

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090120\
 Data File : BP003170.D
 Acq On : 01 Sep 2020 16:59
 Operator : CG/JU
 Sample : L3848-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LINDEN-BH-02-B

Quant Time: Sep 01 17:52:51 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	149479	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	607603	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	390300	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	874766	20.00	ng	0.00
76) Chrysene-d12	21.14	240	1106456	20.00	ng	0.00
86) Perylene-d12	23.37	264	1404173	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	650719	76.97	ng	0.00
7) Phenol-d6	6.83	99	798726	75.36	ng	0.00
23) Nitrobenzene-d5	8.80	82	460861	54.68	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	422560	80.05	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	1408790	52.86	ng	0.00
79) Terphenyl-d14	19.62	244	2318504	46.11	ng	0.00

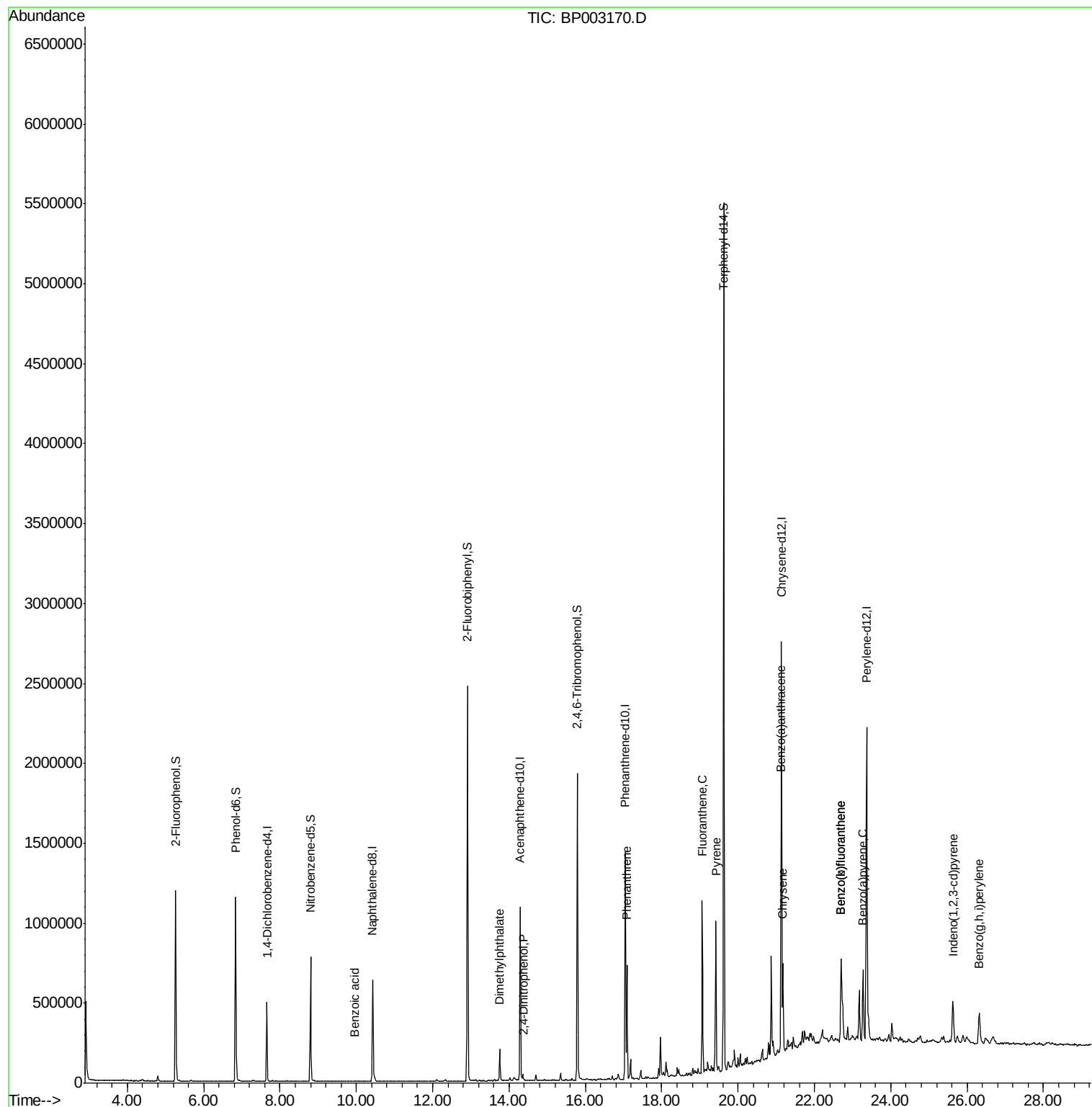
Target Compounds				Qvalue		
32) Benzoic acid	9.96	122	121	9.014	ng	85
50) Dimethylphthalate	13.75	163	149293	5.016	ng	100
54) 2,4-Dinitrophenol	14.39	184	24	7.761	ng	# 1
71) Phenanthrene	17.09	178	442037	9.326	ng	99
75) Fluoranthene	19.06	202	664132	12.123	ng	99
78) Pyrene	19.42	202	565753	7.878	ng	100
81) Benzo(a)anthracene	21.12	228	328352	4.738	ng	99
83) Chrysene	21.17	228	305452	4.603	ng	98
87) Indeno(1,2,3-cd)pyrene	25.63	276	237735	2.270	ng	97
88) Benzo(b)fluoranthene	22.70	252	597266	6.844	ng	98
89) Benzo(k)fluoranthene	22.70	252	597266	7.163	ng	98
90) Benzo(a)pyrene	23.27	252	329846	4.074	ng	99
92) Benzo(a,h,i)perylene	26.32	276	235436	2.727	ng	100

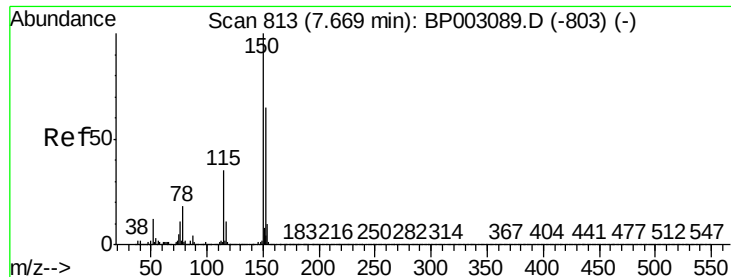
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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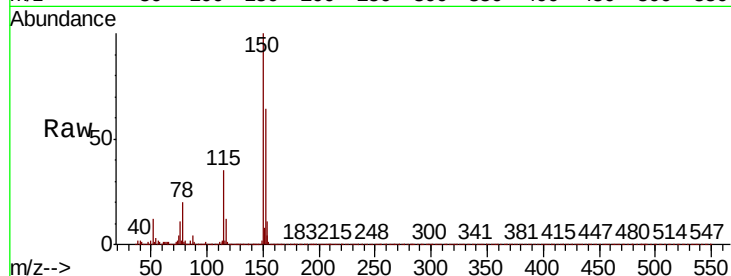


#1

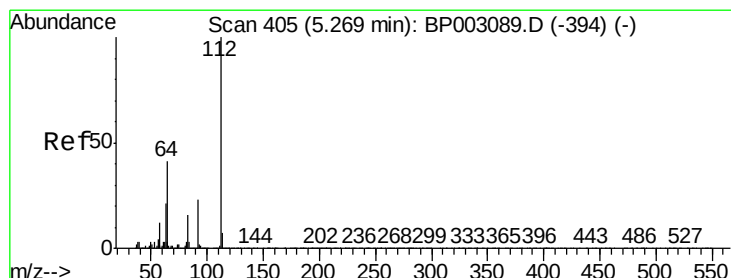
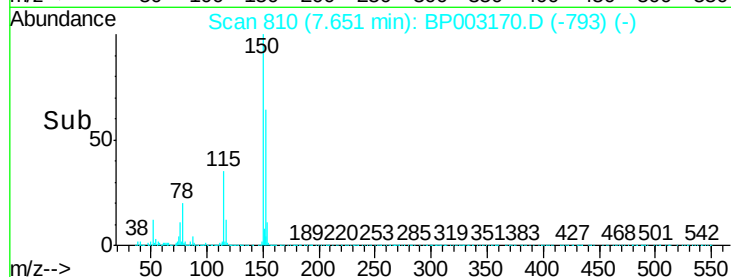
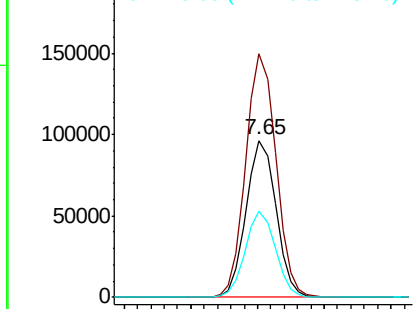
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-02-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.8	185.6
115	54.9	43.8	65.6



