

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030920\
 Data File : BN010154.D
 Acq On : 09 Mar 2020 20:31
 Operator : CG/JU
 Sample : L1842-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE108D2-20200304

Quant Time: Mar 09 22:12:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 19 15:57:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	657	0.40	ng	-0.03
7) Naphthalene-d8	10.16	136	2175	0.40	ng	-0.01
13) Acenaphthene-d10	14.01	164	1569	0.40	ng	-0.04
19) Phenanthrene-d10	16.79	188	3246	0.40	ng	-0.02
27) Chrysene-d12	21.00	240	3277	0.40	ng	-0.03
34) Perylene-d12	23.10	264	3288	0.40	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	290	0.20	ng	-0.02
5) Phenol-d6	6.71	99	58	0.03	ng	0.06
8) Nitrobenzene-d5	8.67	82	513	0.28	ng	0.08
11) 2-Methylnaphthalene-d10	11.76	152	1550	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	15.57	330	300	0.50	ng	-0.01
15) 2-Fluorobiphenyl	12.65	172	2376	0.40	ng	-0.03
25) Fluoranthene-d10	18.83	212	4165	0.37	ng	-0.03
29) Terphenyl-d14	19.43	244	4070	0.52	ng	-0.05

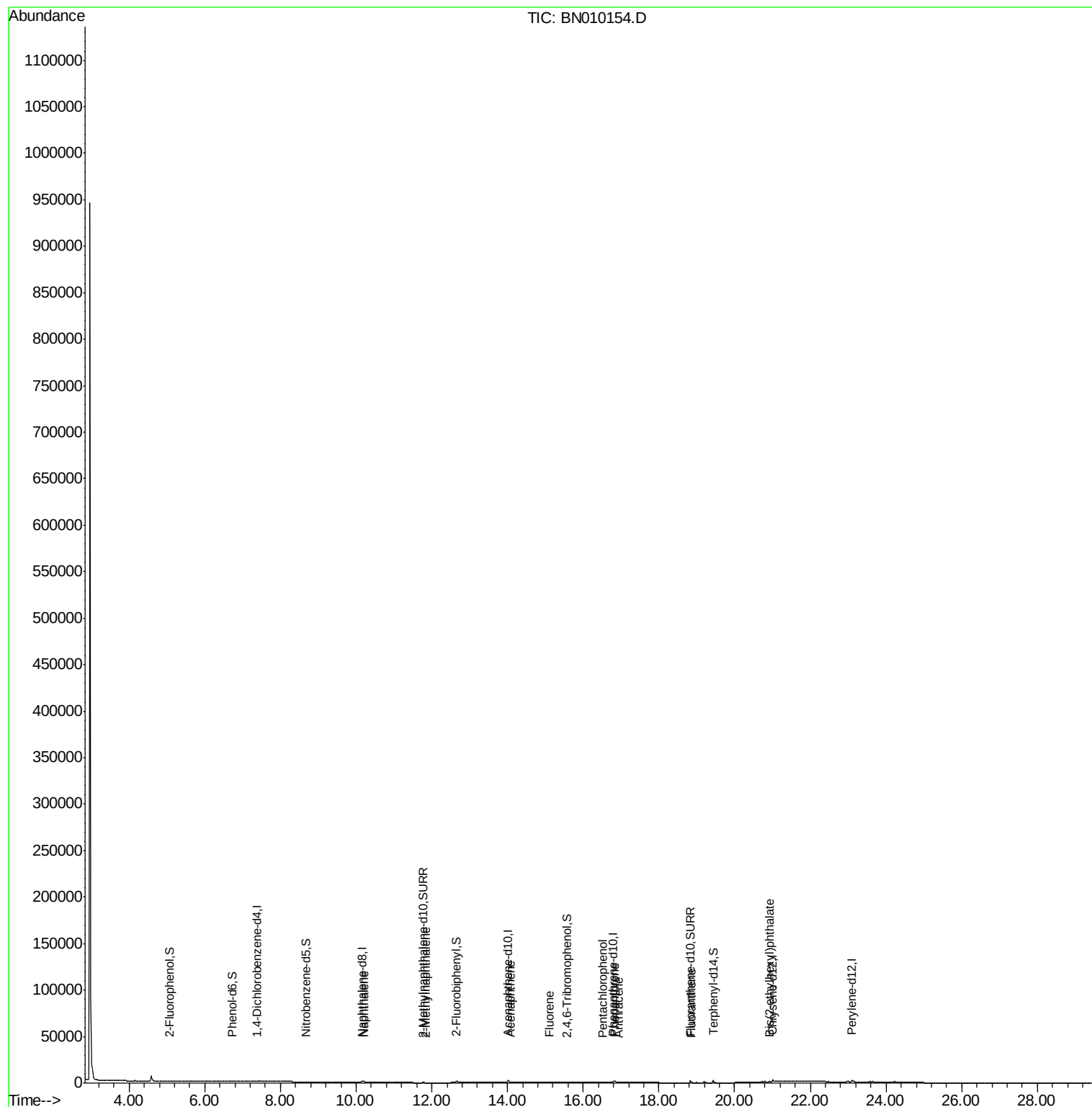
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.21	128	165	0.028	ng	# 1
12) 2-Methylnaphthalene	11.84	142	83	0.020	ng	# 62
17) Acenaphthene	14.08	154	223	0.047	ng	95
18) Fluorene	15.10	166	428	0.069	ng	95
20) 4-Bromophenyl-phenylether	16.04	248	146	Below Cal		# 77
22) Pentachlorophenol	16.52	266	5	0.186	ng	# 77
23) Phenanthrene	16.84	178	1233	0.128	ng	98
24) Anthracene	16.94	178	169	0.021	ng	98
26) Fluoranthene	18.86	202	234	0.020	ng	# 86
32) Bis(2-ethylhexyl)phthalate	20.92	149	462	0.087	ng	98

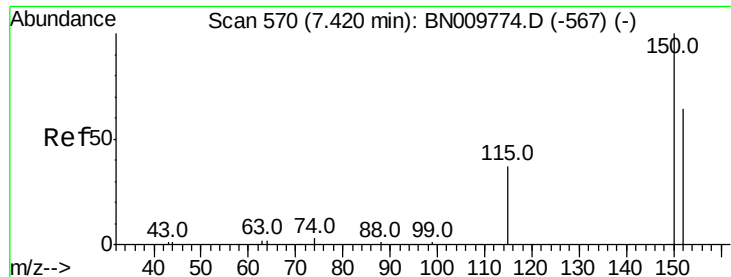
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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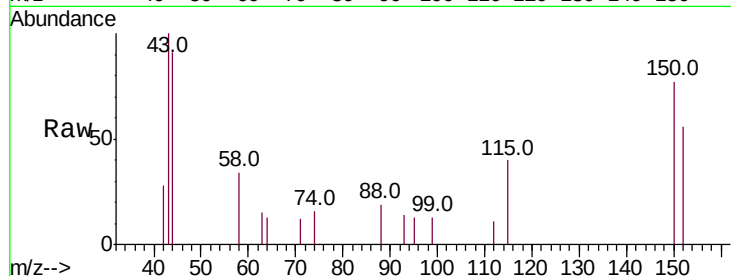


#1

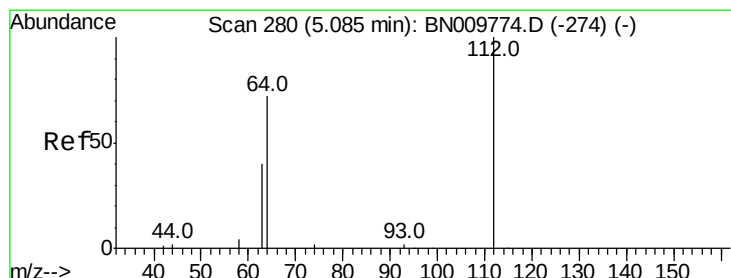
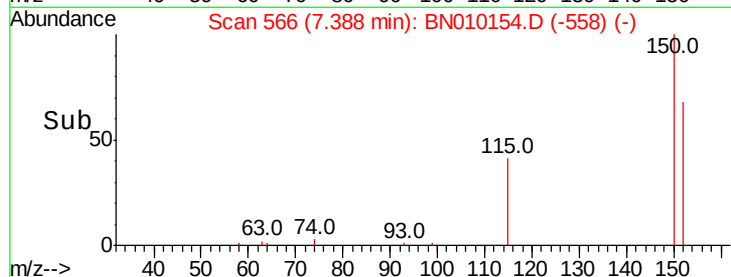
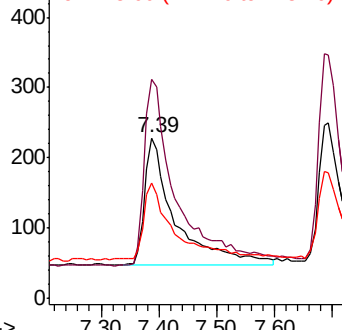
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 566
 Delta R.T. -0.03 min
 Lab File: BN010154.D
 Acq: 09 Mar 2020 20:31

