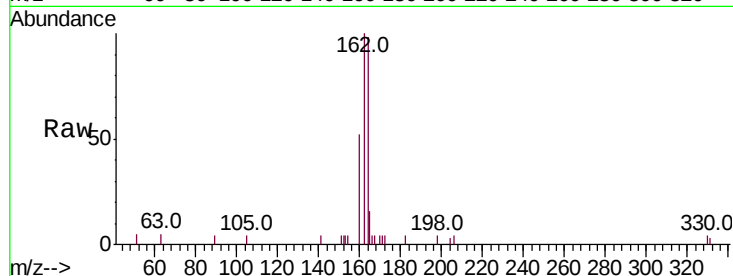
Tot Ion:164 Resp: 3254

Ion Ratio Lower Upper

164 100

162 101.6 82.3 123.5

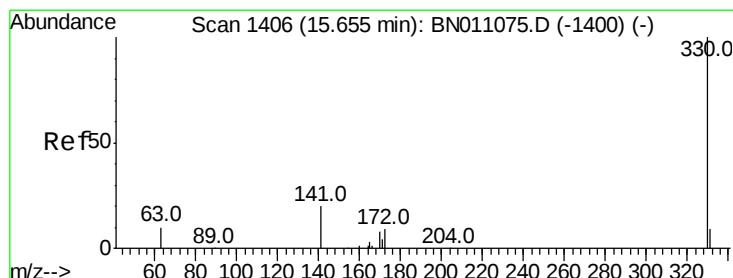
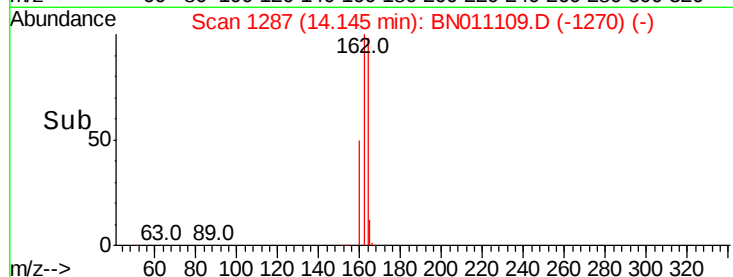
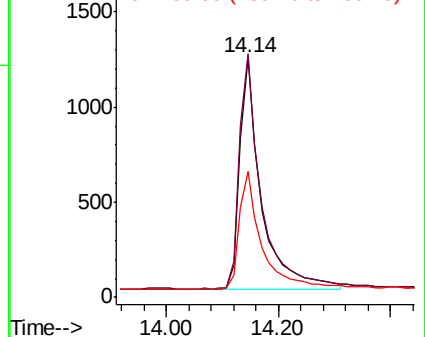
160 52.7 40.6 61.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.214 ng

RT: 15.68 min Scan# 1408

Delta R.T. 0.04 min

Lab File: BN011109.D

Acq: 07 Jul 2020 09:24

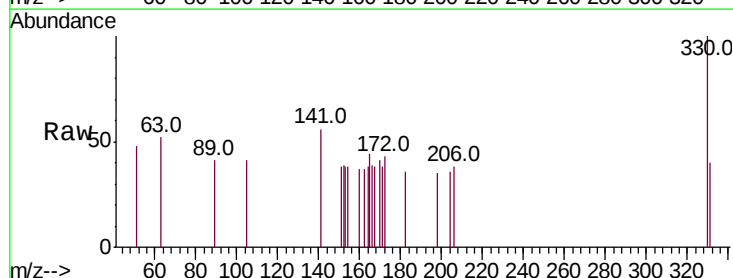
Tgt Ion:330 Resp: 292

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

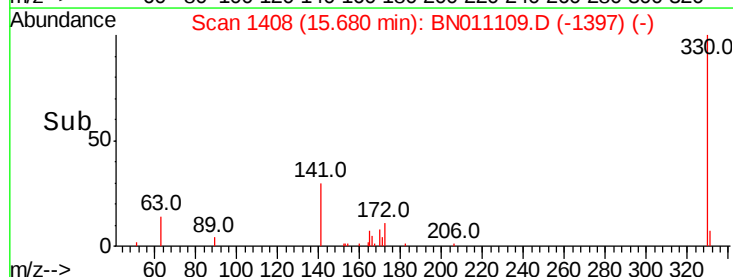
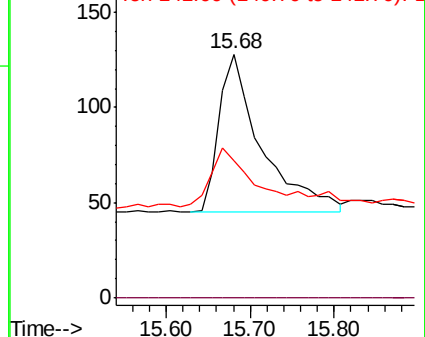
141 42.8 32.6 49.0

