

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
 Data File : BP002809.D
 Acq On : 21 Jul 2020 11:41
 Operator : CG/JU
 Sample : L3329-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LT-4

Quant Time: Jul 21 13:46:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

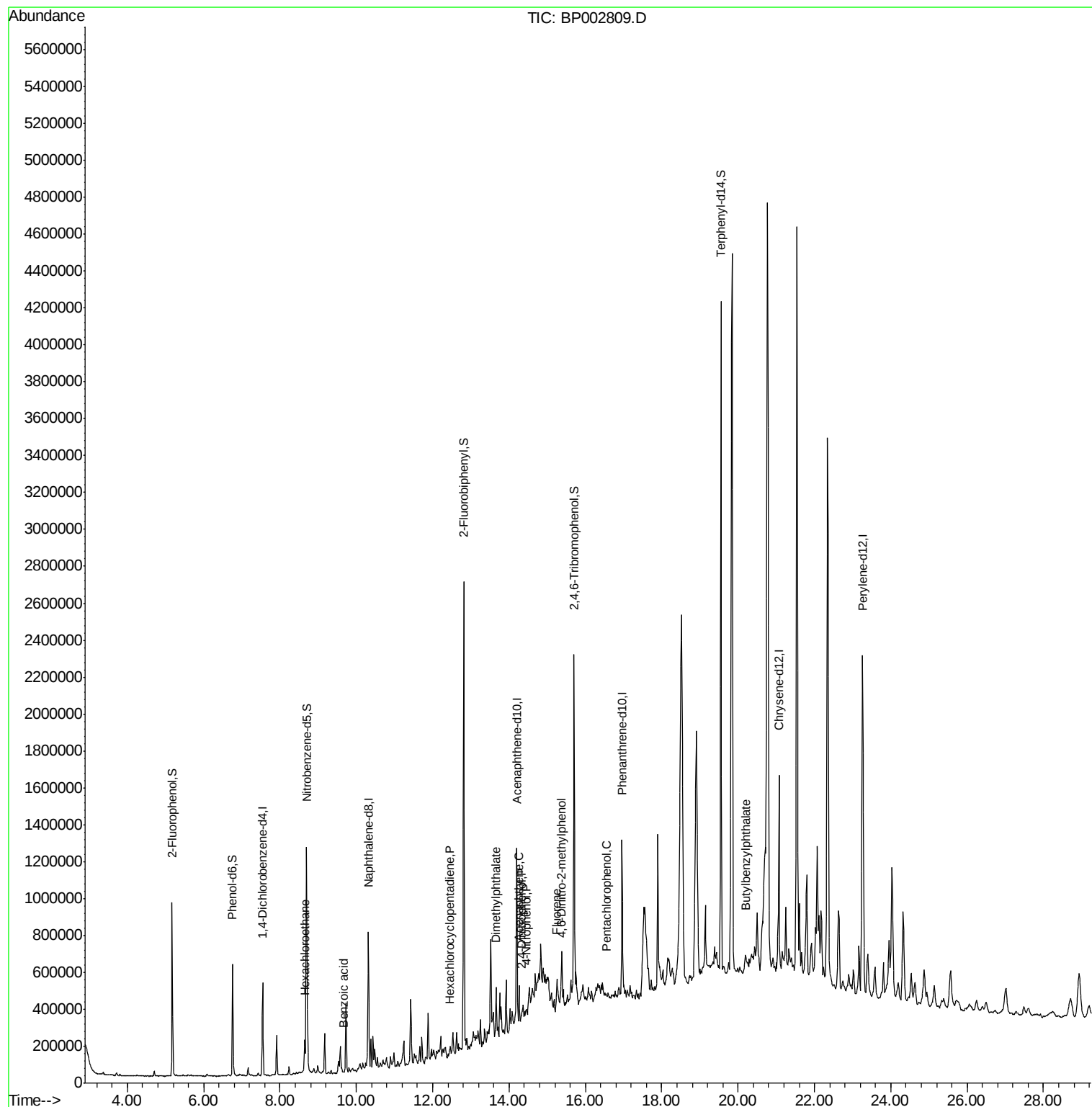
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	136207	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	513034	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	290928	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	523458	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	478424	20.00	ng	0.00
86) Perylene-d12	23.26	264	580905	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	429206	53.17	ng	0.00
7) Phenol-d6	6.76	99	383784	33.31	ng	0.00
23) Nitrobenzene-d5	8.69	82	720224	75.08	ng	-0.01
42) 2,4,6-Tribromophenol	15.70	330	398975	131.38	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	1354147	72.01	ng	-0.01
79) Terphenyl-d14	19.55	244	1629155	78.07	ng	0.00
Target Compounds						
18) Hexachloroethane	8.65	117	37006	10.108	ng	# 19
32) Benzoic acid	9.66	122	1953	7.358	ng	# 81
41) Hexachlorocyclopentadiene	12.45	237	36	7.442	ng	80
50) Dimethylphthalate	13.66	163	168857	7.611	ng	98
52) Acenaphthene	14.26	154	63825	3.846	ng	98
54) 2,4-Dinitrophenol	14.33	184	263	11.459	ng	# 1
56) 4-Nitrophenol	14.43	139	2567	5.537	ng	# 1
58) Fluorene	15.26	166	46349	2.353	ng	# 94
65) 4,6-Dinitro-2-methylphenol	15.36	198	102	5.296	ng	# 1
70) Pentachlorophenol	16.57	266	229	7.513	ng	96
80) Butylbenzylphthalate	20.19	149	82423	6.323	ng	# 42

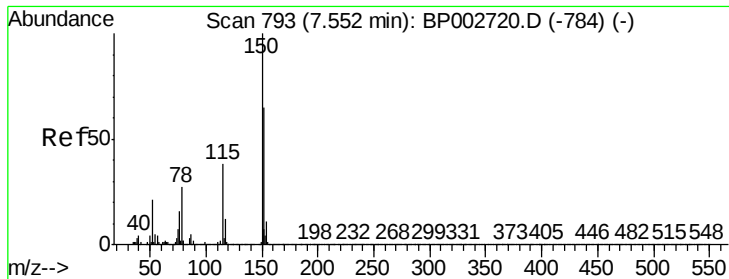
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
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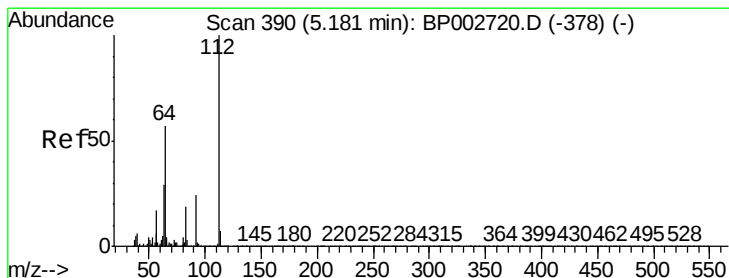
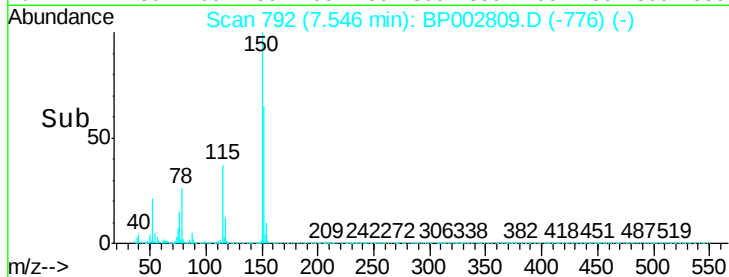
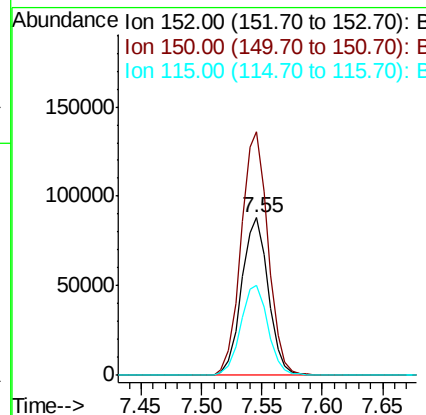
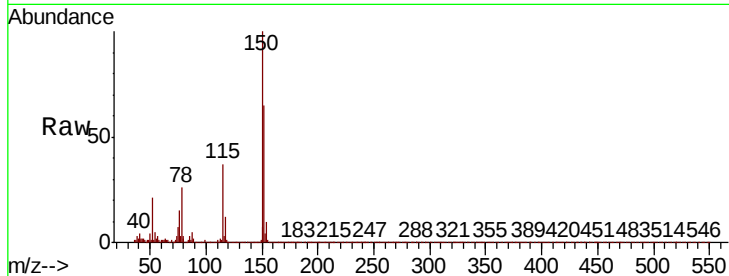