Instrument :
 BNA_N
 ClientSampleId :
 RE108D2-20200304

Tot Ion:152 Resp: 657
 Ion Ratio Lower Upper
 152 100
 150 136.8 120.6 181.0
 115 71.9 51.2 76.8



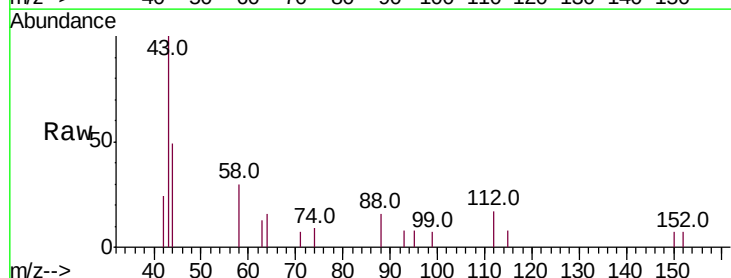
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



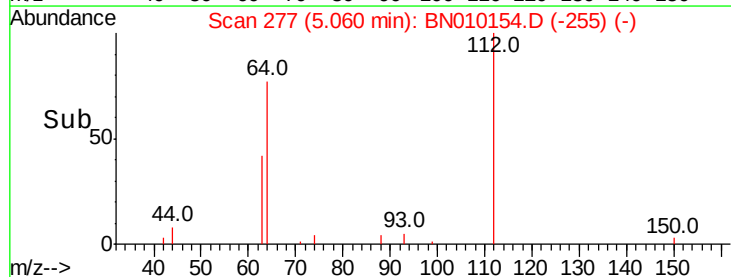
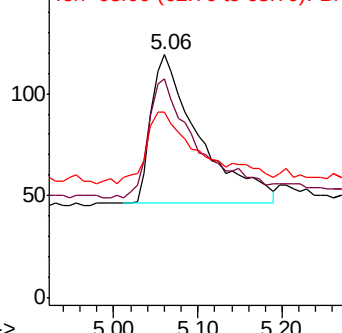
#4

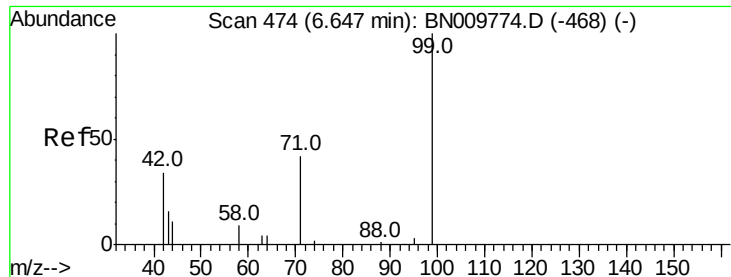
2-Fluorophenol
 Concen: 0.199 ng
 RT: 5.06 min Scan# 277
 Delta R.T. -0.02 min
 Lab File: BN010154.D
 Acq: 09 Mar 2020 20:31

Tgt Ion:112 Resp: 290
 Ion Ratio Lower Upper
 112 100
 64 82.8 65.8 98.6
 63 46.2 38.7 58.1



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: 0.033 ng

RT: 6.71 min Scan# 482

Delta R.T. 0.06 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Instrument :

BNA_N

ClientSampleId :

RE108D2-20200304

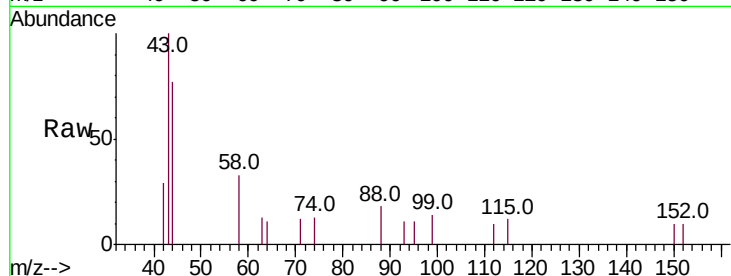
Tot Ion: 99 Resp: 58

Ion Ratio Lower Upper

99 100

42 31.0 30.8 46.2

71 48.3 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN009774.D (-468) (-)

Ion 42.00 (41.70 to 42.70): BN009774.D (-468) (-)

Ion 71.00 (70.70 to 71.70): BN009774.D (-468) (-)

Time-->

6.60 6.65 6.70 6.75

150

100

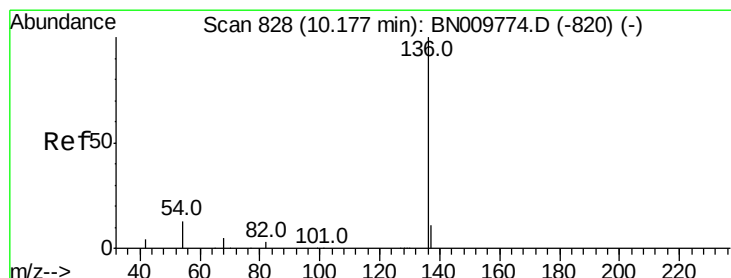
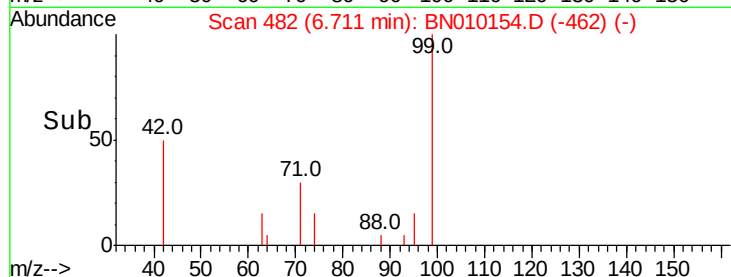
50

0

6.60 6.65 6.70 6.75

6.71

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.01 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Tgt Ion: 136 Resp: 2175

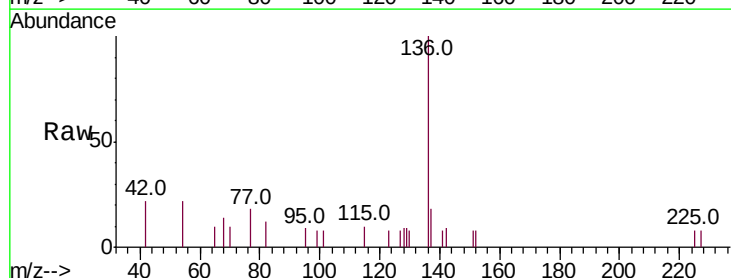
Ion Ratio Lower Upper

136 100

137 18.3 11.3 16.9#

54 22.2 13.4 20.2#

68 14.2 7.0 10.4#



Abundance Ion 136.00 (135.70 to 136.70): BN009774.D (-820) (-)

Ion 137.00 (136.70 to 137.70): BN009774.D (-820) (-)

Ion 54.00 (53.70 to 54.70): BN009774.D (-820) (-)

Ion 68.00 (67.70 to 68.70): BN009774.D (-820) (-)

Time-->

10.00 10.10 10.20 10.30

800

600

400

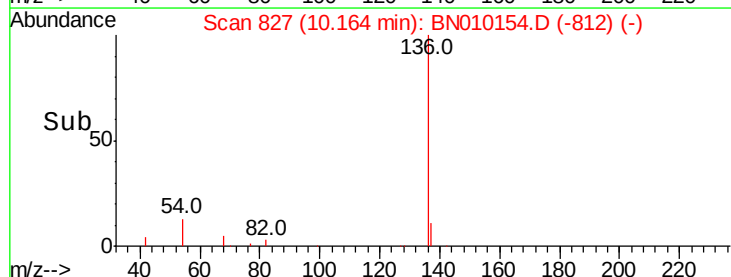
200

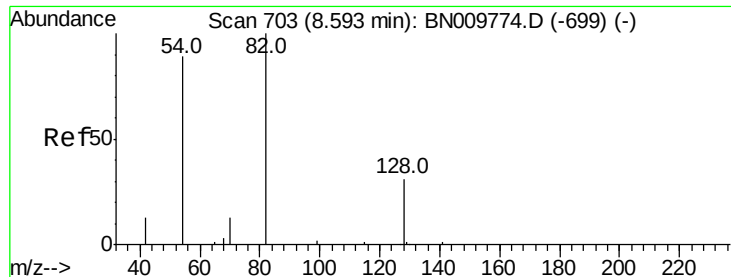
0

10.00 10.10 10.20 10.30

10.16

Time-->





#8

Nitrobenzene-d5

Concen: 0.283 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.08 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Instrument :