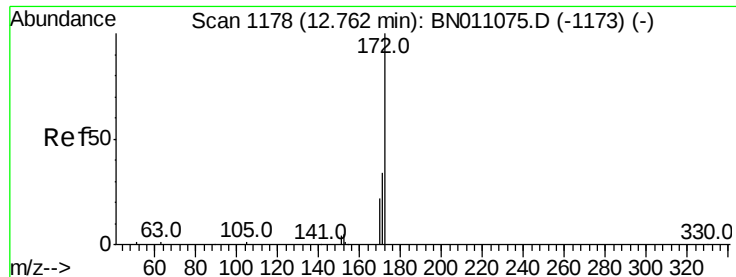


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

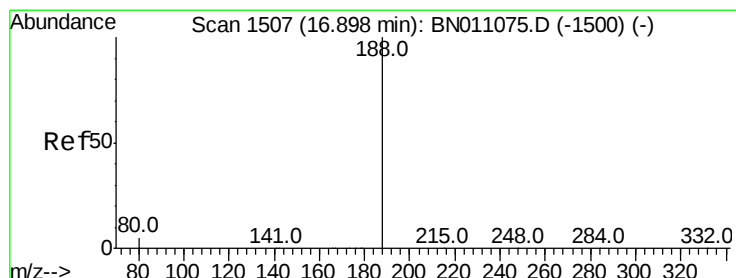
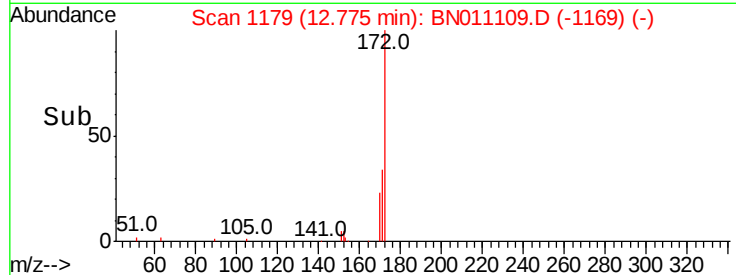
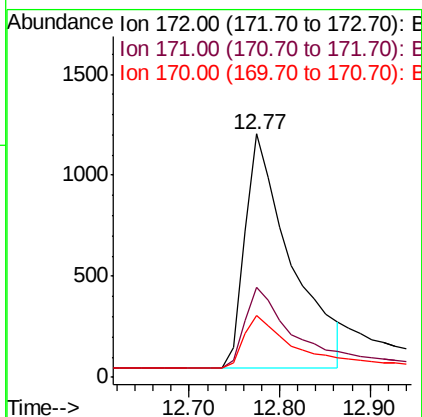
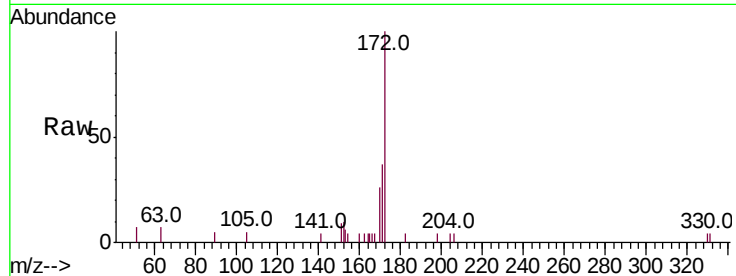




#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 12.77 min Scan# 1179
Delta R.T. 0.03 min
Lab File: BN011109.D
Acq: 07 Jul 2020 09:24

