

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
 Data File : BN007901.D
 Acq On : 30 Sep 2019 17:41
 Operator : JU
 Sample : K5052-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TP-1-5

Quant Time: Oct 01 07:23:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	9209	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	35960	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	20501	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	38399	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	39522	0.40	ng	-0.01
34) Perylene-d12	23.47	264	46632	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	3788	0.12	ng	0.00
5) Phenol-d6	6.86	99	3612	0.09	ng	0.00
8) Nitrobenzene-d5	8.83	82	7322	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	12307	0.20	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	2953	0.26	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	21219	0.25	ng	-0.01
25) Fluoranthene-d10	19.09	212	25938	0.20	ng	-0.01
29) Terphenyl-d14	19.70	244	38509	0.40	ng	-0.01

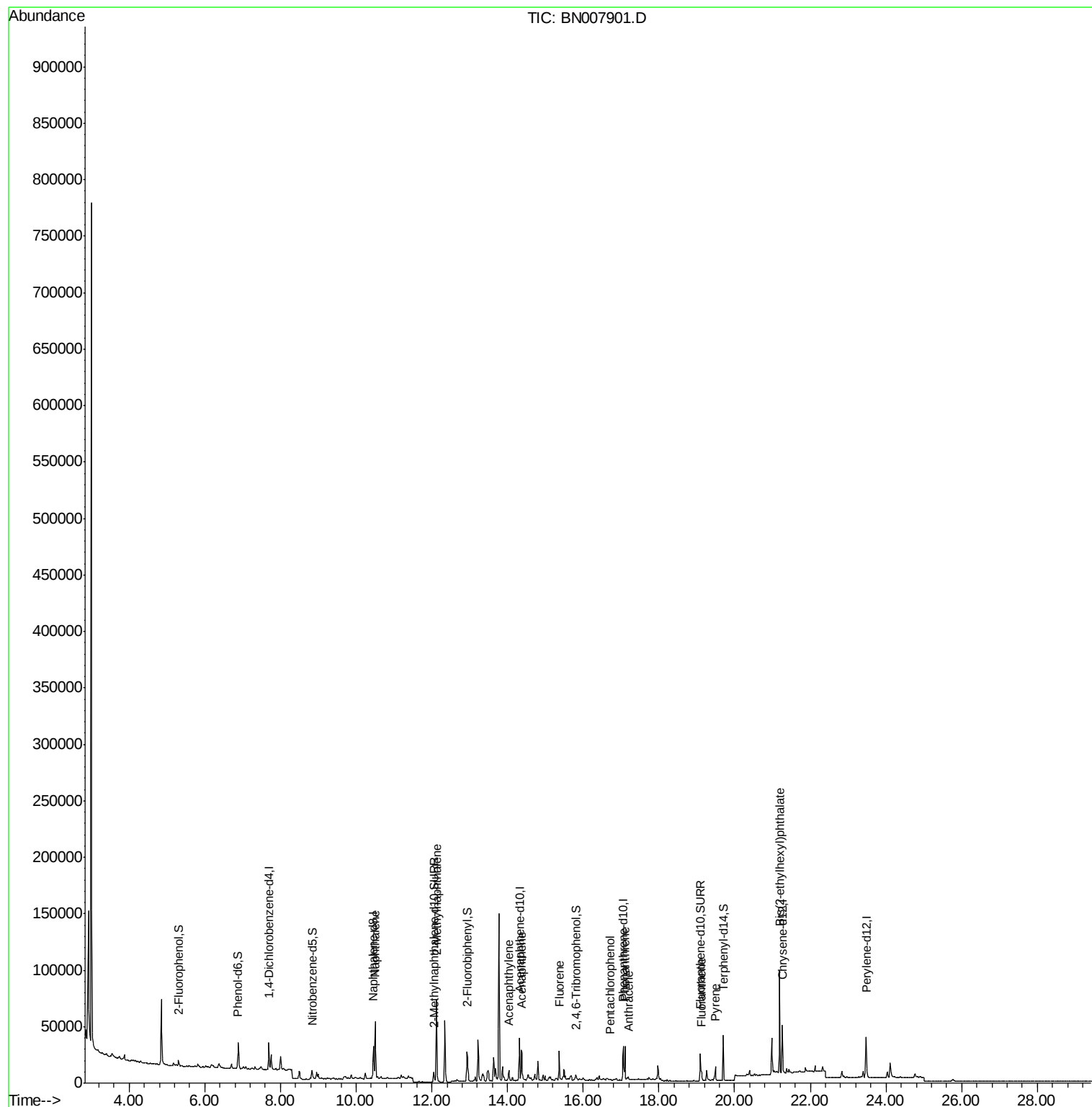
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.51	128	61412	0.609	ng	100
12) 2-Methylnaphthalene	12.13	142	52325	0.767	ng	100
16) Acenaphthylene	14.04	152	4389	0.040	ng	# 28
17) Acenaphthene	14.38	154	14222	0.203	ng	95
18) Fluorene	15.36	166	15374	0.171	ng	98
22) Pentachlorophenol	16.72	266	314	0.033	ng	89
23) Phenanthrene	17.10	178	32674	0.273	ng	99
24) Anthracene	17.19	178	3060	0.028	ng	# 92
26) Fluoranthene	19.12	202	6696	0.045	ng	# 86
28) Pyrene	19.49	202	11514	0.085	ng	96
32) Bis(2-ethylhexyl)phthalate	21.19	149	76743	1.025	ng	99

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

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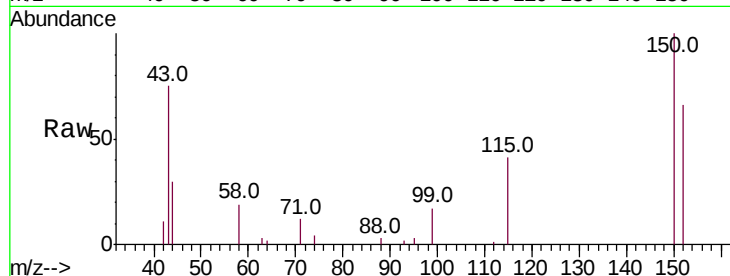


#1

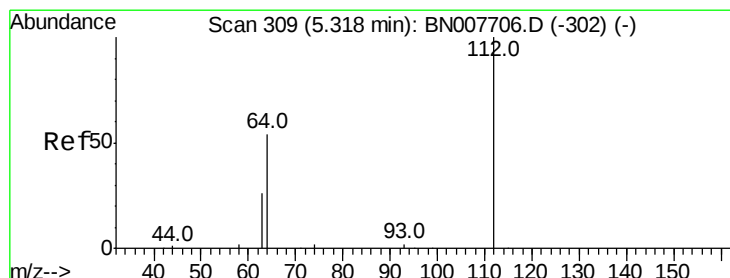
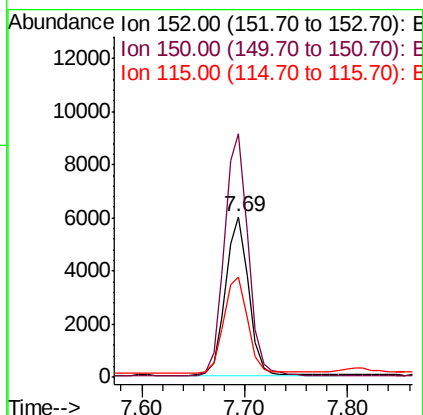
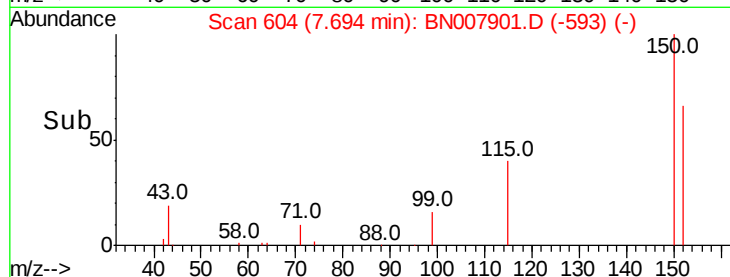
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007901.D
Acq: 30 Sep 2019 17:41

Instrument :
BNA_N
ClientSampleId :
TP-1-5

Tot Ion:152 Resp: 9209
Ion Ratio Lower Upper
152 100
150 151.5 125.6 188.4
115 62.6 53.3 79.9



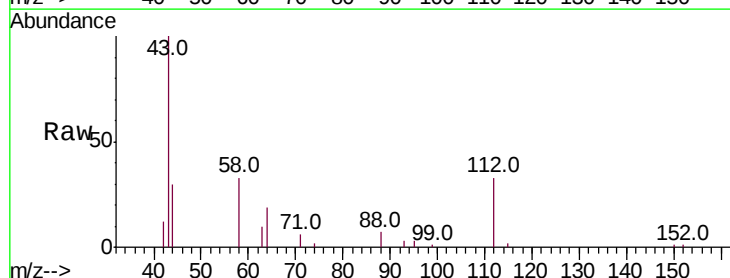
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