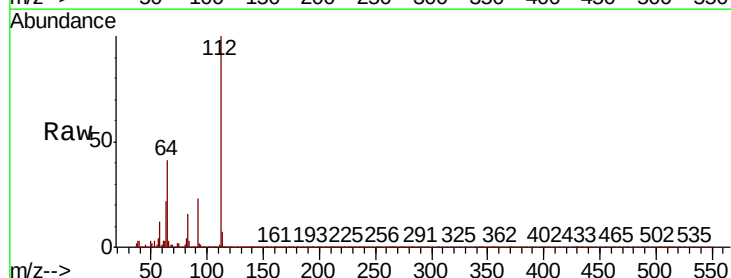
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



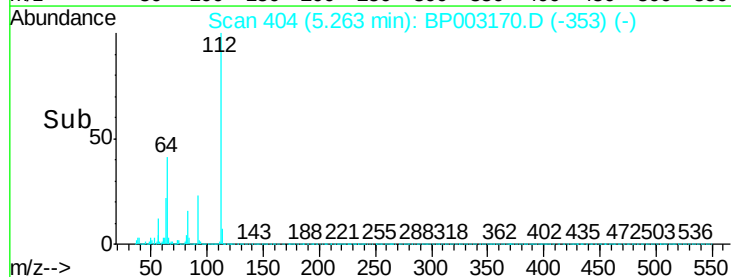
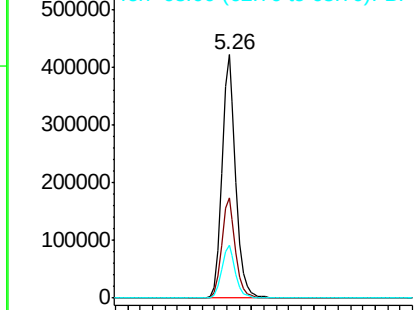
#5

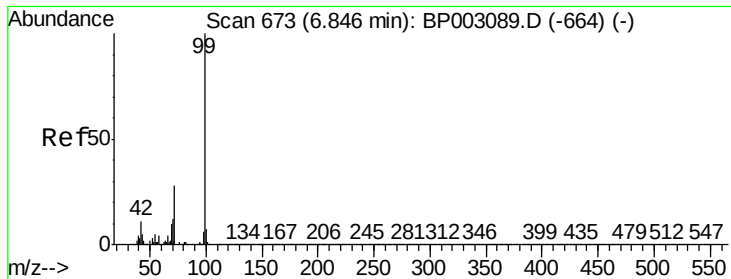
2-Fluorophenol
Concen: 76.967 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.0	32.8	49.2
63	21.9	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: 75.363 ng

RT: 6.83 min Scan# 671

Delta R.T. -0.00 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

Instrument :

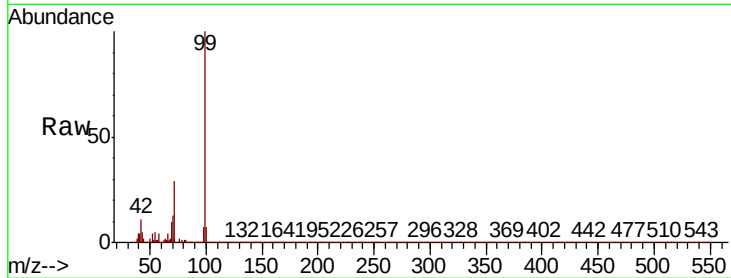
BNA_P

ClientSampleId :

LINDEN-BH-02-B

Tot Ion: 99 Resp: 798726

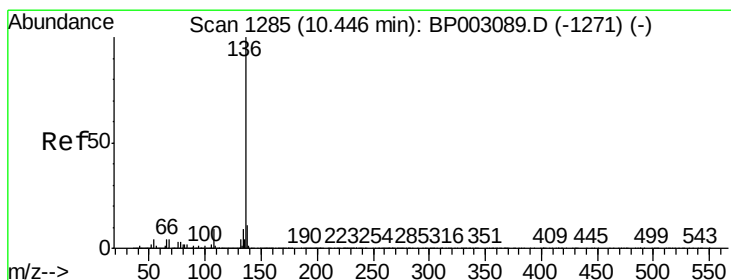
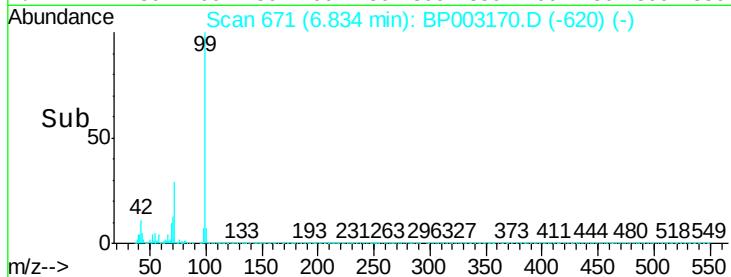
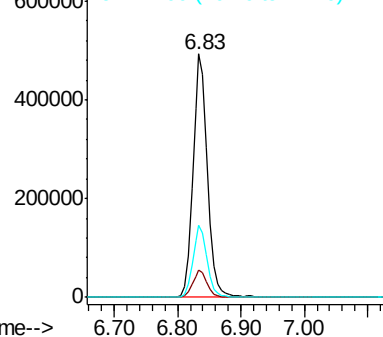
Ion	Ratio	Lower	Upper
99	100		
42	11.2	8.6	13.0
71	29.4	23.4	35.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1282

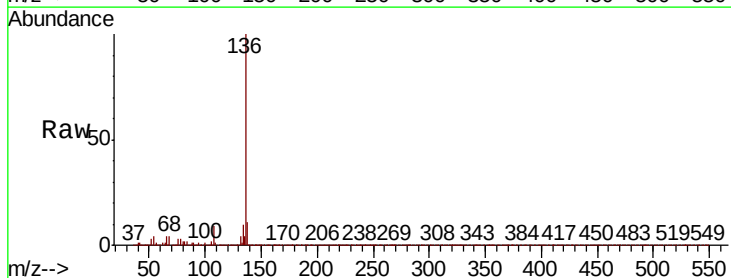
Delta R.T. -0.01 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

Tgt Ion: 136 Resp: 607603

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	4.5	3.6	5.4
68	4.3	3.3	4.9

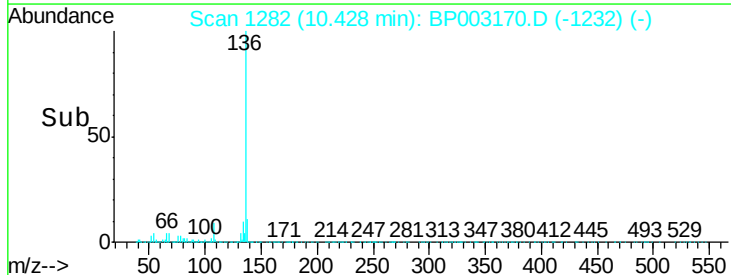
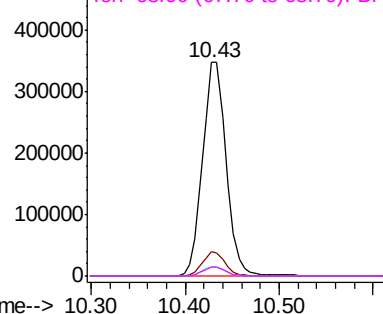


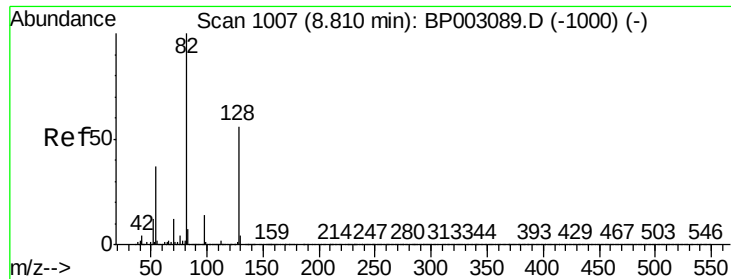
Abundance Ion 136.00 (135.70 to 136.70): E

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

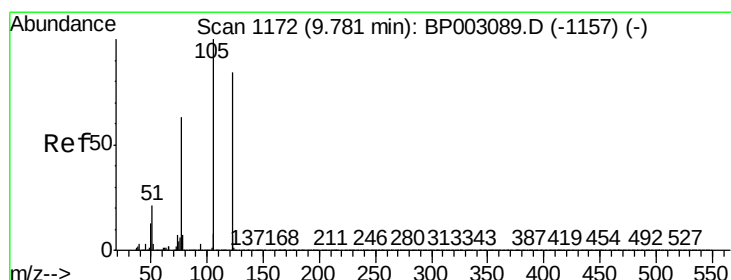
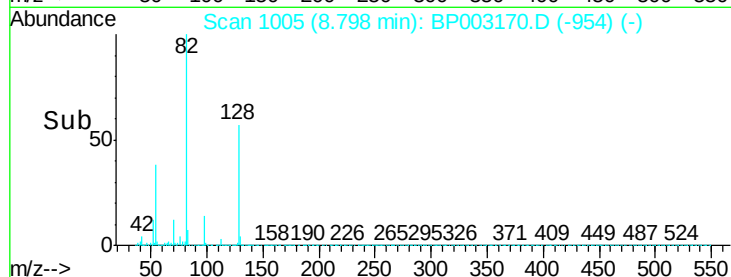
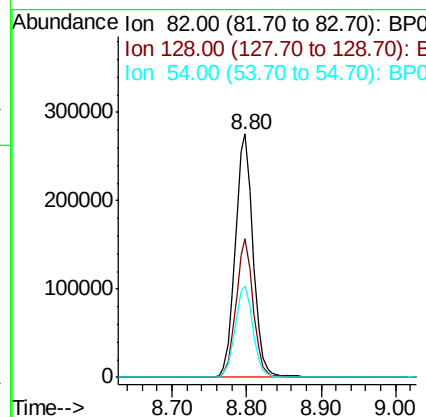
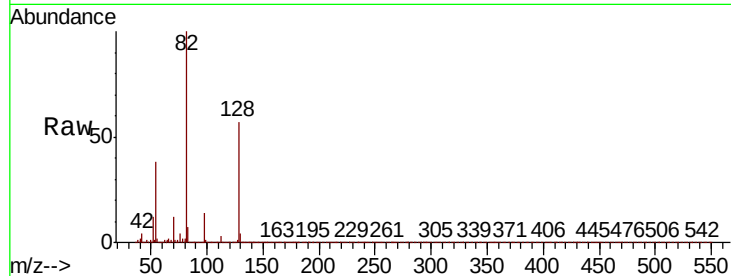