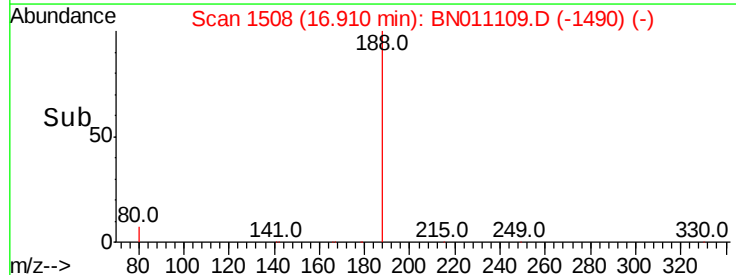
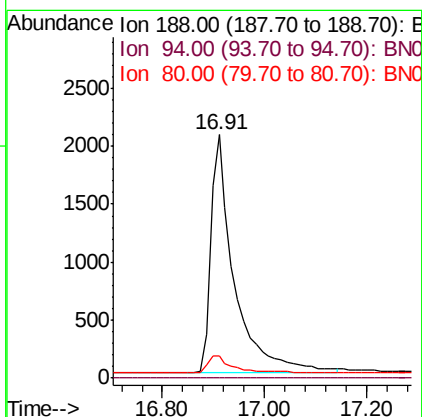
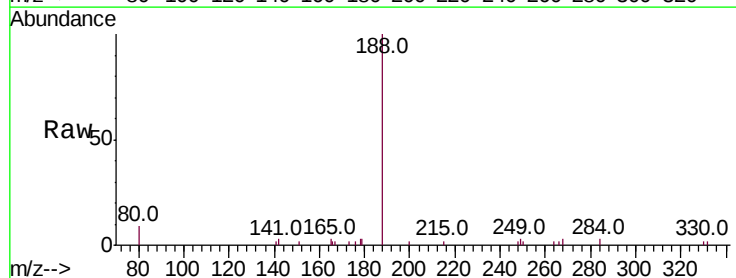
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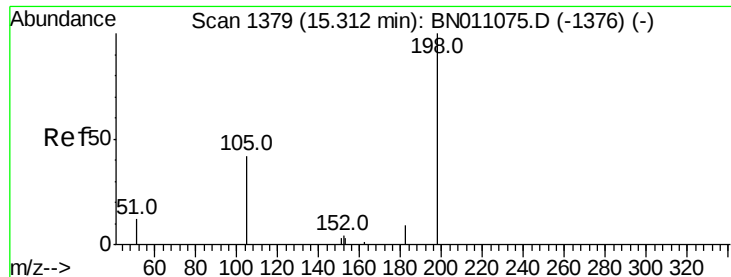
Tot Ion:172 Resp: 4081
Ion Ratio Lower Upper
172 100
171 36.8 27.9 41.9
170 25.6 18.7 28.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1508
Delta R.T. 0.02 min
Lab File: BN011109.D
Acq: 07 Jul 2020 09:24

Tgt Ion:188 Resp: 6602
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.9 5.3 7.9#

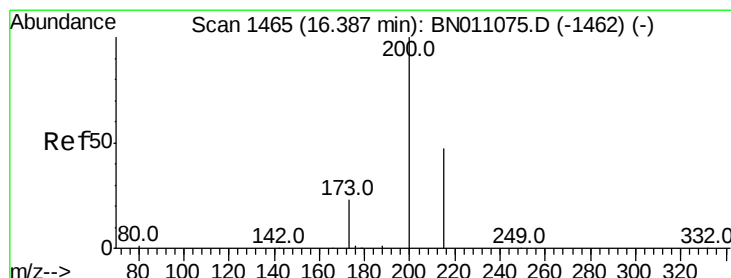
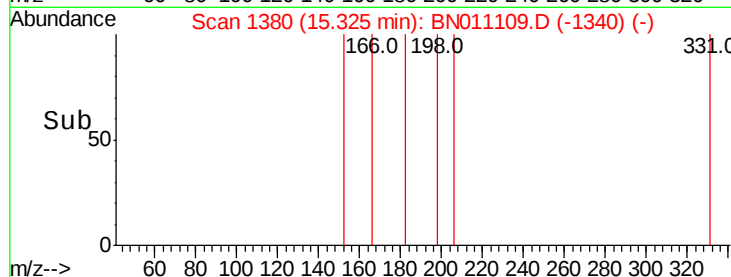
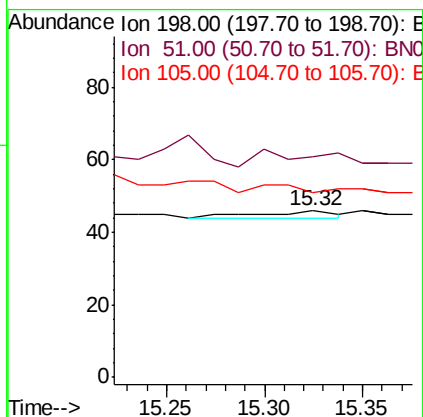
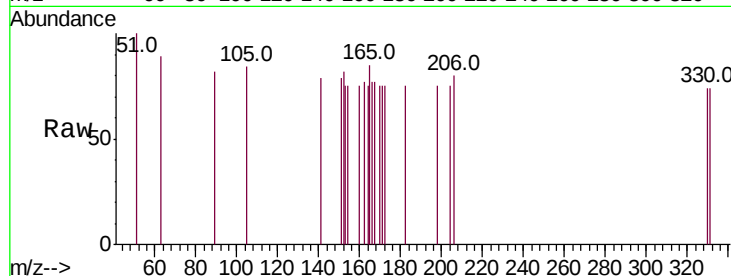