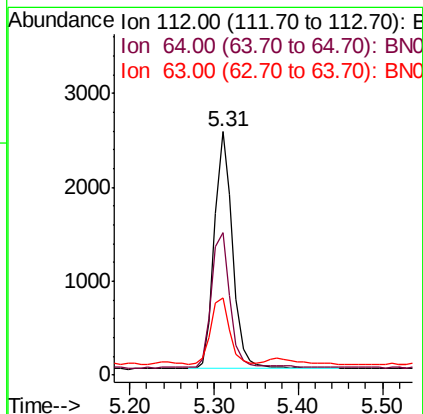
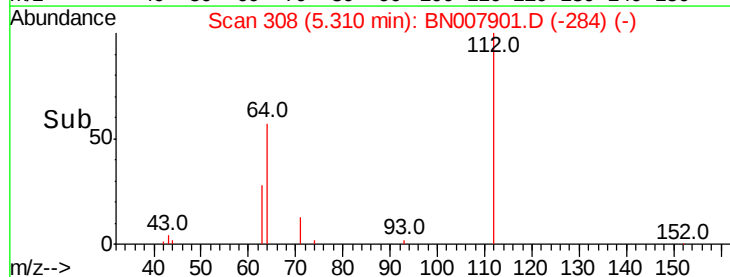
#4

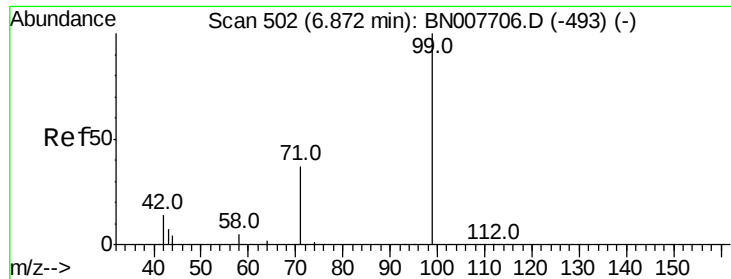
2-Fluorophenol
Concen: 0.120 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007901.D
Acq: 30 Sep 2019 17:41

Tgt Ion:112 Resp: 3788
Ion Ratio Lower Upper
112 100
64 58.5 46.6 70.0
63 28.9 23.1 34.7



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: 0.086 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampleID :

TP-1-5

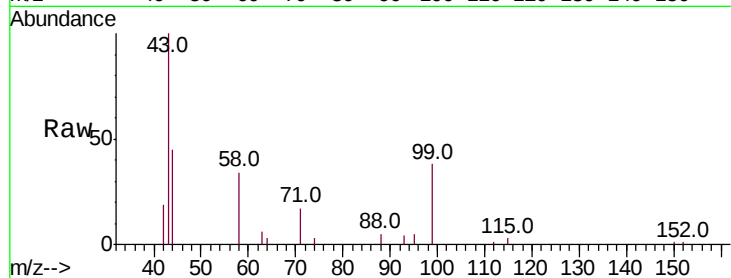
Tot Ion: 99 Resp: 3612

Ion Ratio Lower Upper

99 100

42 0.0 12.8 19.2#

71 50.3 27.6 41.4#

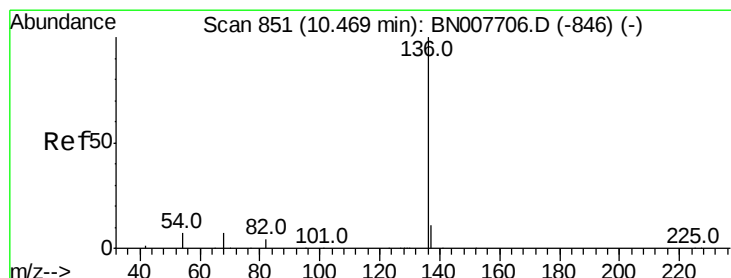
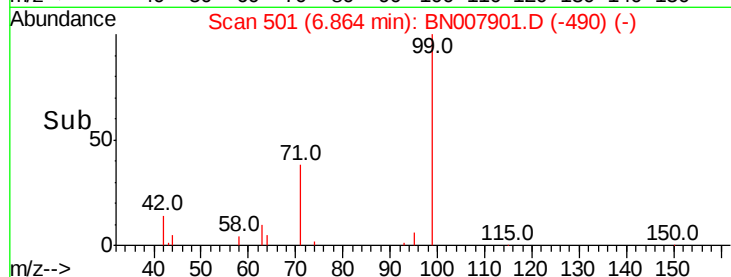


Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Tgt Ion: 136 Resp: 35960

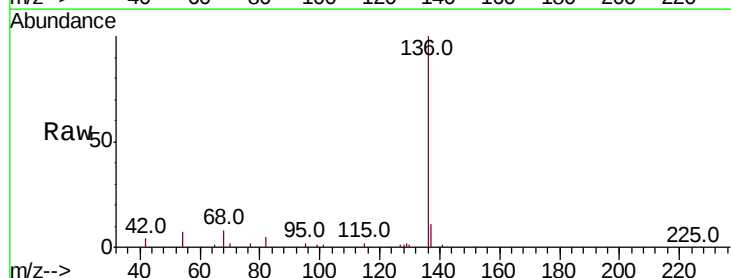
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 7.2 5.8 8.8

68 7.8 6.5 9.7



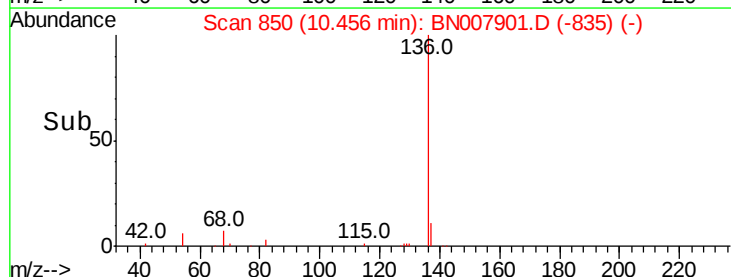
Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

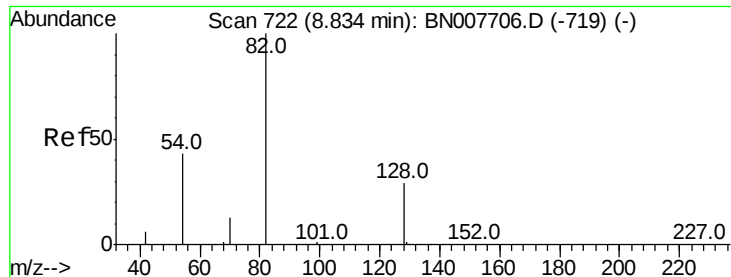
Ion 137.00 (136.70 to 137.70): BN007706.D (-846) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-846) (-)

Ion 68.00 (67.70 to 68.70): BN007706.D (-846) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.233 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampled :

TP-1-5

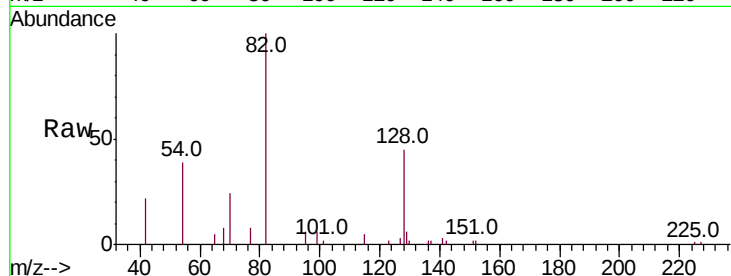
Tot Ion: 82 Resp: 7322

Ion Ratio Lower Upper

82 100

128 44.6 24.5 36.7#

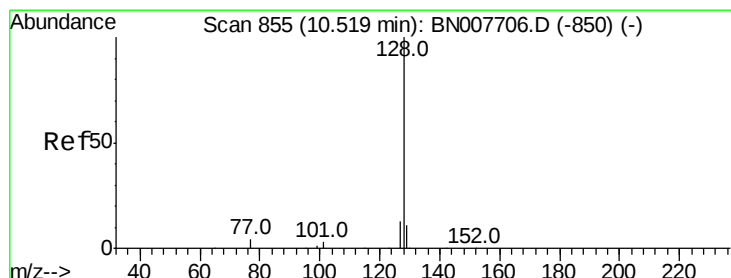
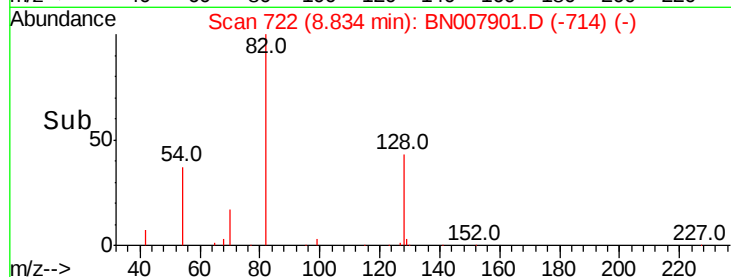
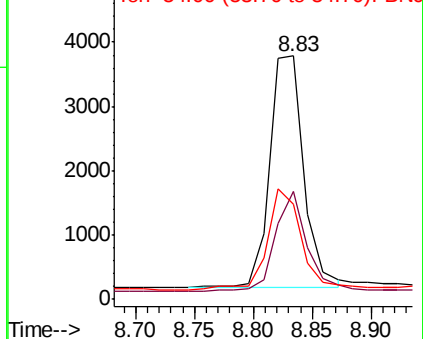
54 39.0 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)



