

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090220\
 Data File : BP003184.D
 Acq On : 02 Sep 2020 13:38
 Operator : CG/JU
 Sample : L3848-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LINDEN-BH-03-C

Quant Time: Sep 02 15:07:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	225519	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	920187	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	571098	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1243021	20.00	ng	0.00
76) Chrysene-d12	21.14	240	1171185	20.00	ng	0.00
86) Perylene-d12	23.38	264	1192847	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	826433	64.79	ng	0.00
7) Phenol-d6	6.84	99	1012106	63.30	ng	0.00
23) Nitrobenzene-d5	8.80	82	593860	46.53	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	507834	65.75	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	1730342	44.37	ng	0.00
79) Terphenyl-d14	19.63	244	2555386	48.01	ng	0.00

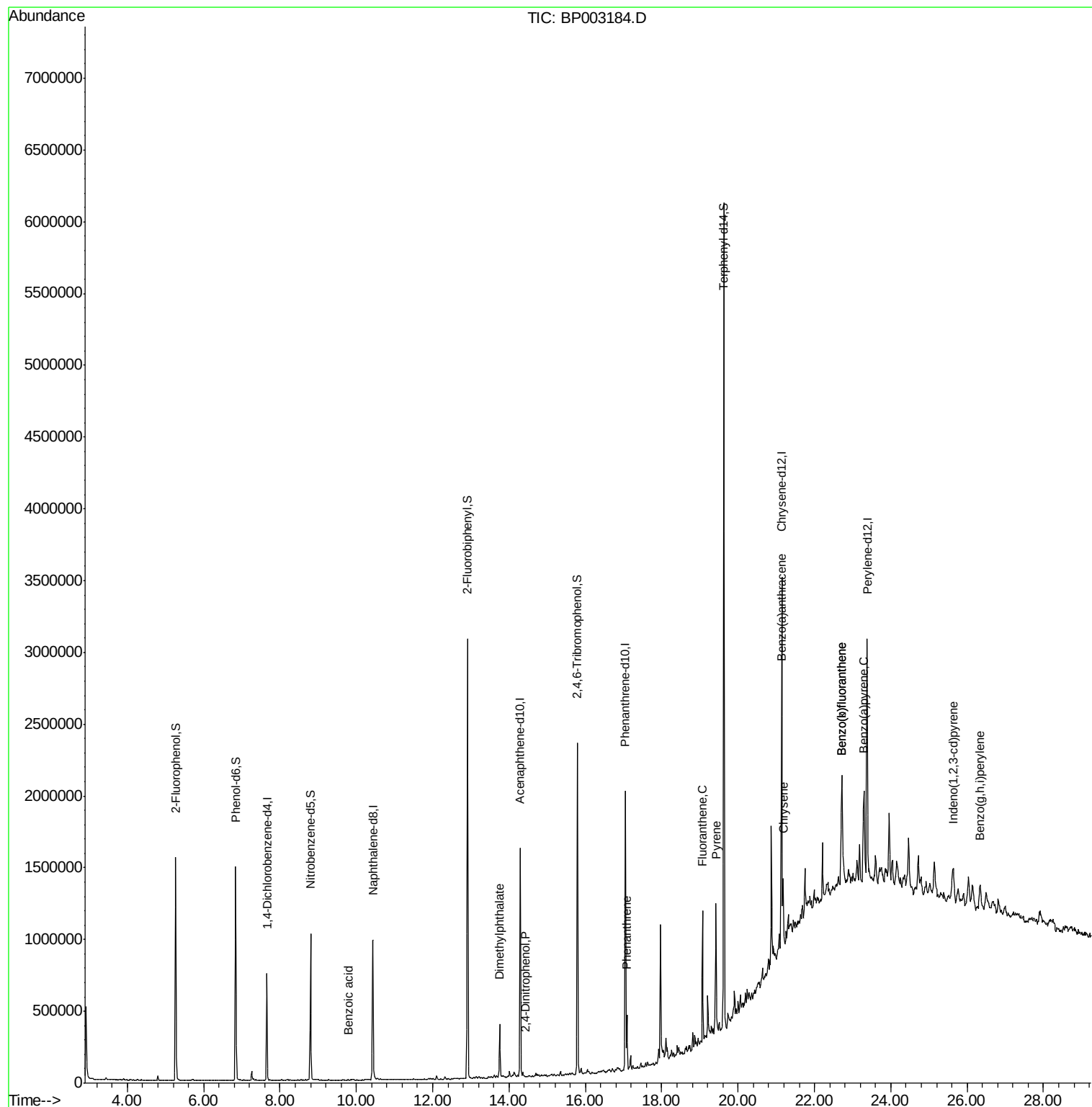
Target Compounds				Qvalue		
32) Benzoic acid	9.77	122	91	9.005	ng	# 61
50) Dimethylphthalate	13.75	163	263482	6.050	ng	100
54) 2,4-Dinitrophenol	14.41	184	60	7.766	ng	# 1
71) Phenanthrene	17.09	178	229489	3.407	ng	98
75) Fluoranthene	19.07	202	535065	6.873	ng	100
78) Pyrene	19.42	202	565006	7.433	ng	99
81) Benzo(a)anthracene	21.13	228	311517	4.246	ng	97
83) Chrysene	21.18	228	282749	4.025	ng	97
87) Indeno(1,2,3-cd)pyrene	25.64	276	184357	2.072	ng	97
88) Benzo(b)fluoranthene	22.70	252	470965	6.352	ng	# 89
89) Benzo(k)fluoranthene	22.70	252	470965	6.649	ng	# 89
90) Benzo(a)pyrene	23.28	252	259649	3.775	ng	# 89
92) Benzo(a,h,i)perylene	26.34	276	193097	2.633	ng	94

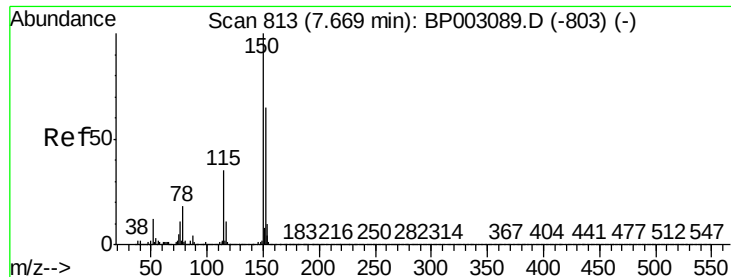
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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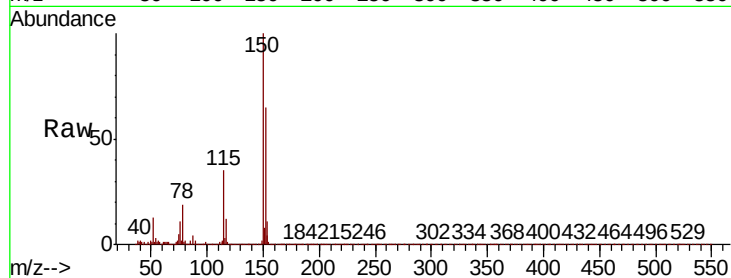


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-03-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.8	185.6
115	54.9	43.8	65.6

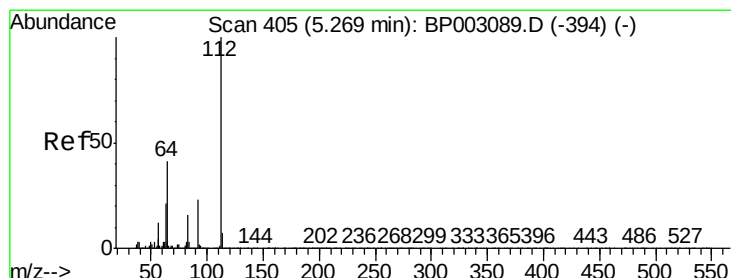
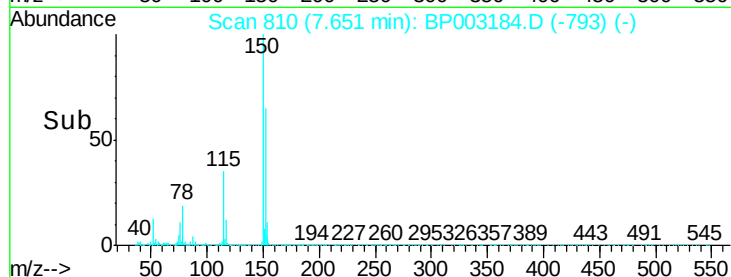
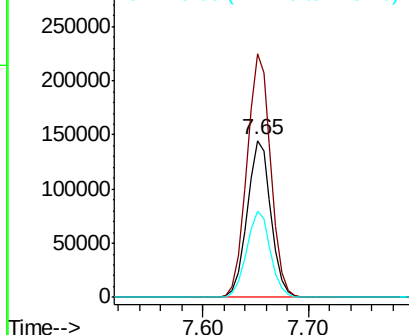