#20
4,6-Dinitro-2-methylphenol
Concen: 0.096 ng
RT: 15.32 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BN011109.D
Acq: 07 Jul 2020 09:24

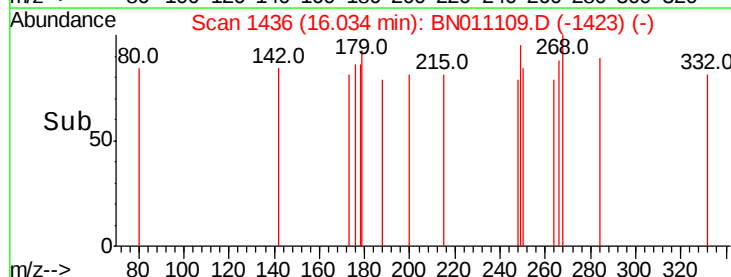
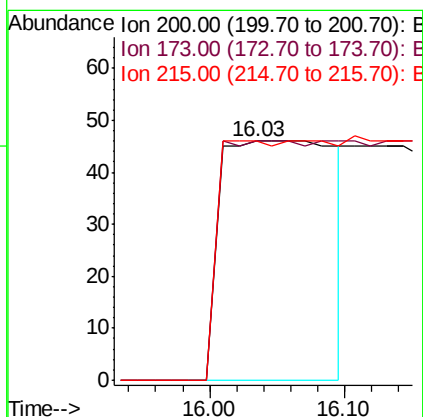
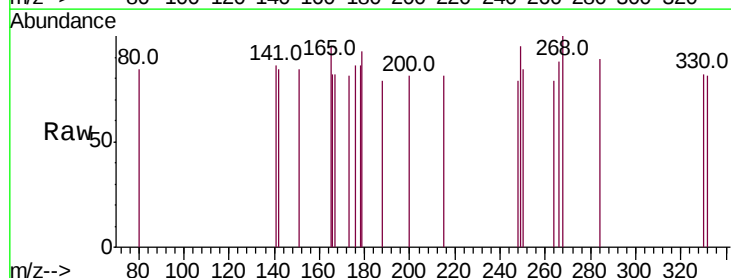
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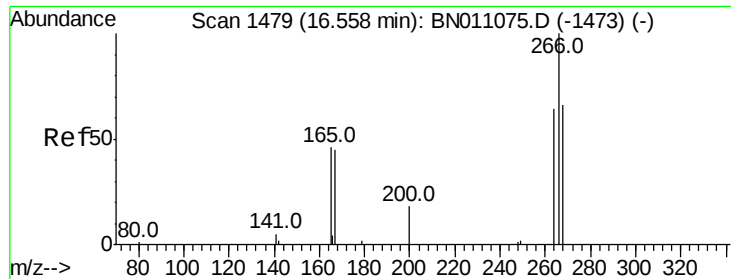
Tot Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
51 132.6 58.2 87.4#
105 110.9 59.0 88.4#



#23
Atrazine
Concen: 0.086 ng
RT: 16.03 min Scan# 1436
Delta R.T. -0.34 min
Lab File: BN011109.D
Acq: 07 Jul 2020 09:24

Tgt Ion:200 Resp: 268
Ion Ratio Lower Upper
200 100
173 100.0 22.8 34.2#
215 100.0 40.7 61.1#