BNA_N

ClientSampleId :

RE108D2-20200304

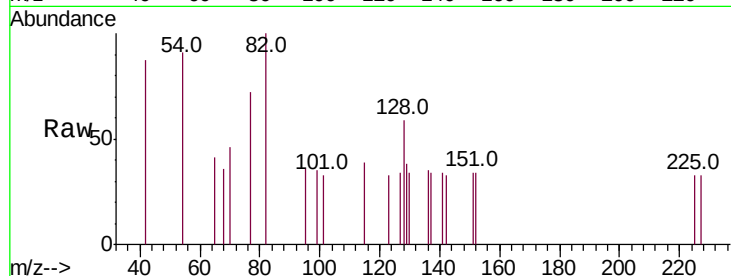
Tot Ion: 82 Resp: 513

Ion Ratio Lower Upper

82 100

128 58.7 32.5 48.7#

54 91.3 73.5 110.3



Abundance Ion 82.00 (81.70 to 82.70): BN009774.D (-699) (-)

Ion 128.00 (127.70 to 128.70): BN009774.D (-699) (-)

Ion 54.00 (53.70 to 54.70): BN009774.D (-699) (-)

8.67

150

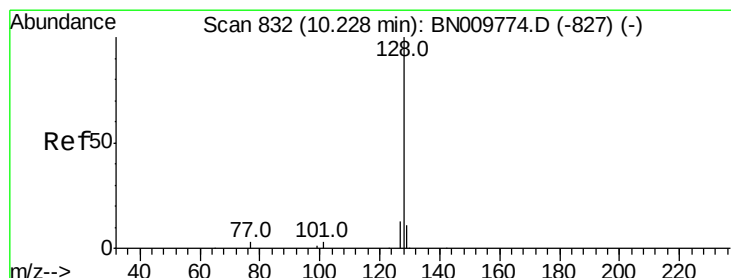
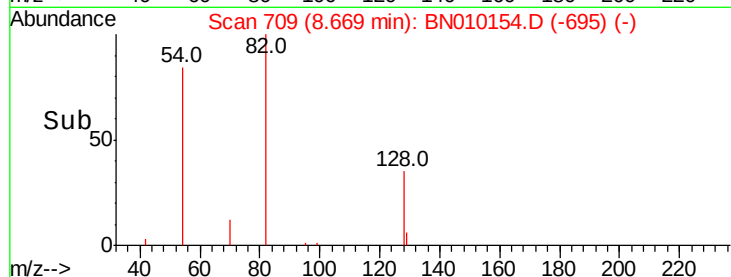
100

50

0

8.50 8.60 8.70 8.80

Time-->



#9

Naphthalene

Concen: 0.028 ng

RT: 10.21 min Scan# 831

Delta R.T. -0.01 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

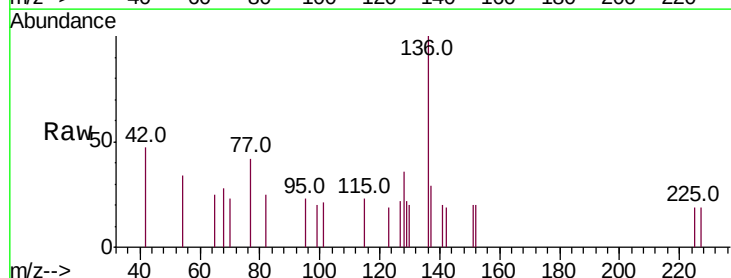
Tgt Ion: 128 Resp: 165

Ion Ratio Lower Upper

128 100

129 60.5 11.1 16.7#

127 60.5 12.6 19.0#



Abundance Ion 128.00 (127.70 to 128.70): BN009774.D (-827) (-)

Ion 129.00 (128.70 to 129.70): BN009774.D (-827) (-)

Ion 127.00 (126.70 to 127.70): BN009774.D (-827) (-)

10.21

100

80

60

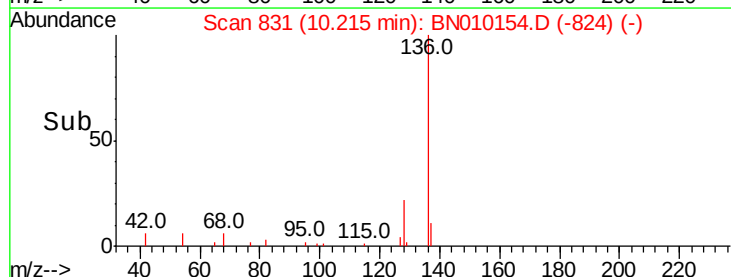
40

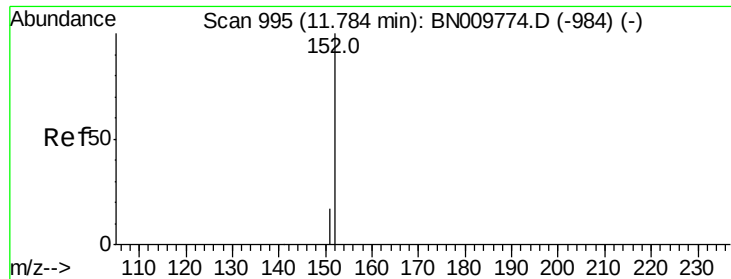
20

0

10.20 10.40

Time-->

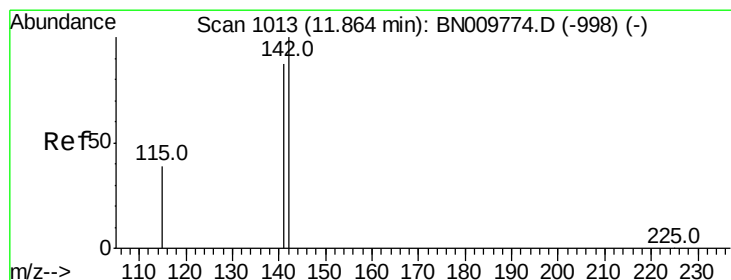
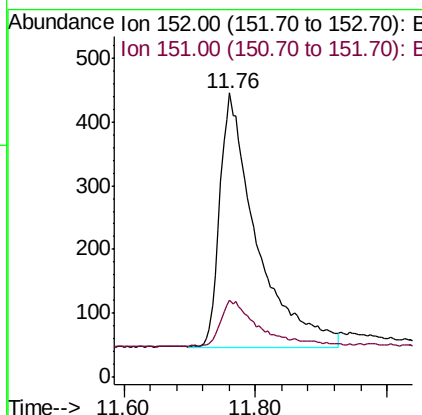
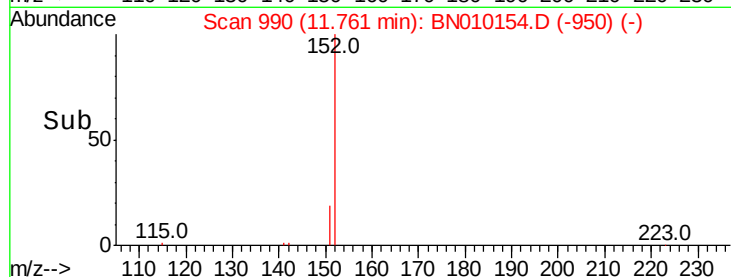
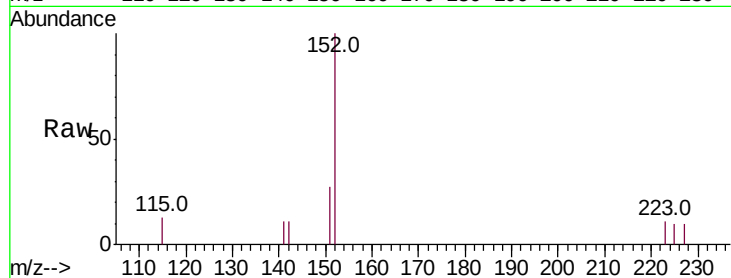




#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 11.76 min Scan# 990
Delta R.T. -0.02 min
Lab File: BN010154.D
Acq: 09 Mar 2020 20:31