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

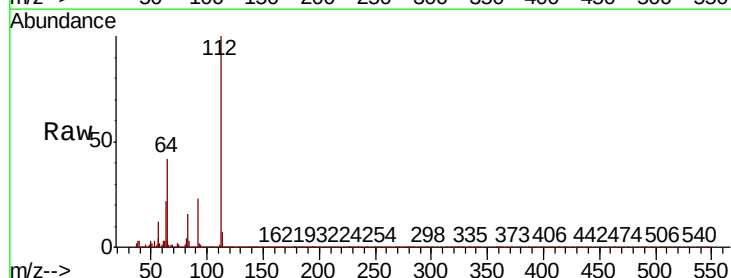
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 64.791 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.6	32.8	49.2
63	21.8	17.0	25.4

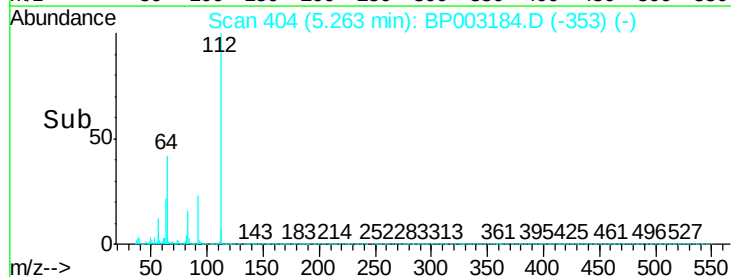
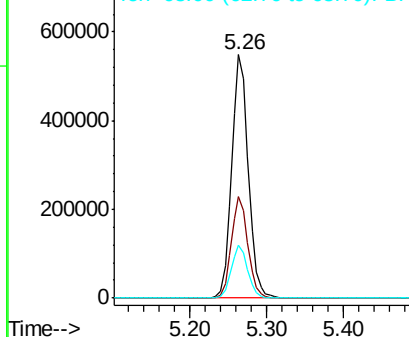


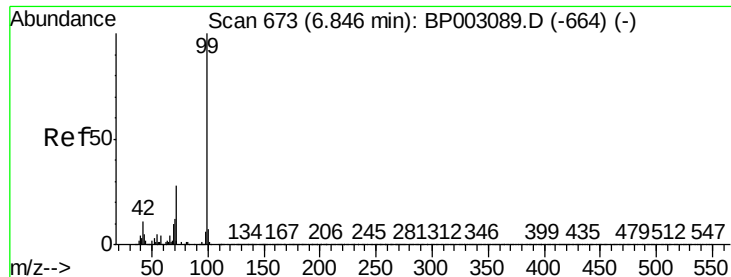
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 63.297 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

Instrument :

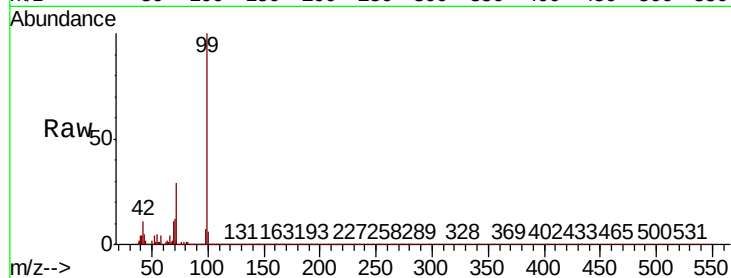
BNA_P

ClientSampleId :

LINDEN-BH-03-C

Tot Ion: 99 Resp: 1012106

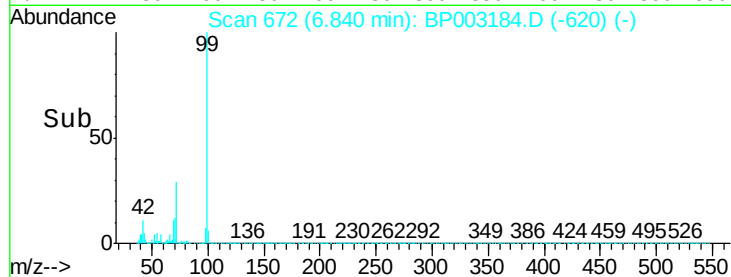
Ion	Ratio	Lower	Upper
99	100		
42	11.1	8.6	13.0
71	28.8	23.4	35.2



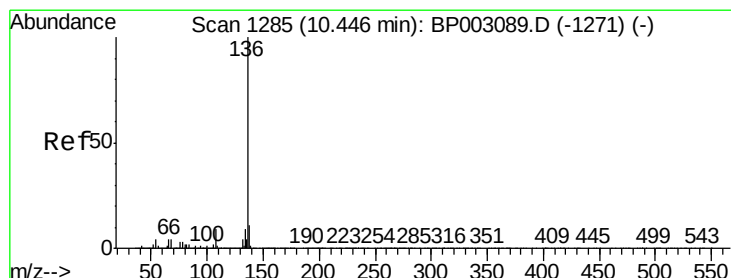
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1283

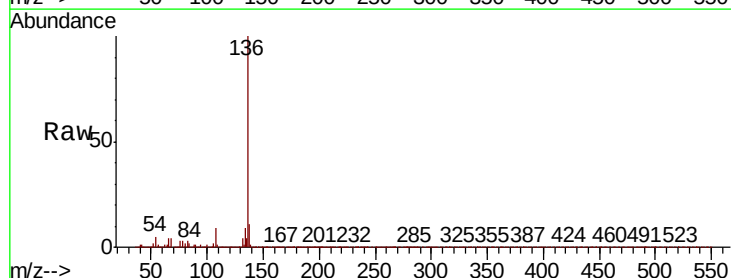
Delta R.T. -0.00 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

Tgt Ion: 136 Resp: 920187

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	4.6	3.6	5.4
68	4.4	3.3	4.9

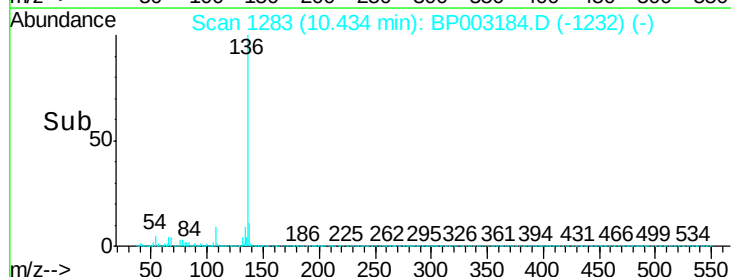


Abundance Ion 136.00 (135.70 to 136.70): E

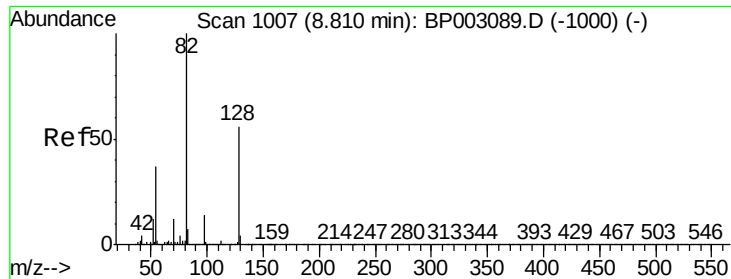
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



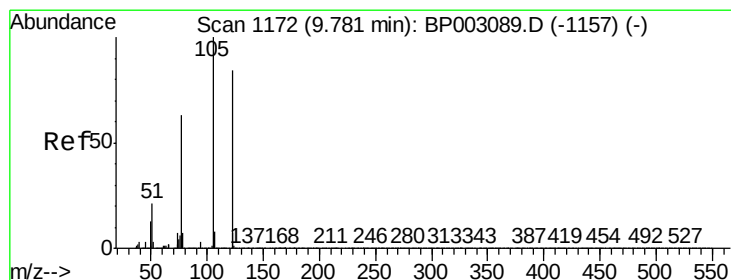
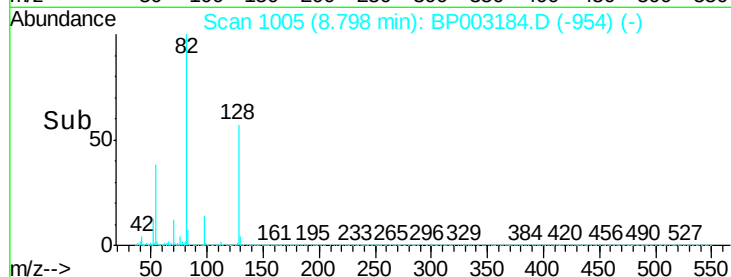
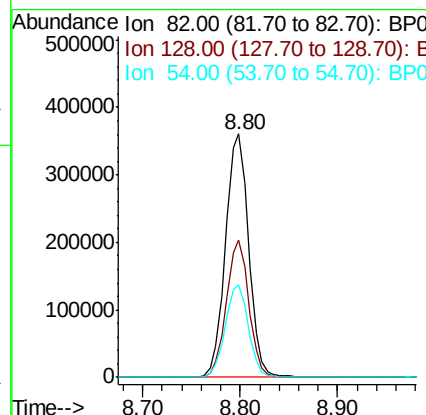
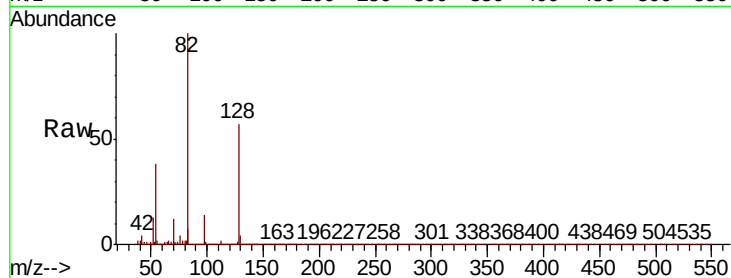
Time-->