#23
 Nitrobenzene-d5
 Concen: 54.680 ng
 RT: 8.80 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BP003170.D
 Acq: 01 Sep 2020 16:59

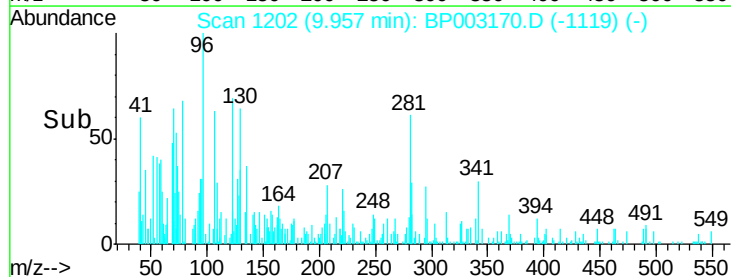
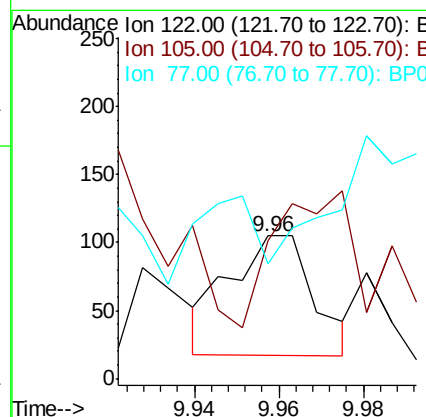
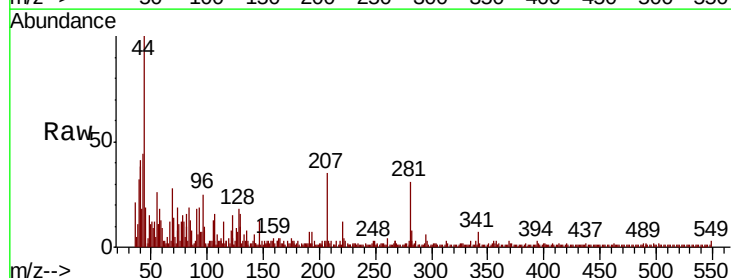
Instrument :
 BNA_P
 ClientSampleId :
 LINDEN-BH-02-B

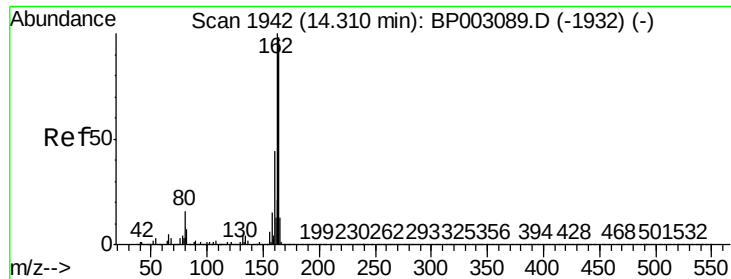
Tot Ion	82	Resp	460861
Ion Ratio	100	Lower	Upper
128	56.9	45.6	68.4
54	37.7	30.1	45.1



#32
 Benzoic acid
 Concen: 9.014 ng
 RT: 9.96 min Scan# 1202
 Delta R.T. 0.19 min
 Lab File: BP003170.D
 Acq: 01 Sep 2020 16:59

Tgt Ion	122	Resp	121
Ion Ratio	100	Lower	Upper
105	96.2	94.1	134.1
77	80.0	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: BP003170.D

Acq: 01 Sep 2020 16:59

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-02-B

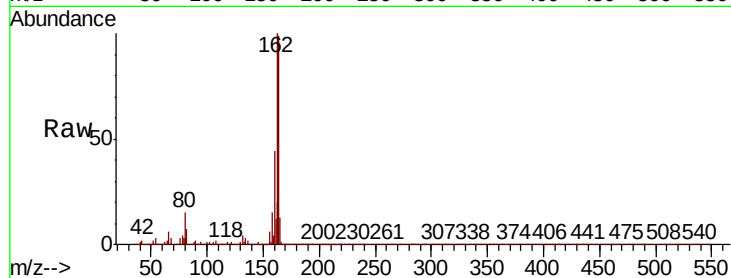
Tot Ion:164 Resp: 390300

Ion Ratio Lower Upper

164 100

162 101.4 79.4 119.2

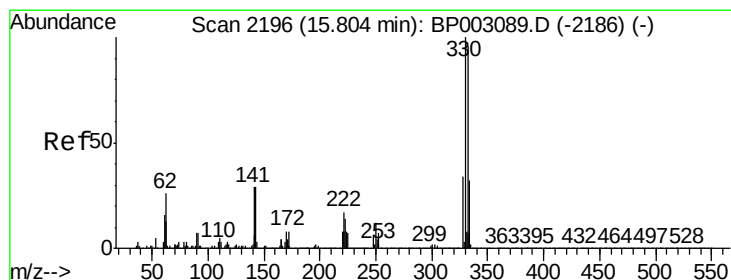
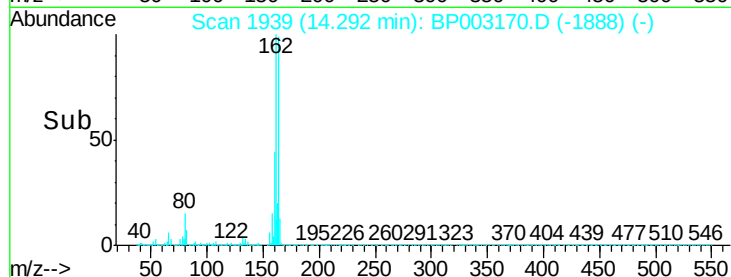
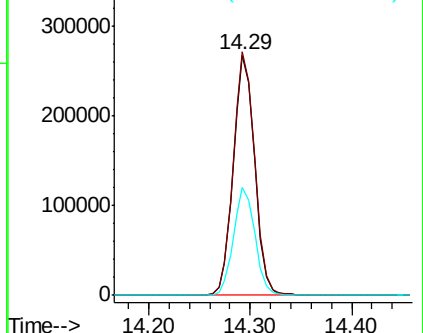
160 45.0 36.1 54.1



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: 80.050 ng

RT: 15.79 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

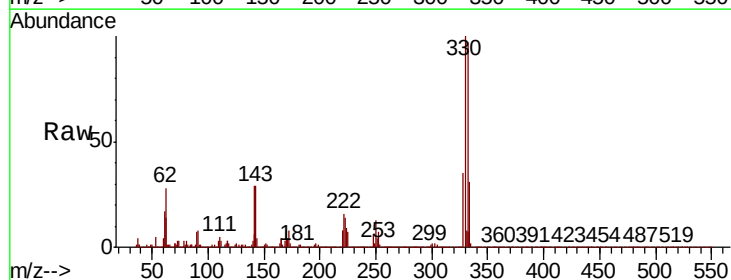
Tgt Ion:330 Resp: 422560

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

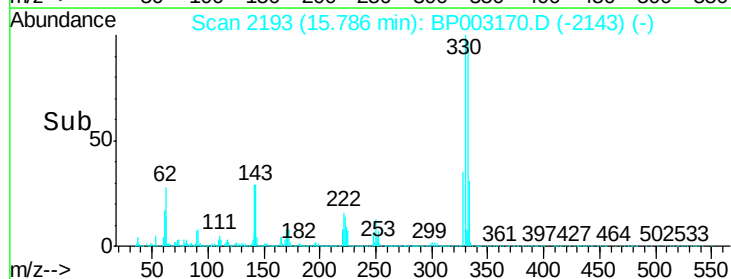
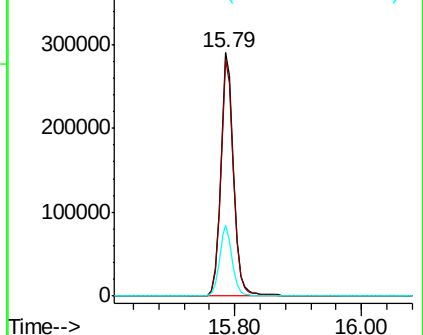
141 28.9 23.4 35.2