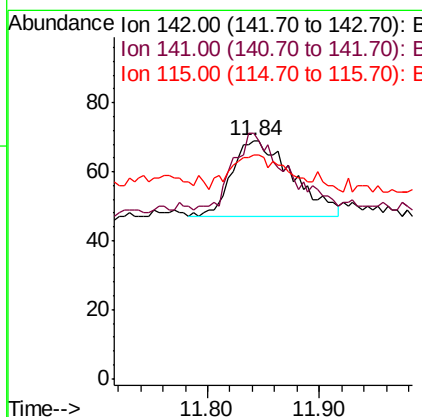
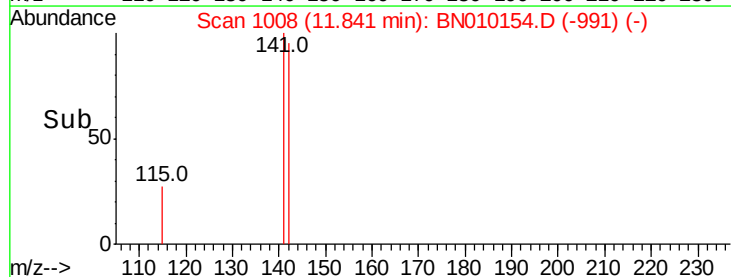
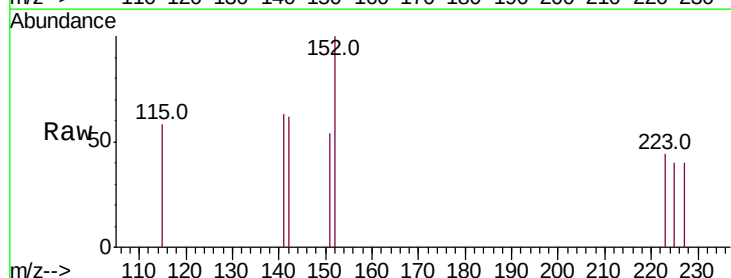
Instrument :
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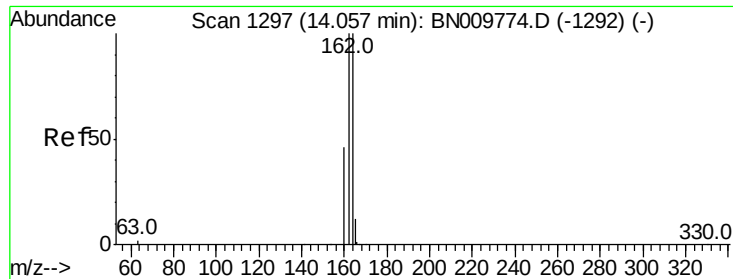
Tot Ion:152 Resp: 1550
Ion Ratio Lower Upper
152 100
151 17.1 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.020 ng
RT: 11.84 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BN010154.D
Acq: 09 Mar 2020 20:31

Tgt Ion:142 Resp: 83
Ion Ratio Lower Upper
142 100
141 102.9 69.8 104.6
115 94.2 34.6 52.0#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1293

Delta R.T. -0.04 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Instrument :

BNA_N

ClientSampleId :

RE108D2-20200304

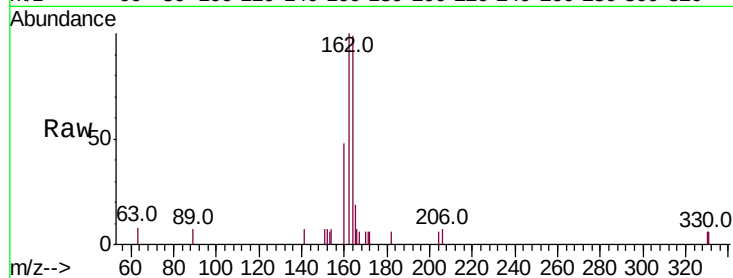
Tot Ion:164 Resp: 1569

Ion Ratio Lower Upper

164 100

162 100.8 79.9 119.9

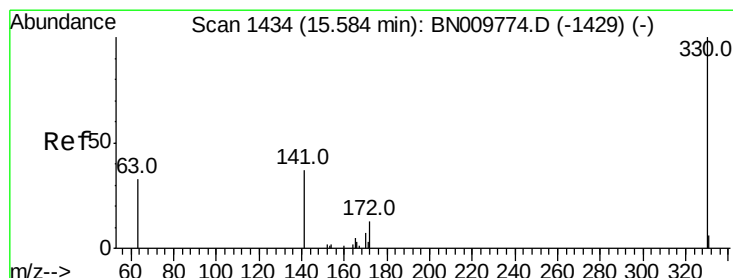
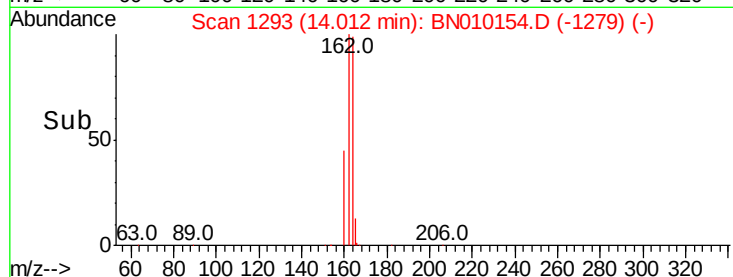
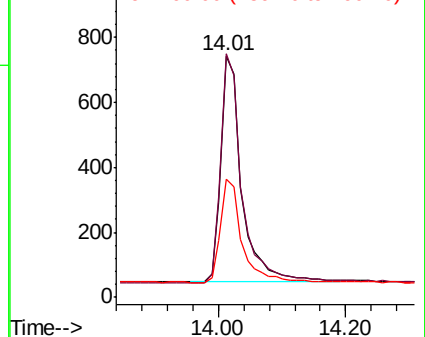
160 48.9 38.2 57.2



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: 0.496 ng

RT: 15.57 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

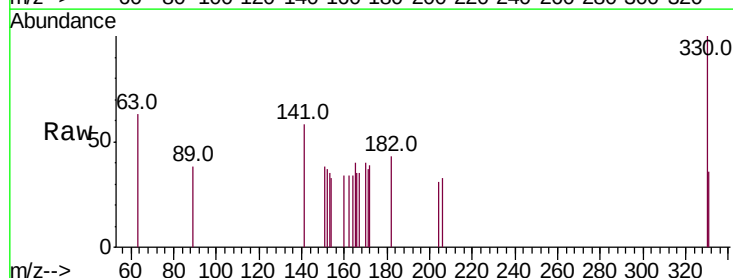
Tgt Ion:330 Resp: 300

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

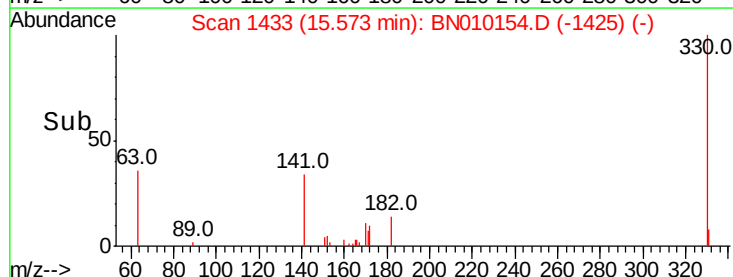
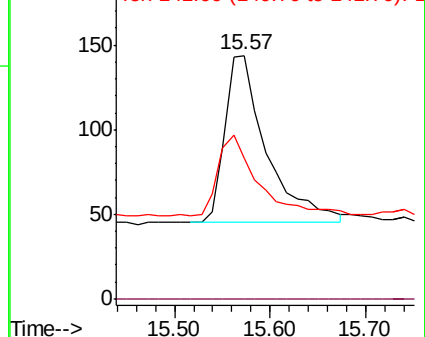
141 46.7 36.8 55.2