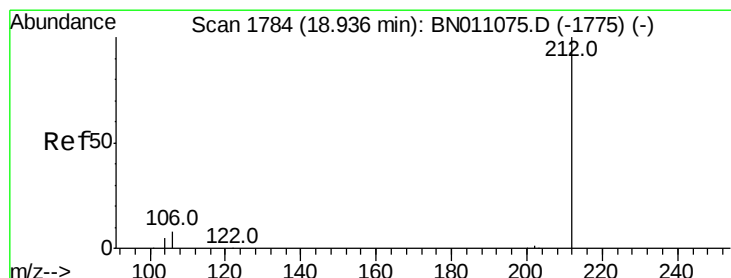
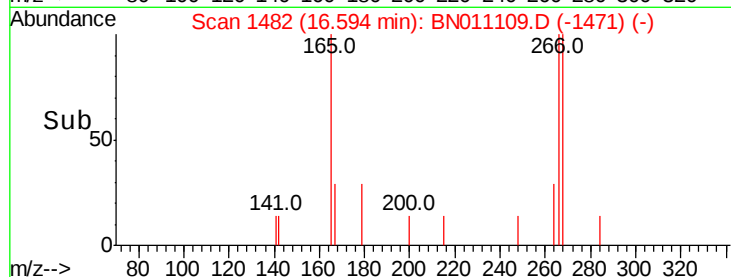
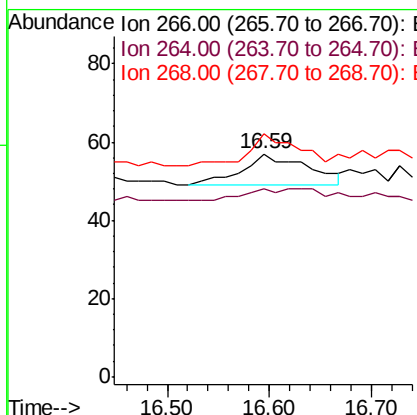
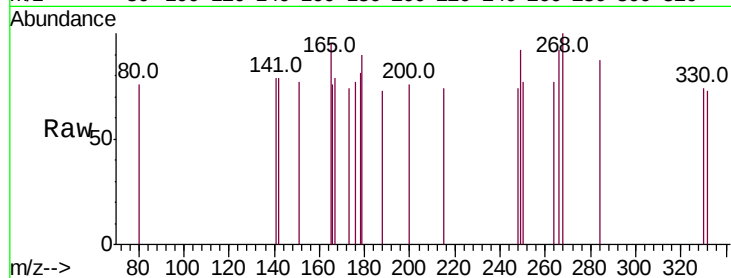




#24
 Pentachlorophenol
 Concen: 0.026 ng
 RT: 16.59 min Scan# 1482
 Delta R.T. 0.04 min
 Lab File: BN011109.D
 Acq: 07 Jul 2020 09:24

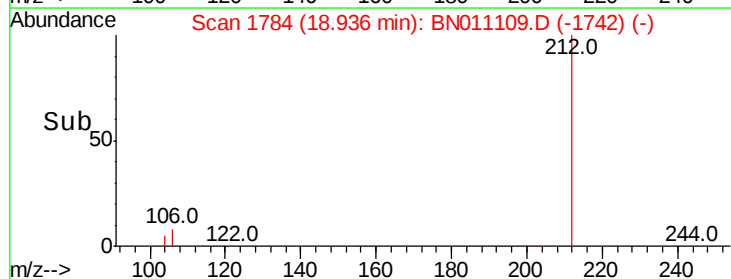
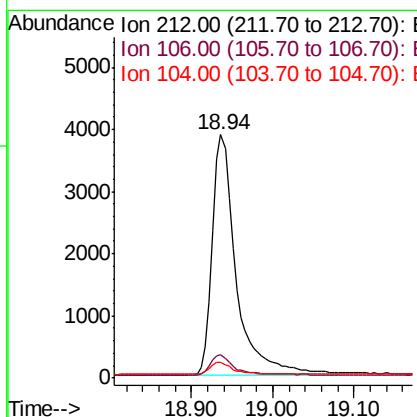
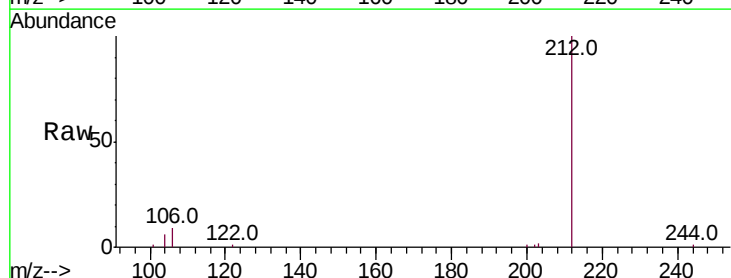
Instrument :
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 ClientSampleId :
 PB129931BL