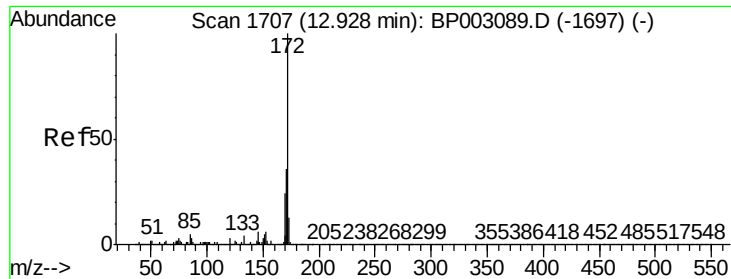


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

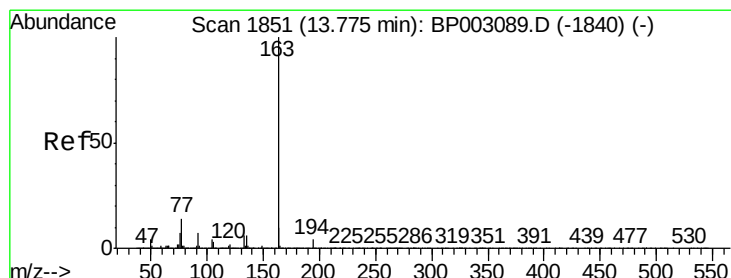
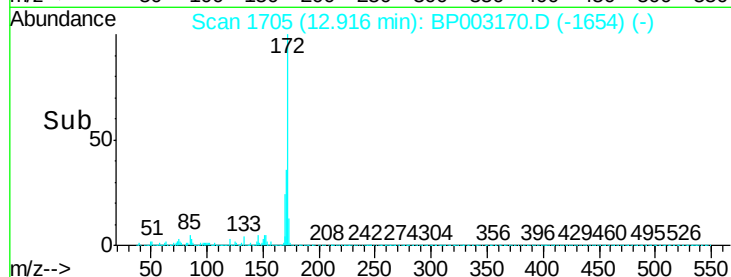
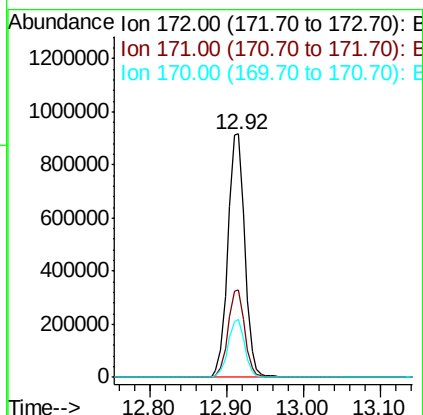
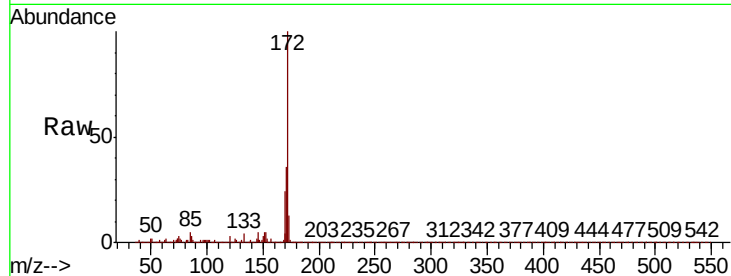




#45
2-Fluorobiphenyl
Concen: 52.859 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

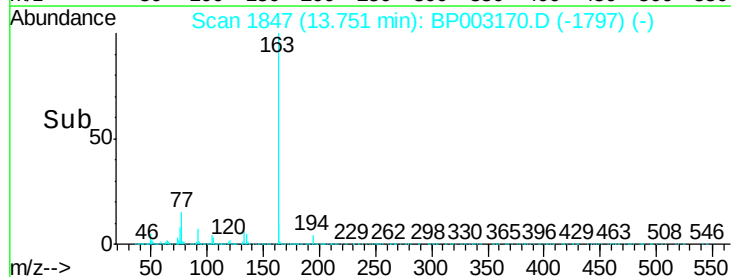
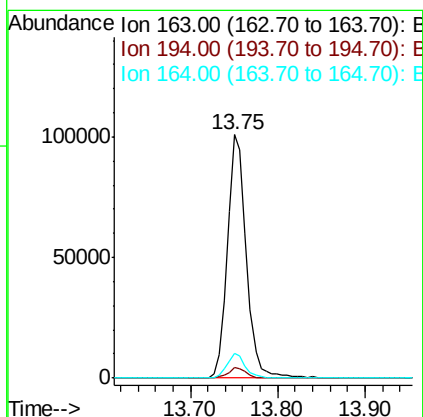
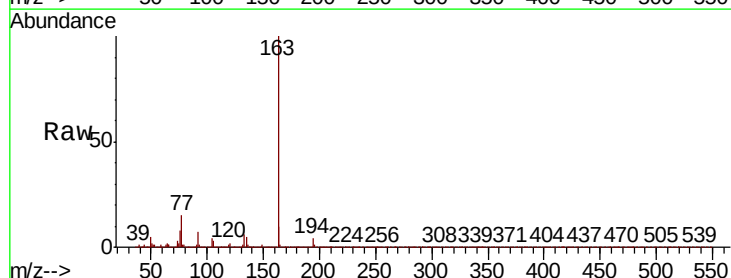
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BNA_P
ClientSampleId :
LINDEN-BH-02-B

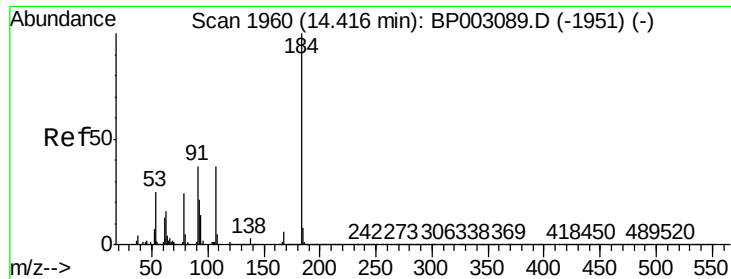
Tot Ion:172 Resp: 1408790
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.6 19.2 28.8



#50
Dimethylphthalate
Concen: 5.016 ng
RT: 13.75 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

Tgt Ion:163 Resp: 149293
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.1 8.2 12.2

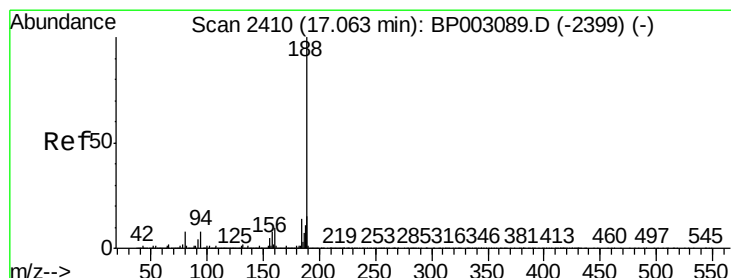
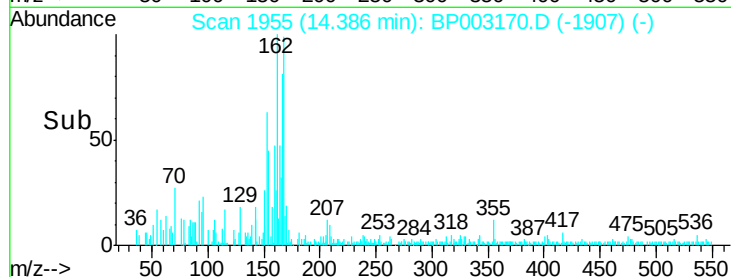
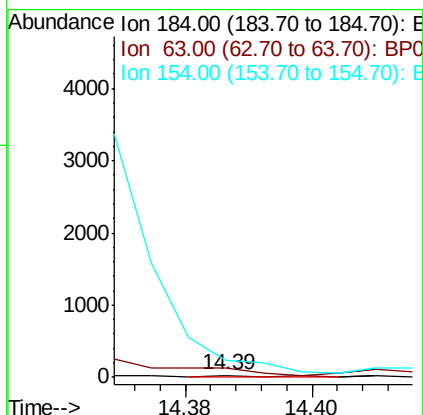
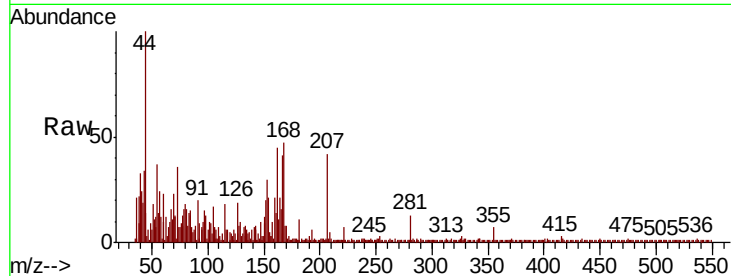




#54
2,4-Dinitrophenol
Concen: 7.761 ng
RT: 14.39 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