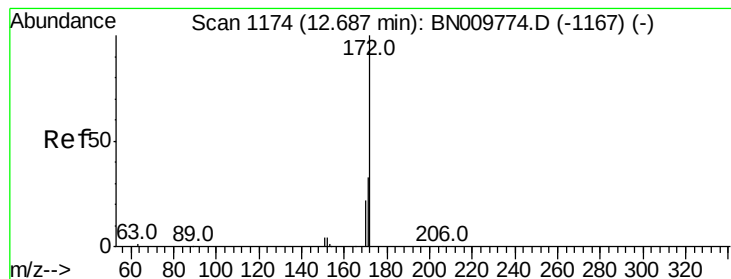


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

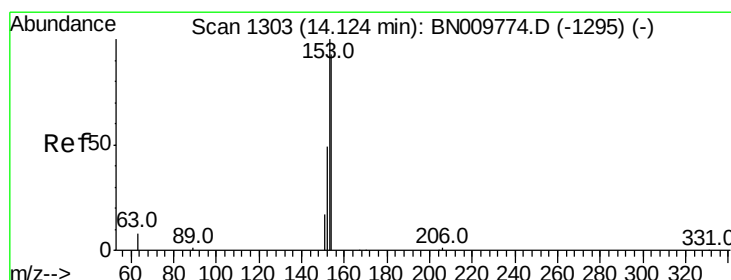
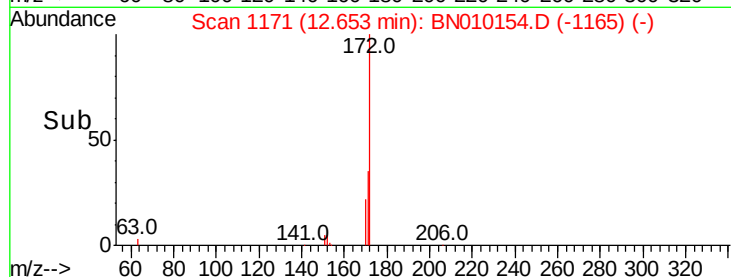
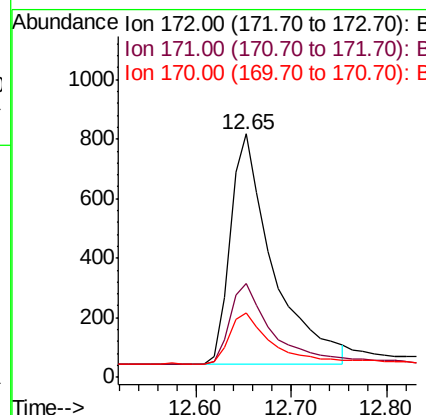
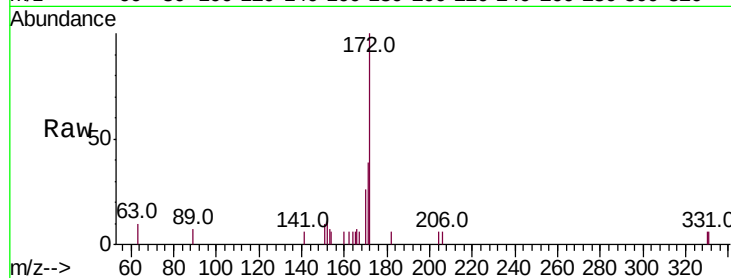




#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BN010154.D
Acq: 09 Mar 2020 20:31

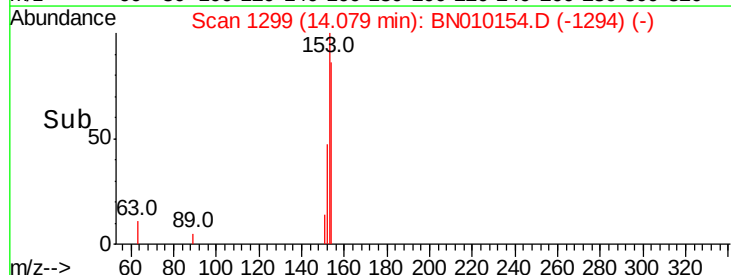
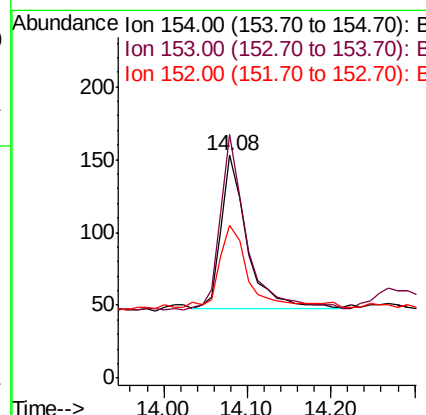
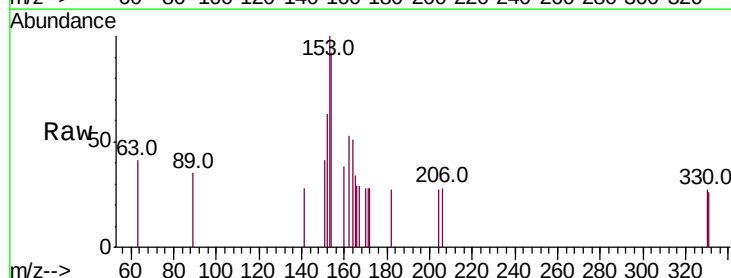
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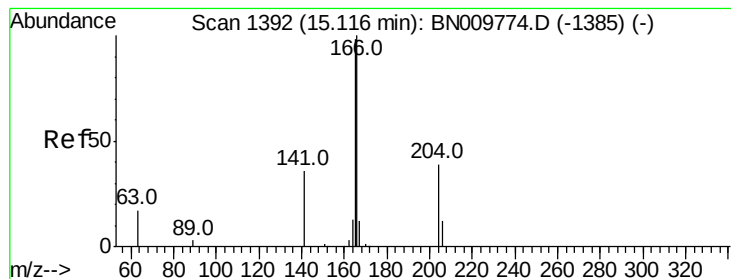
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	28.7	43.1
170	26.4	20.1	30.1



#17
Acenaphthene
Concen: 0.047 ng
RT: 14.08 min Scan# 1299
Delta R.T. -0.04 min
Lab File: BN010154.D
Acq: 09 Mar 2020 20:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.9	88.9	133.3
152	56.1	44.2	66.2





#18

Fluorene

Concen: 0.069 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Instrument :

BNA_N

ClientSampleId :

RE108D2-20200304

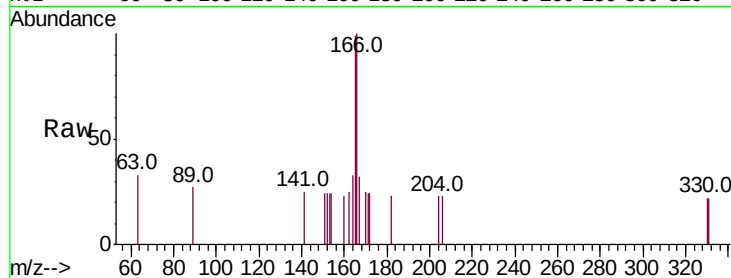
Tot Ion:166 Resp: 428

Ion Ratio Lower Upper

166 100

165 101.6 77.2 115.8

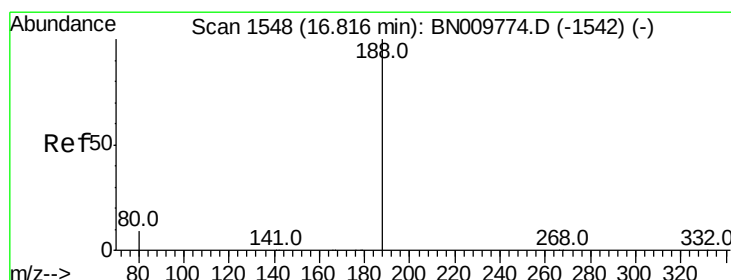
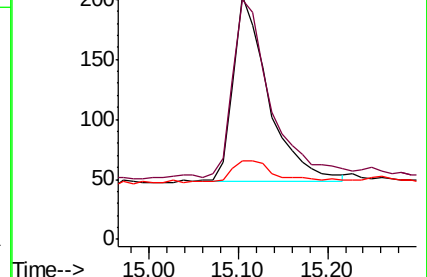
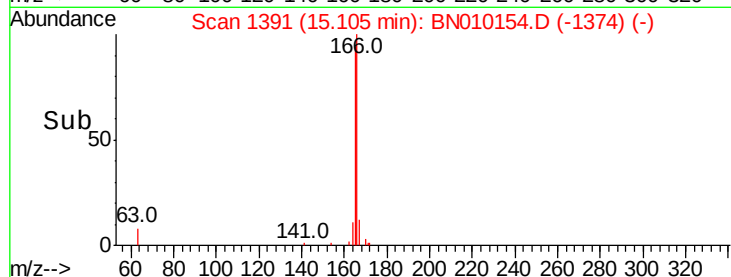
167 14.5 10.5 15.7



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: 16.79 min Scan# 1546

Delta R.T. -0.02 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

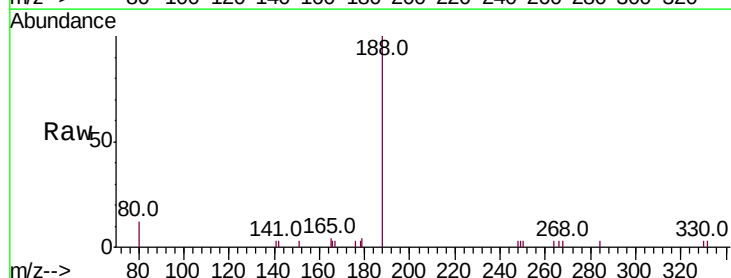
Tgt Ion:188 Resp: 3246

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

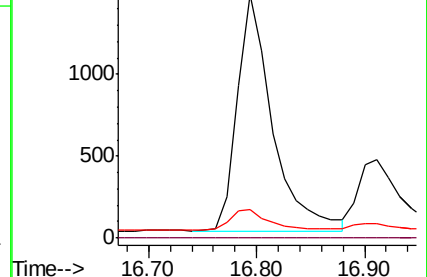
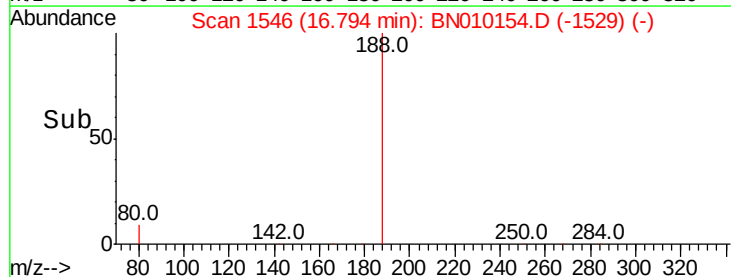
80 12.0 8.3 12.5