#23
 Nitrobenzene-d5
 Concen: 46.525 ng
 RT: 8.80 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BP003184.D
 Acq: 02 Sep 2020 13:38

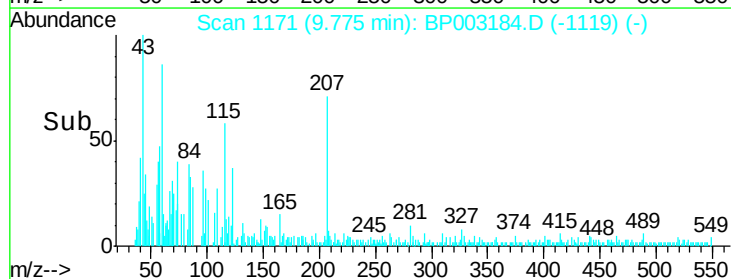
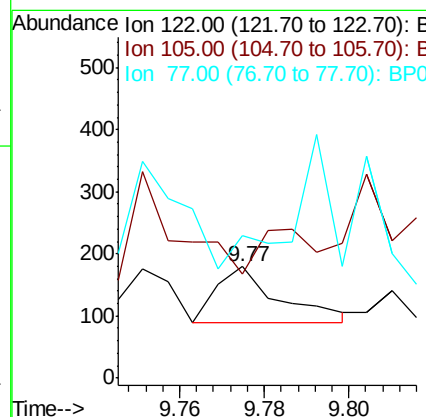
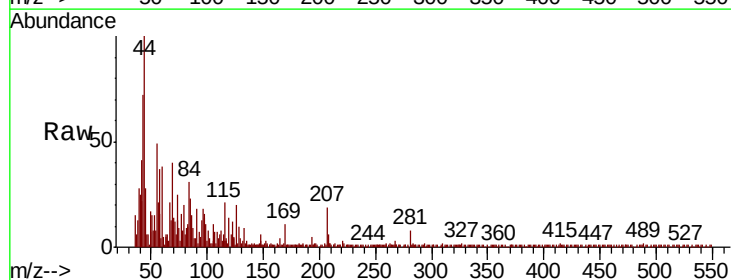
Instrument :
 BNA_P
 ClientSampleId :
 LINDEN-BH-03-C

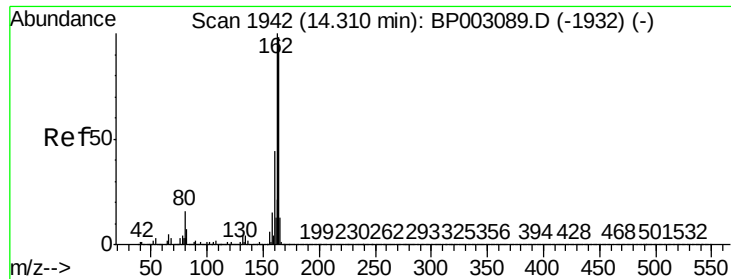
Tot Ion	82	Resp	593860
Ion Ratio	Lower	Upper	
82	100		
128	56.5	45.6	68.4
54	38.1	30.1	45.1



#32
 Benzoic acid
 Concen: 9.005 ng
 RT: 9.77 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: BP003184.D
 Acq: 02 Sep 2020 13:38

Tgt Ion	122	Resp	91
Ion Ratio	Lower	Upper	
122	100		
105	93.3	94.1	134.1#
77	127.9	50.1	90.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-03-C

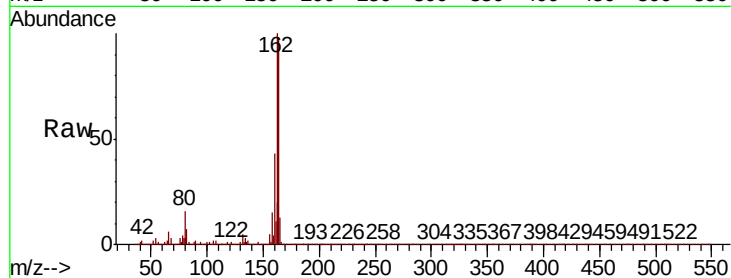
Tot Ion:164 Resp: 571098

Ion Ratio Lower Upper

164 100

162 102.1 79.4 119.2

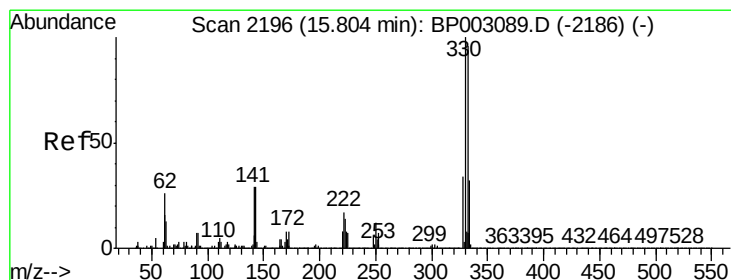
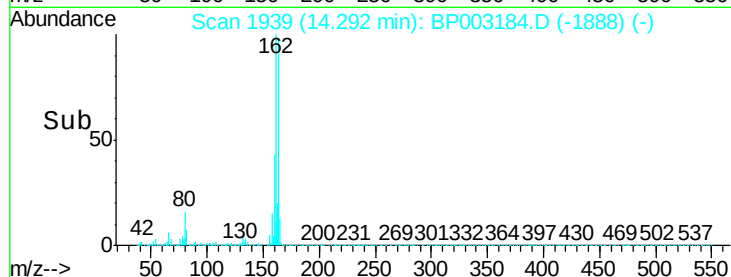
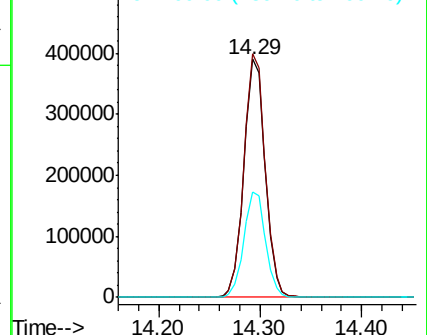
160 44.2 36.1 54.1



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



#42

2,4,6-Tribromophenol

Concen: 65.748 ng

RT: 15.79 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

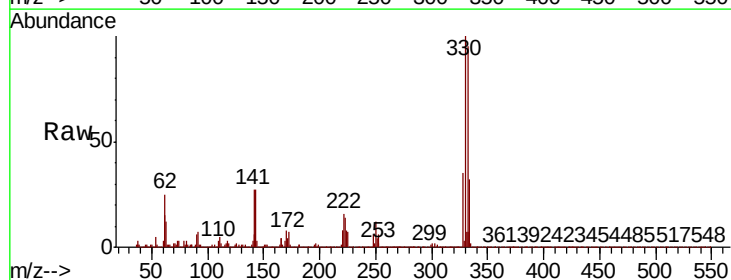
Tgt Ion:330 Resp: 507834

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

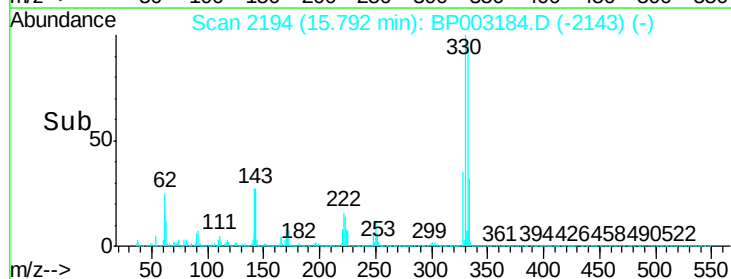
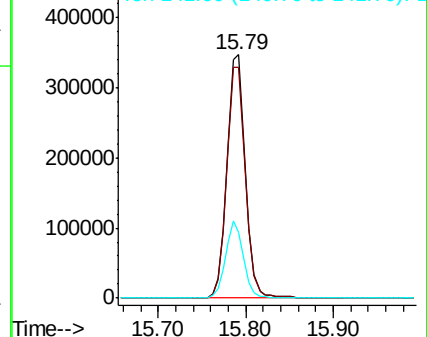
141 30.3 23.4 35.2