#9

Naphthalene

Concen: 0.609 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

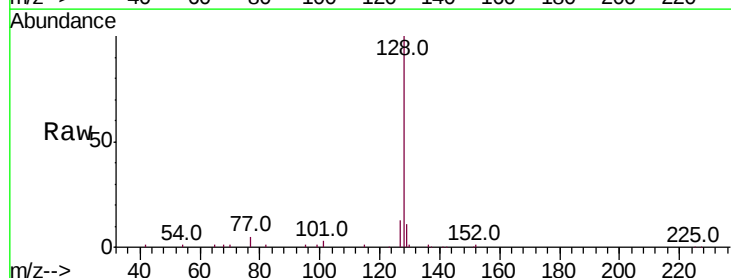
Tgt Ion: 128 Resp: 61412

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

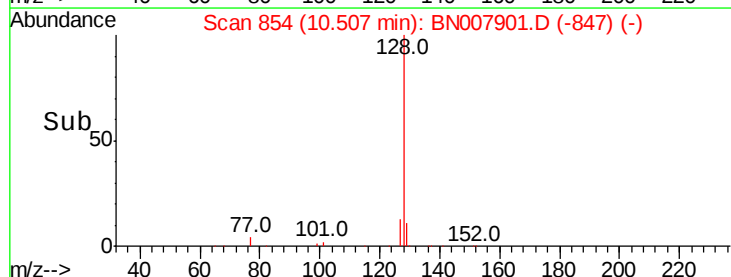
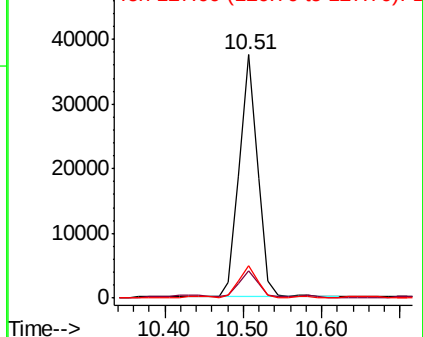
127 13.1 10.6 15.8

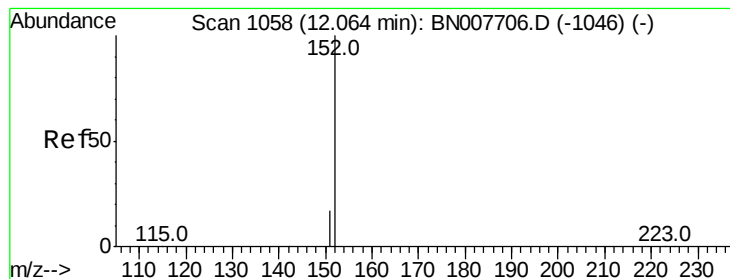


Abundance Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)

Ion 129.00 (128.70 to 129.70): BN007706.D (-850) (-)

Ion 127.00 (126.70 to 127.70): BN007706.D (-850) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.203 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampleId :

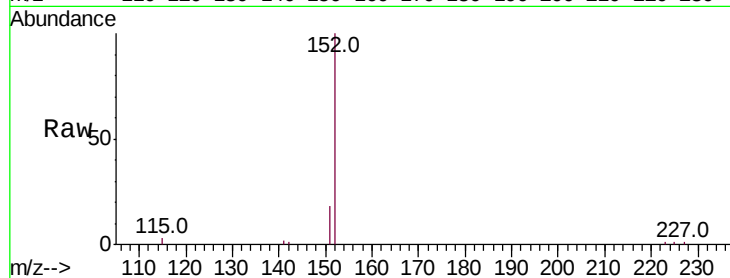
TP-1-5

Tot Ion:152 Resp: 12307

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

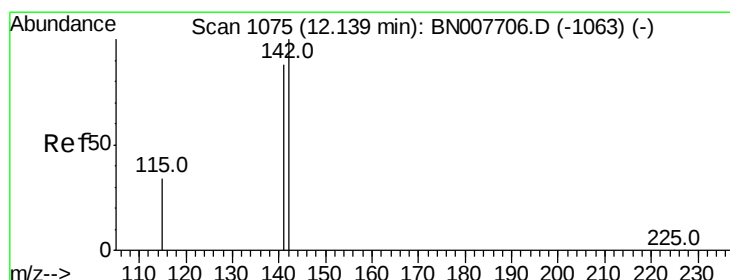
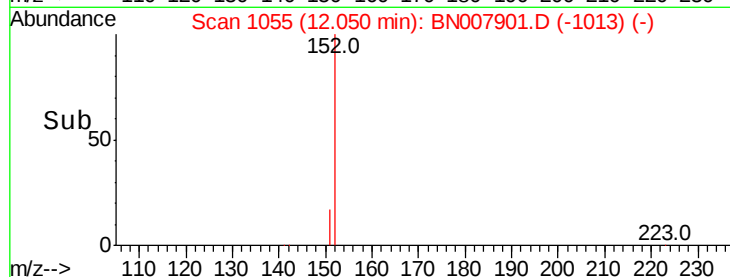
6000

4000

2000

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.767 ng

RT: 12.13 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

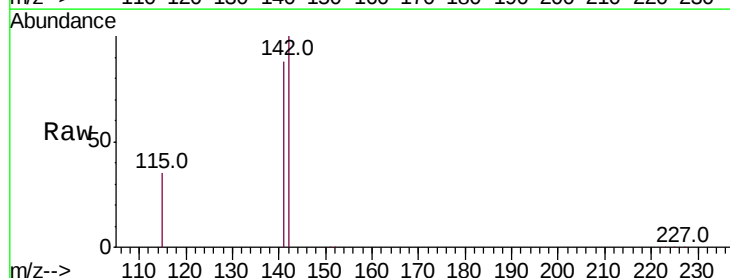
Tgt Ion:142 Resp: 52325

Ion Ratio Lower Upper

142 100

141 88.3 70.6 106.0

115 34.6 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

40000

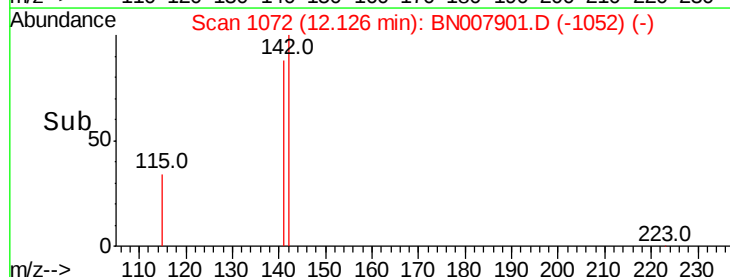
30000

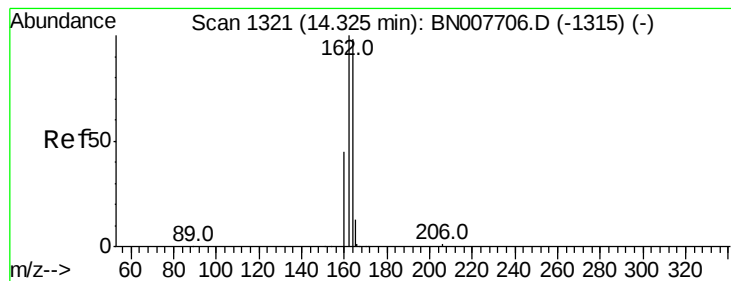
20000

10000

0

Time--> 12.00 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampleId :