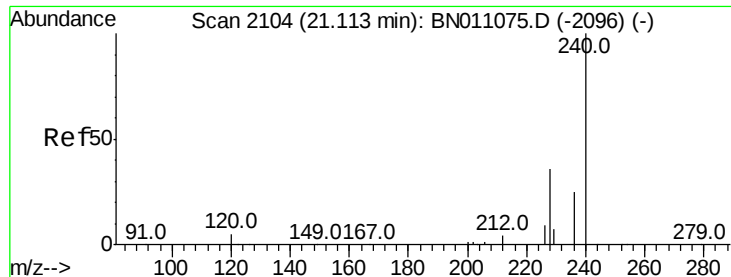
Tot Ion:266	Resp:	36	
Ion Ratio	Lower	Upper	
266	100		
264	47.2	47.4	71.0#
268	75.0	55.0	82.4



#27
 Fluoranthene-d10
 Concen: 0.399 ng
 RT: 18.94 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BN011109.D
 Acq: 07 Jul 2020 09:24

Tgt Ion	212	Resp: Lower	7973 Upper
	Ratio 100		
106	8.2	7.1	10.7
104	4.9	4.2	6.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BN011109.D

Acq: 07 Jul 2020 09:24

Instrument :

BNA_N

ClientSampleId :

PB129931BL

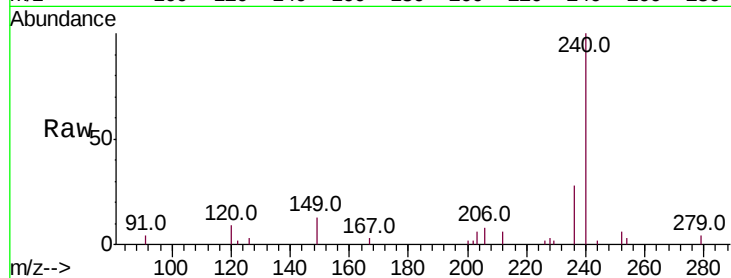
Tot Ion:240 Resp: 5682

Ion Ratio Lower Upper

240 100

120 9.2 6.5 9.7

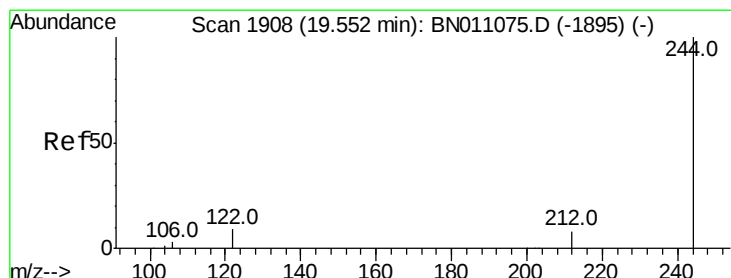
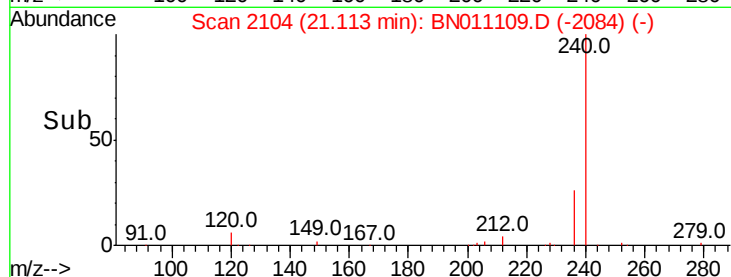
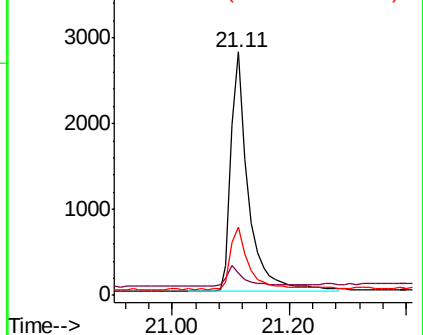
236 28.0 21.9 32.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#31