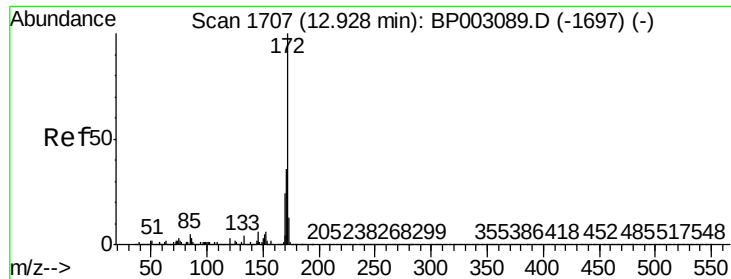


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



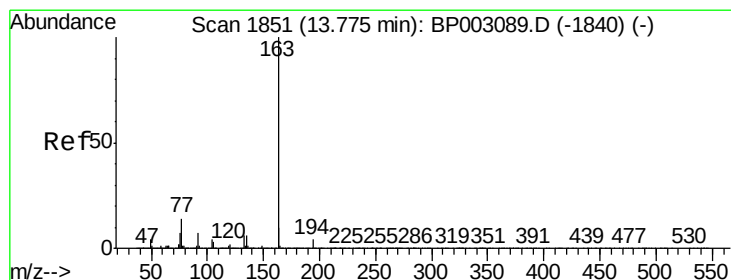
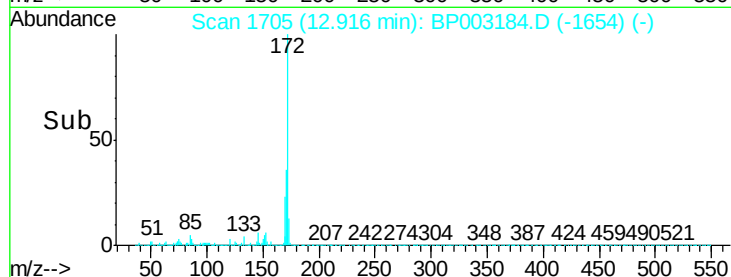
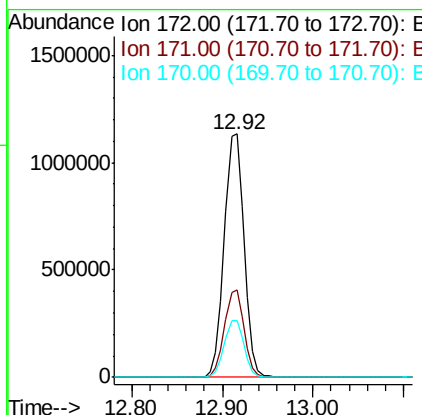
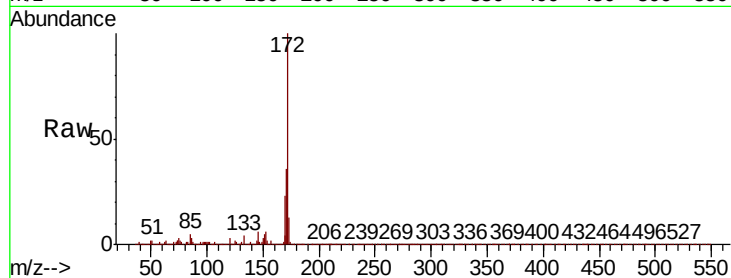


#45
2-Fluorobiphenyl
Concen: 44.371 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-03-C

Tot Ion:172 Resp: 1730342

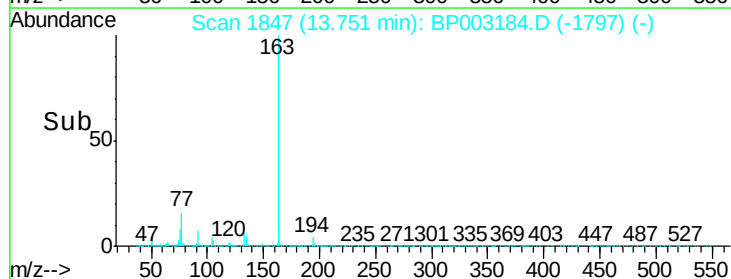
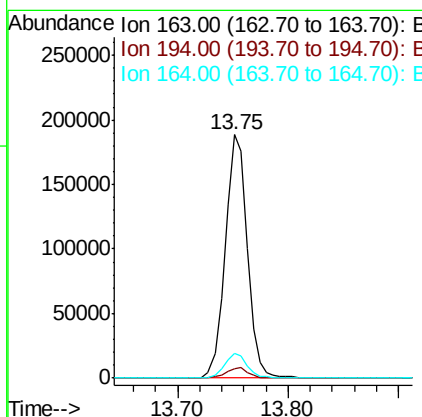
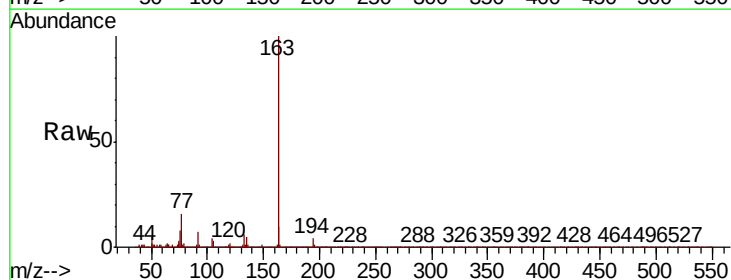
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	23.5	19.2	28.8

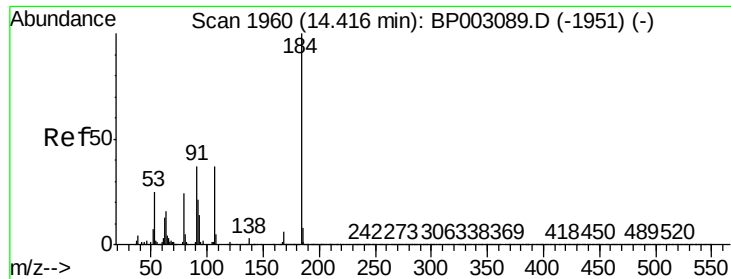


#50
Dimethylphthalate
Concen: 6.050 ng
RT: 13.75 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

Tgt Ion:163 Resp: 263482

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.2

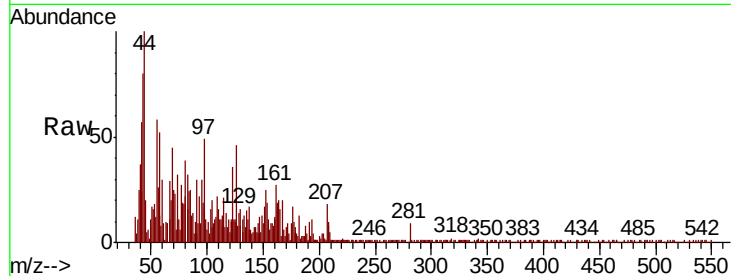




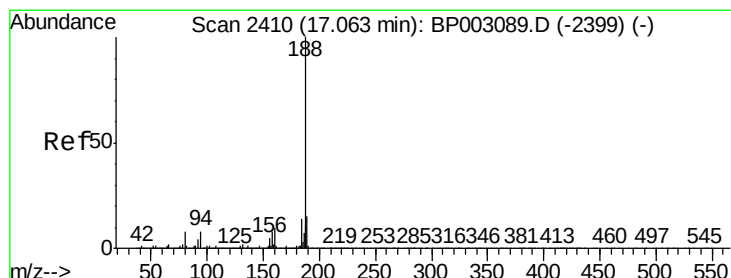
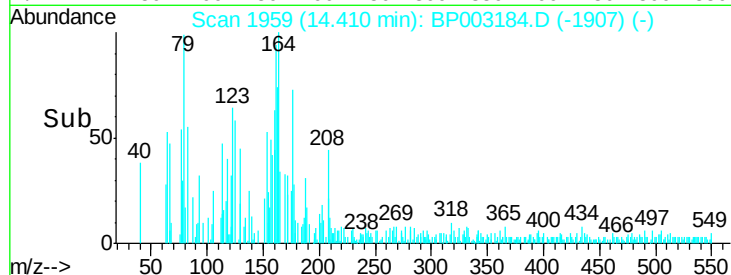
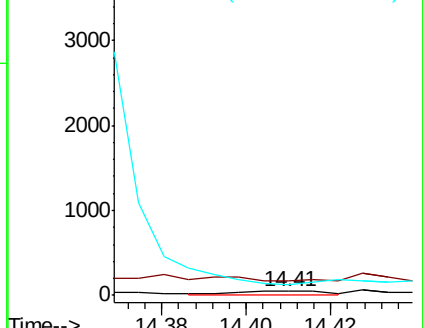
#54
2,4-Dinitrophenol
Concen: 7.766 ng
RT: 14.41 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-03-C