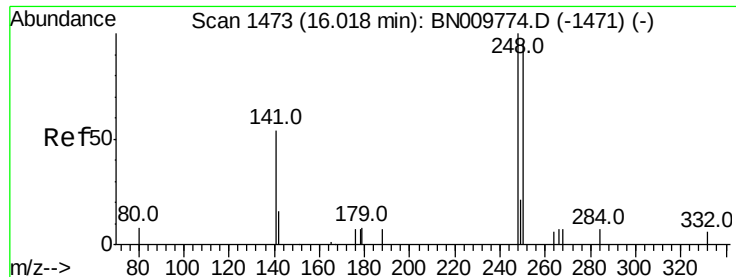


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.04 min Scan# 1475

Delta R.T. 0.02 min

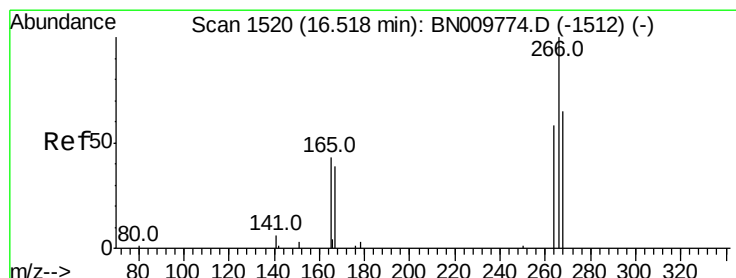
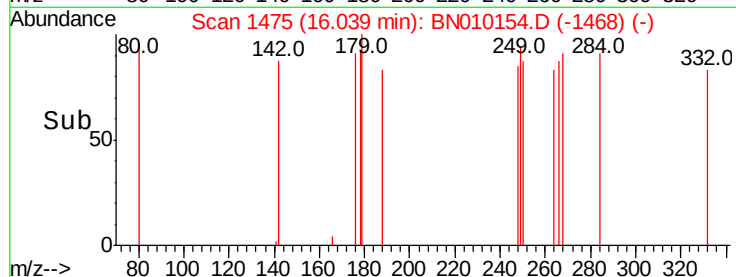
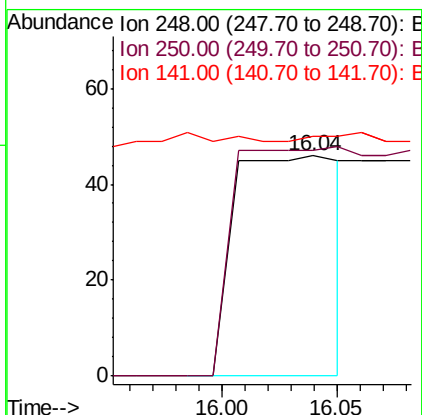
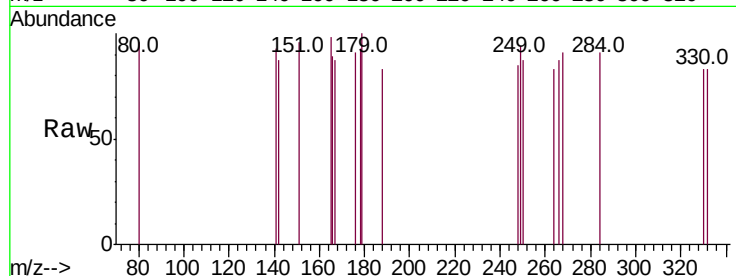
Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Instrument :
BNA_N
ClientSampleId :
RE108D2-20200304

Tot Ion:248 Resp: 146

Ion	Ratio	Lower	Upper
248	100		
250	102.2	76.2	114.4
141	108.7	57.8	86.6#



#22

Pentachlorophenol

Concen: 0.186 ng

RT: 16.52 min Scan# 1520

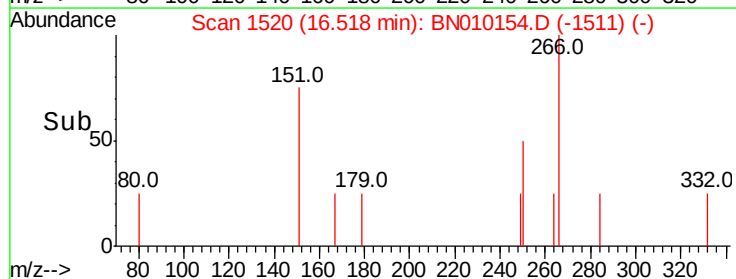
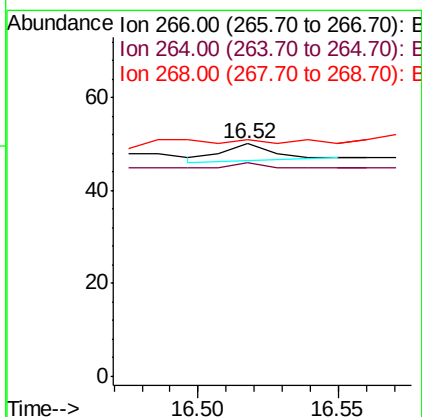
Delta R.T. -0.00 min

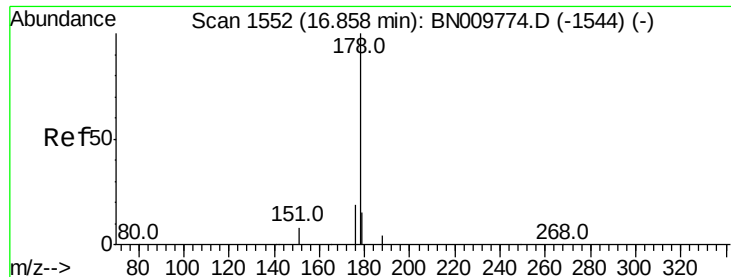
Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Tgt Ion:266 Resp: 5

Ion	Ratio	Lower	Upper
266	100		
264	92.0	58.1	87.1#
268	102.0	65.7	98.5#





#23

Phenanthrene

Concen: 0.128 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Instrument :

BNA_N

ClientSampleId :

RE108D2-20200304

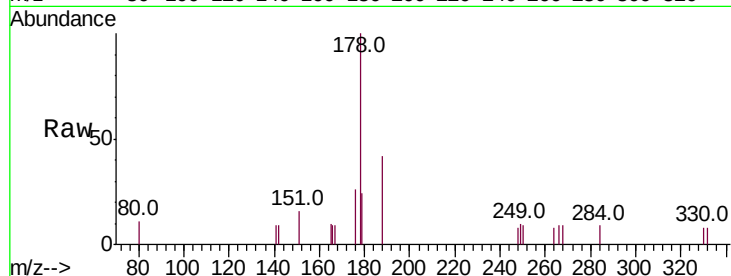
Tot Ion:178 Resp: 1233

Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

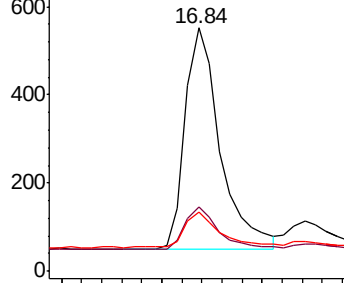
179 16.4 12.4 18.6



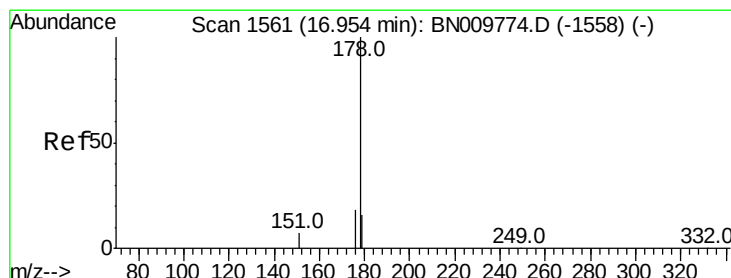
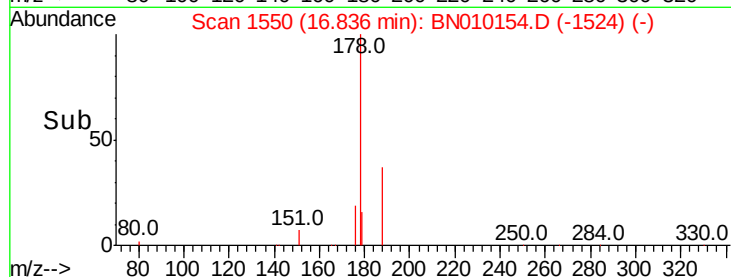
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.021 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