Terphenyl-d14

Concen: 0.389 ng

RT: 19.55 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BN011109.D

Acq: 07 Jul 2020 09:24

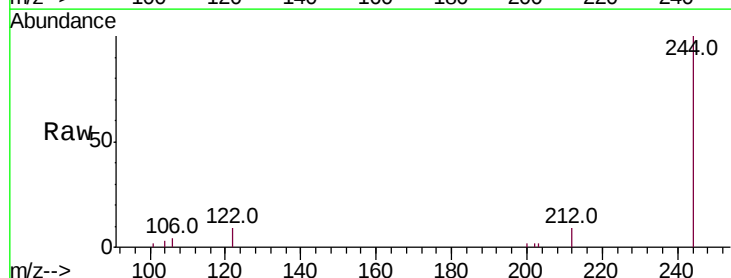
Tgt Ion:244 Resp: 5748

Ion Ratio Lower Upper

244 100

212 9.3 7.5 11.3

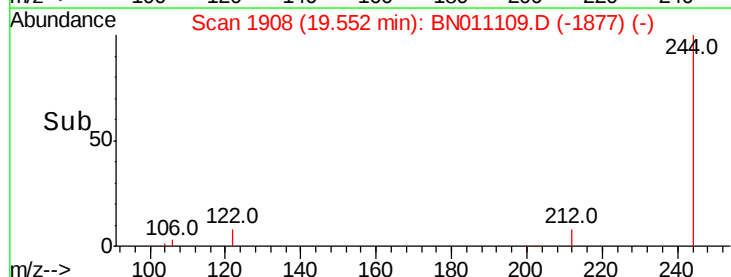
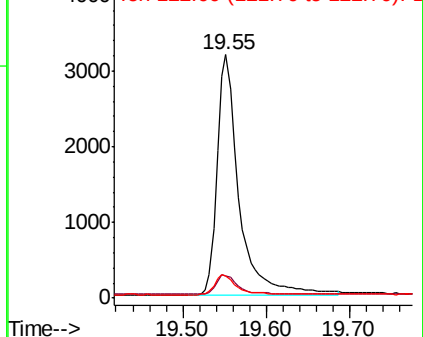
122 9.2 8.2 12.4

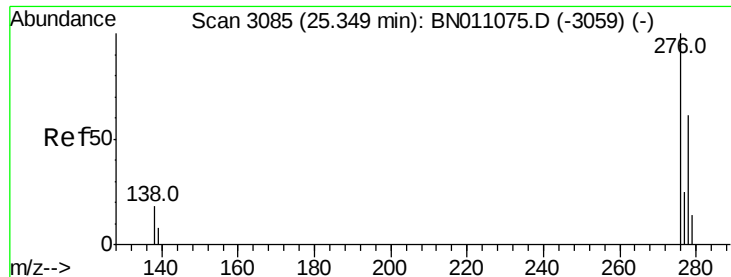


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 25.37 min Scan# 3092

Delta R.T. 0.04 min

Lab File: BN011109.D

Acq: 07 Jul 2020 09:24

Instrument :

BNA_N

ClientSampleId :

PB129931BL

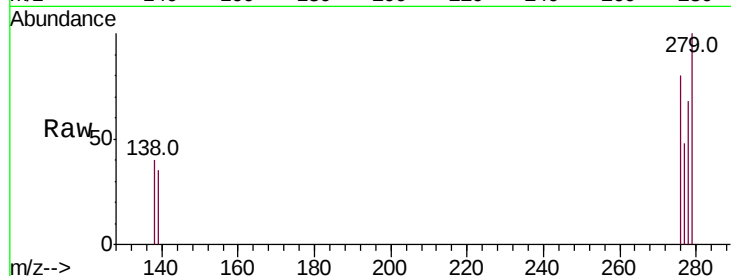
Tot Ion:276 Resp: 517

Ion Ratio Lower Upper

276 100

138 3.9 15.4 23.0#

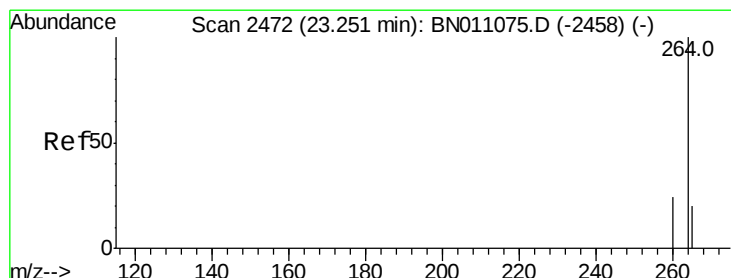
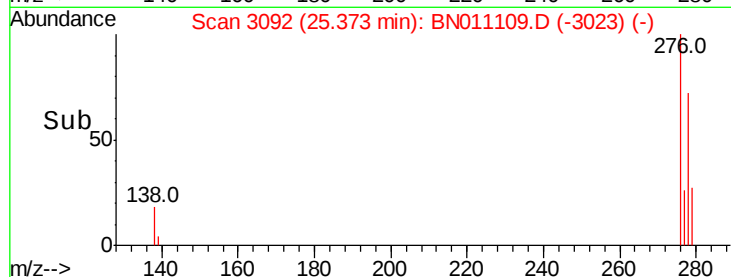
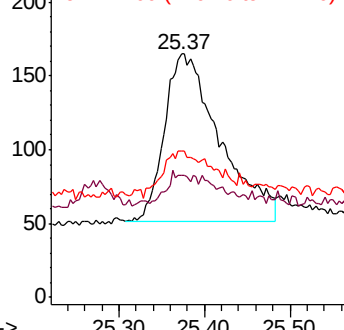
277 16.6 19.4 29.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BN011109.D