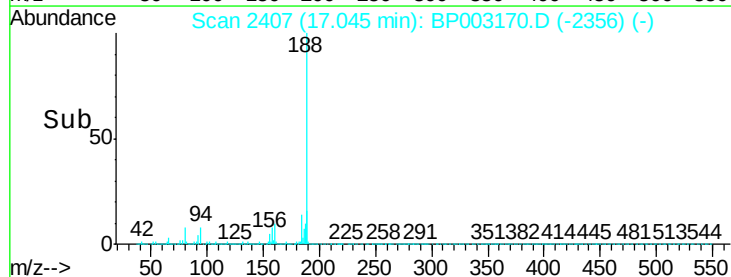
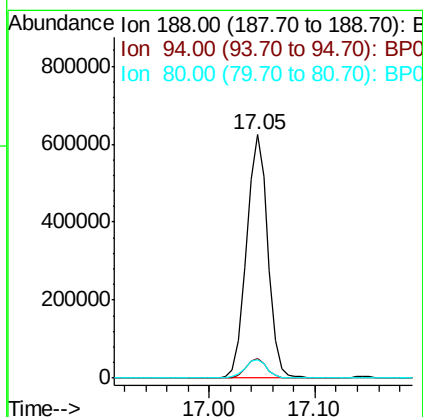
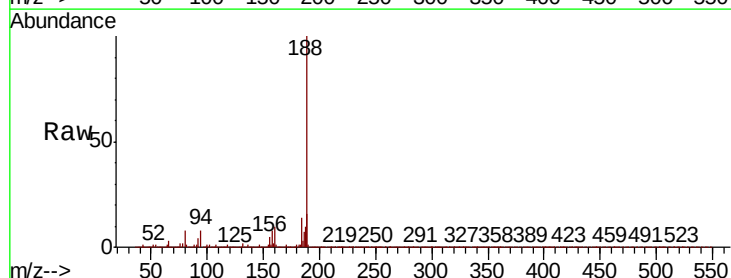
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BNA_P
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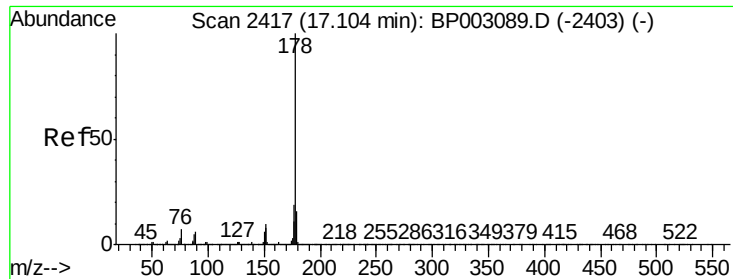
Tot Ion:184 Resp: 24
Ion Ratio Lower Upper
184 100
63 488.9 32.3 48.5#
154 874.1 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

Tgt Ion:188 Resp: 874766
Ion Ratio Lower Upper
188 100
94 7.8 6.2 9.2
80 7.7 6.2 9.2





#71

Phenanthrene

Concen: 9.326 ng

RT: 17.09 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-02-B

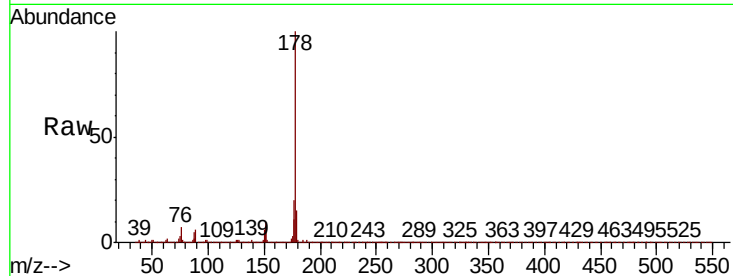
Tot Ion:178 Resp: 442037

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

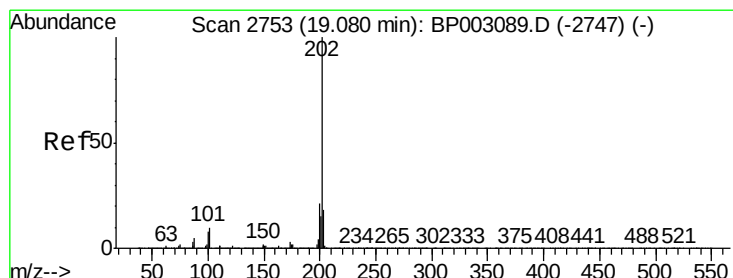
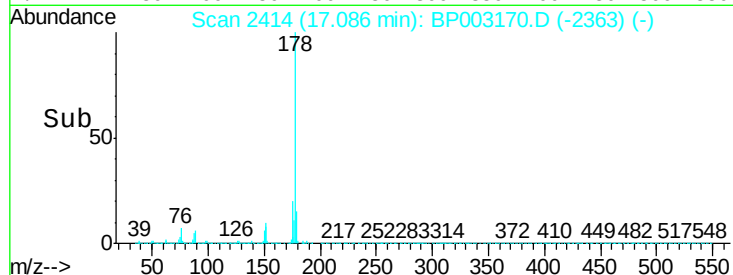
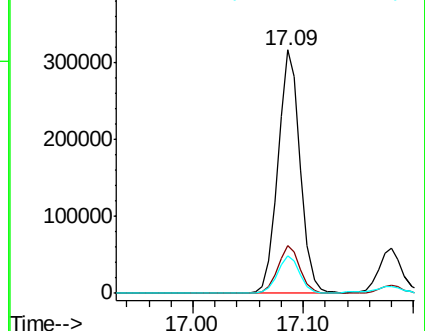
179 15.3 12.5 18.7



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



#75

Fluoranthene

Concen: 12.123 ng

RT: 19.06 min Scan# 2750

Delta R.T. -0.01 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

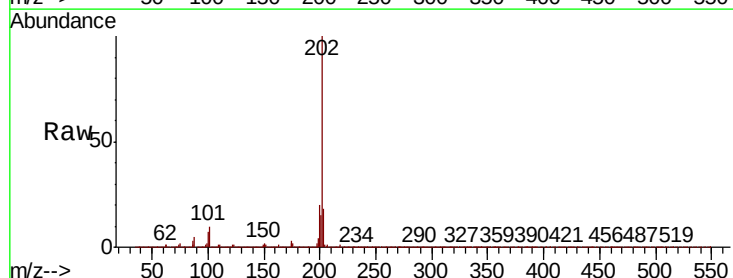
Tgt Ion:202 Resp: 664132

Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.4

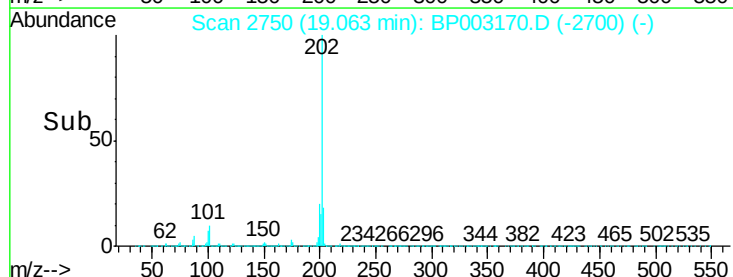
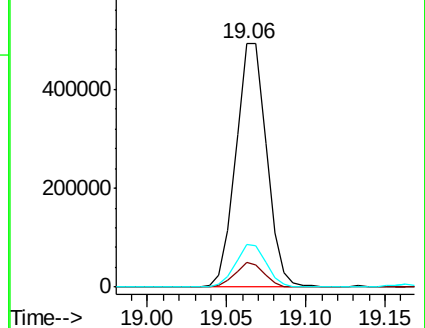
203 17.8 0.0 37.8