TP-1-5

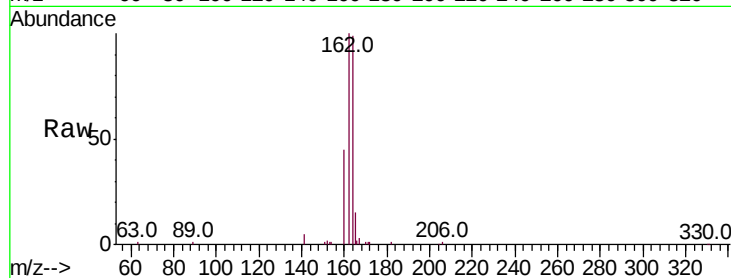
Tot Ion:164 Resp: 20501

Ion Ratio Lower Upper

164 100

162 101.5 81.7 122.5

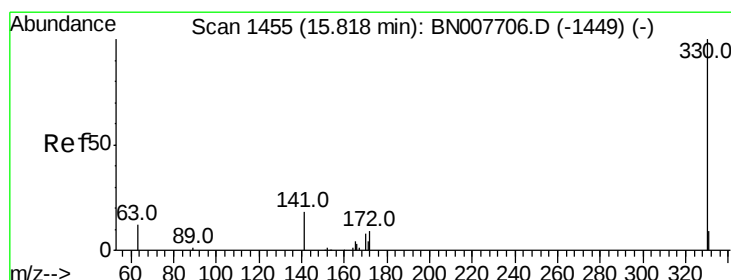
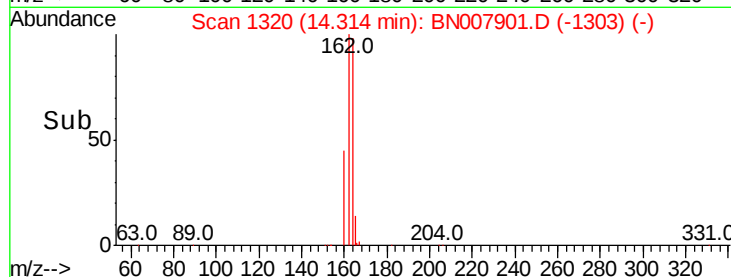
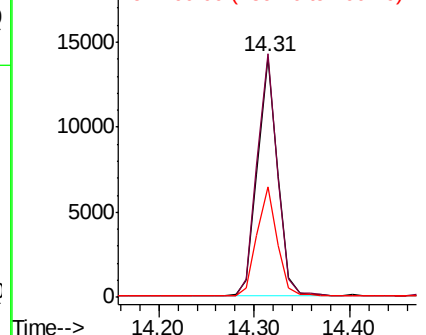
160 45.9 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.264 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

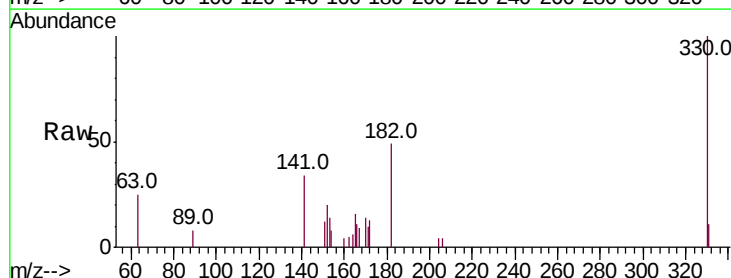
Tgt Ion:330 Resp: 2953

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

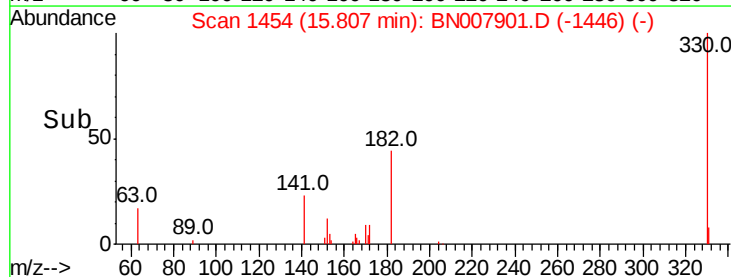
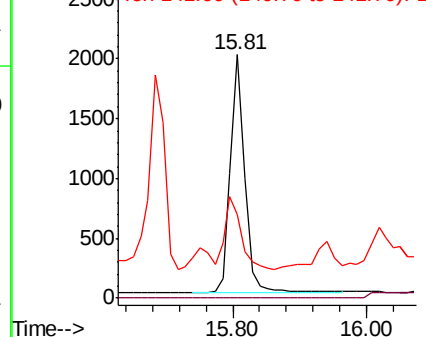
141 34.7 28.7 43.1



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

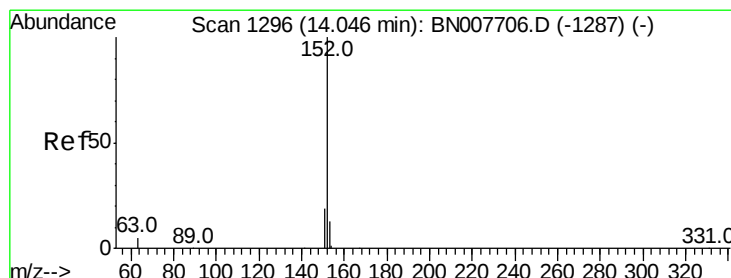
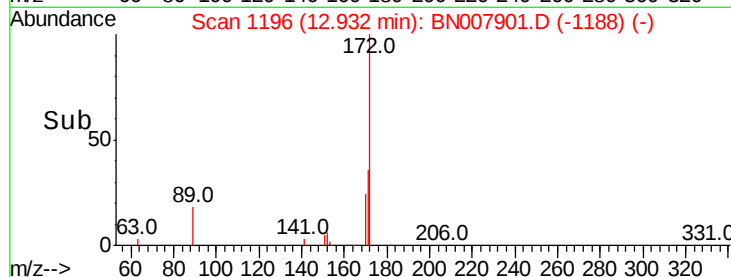
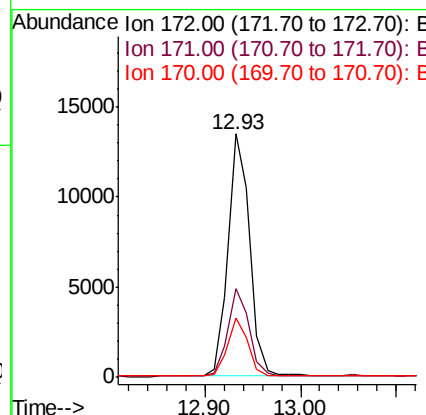
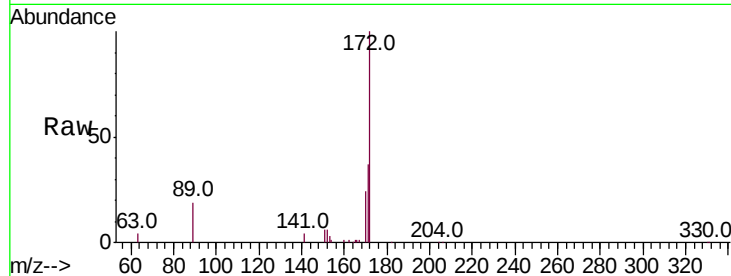




#15
2-Fluorobiphenyl
Concen: 0.251 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007901.D
Acq: 30 Sep 2019 17:41

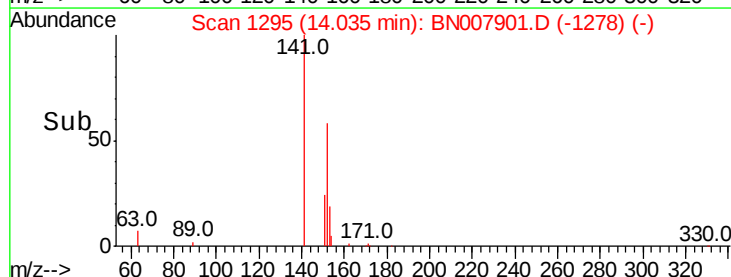
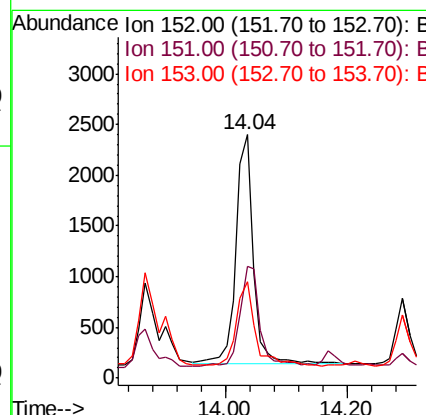
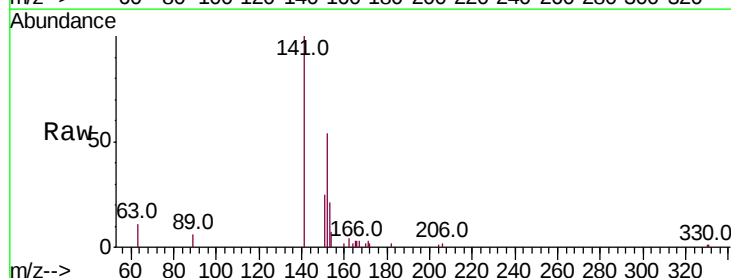
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TP-1-5