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

Instrument :
BNA_P
ClientSampled :
LT-4

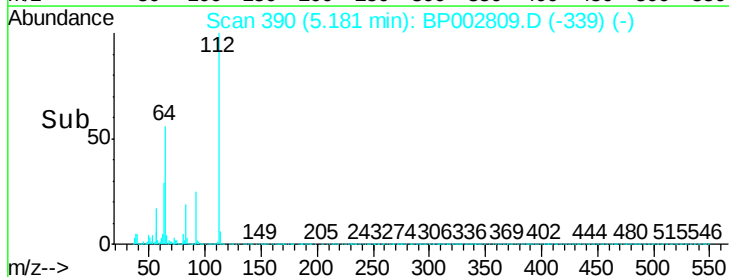
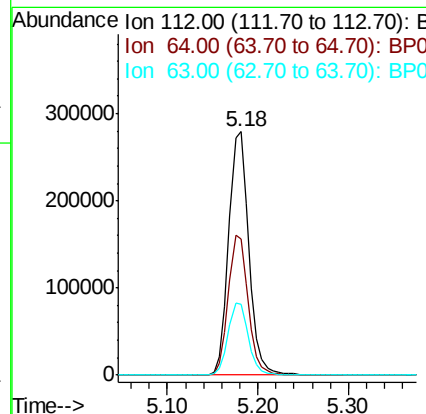
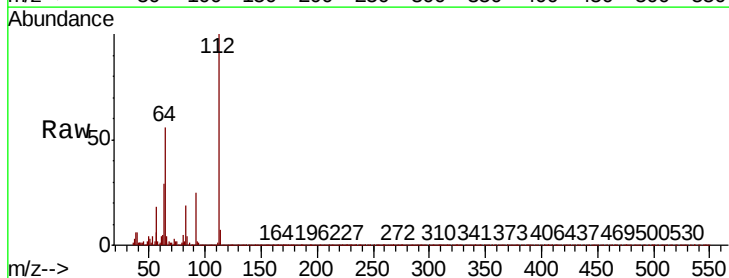
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.7	185.5
115	57.0	47.2	70.8

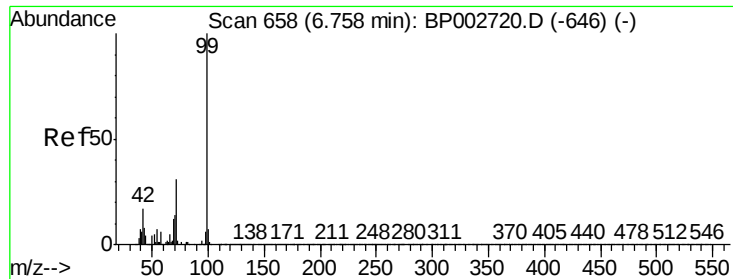


#5

2-Fluorophenol
Concen: 53.165 ng
RT: 5.18 min Scan# 390
Delta R.T. 0.00 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.6	68.4
63	28.8	23.5	35.3





#7

Phenol-d6

Concen: 33.310 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

Instrument :

BNA_P

ClientSampleId :

LT-4

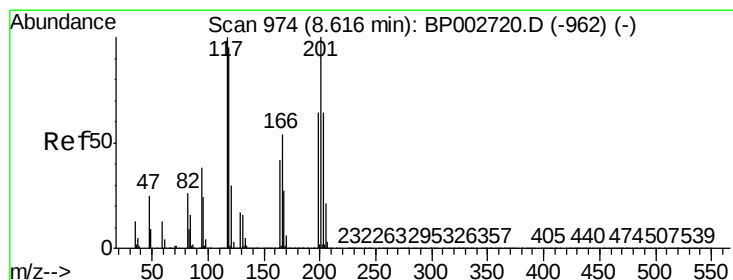
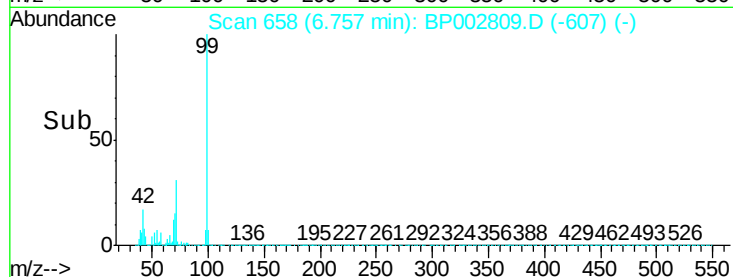
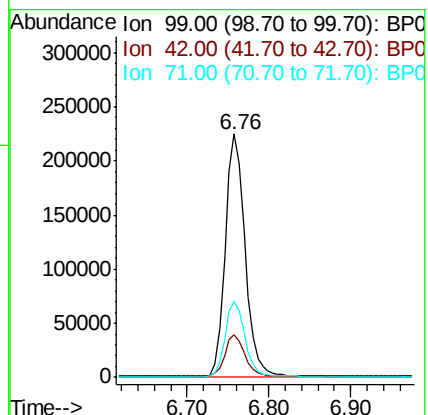
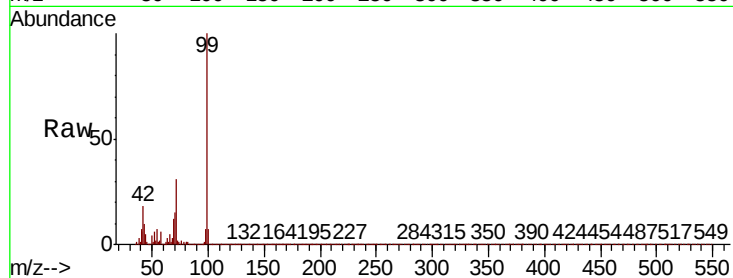
Tot Ion: 99 Resp: 383784

Ion Ratio Lower Upper

99 100

42 17.7 13.4 20.2

71 31.2 24.6 36.8



#18

Hexachloroethane

Concen: 10.108 ng

RT: 8.65 min Scan# 979

Delta R.T. 0.02 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

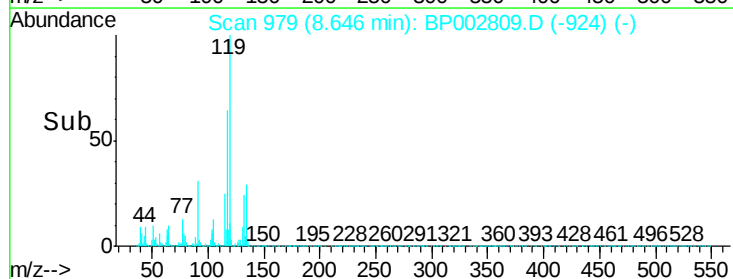
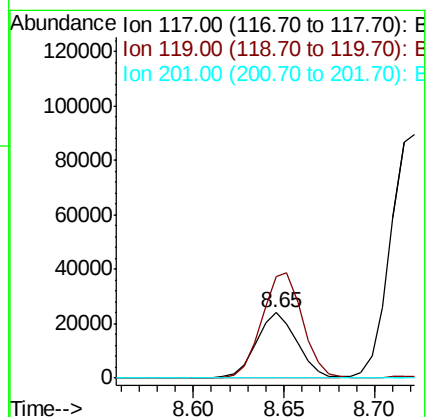
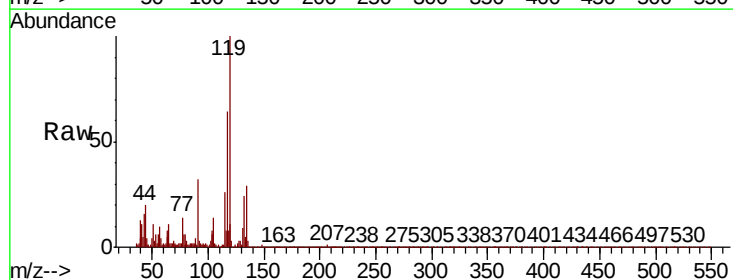
Tgt Ion: 117 Resp: 37006