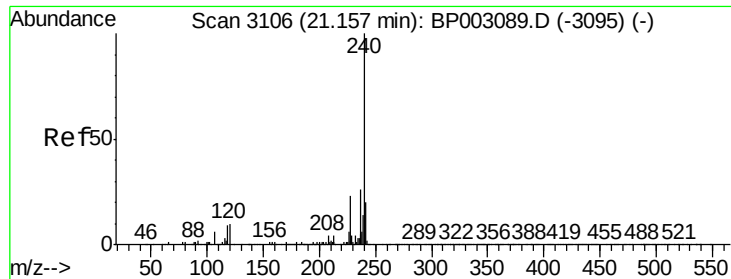


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

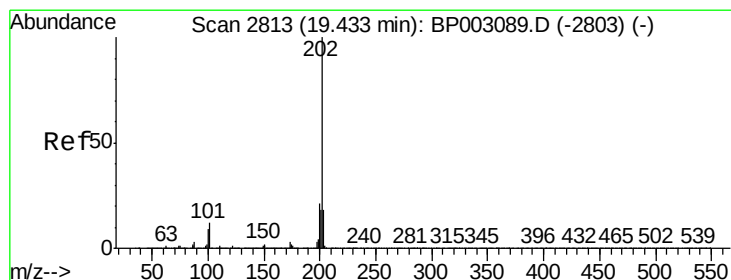
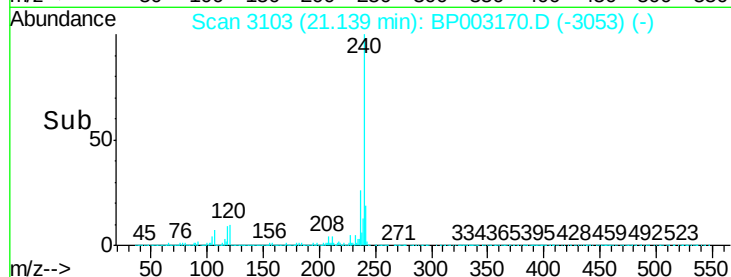
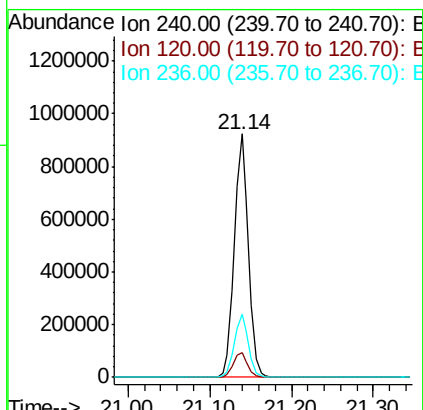
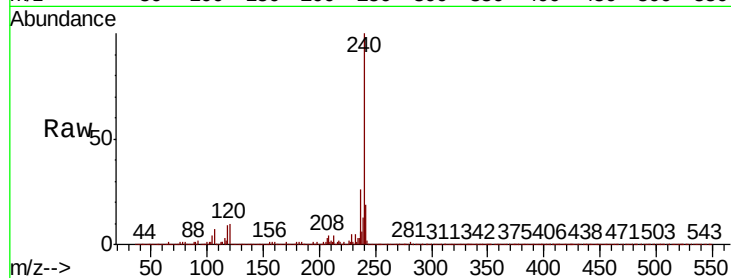




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

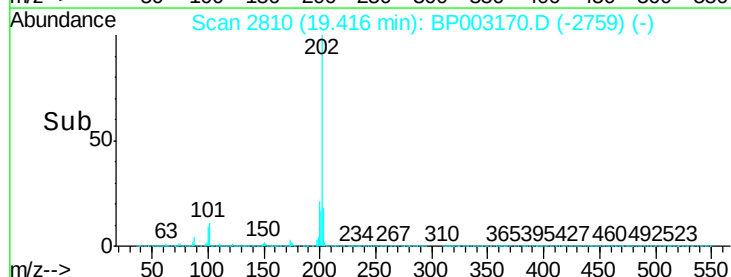
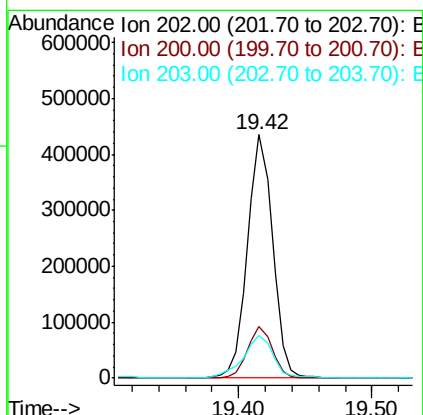
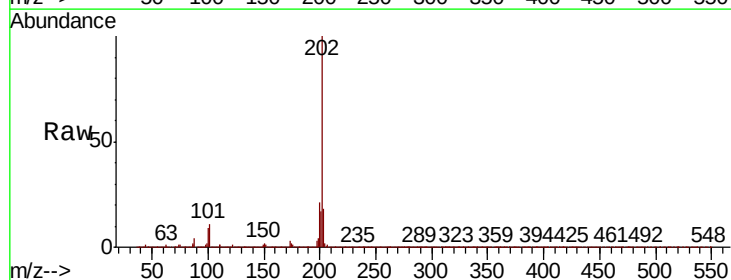
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-02-B

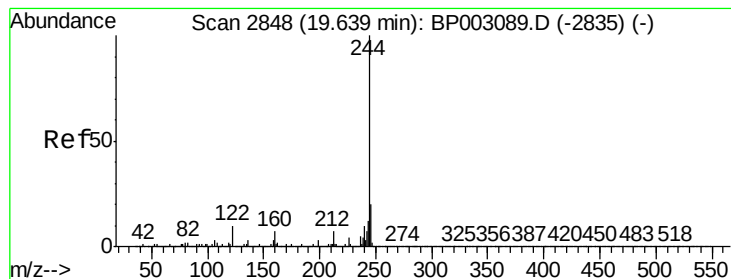
Tot Ion:240 Resp: 1106456
Ion Ratio Lower Upper
240 100
120 10.0 7.8 11.6
236 26.2 20.8 31.2



#78
Pyrene
Concen: 7.878 ng
RT: 19.42 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

Tgt Ion:202 Resp: 565753
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 46.108 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-02-B

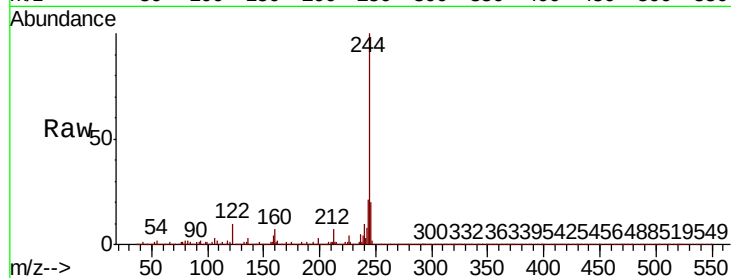
Tot Ion:244 Resp: 2318504

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

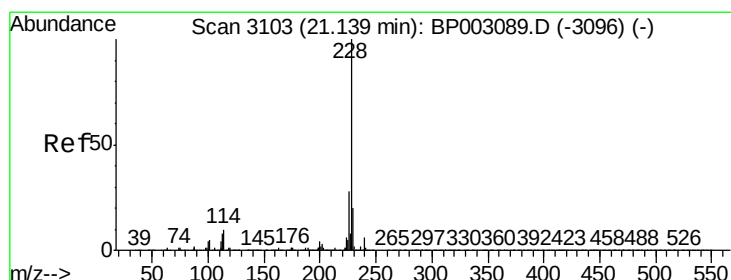
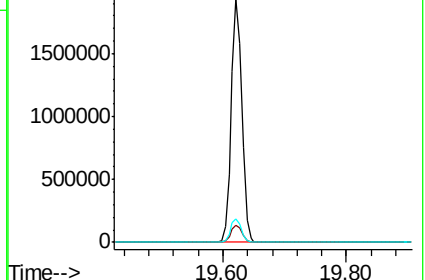
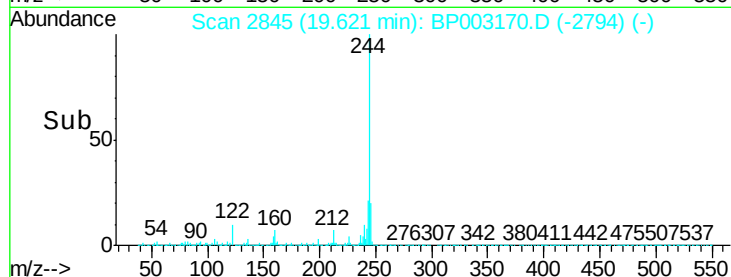
122 9.9 7.8 11.8



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: 4.738 ng

RT: 21.12 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

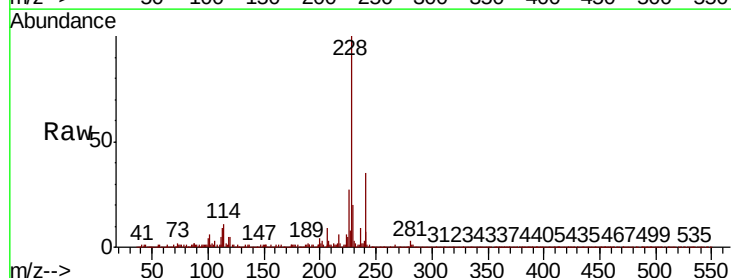
Tgt Ion:228 Resp: 328352

Ion Ratio Lower Upper

228 100

226 26.9 22.1 33.1

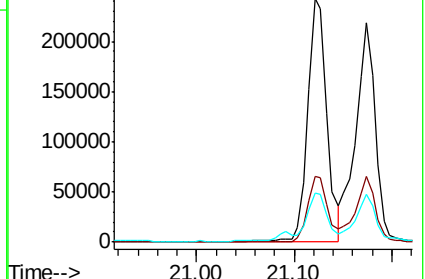
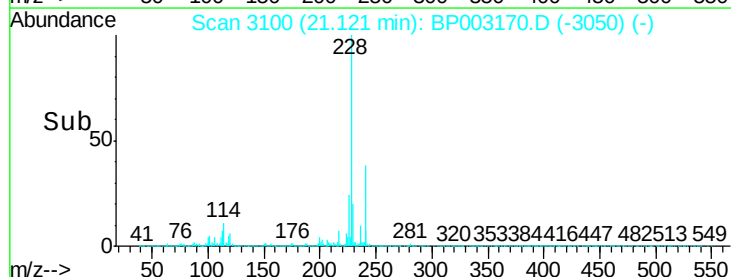
229 20.1 15.9 23.9