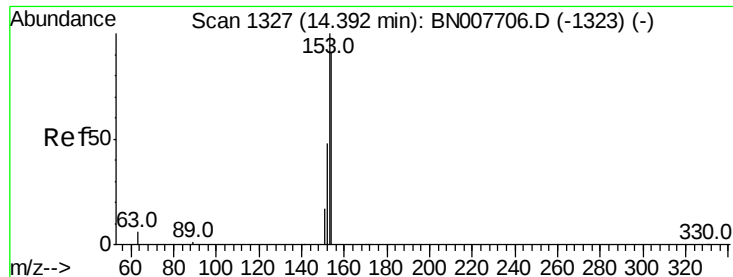
Tot Ion:172 Resp: 21219
Ion Ratio Lower Upper
172 100
171 36.5 28.8 43.2
170 24.1 19.5 29.3



#16
Acenaphthylene
Concen: 0.040 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007901.D
Acq: 30 Sep 2019 17:41

Tgt Ion:152 Resp: 4389
Ion Ratio Lower Upper
152 100
151 52.4 15.5 23.3#
153 40.9 10.4 15.6#





#17

Acenaphthene

Concen: 0.203 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampleId :

TP-1-5

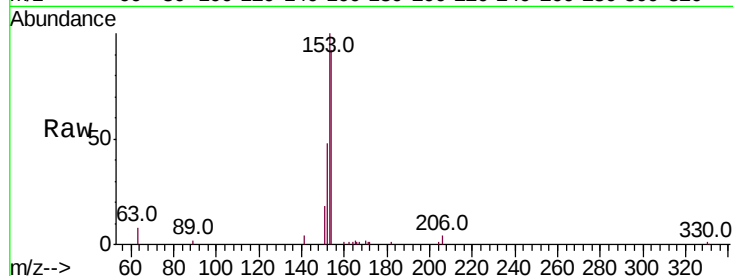
Tot Ion:154 Resp: 14222

Ion Ratio Lower Upper

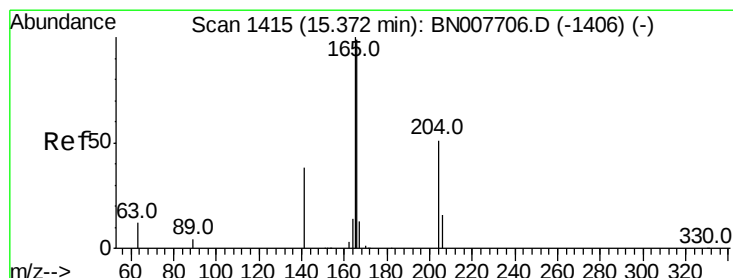
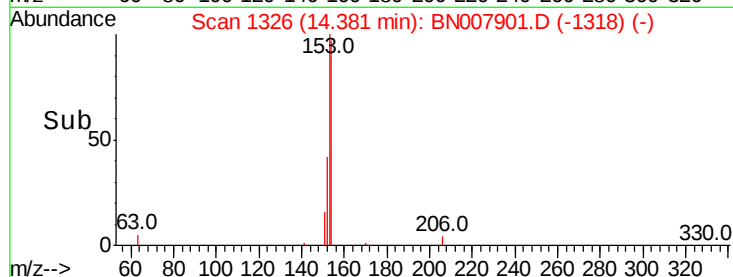
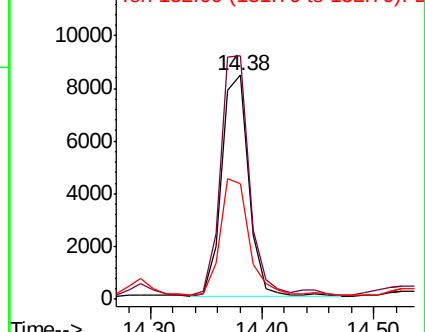
154 100

153 115.2 87.0 130.4

152 56.1 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.171 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

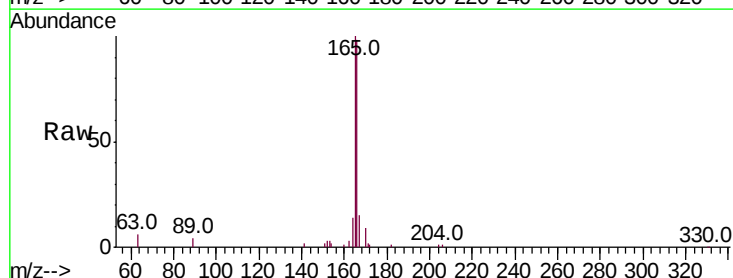
Tgt Ion:166 Resp: 15374

Ion Ratio Lower Upper

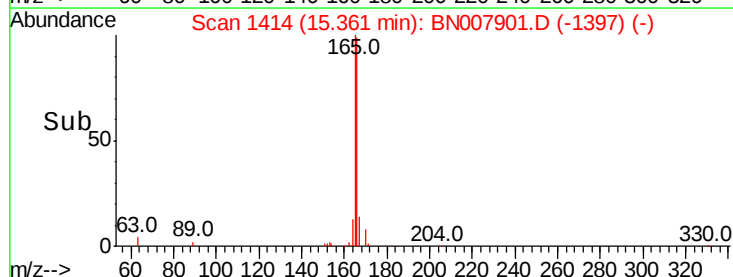
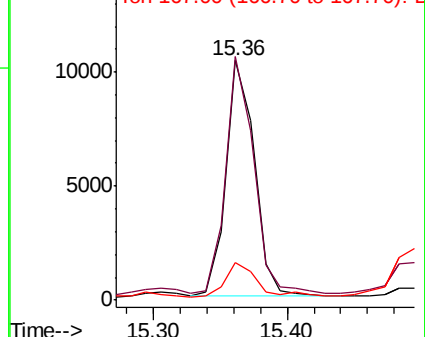
166 100

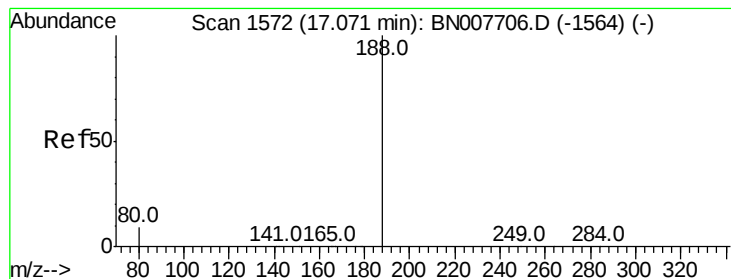
165 98.7 78.0 117.0

167 16.0 10.9 16.3



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: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampleId :

TP-1-5

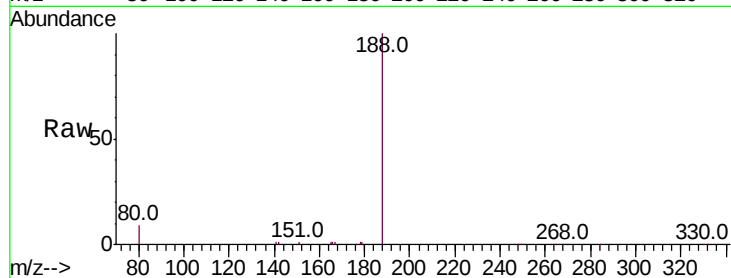
Tot Ion:188 Resp: 38399

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

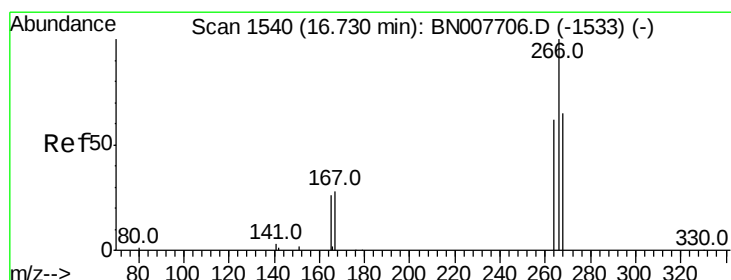
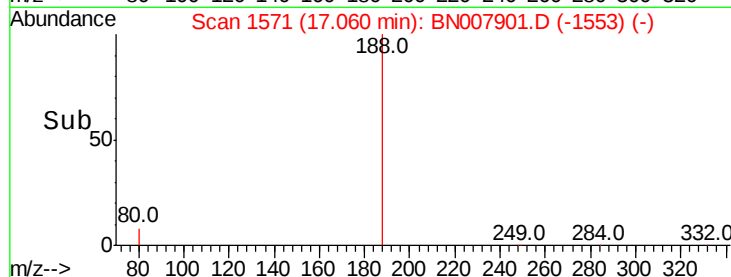
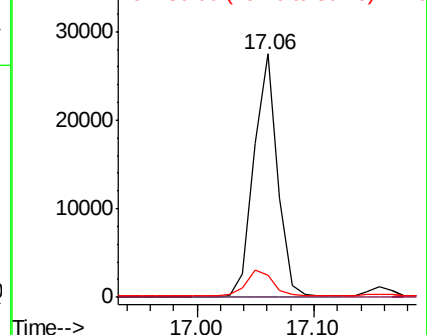
80 9.1 7.4 11.2