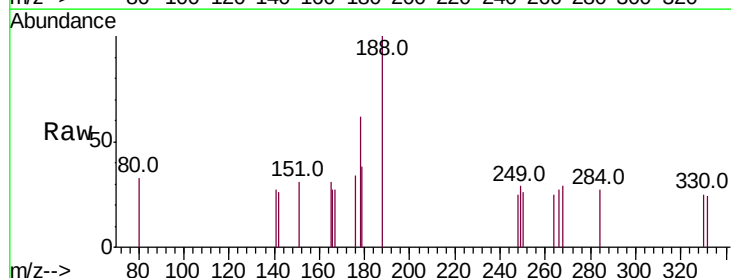
Tgt Ion:178 Resp: 169

Ion Ratio Lower Upper

178 100

176 16.0 14.3 21.5

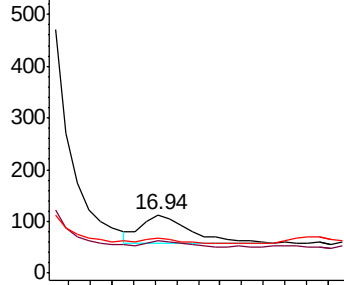
179 15.4 12.4 18.6



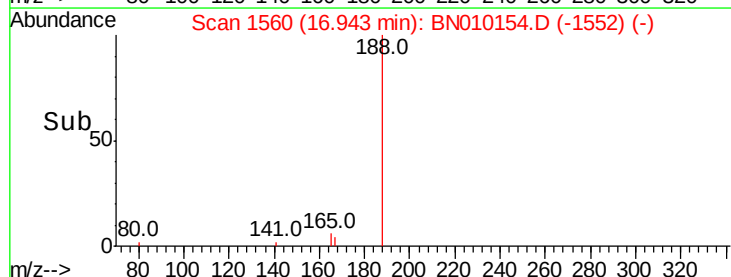
Abundance Ion 178.00 (177.70 to 178.70): E

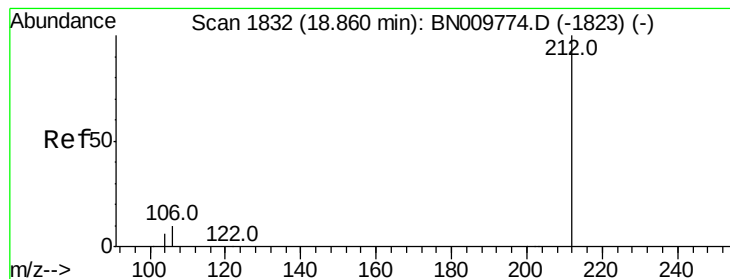
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.371 ng

RT: 18.83 min Scan# 1826

Delta R.T. -0.03 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Instrument :

BNA_N

ClientSampleId :

RE108D2-20200304

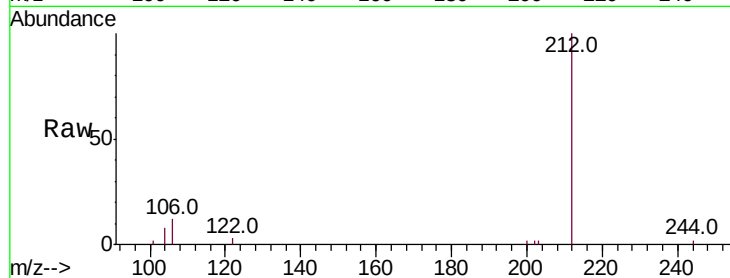
Tot Ion:212 Resp: 4165

Ion Ratio Lower Upper

212 100

106 10.4 8.4 12.6

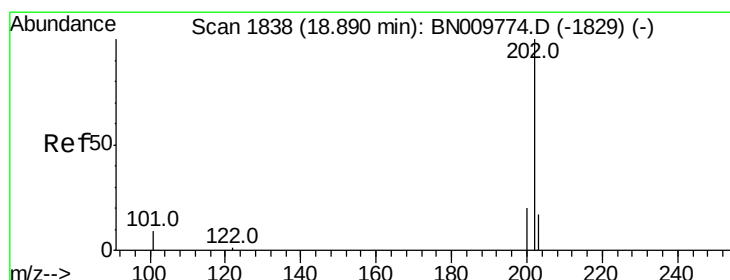
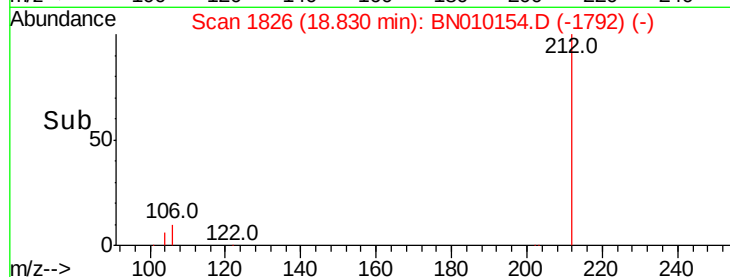
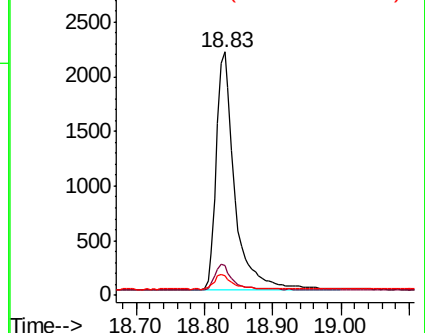
104 6.1 4.8 7.2



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: 0.020 ng

RT: 18.86 min Scan# 1832

Delta R.T. -0.03 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

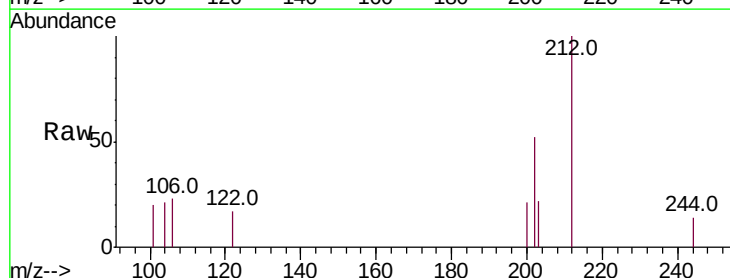
Tgt Ion:202 Resp: 234

Ion Ratio Lower Upper

202 100

101 18.8 7.1 10.7#

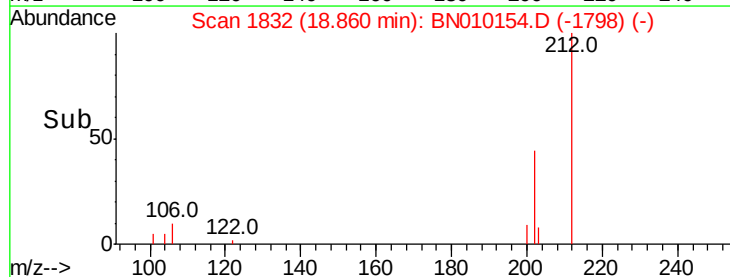
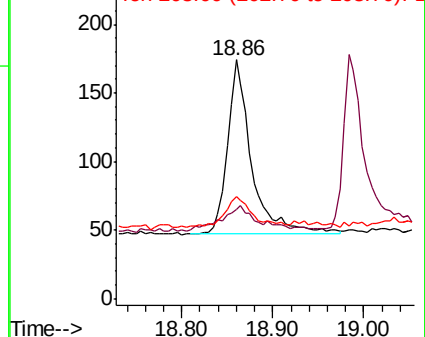
203 20.5 13.8 20.6

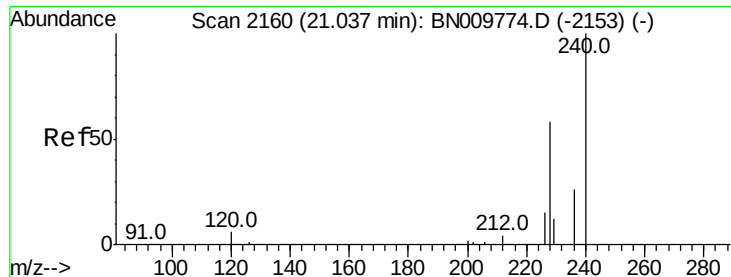


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.00 min Scan# 2157

Delta R.T. -0.03 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Instrument :

BNA_N

ClientSampleId :