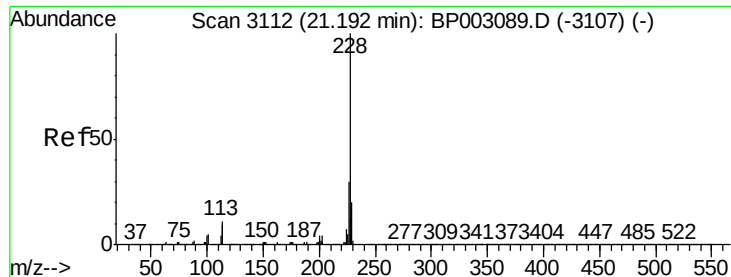


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.603 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-02-B

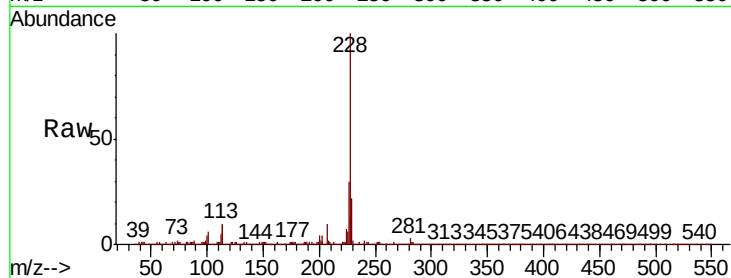
Tot Ion:228 Resp: 305452

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

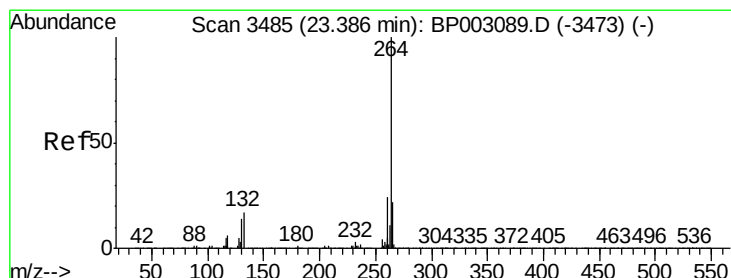
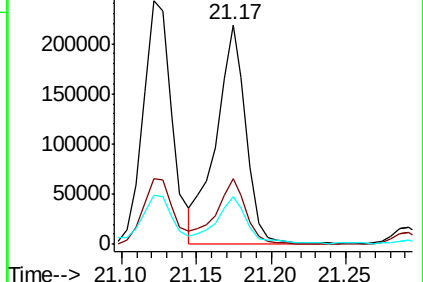
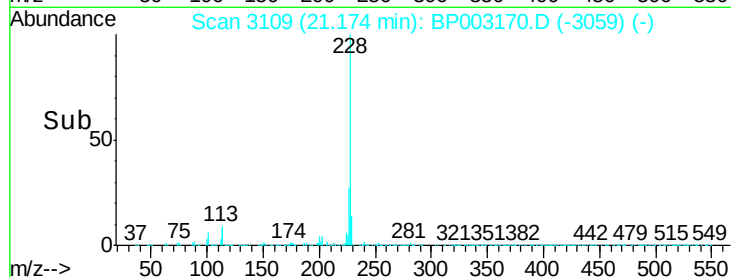
229 22.0 15.8 23.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.37 min Scan# 3482

Delta R.T. -0.00 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

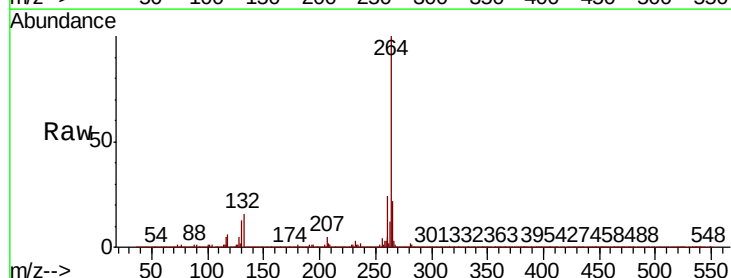
Tgt Ion:264 Resp: 1404173

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

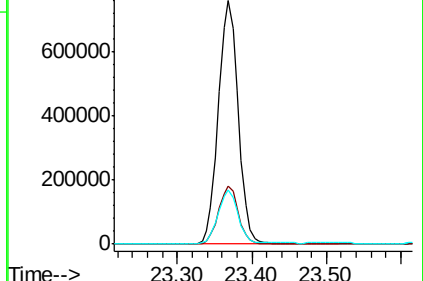
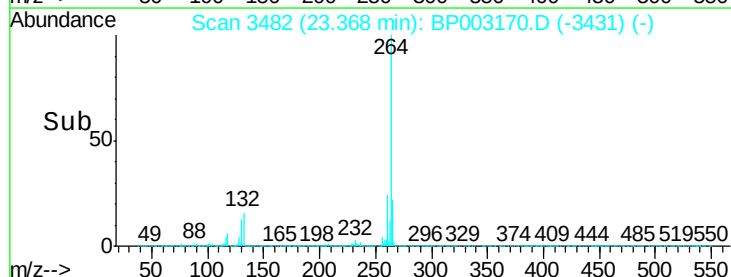
265 22.0 17.4 26.2

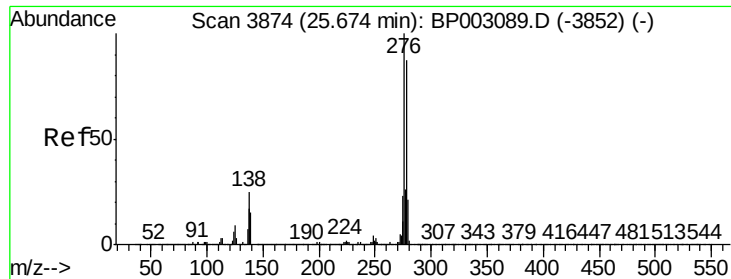


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

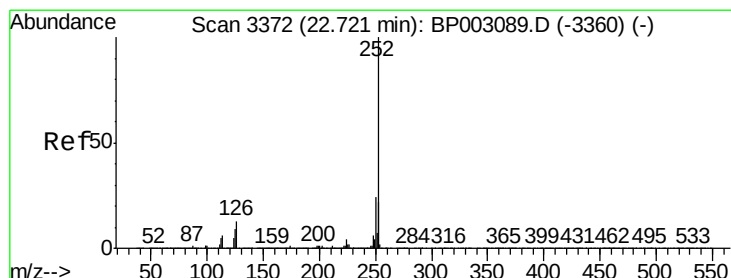
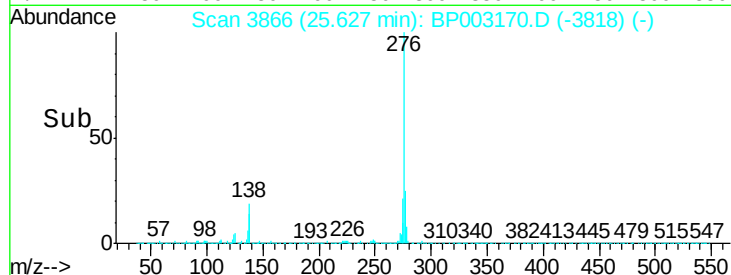
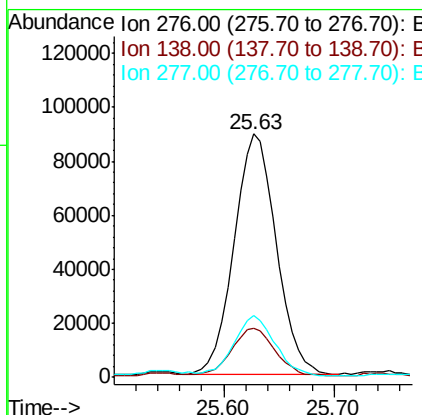
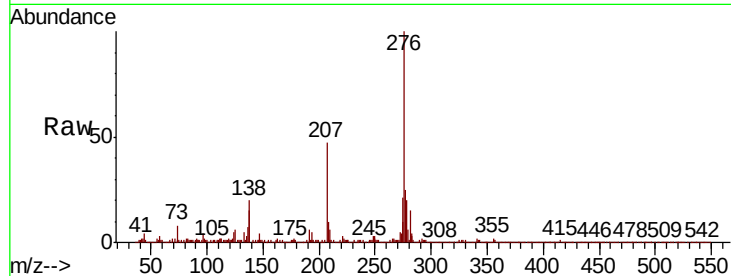




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.270 ng
 RT: 25.63 min Scan# 3866
 Delta R.T. -0.02 min
 Lab File: BP003170.D
 Acq: 01 Sep 2020 16:59