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



#22

Pentachlorophenol

Concen: 0.033 ng

RT: 16.72 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

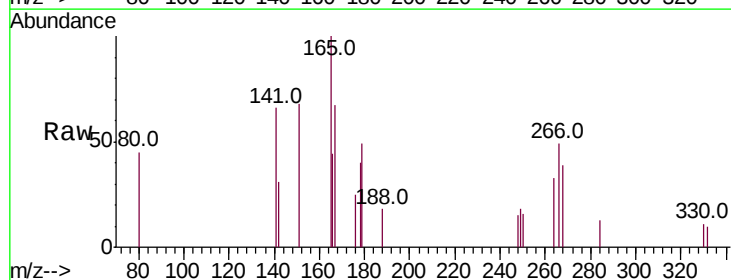
Tgt Ion:266 Resp: 314

Ion Ratio Lower Upper

266 100

264 67.4 50.0 75.0

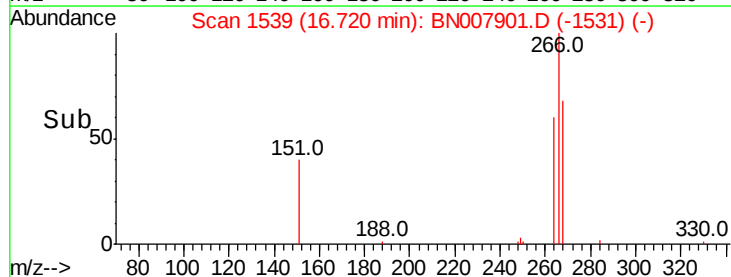
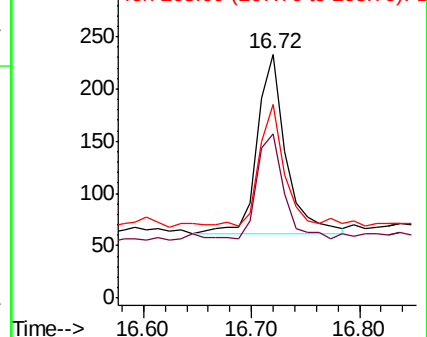
268 79.4 54.2 81.4

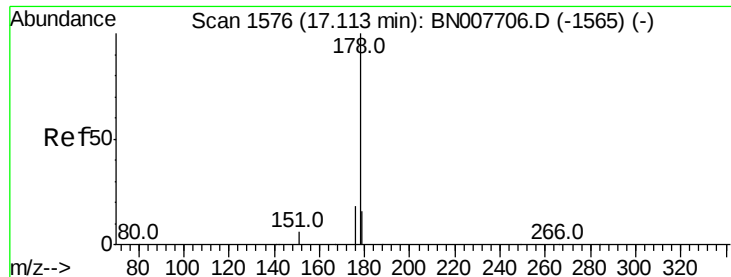


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.273 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampleId :

TP-1-5

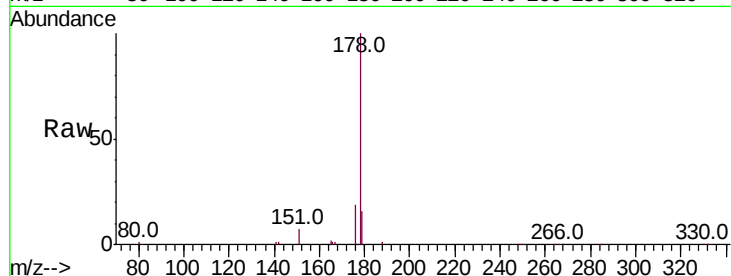
Tot Ion:178 Resp: 32674

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 16.4 12.5 18.7

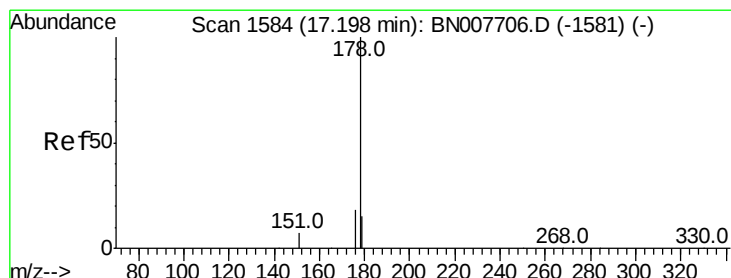
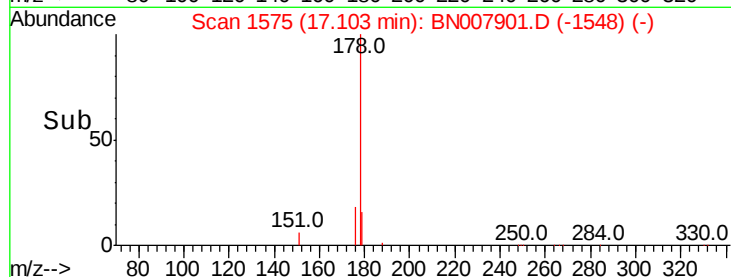
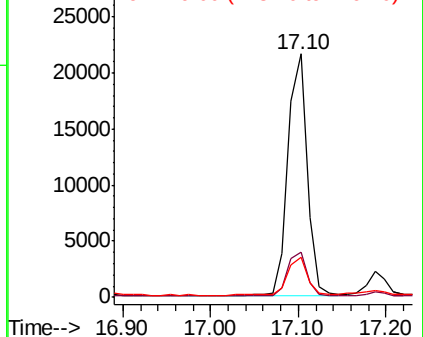


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.028 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

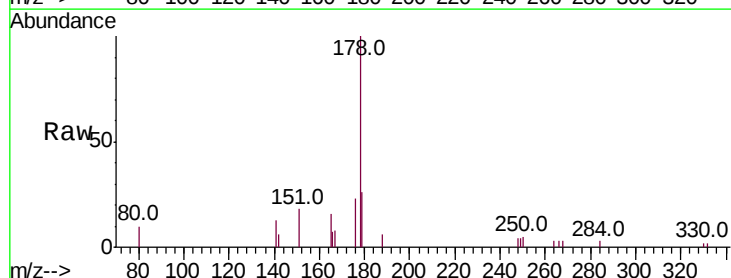
Tgt Ion:178 Resp: 3060

Ion Ratio Lower Upper

178 100

176 17.8 14.6 21.8

179 22.4 12.2 18.4#

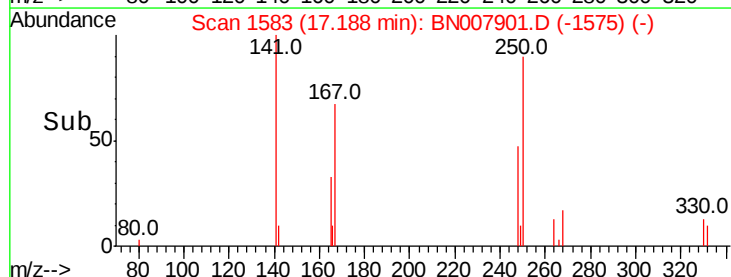
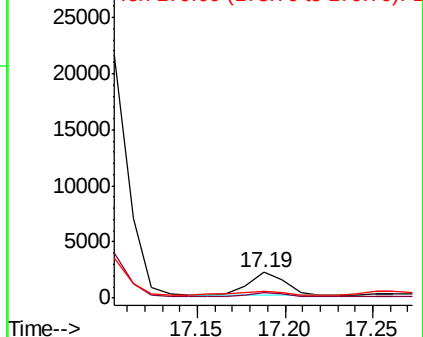


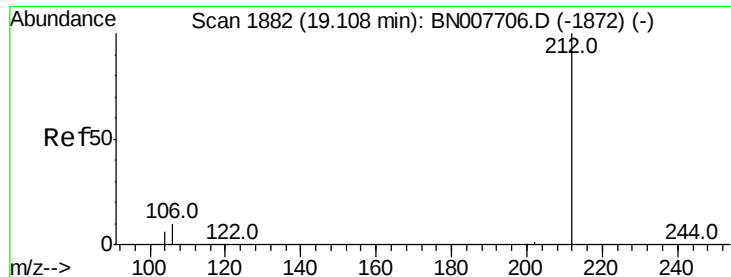
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.200 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampleId :