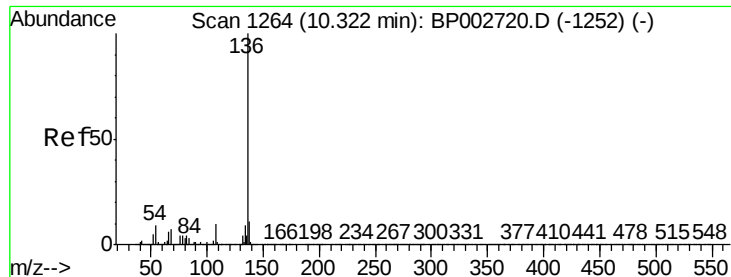
Ion Ratio Lower Upper

117 100

119 155.3 76.6 115.0#

201 0.1 80.3 120.5#

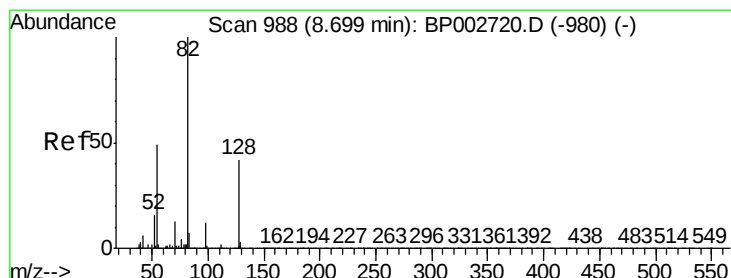
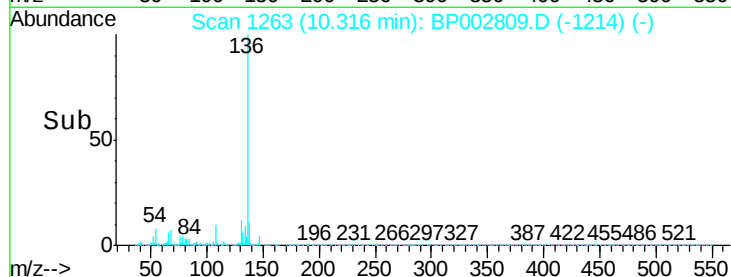
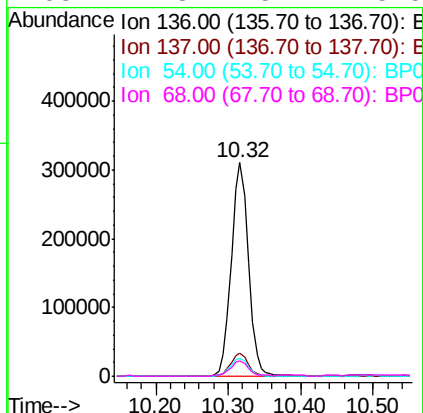
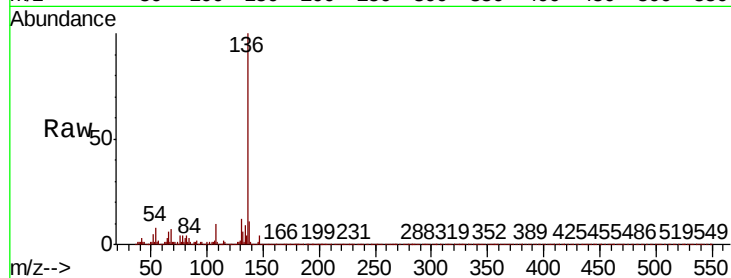




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

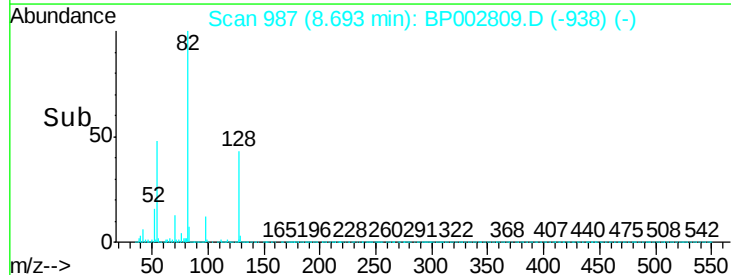
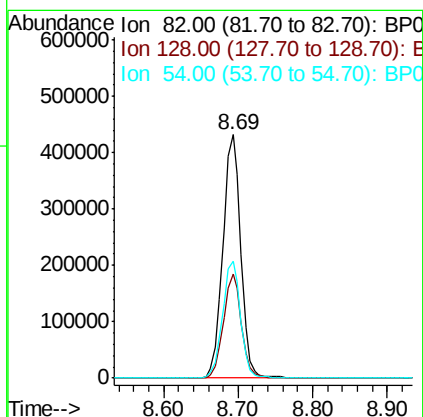
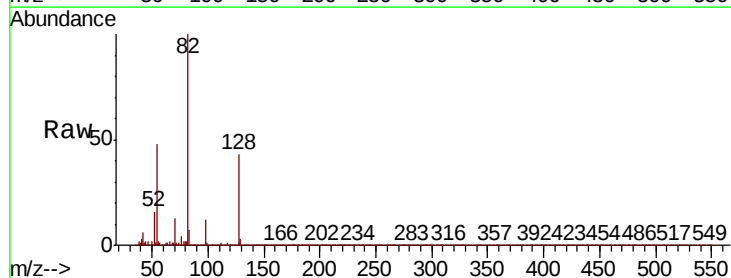
Instrument :
BNA_P
ClientSampled :
LT-4

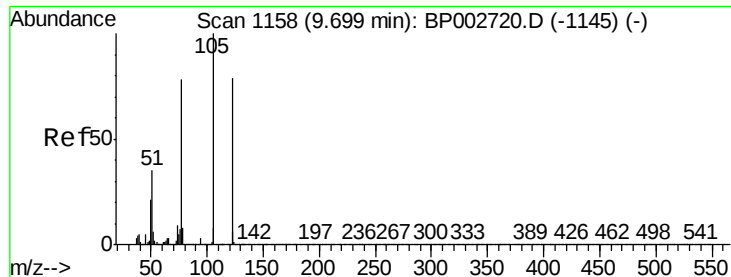
Tot Ion:136	Resp:	513034
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.6 13.0
54	8.5	6.9 10.3
68	7.3	5.7 8.5



#23
Nitrobenzene-d5
Concen: 75.083 ng
RT: 8.69 min Scan# 987
Delta R.T. -0.01 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

Tgt Ion: 82	Resp:	720224
Ion	Ratio	Lower Upper
82	100	
128	42.6	33.8 50.8
54	48.2	38.8 58.2

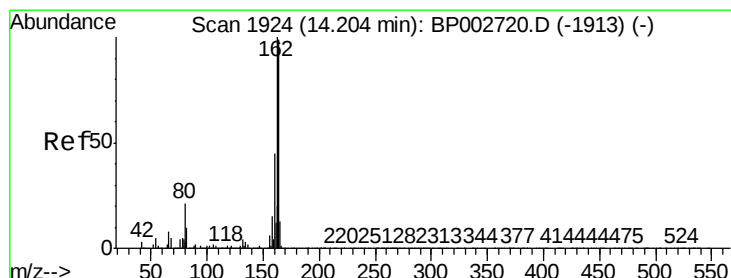
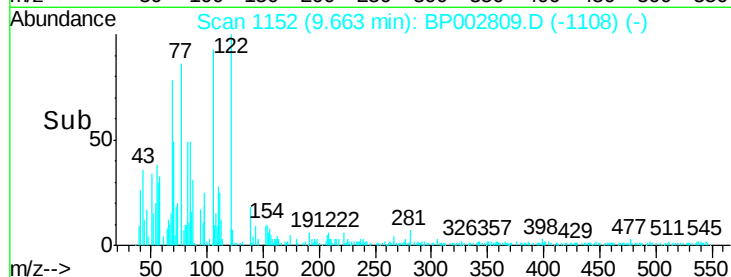
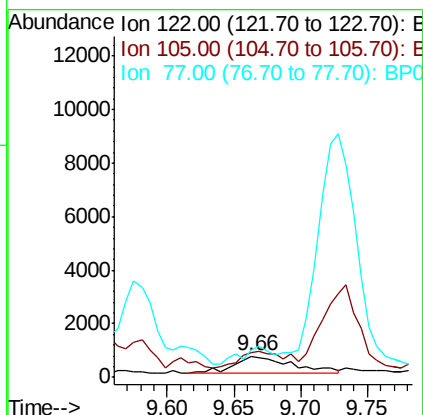
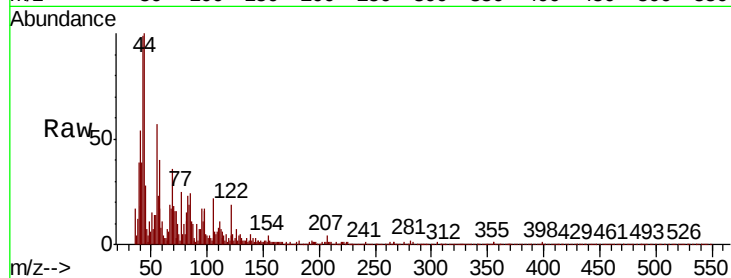