Tot Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 364.6 32.3 48.5#
154 256.3 49.1 73.7#

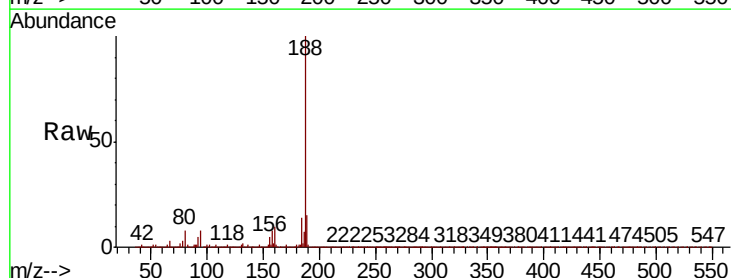


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BP0
Ion 154.00 (153.70 to 154.70): E

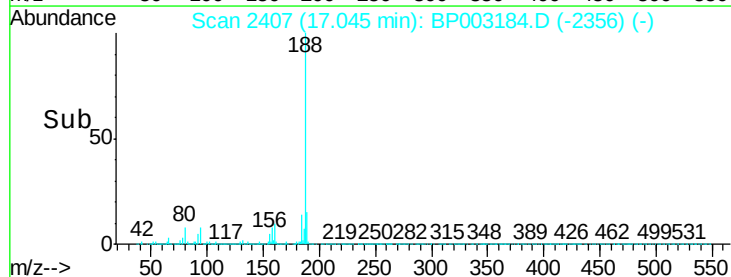
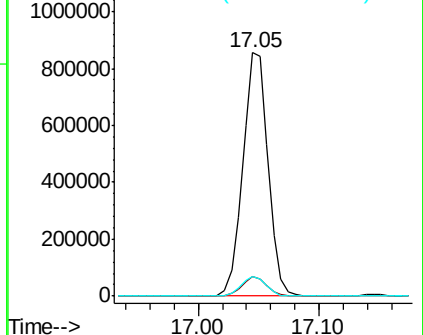


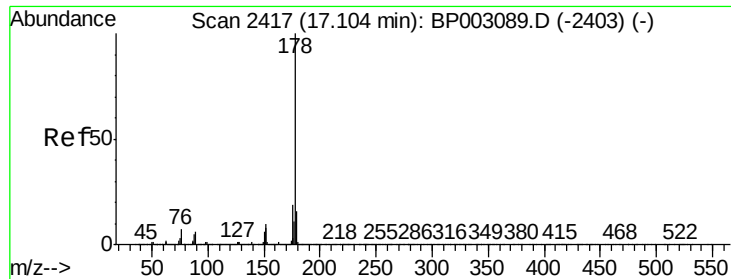
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

Tgt Ion:188 Resp: 1243021
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.0 6.2 9.2



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





#71

Phenanthrene

Concen: 3.407 ng

RT: 17.09 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

Instrument :

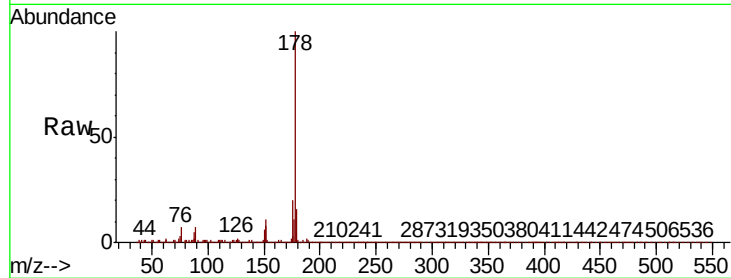
BNA_P

ClientSampleId :

LINDEN-BH-03-C

Tot Ion:178 Resp: 229489

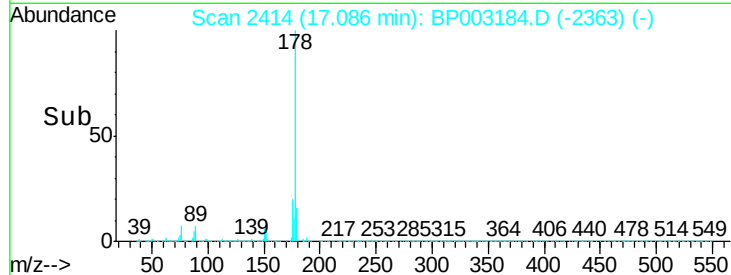
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.3	22.9
179	16.1	12.5	18.7



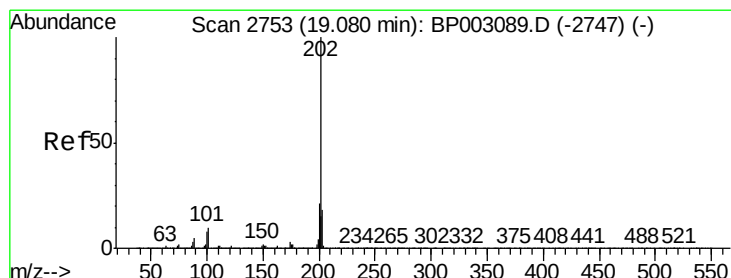
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 6.873 ng

RT: 19.07 min Scan# 2751

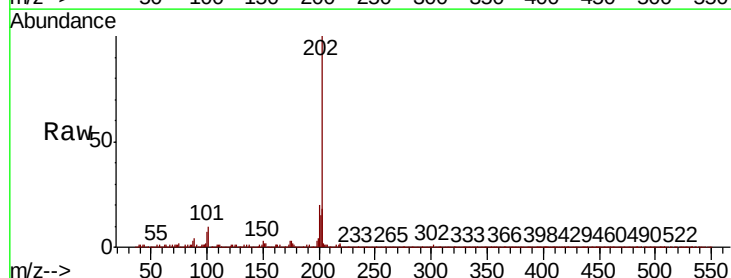
Delta R.T. -0.00 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

Tgt Ion:202 Resp: 535065

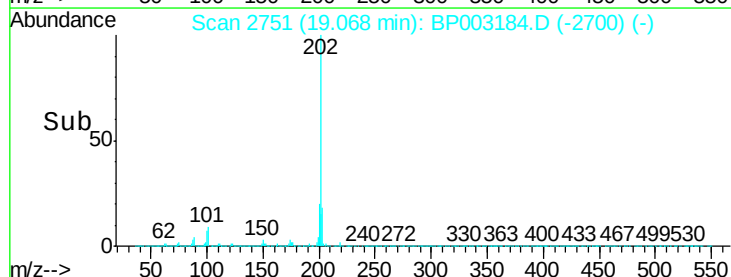
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.4
203	17.7	0.0	37.8



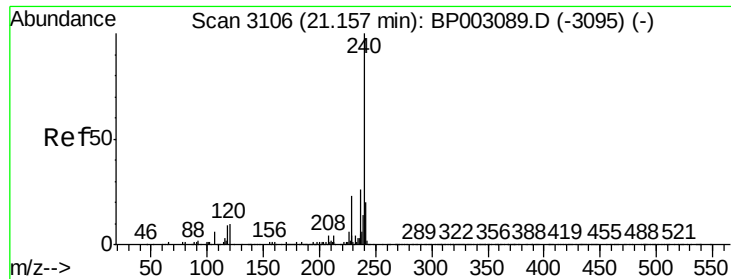
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



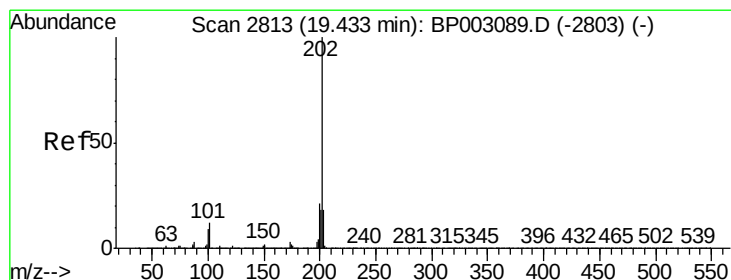
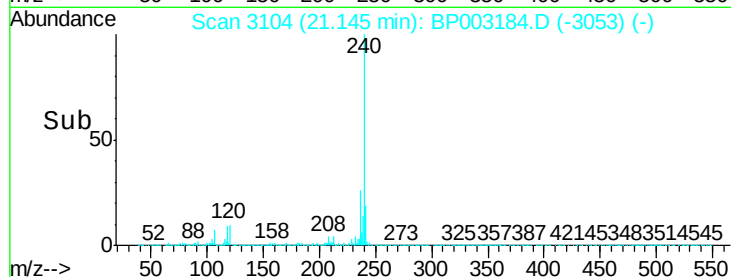
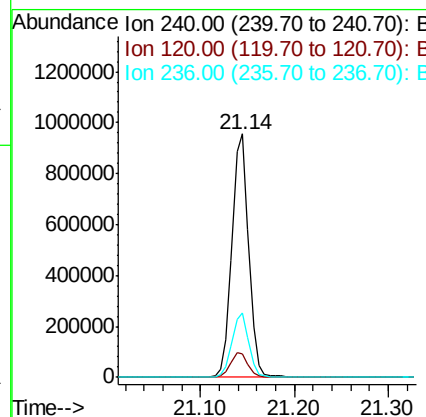
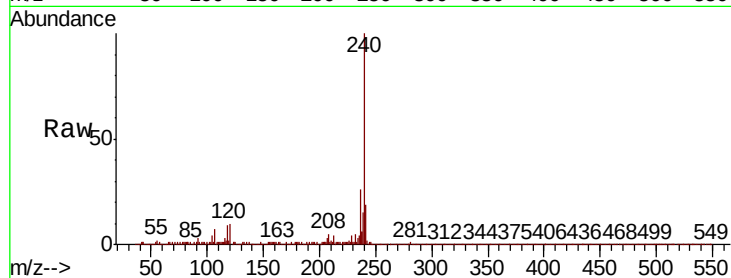
Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