TP-1-5

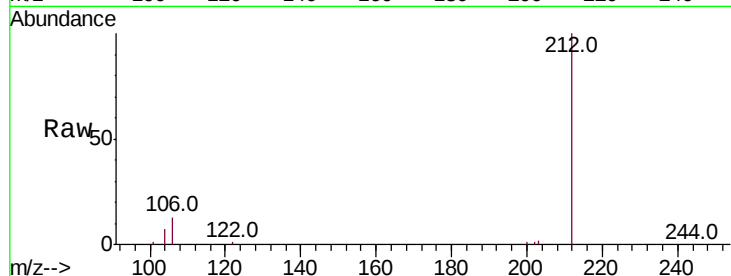
Tot Ion:212 Resp: 25938

Ion Ratio Lower Upper

212 100

106 12.9 9.4 14.0

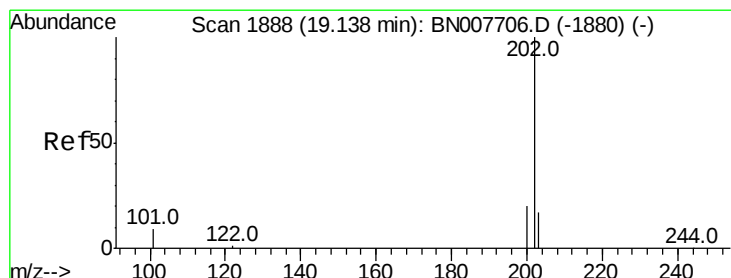
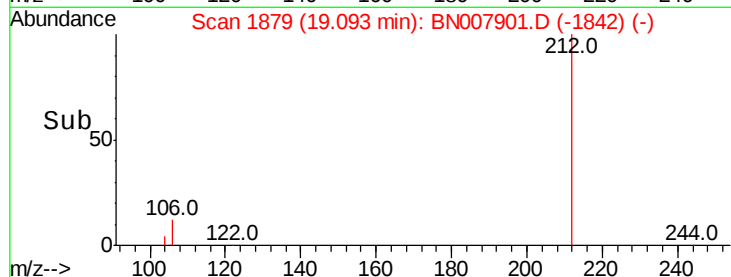
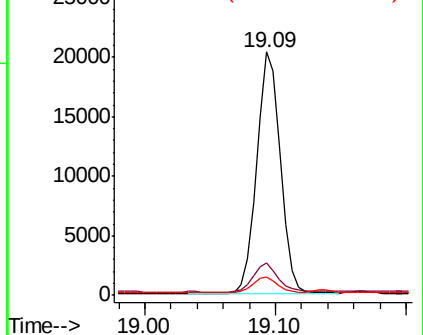
104 6.8 5.3 7.9



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: 0.045 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

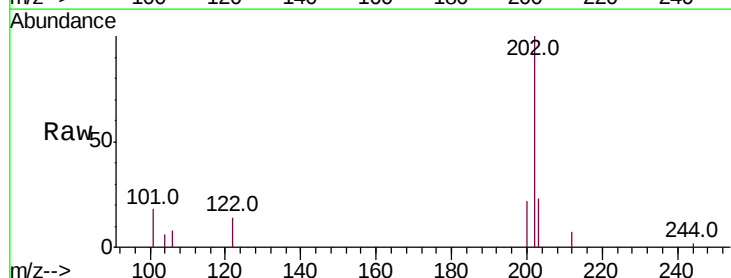
Tgt Ion:202 Resp: 6696

Ion Ratio Lower Upper

202 100

101 21.8 8.4 12.6#

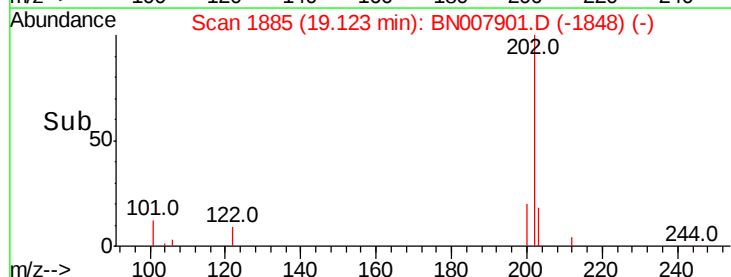
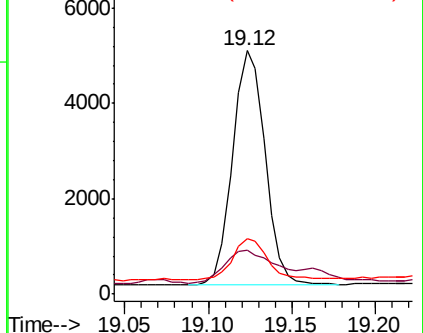
203 19.0 13.8 20.8

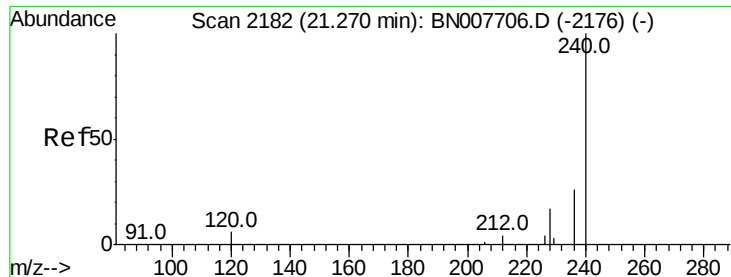


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.26 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampleId :

TP-1-5

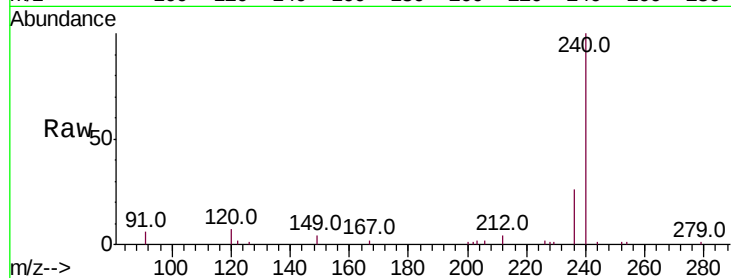
Tot Ion:240 Resp: 39522

Ion Ratio Lower Upper

240 100

120 6.9 5.4 8.2

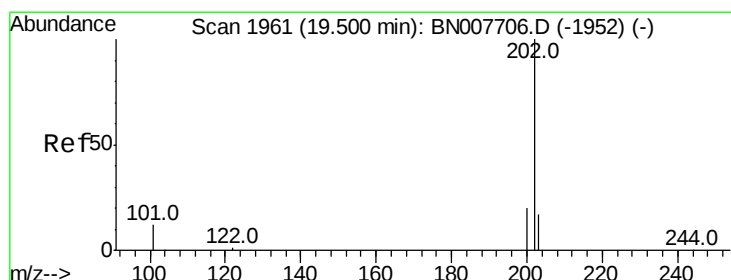
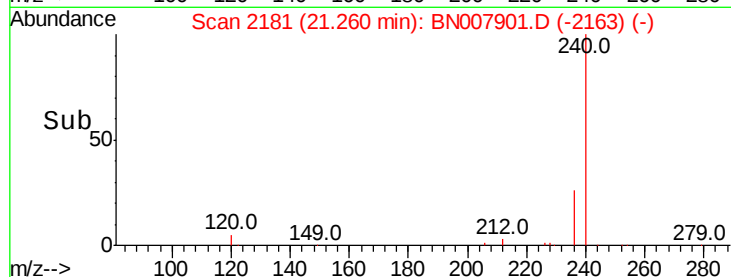
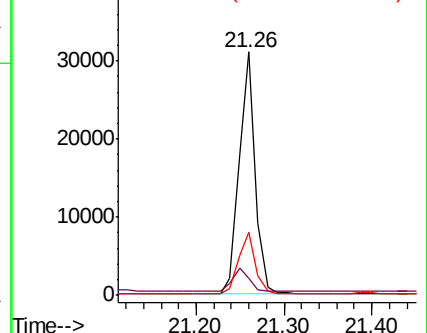
236 26.2 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.085 ng