#32
Benzoic acid
Concen: 7.358 ng
RT: 9.66 min Scan# 1152
Delta R.T. -0.04 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

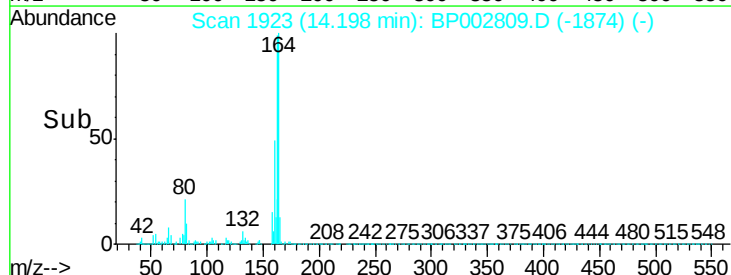
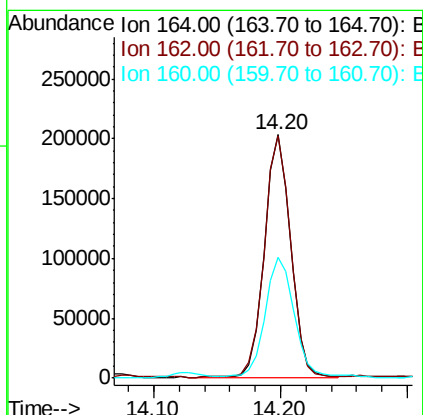
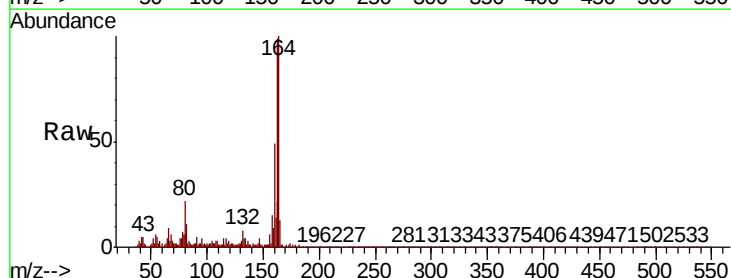
Instrument :
BNA_P
ClientSampled :
LT-4

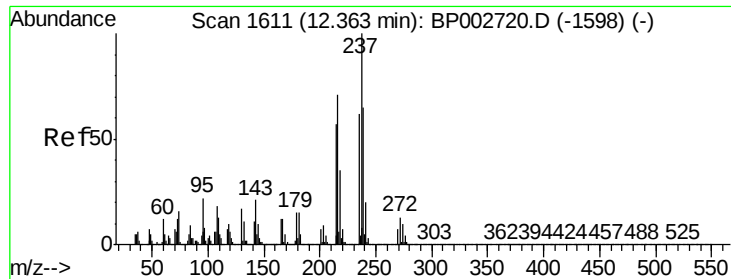
Tot Ion:122 Resp: 1953
Ion Ratio Lower Upper
122 100
105 116.2 105.4 145.4
77 130.3 78.5 118.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.20 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

Tgt Ion:164 Resp: 290928
Ion Ratio Lower Upper
164 100
162 99.5 80.6 121.0
160 49.5 36.4 54.6





#41

Hexachlorocyclopentadiene

Concen: 7.442 ng

RT: 12.45 min Scan# 1626

Delta R.T. 0.09 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

Instrument :

BNA_P

ClientSampleId :

LT-4

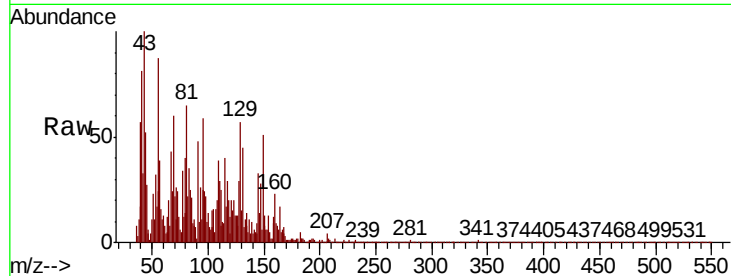
Tot Ion:237 Resp: 36

Ion Ratio Lower Upper

237 100

235 44.1 42.3 82.3

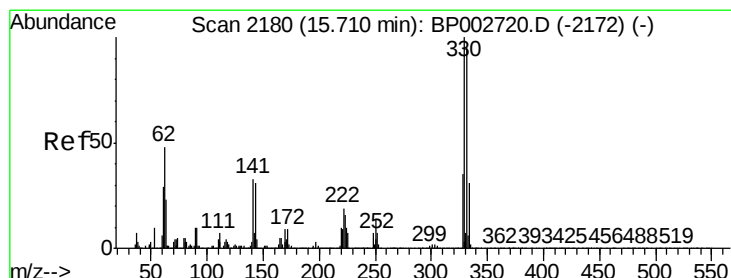
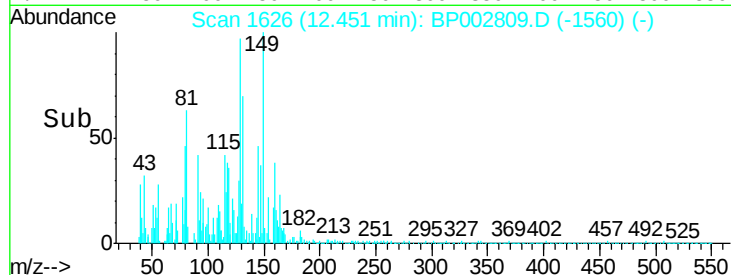
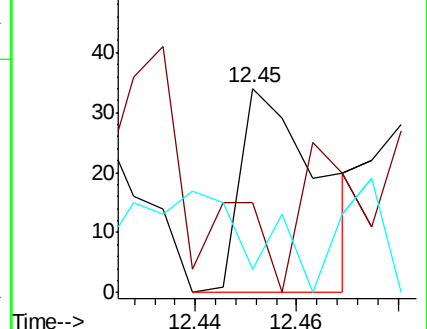
272 11.8 0.0 32.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 131.379 ng

RT: 15.70 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

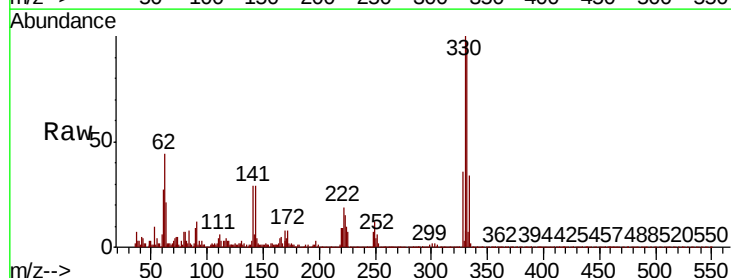
Tgt Ion:330 Resp: 398975

Ion Ratio Lower Upper

330 100

332 96.8 76.5 114.7

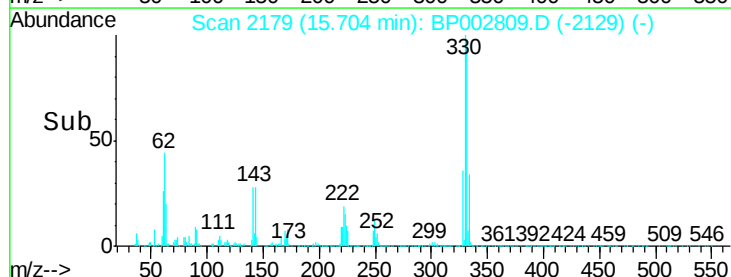
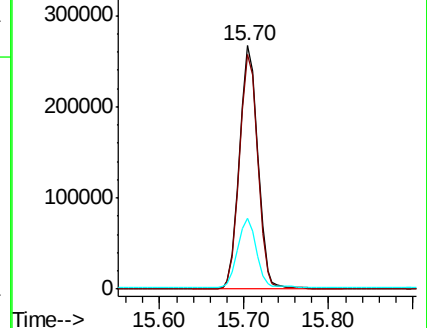
141 29.0 28.8 43.2