Acq: 07 Jul 2020 09:24

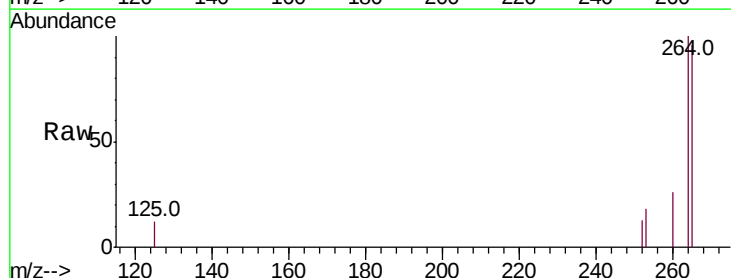
Tgt Ion:264 Resp: 5777

Ion Ratio Lower Upper

264 100

260 26.3 20.4 30.6

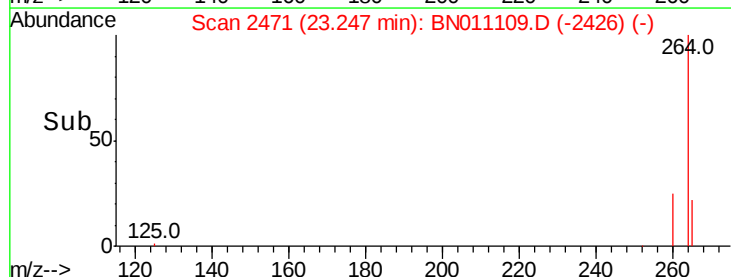
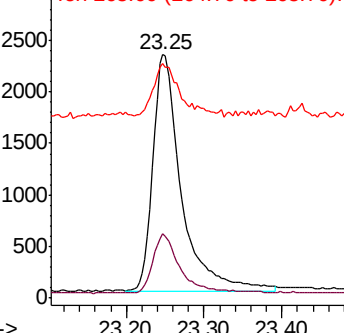
265 96.2 83.0 124.6

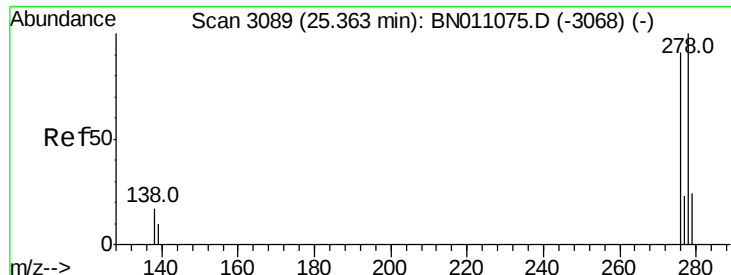


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#40

Dibenzo(a,h)anthracene

Concen: 0.027 ng

RT: 25.38 min Scan# 3095

Delta R.T. 0.03 min

Lab File: BN011109.D

Acq: 07 Jul 2020 09:24

Instrument :

BNA_N

ClientSampleId :

PB129931BL

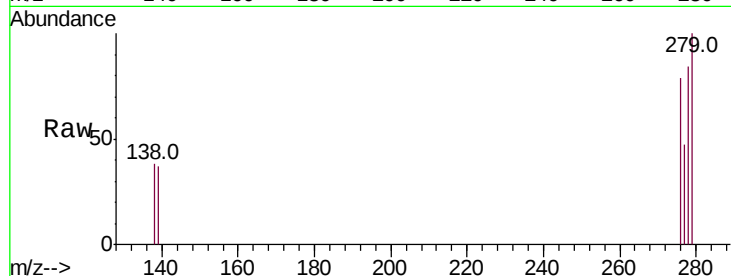
Tot Ion:278 Resp: 562

Ion Ratio Lower Upper

278 100

139 44.4 11.9 17.9#

279 119.3 25.5 38.3#



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