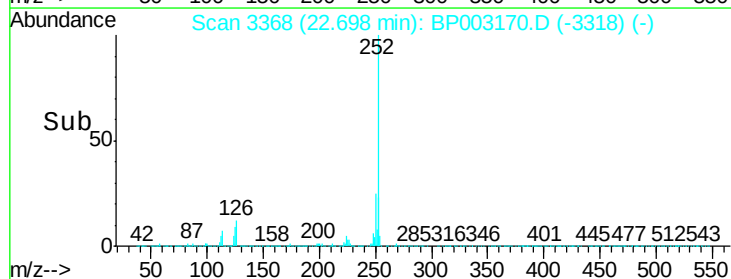
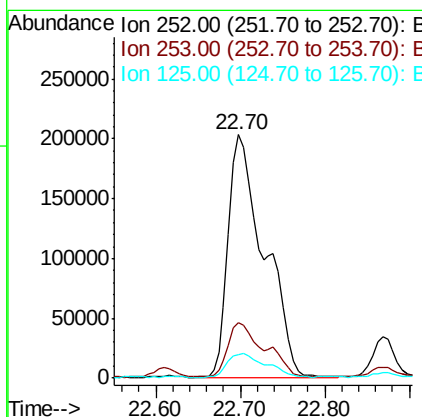
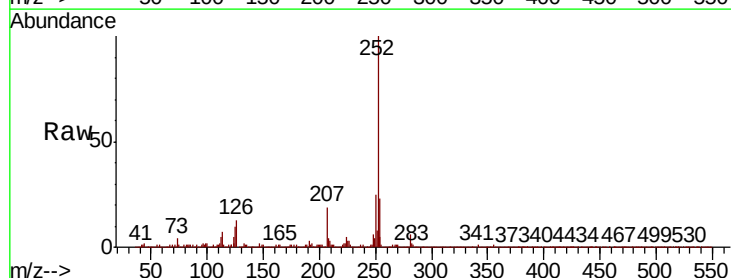
Instrument :
 BNA_P
 ClientSampleId :
 LINDEN-BH-02-B

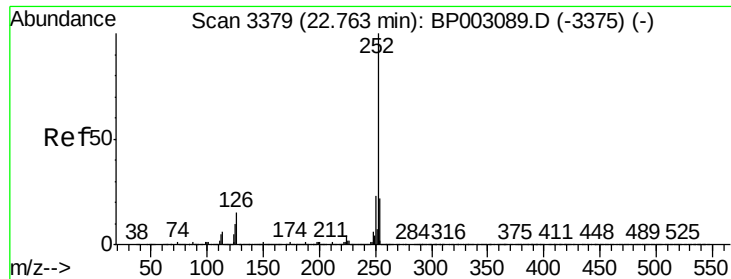
Tot	Ion:276	Resp:	237735
Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.7	28.1
277	24.7	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 6.844 ng
 RT: 22.70 min Scan# 3368
 Delta R.T. -0.01 min
 Lab File: BP003170.D
 Acq: 01 Sep 2020 16:59

Tgt	Ion:252	Resp:	597266
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.9	7.3	10.9

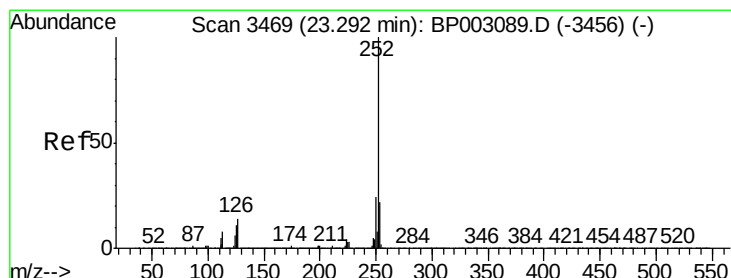
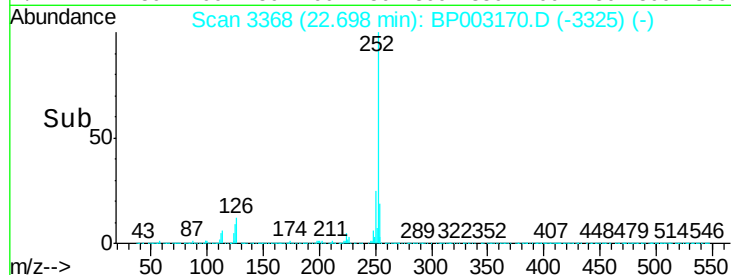
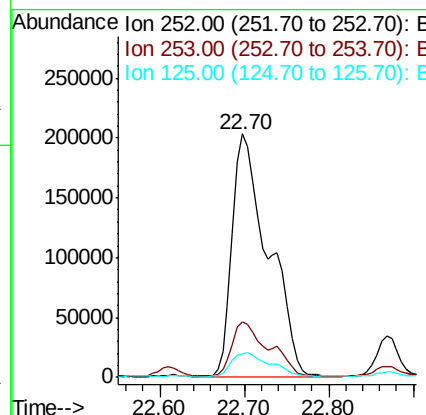
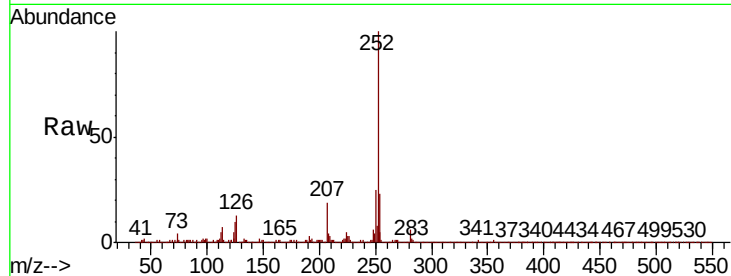




#89
Benzo(k)fluoranthene
Concen: 7.163 ng
RT: 22.70 min Scan# 3368
Delta R.T. -0.05 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

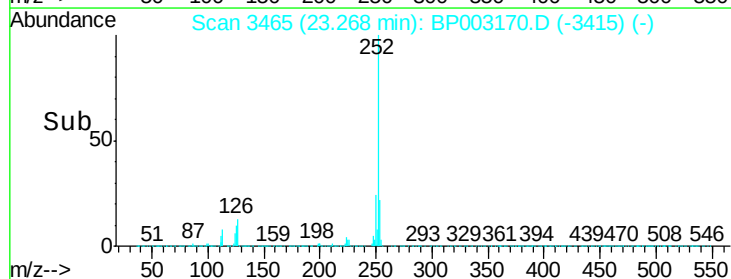
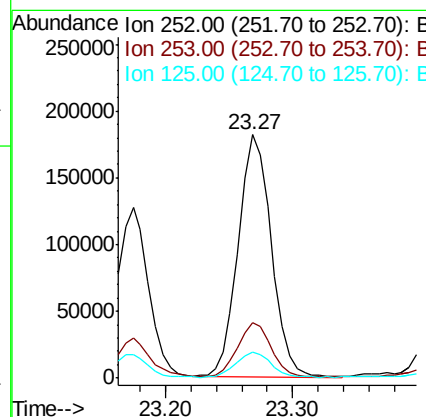
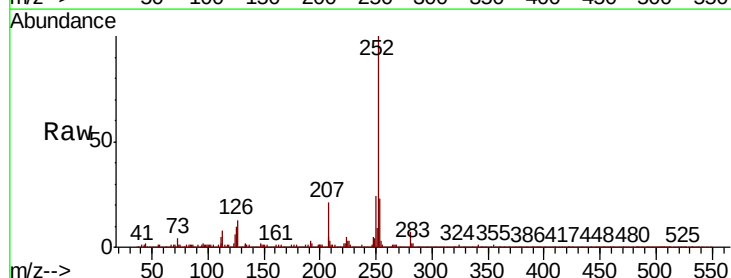
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-02-B

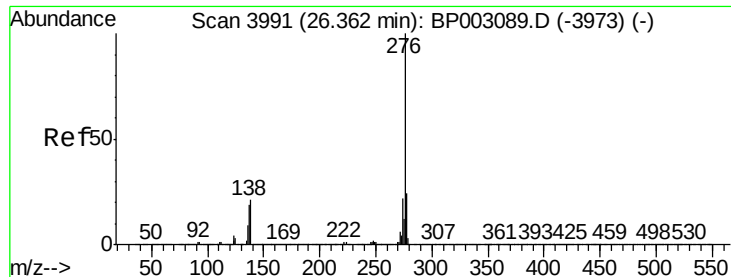
Tot Ion:252 Resp: 597266
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 9.9 7.4 11.2



#90
Benzo(a)pyrene
Concen: 4.074 ng
RT: 23.27 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BP003170.D
Acq: 01 Sep 2020 16:59

Tgt Ion:252 Resp: 329846
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.5 8.2 12.4





#92

Benzo(a,h,i)perylene

Concen: 2.727 ng

RT: 26.32 min Scan# 3983

Delta R.T. -0.02 min

Lab File: BP003170.D

Acq: 01 Sep 2020 16:59

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-02-B

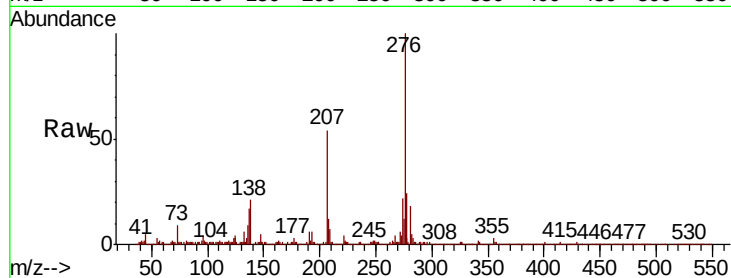
Tot Ion: 276 Resp: 235436

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.6

138 20.8 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