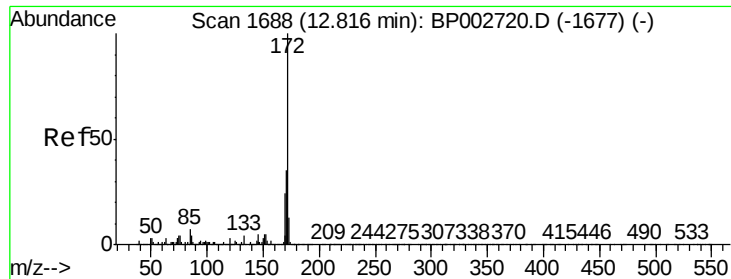


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

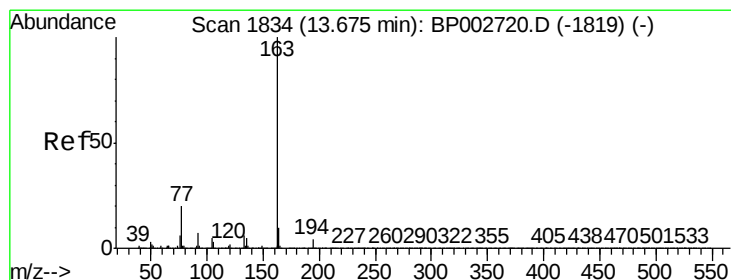
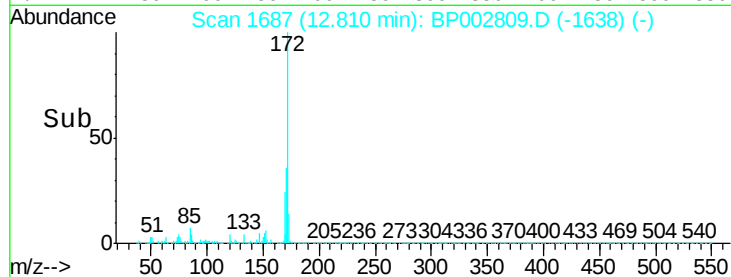
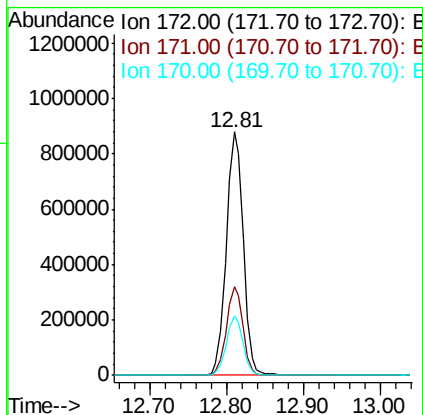
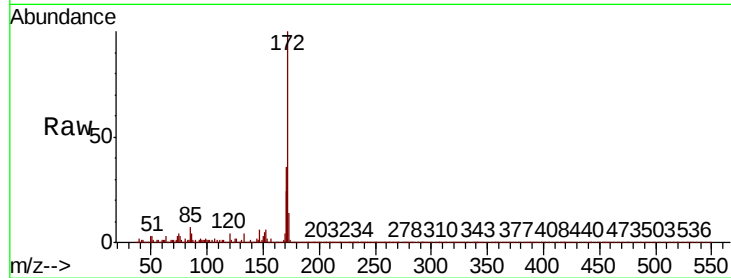




#45
2-Fluorobiphenyl
Concen: 72.005 ng
RT: 12.81 min Scan# 1687
Delta R.T. -0.01 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

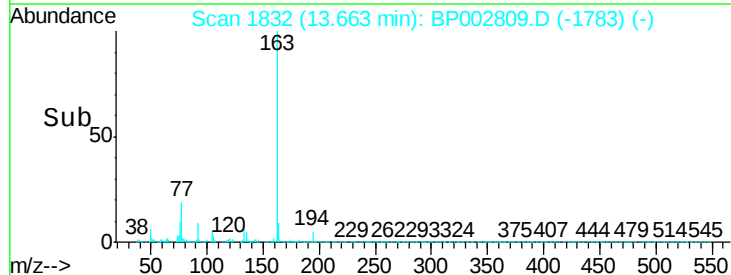
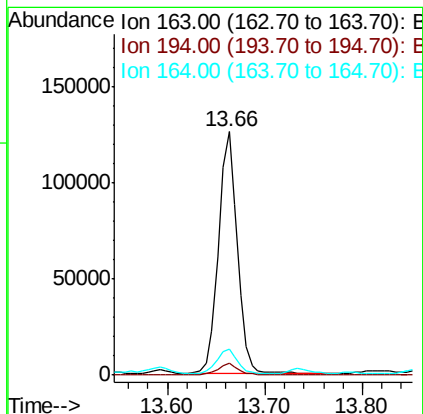
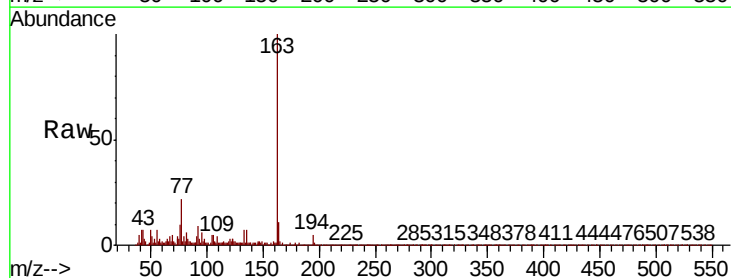
Instrument :
BNA_P
ClientSampleId :
LT-4

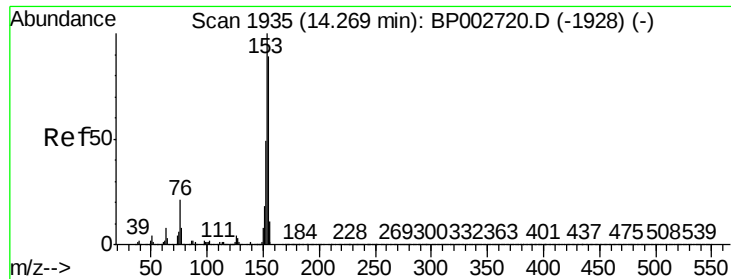
Tot Ion:172 Resp: 1354147
Ion Ratio Lower Upper
172 100
171 36.3 28.1 42.1
170 24.3 19.3 28.9



#50
Dimethylphthalate
Concen: 7.611 ng
RT: 13.66 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

Tgt Ion:163 Resp: 168857
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 10.6 7.8 11.8





#52

Acenaphthene

Concen: 3.846 ng

RT: 14.26 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

Instrument :

BNA_P

ClientSampleId :

LT-4

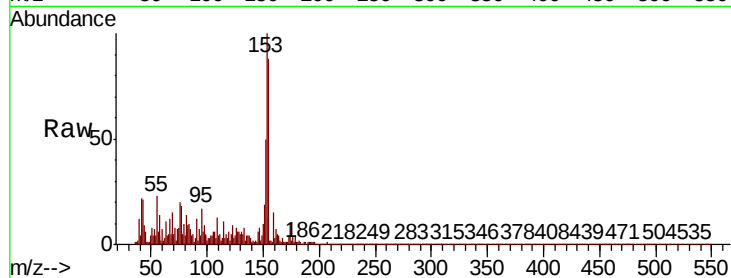
Tot Ion:154 Resp: 63825

Ion Ratio Lower Upper

154 100

153 113.8 90.1 135.1

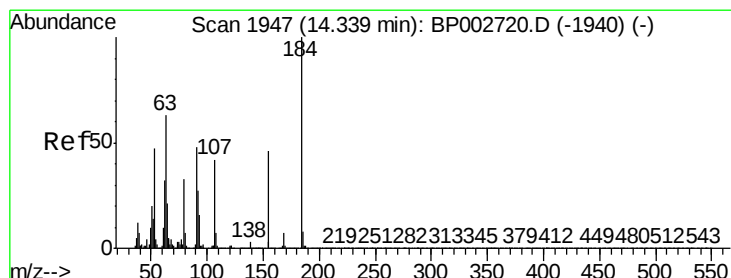
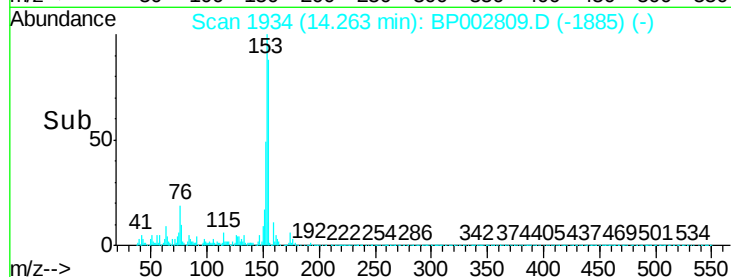
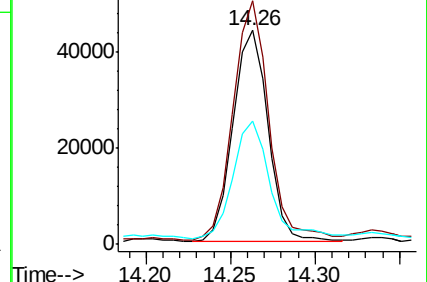
152 57.4 43.8 65.6