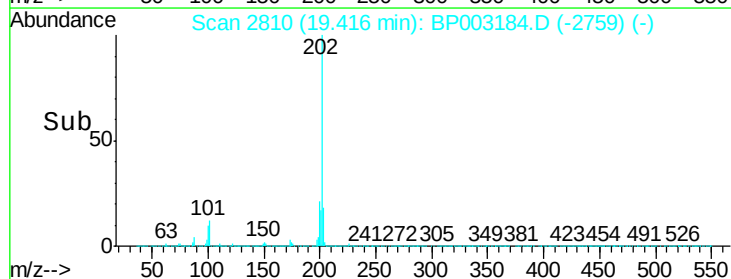
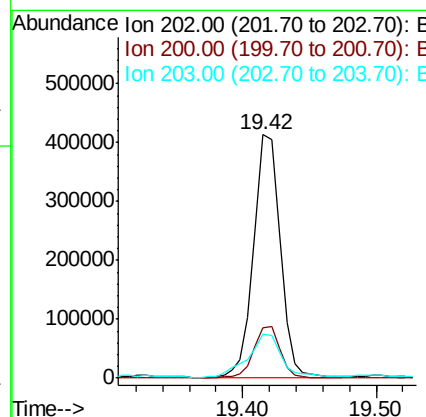
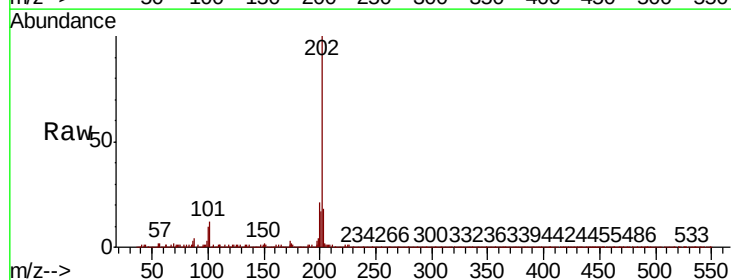
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-03-C

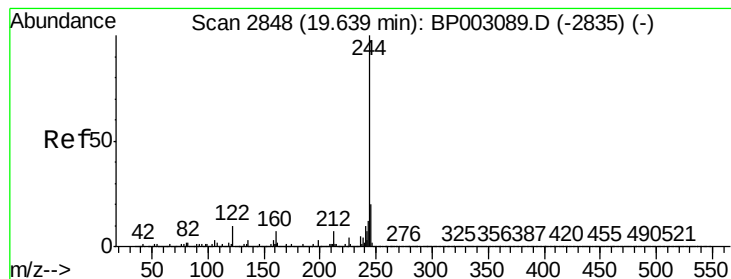
Tot Ion:240 Resp: 1171185
Ion Ratio Lower Upper
240 100
120 9.8 7.8 11.6
236 26.3 20.8 31.2



#78
Pyrene
Concen: 7.433 ng
RT: 19.42 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

Tgt Ion:202 Resp: 565006
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.2 14.2 21.2





#79

Terphenyl-d14

Concen: 48.011 ng

RT: 19.63 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-03-C

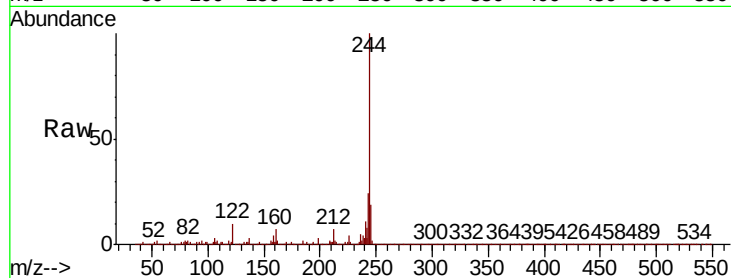
Tot Ion:244 Resp: 2555386

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

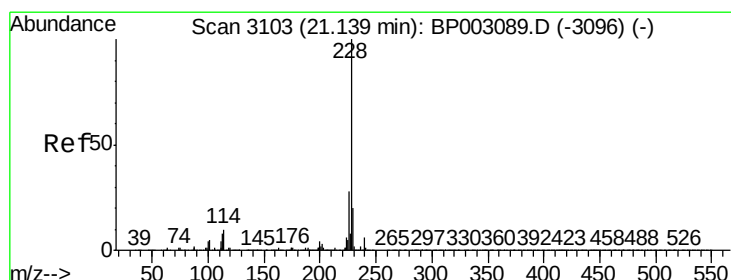
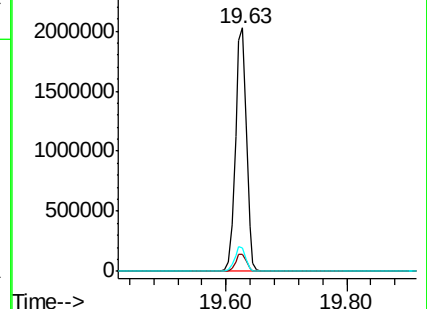
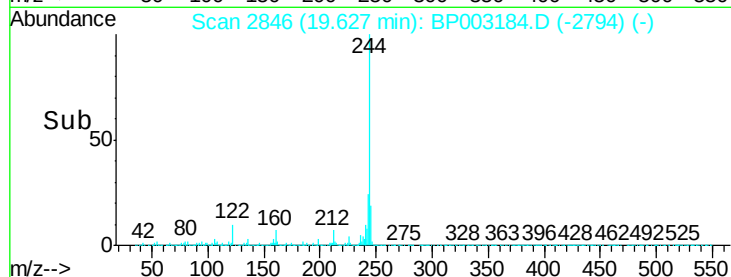
122 9.7 7.8 11.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.246 ng

RT: 21.13 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

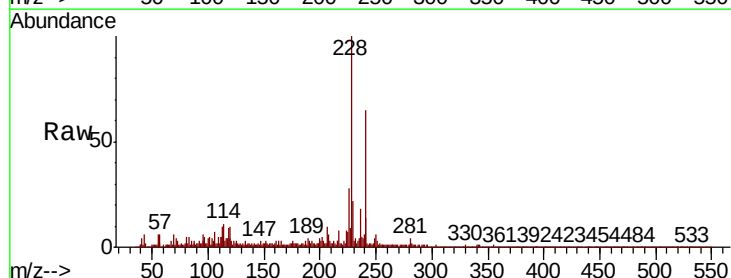
Tgt Ion:228 Resp: 311517

Ion Ratio Lower Upper

228 100

226 28.3 22.1 33.1

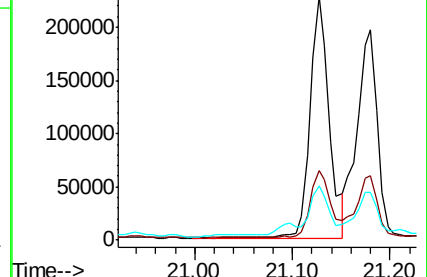
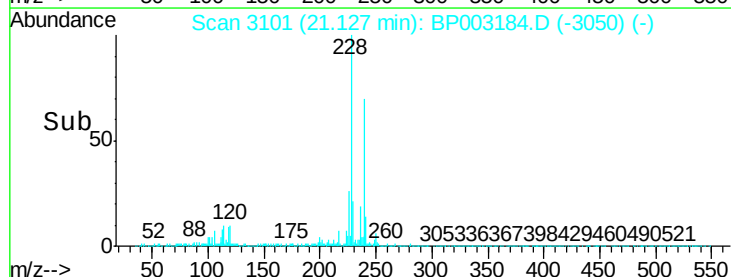
229 22.1 15.9 23.9