RT: 19.49 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

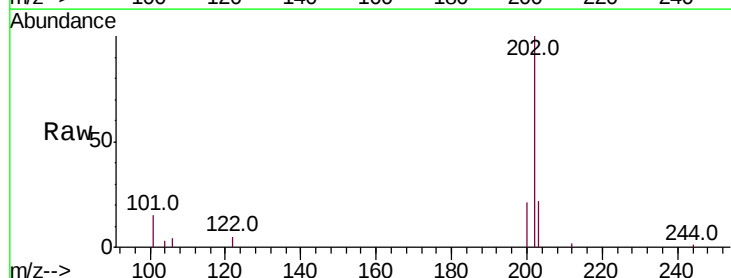
Tgt Ion:202 Resp: 11514

Ion Ratio Lower Upper

202 100

200 21.1 16.4 24.6

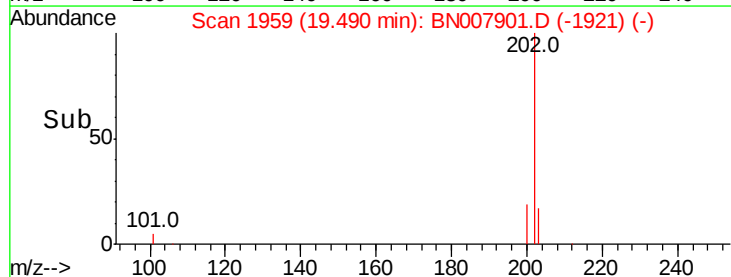
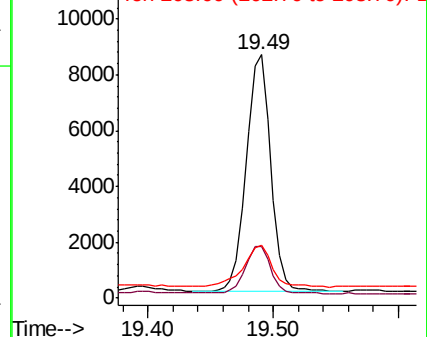
203 20.6 14.1 21.1

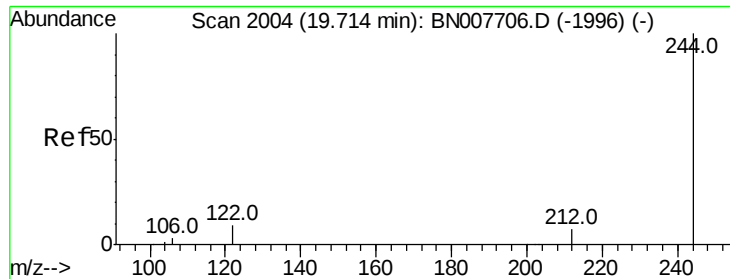


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.397 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

Instrument :

BNA_N

ClientSampleId :

TP-1-5

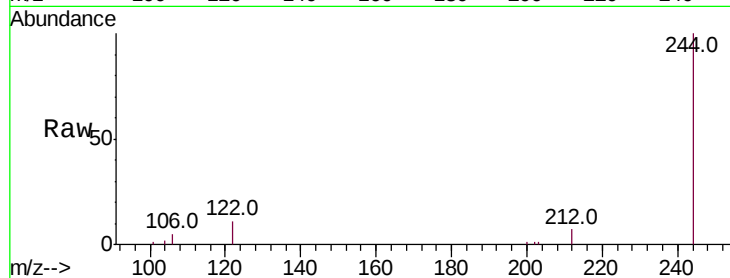
Tot Ion:244 Resp: 38509

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

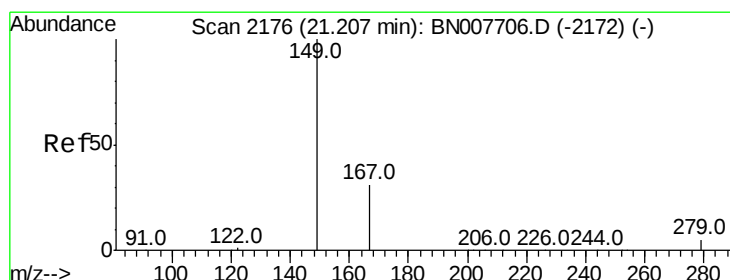
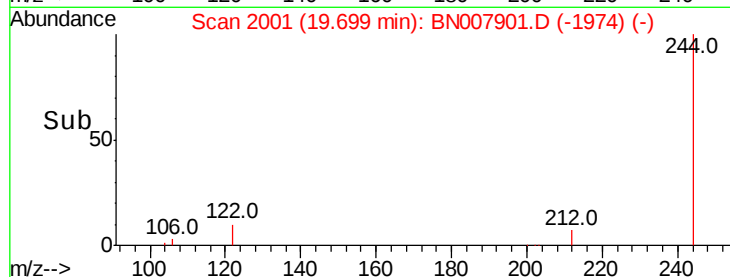
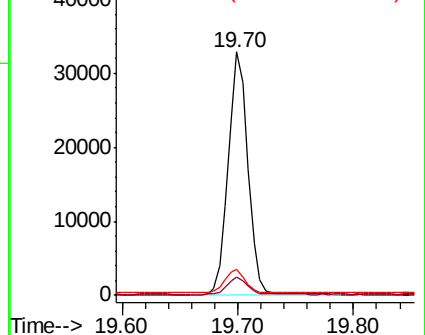
122 10.7 7.4 11.2



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: 1.025 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007901.D

Acq: 30 Sep 2019 17:41

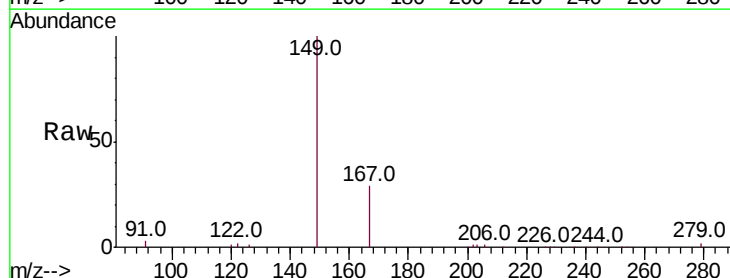
Tgt Ion:149 Resp: 76743

Ion Ratio Lower Upper

149 100

167 29.3 23.7 35.5

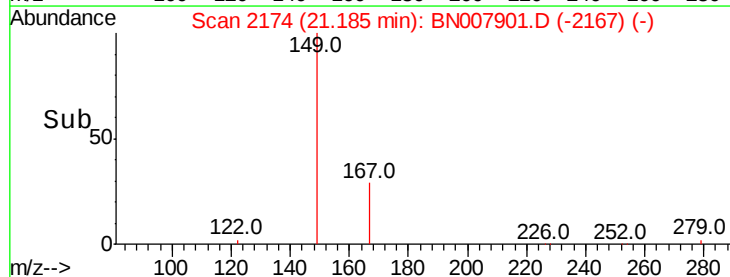
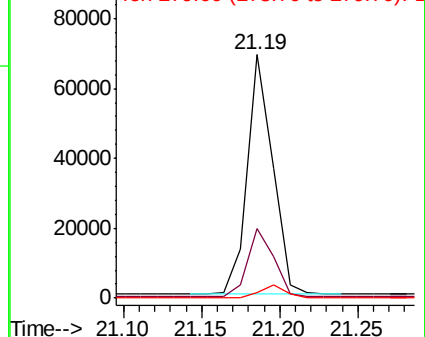
279 5.1 4.2 6.2

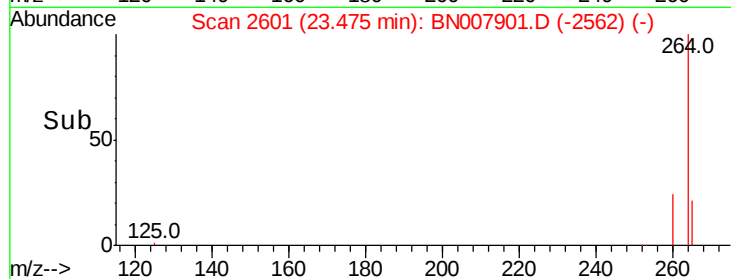
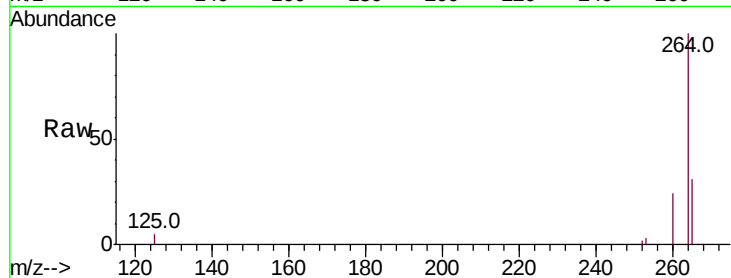
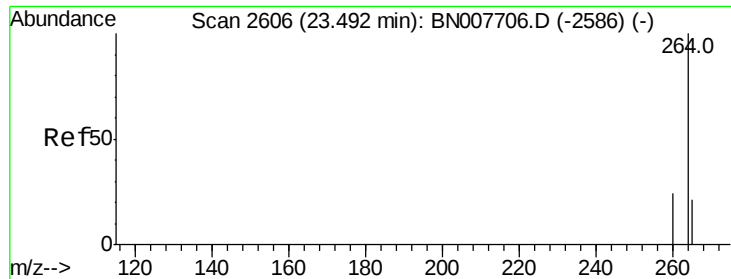


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BN007901.D
 Acq: 30 Sep 2019 17:41

Instrument :
 BNA_N
 ClientSampleId :
 TP-1-5

Tot Ion:264 Resp: 46632
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.3 28.9
 265 30.8 26.9 40.3