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



#54

2,4-Dinitrophenol

Concen: 11.459 ng

RT: 14.33 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

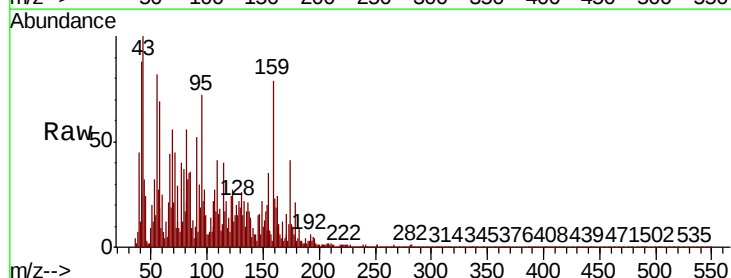
Tgt Ion:184 Resp: 263

Ion Ratio Lower Upper

184 100

63 474.8 51.6 77.4#

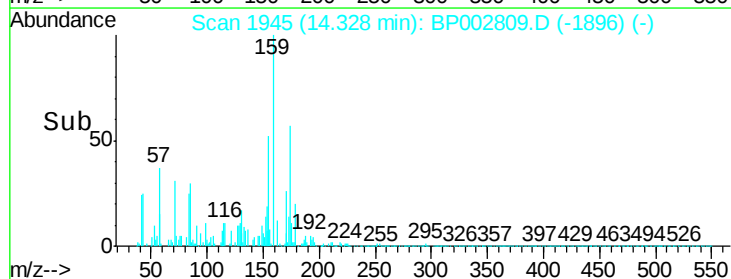
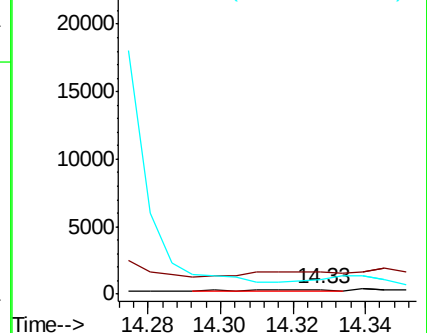
154 312.8 45.0 67.6#

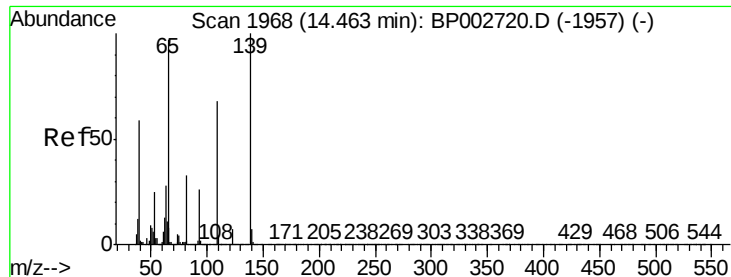


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

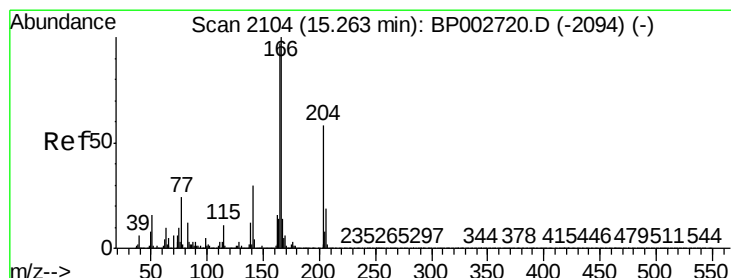
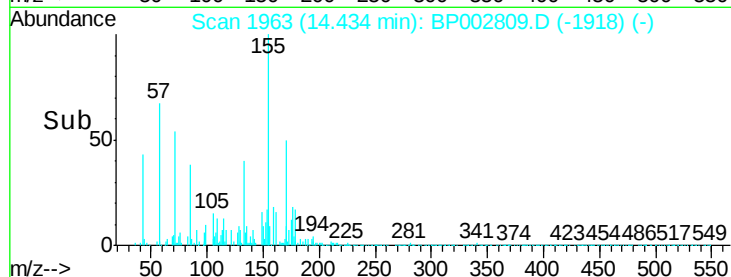
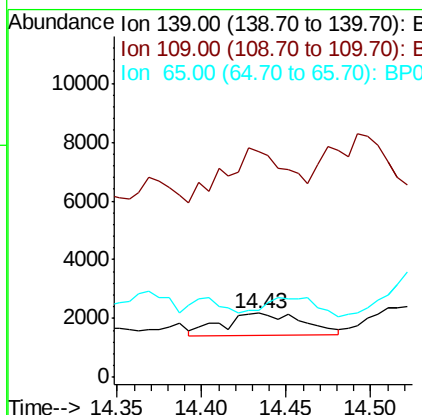
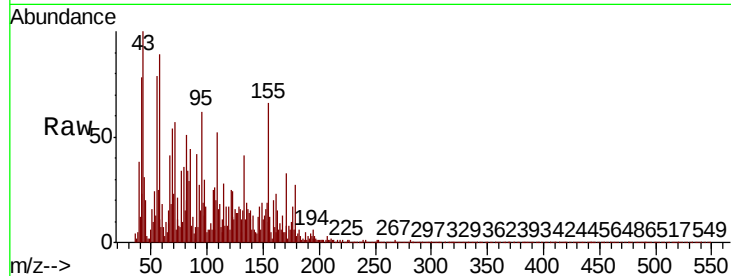




#56
4-Nitrophenol
Concen: 5.537 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.04 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

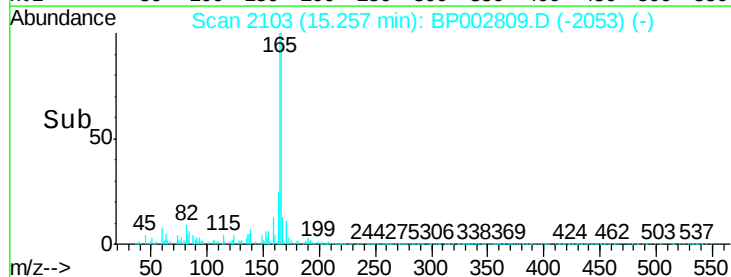
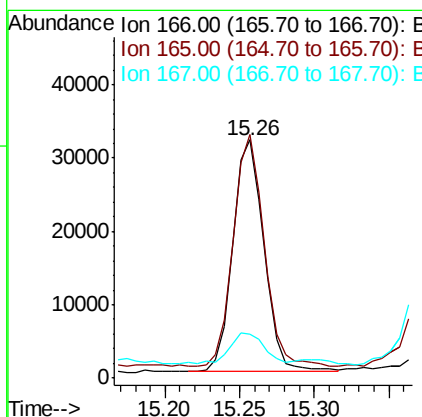
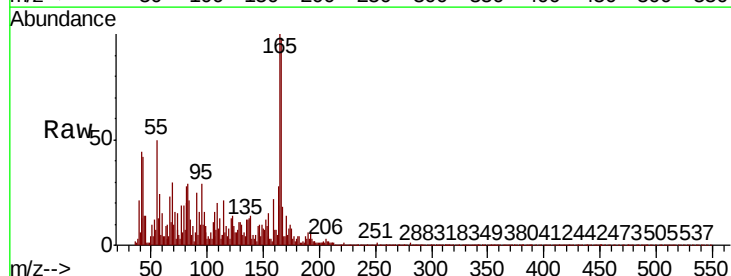
Instrument :
BNA_P
ClientSampleId :
LT-4

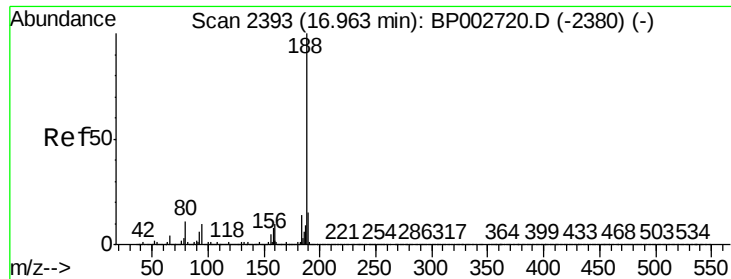
Tot Ion:139 Resp: 2567
Ion Ratio Lower Upper
139 100
109 352.8 48.1 88.1#
65 105.1 77.9 117.9