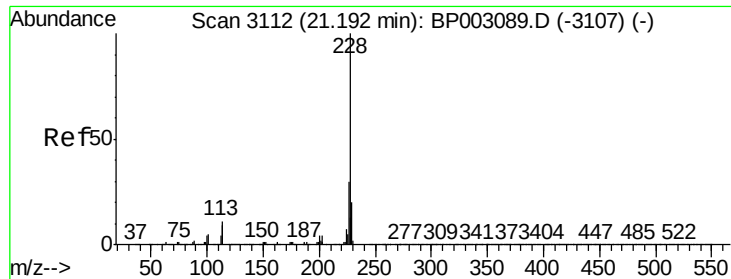


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

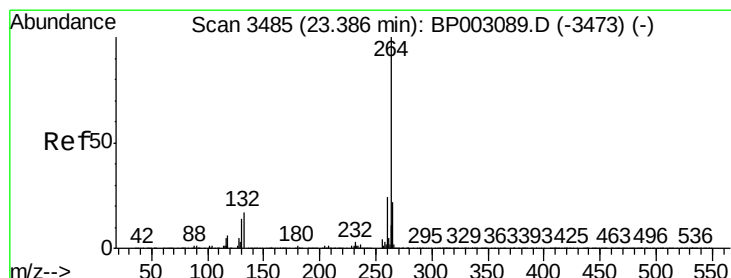
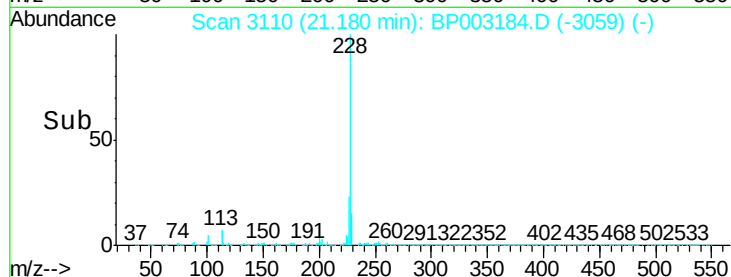
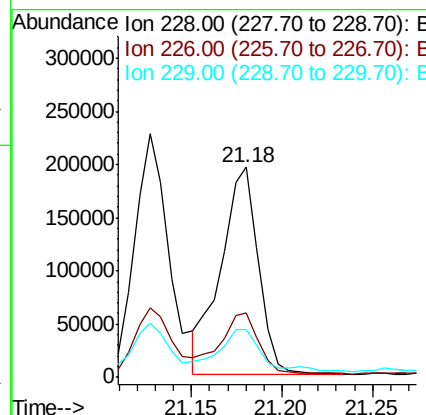
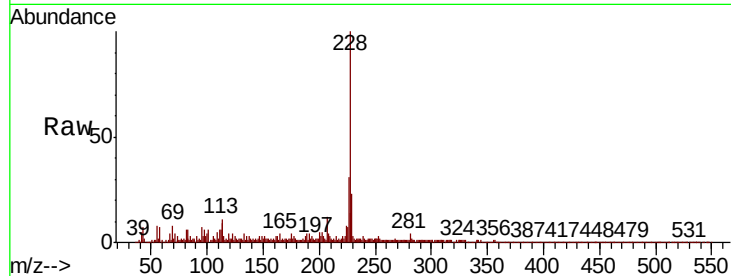




#83
Chrysene
Concen: 4.025 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

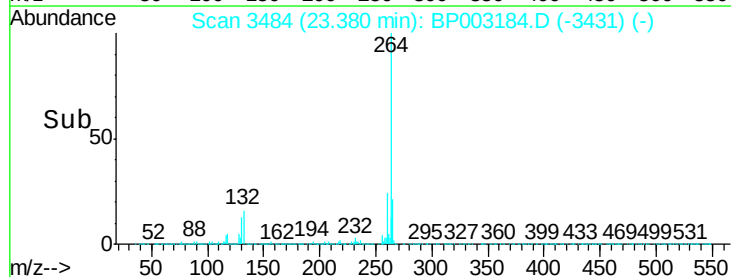
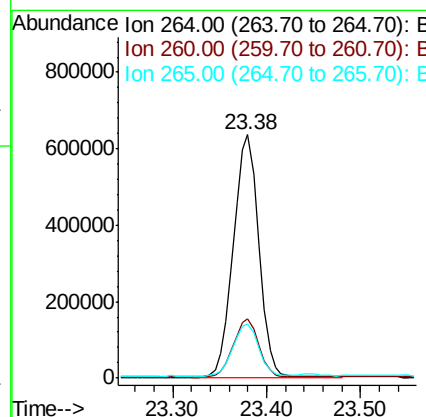
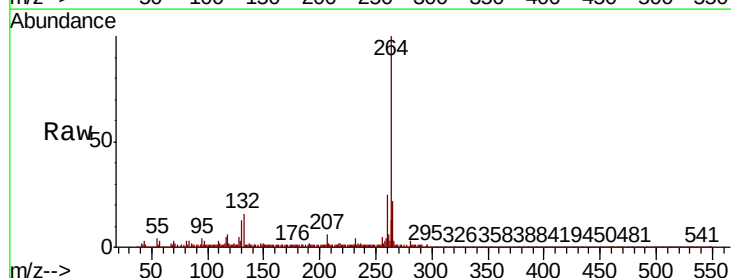
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-03-C

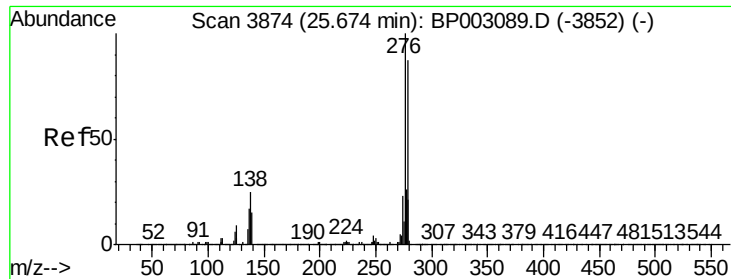
Tot Ion:228 Resp: 282749
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.9 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003184.D
Acq: 02 Sep 2020 13:38

Tgt Ion:264 Resp: 1192847
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 22.0 17.4 26.2

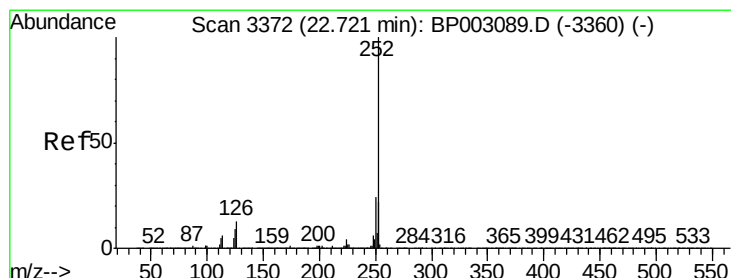
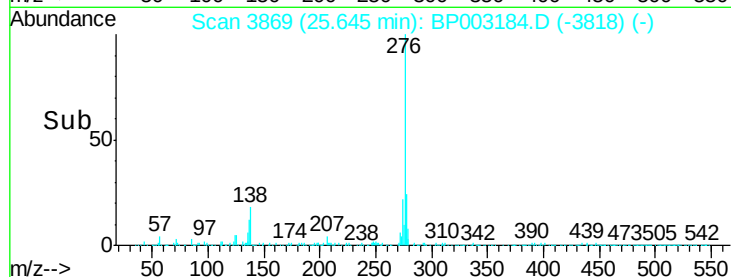
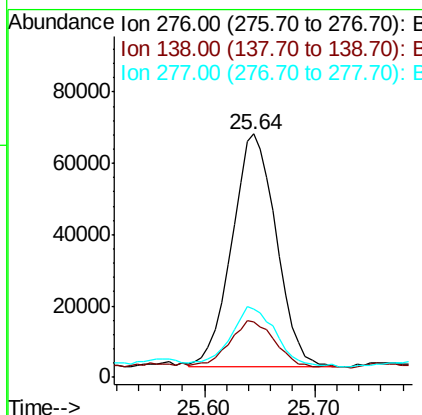
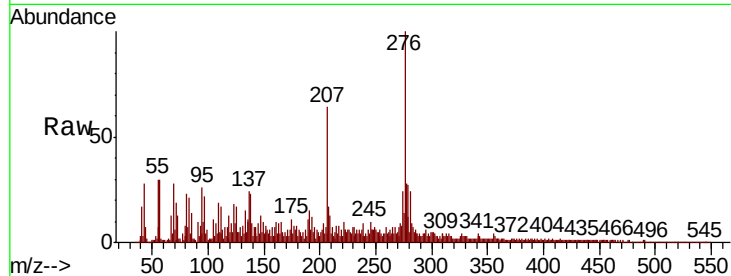