RE108D2-20200304

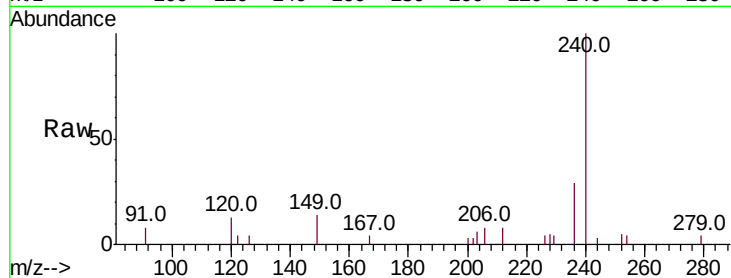
Tot Ion:240 Resp: 3277

Ion Ratio Lower Upper

240 100

120 13.4 7.9 11.9#

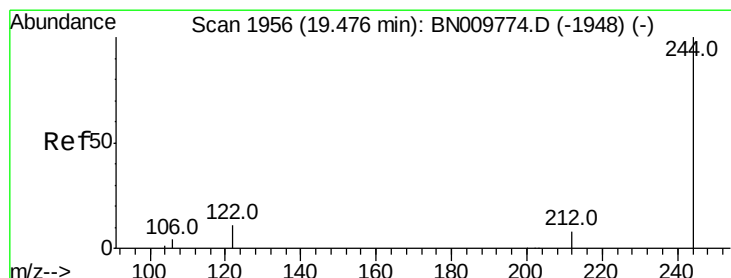
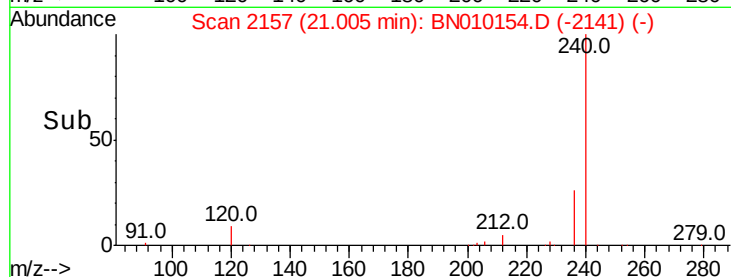
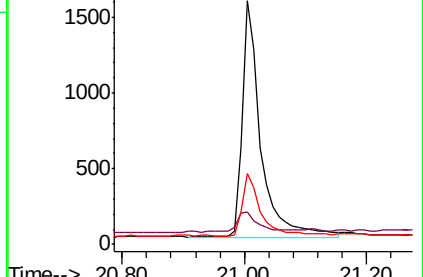
236 29.0 22.0 33.0



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: 0.520 ng

RT: 19.43 min Scan# 1947

Delta R.T. -0.05 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

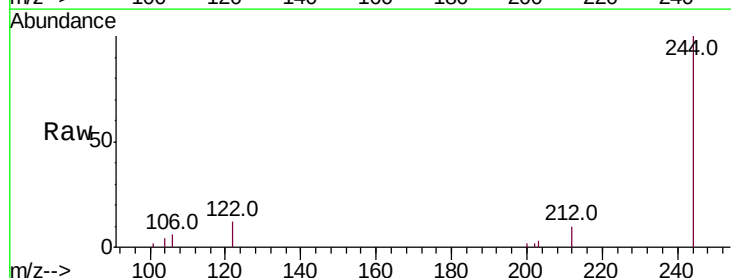
Tgt Ion:244 Resp: 4070

Ion Ratio Lower Upper

244 100

212 10.5 8.0 12.0

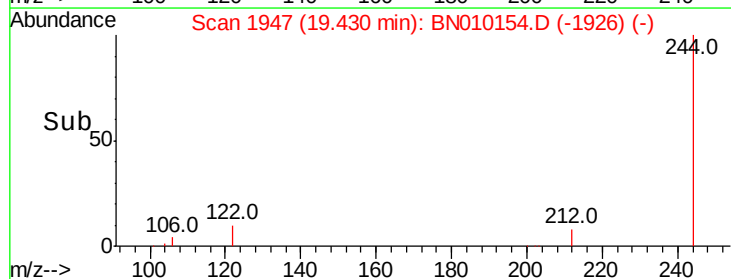
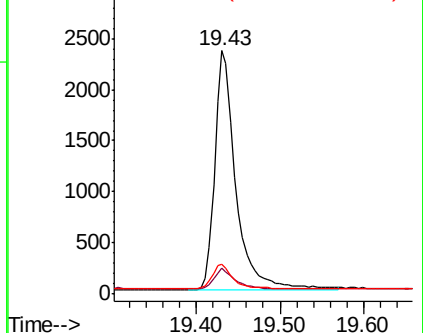
122 12.4 10.0 15.0

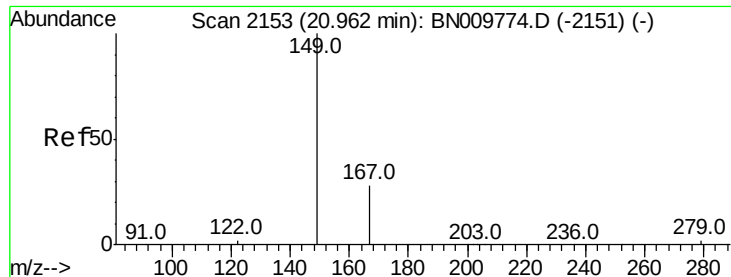


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.087 ng

RT: 20.92 min Scan# 2149

Delta R.T. -0.04 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

Instrument :

BNA_N

ClientSampleId :

RE108D2-20200304

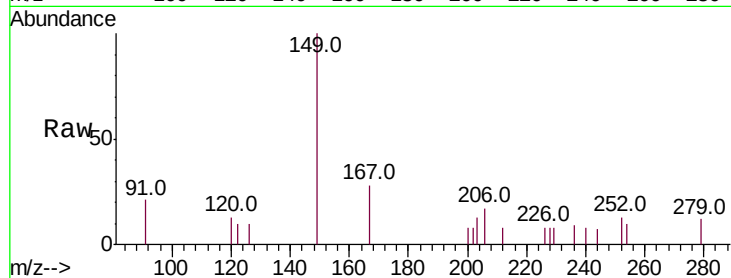
Tot Ion:149 Resp: 462

Ion Ratio Lower Upper

149 100

167 27.5 22.7 34.1

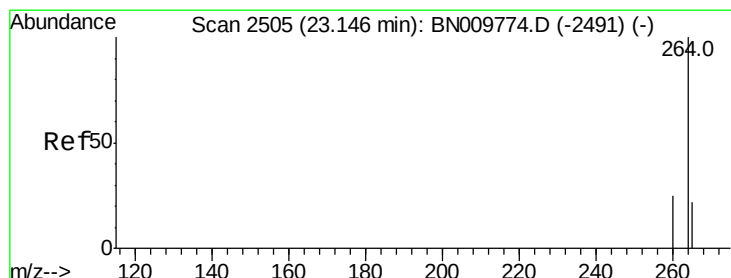
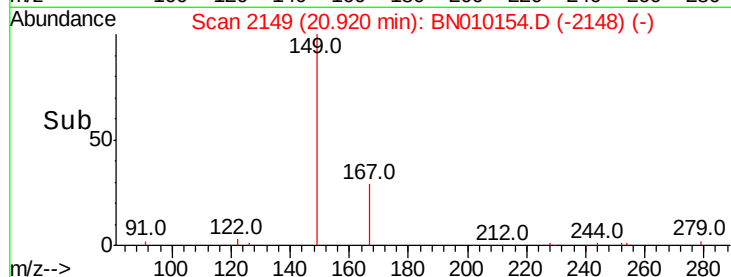
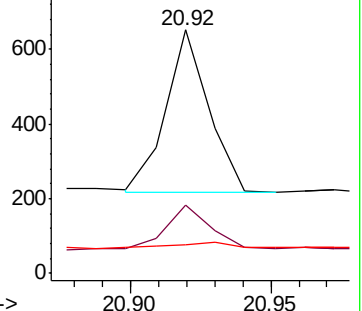
279 4.3 3.1 4.7



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.10 min Scan# 2492

Delta R.T. -0.04 min

Lab File: BN010154.D

Acq: 09 Mar 2020 20:31

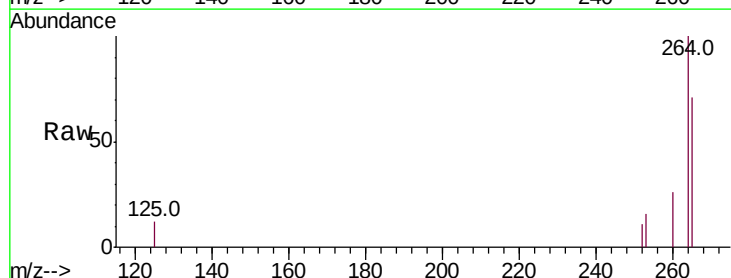
Tgt Ion:264 Resp: 3288

Ion Ratio Lower Upper

264 100

260 26.0 21.1 31.7

265 71.4 57.5 86.3



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