#58
Fluorene
Concen: 2.353 ng
RT: 15.26 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

Tgt Ion:166 Resp: 46349
Ion Ratio Lower Upper
166 100
165 102.3 77.7 116.5
167 18.7 11.0 16.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.96 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

Instrument :

BNA_P

ClientSampled :

LT-4

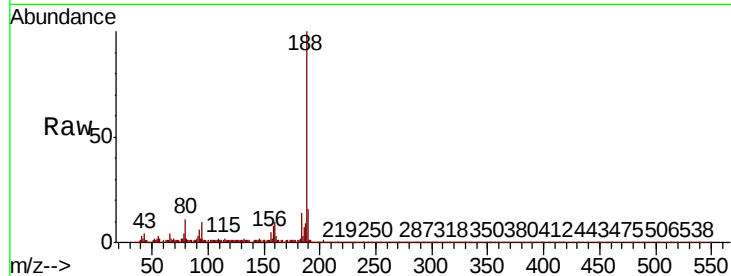
Tot Ion:188 Resp: 523458

Ion Ratio Lower Upper

188 100

94 9.9 8.1 12.1

80 10.8 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

500000

400000

300000

200000

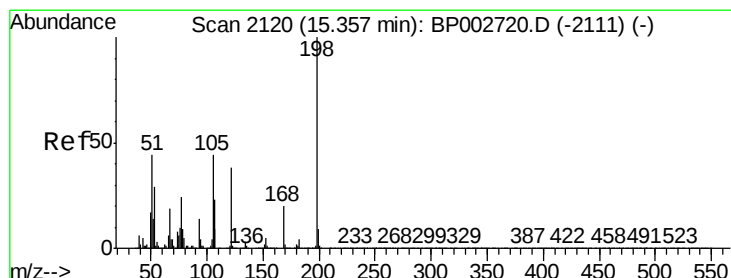
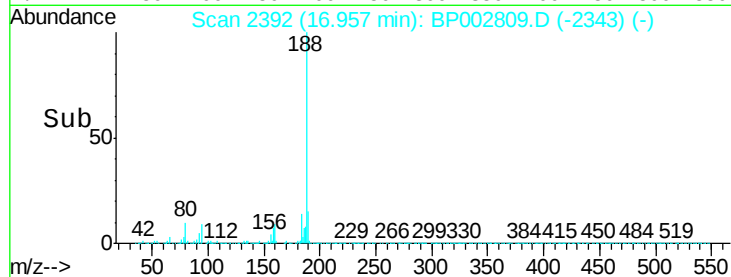
100000

0

16.96

16.90 17.00

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 5.296 ng

RT: 15.36 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

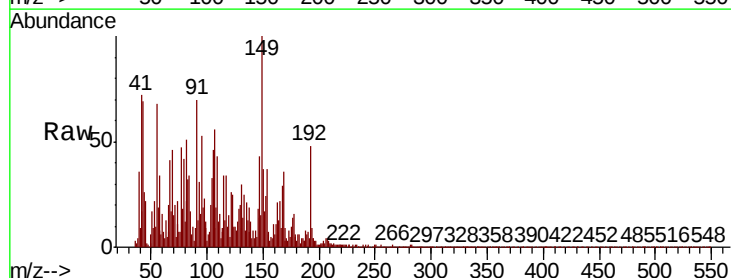
Tgt Ion:198 Resp: 102

Ion Ratio Lower Upper

198 100

51 1281.0 27.1 67.1#

105 3411.5 24.9 64.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

12000

10000

8000

6000

4000

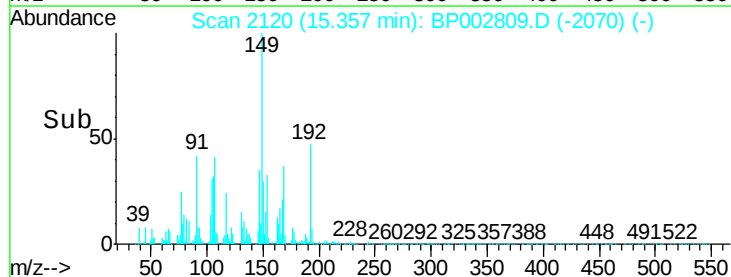
2000

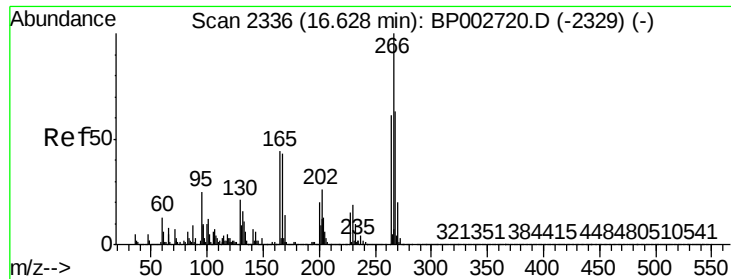
0

15.36

15.34 15.36

Time-->

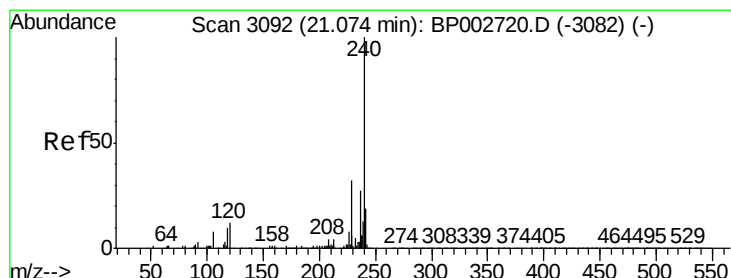
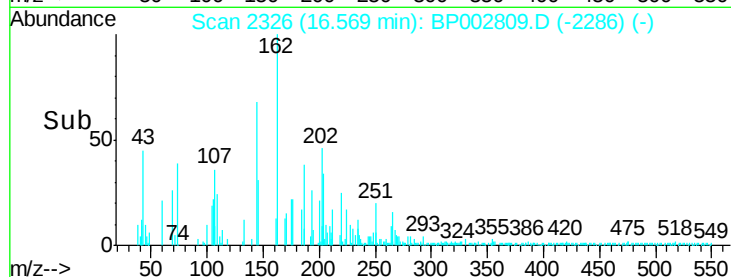
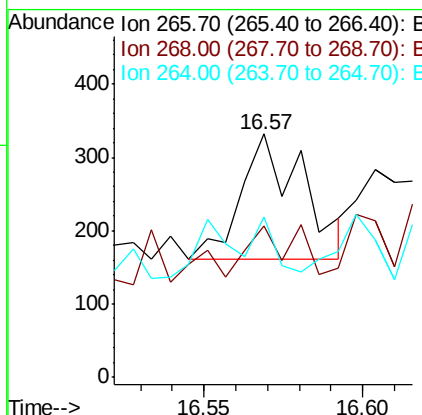
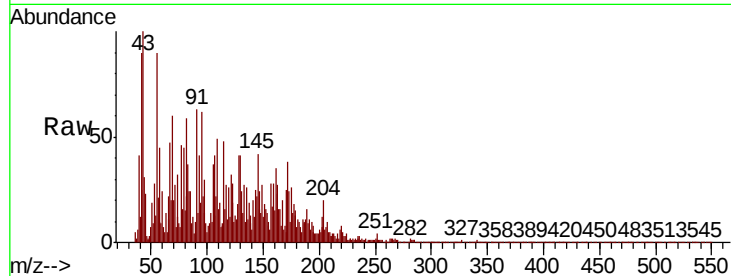




#70
 Pentachlorophenol
 Concen: 7.513 ng
 RT: 16.57 min Scan# 2326
 Delta R.T. -0.06 min
 Lab File: BP002809.D
 Acq: 21 Jul 2020 11:41