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.072 ng
 RT: 25.64 min Scan# 3869
 Delta R.T. -0.00 min
 Lab File: BP003184.D
 Acq: 02 Sep 2020 13:38

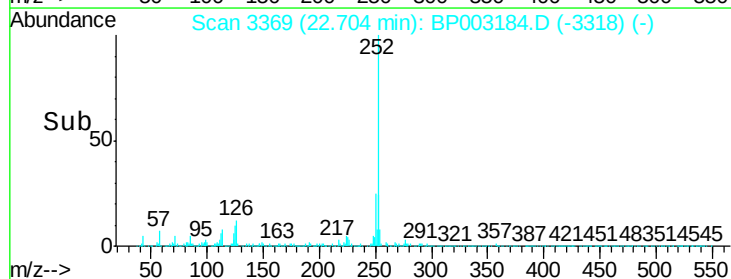
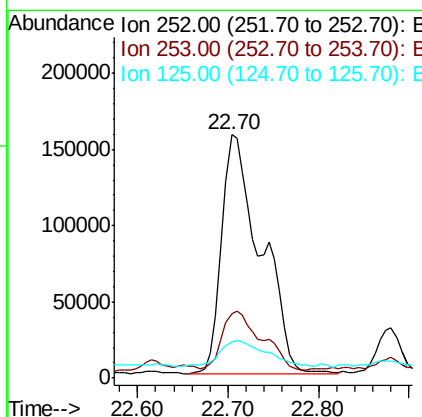
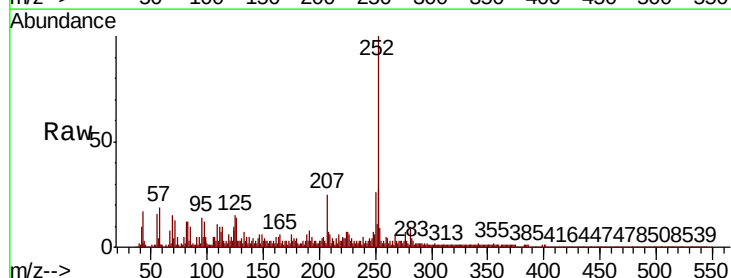
Instrument :
 BNA_P
 ClientSampleId :
 LINDEN-BH-03-C

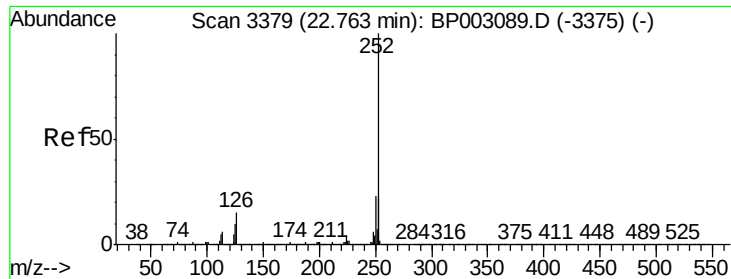
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	18.7	28.1
277	25.5	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 6.352 ng
 RT: 22.70 min Scan# 3369
 Delta R.T. -0.00 min
 Lab File: BP003184.D
 Acq: 02 Sep 2020 13:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.6	26.4#
125	14.8	7.3	10.9#





#89

Benzo(k)fluoranthene

Concen: 6.649 ng

RT: 22.70 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-03-C

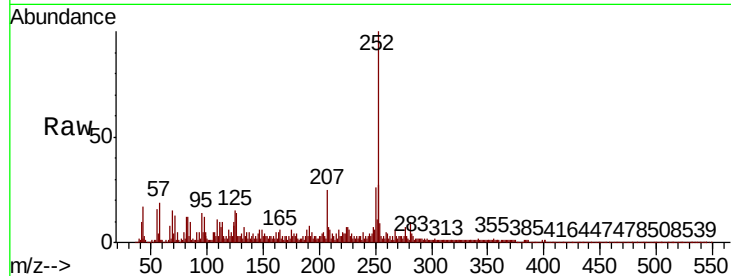
Tot Ion:252 Resp: 470965

Ion Ratio Lower Upper

252 100

253 26.6 17.8 26.8

125 14.8 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.70

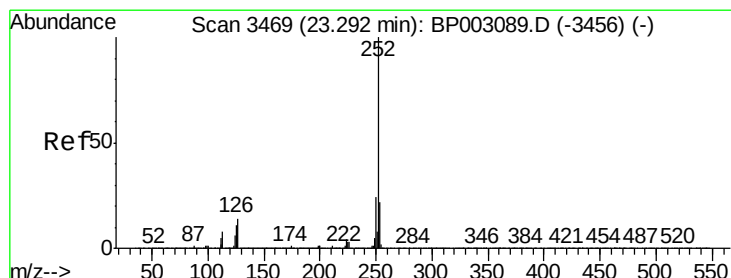
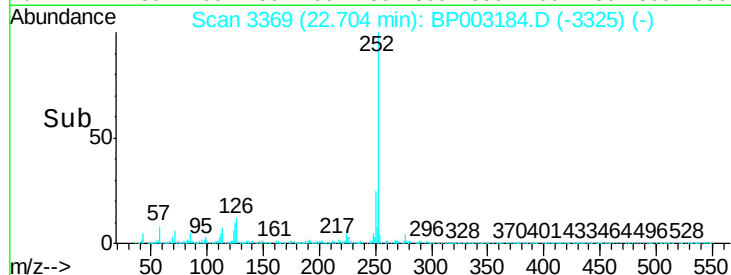
150000

100000

50000

0

Time-->



#90

Benzo(a)pyrene

Concen: 3.775 ng

RT: 23.28 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

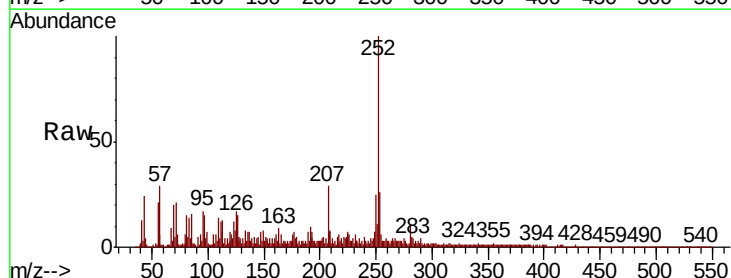
Tgt Ion:252 Resp: 259649

Ion Ratio Lower Upper

252 100

253 25.7 17.4 26.0

125 16.8 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

23.28

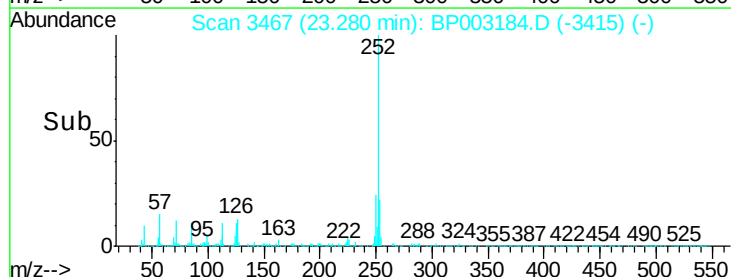
150000

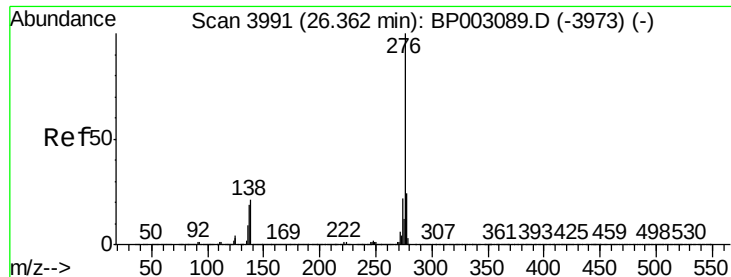
100000

50000

0

Time-->





#92

Benzo(a,h,i)perylene

Concen: 2.633 ng

RT: 26.34 min Scan# 3988

Delta R.T. 0.01 min

Lab File: BP003184.D

Acq: 02 Sep 2020 13:38

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-03-C

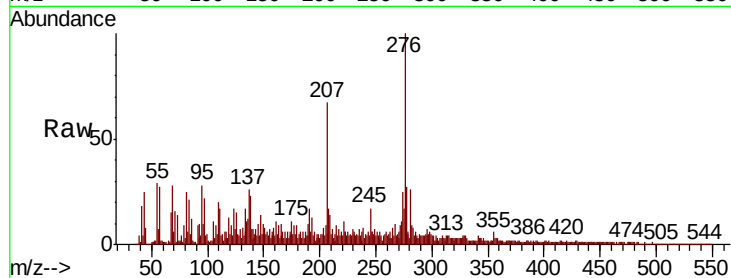
Tot Ion: 276 Resp: 193097

Ion Ratio Lower Upper

276 100

277 27.3 19.0 28.6

138 23.1 16.6 24.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