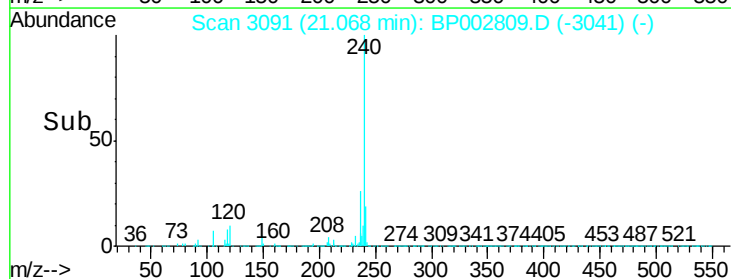
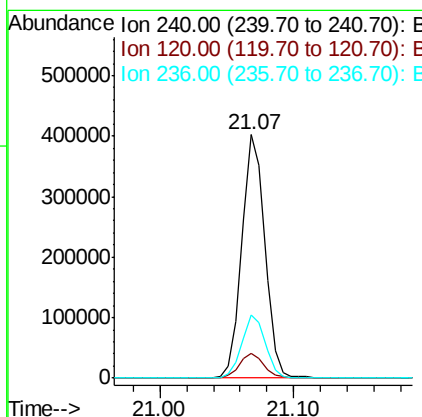
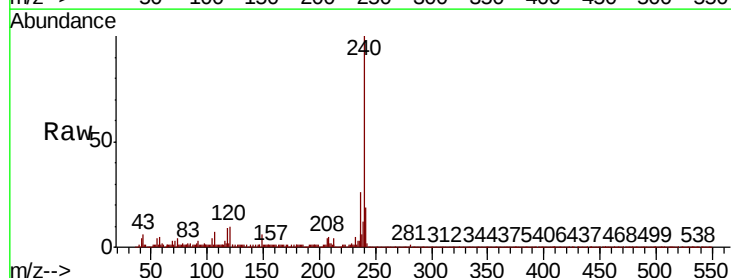
Instrument :
 BNA_P
 ClientSampled :
 LT-4

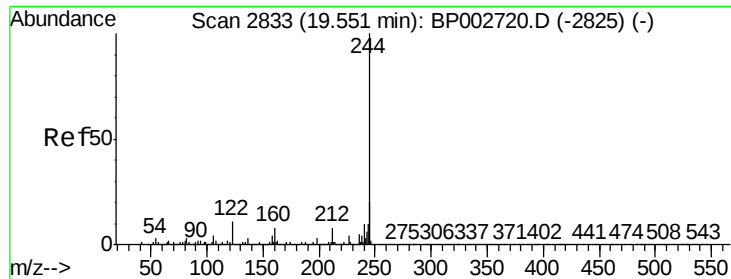
Tot Ion	Ratio	Lower	Upper
266	100		
268	62.0	50.6	75.8
264	65.7	48.6	72.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.07 min Scan# 3091
 Delta R.T. -0.01 min
 Lab File: BP002809.D
 Acq: 21 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.4	14.2
236	25.7	21.3	31.9





#79

Terphenyl-d14

Concen: 78.073 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

Instrument :

BNA_P

ClientSampleId :

LT-4

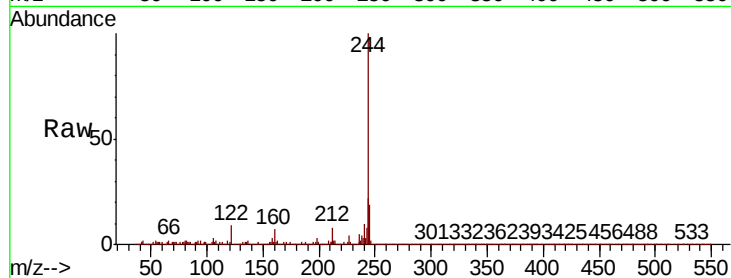
Tot Ion:244 Resp: 1629155

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

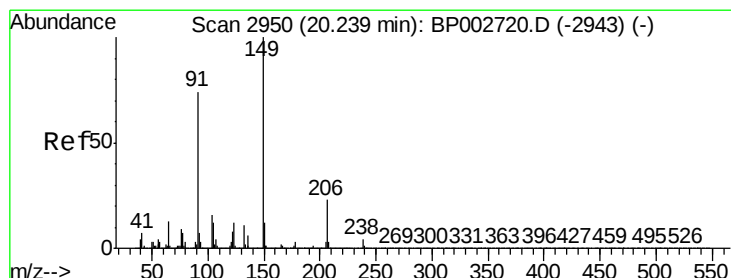
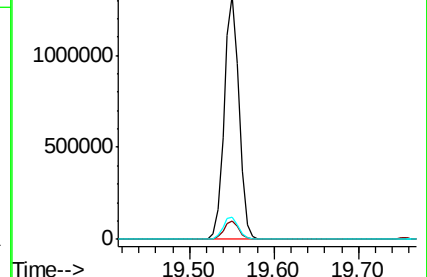
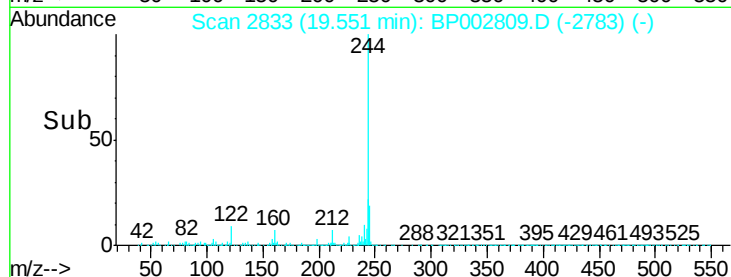
122 9.2 8.9 13.3



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



#80

Butylbenzylphthalate

Concen: 6.323 ng

RT: 20.19 min Scan# 2942

Delta R.T. -0.05 min

Lab File: BP002809.D

Acq: 21 Jul 2020 11:41

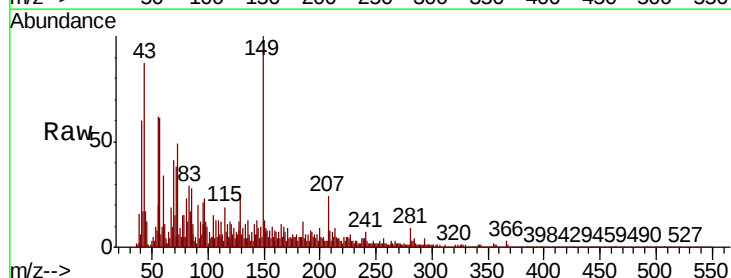
Tgt Ion:149 Resp: 82423

Ion Ratio Lower Upper

149 100

91 20.3 59.4 89.2#

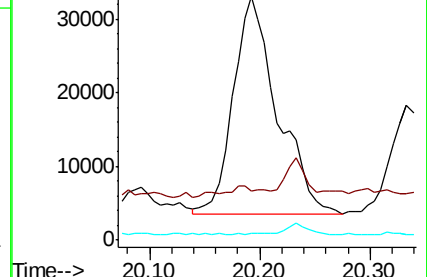
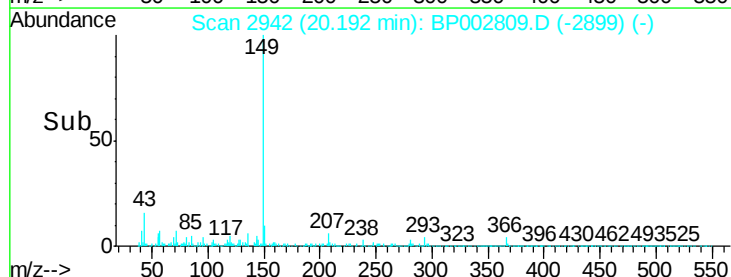
206 2.7 18.3 27.5#

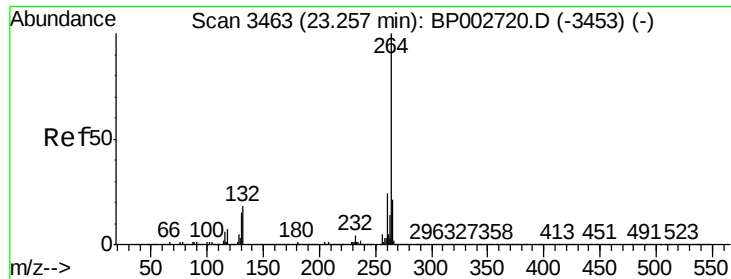


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

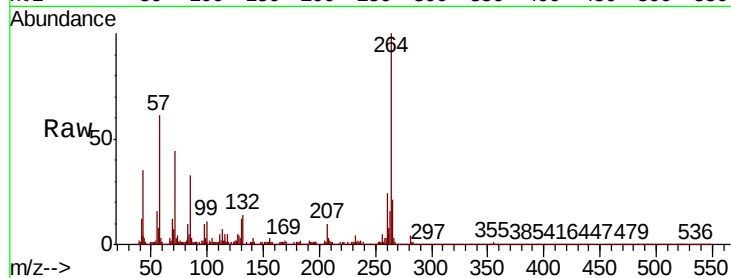




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.26 min Scan# 3463
Delta R.T. -0.01 min
Lab File: BP002809.D
Acq: 21 Jul 2020 11:41

Instrument :
BNA_P
ClientSampleId :
LT-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	21.2	16.8	25.2



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

