

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090120\
 Data File : BP003169.D
 Acq On : 01 Sep 2020 16:25
 Operator : CG/JU
 Sample : L3848-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LINDEN-BH-04-B

Quant Time: Sep 01 17:53:10 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	124095	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	503281	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	313234	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	712838	20.00	ng	0.00
76) Chrysene-d12	21.14	240	958782	20.00	ng	0.00
86) Perylene-d12	23.37	264	1286177	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	487192	69.41	ng	0.00
7) Phenol-d6	6.83	99	630845	71.70	ng	0.00
23) Nitrobenzene-d5	8.80	82	359938	51.56	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	267303	63.10	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	1102455	51.54	ng	0.00
79) Terphenyl-d14	19.62	244	1913058	43.91	ng	0.00

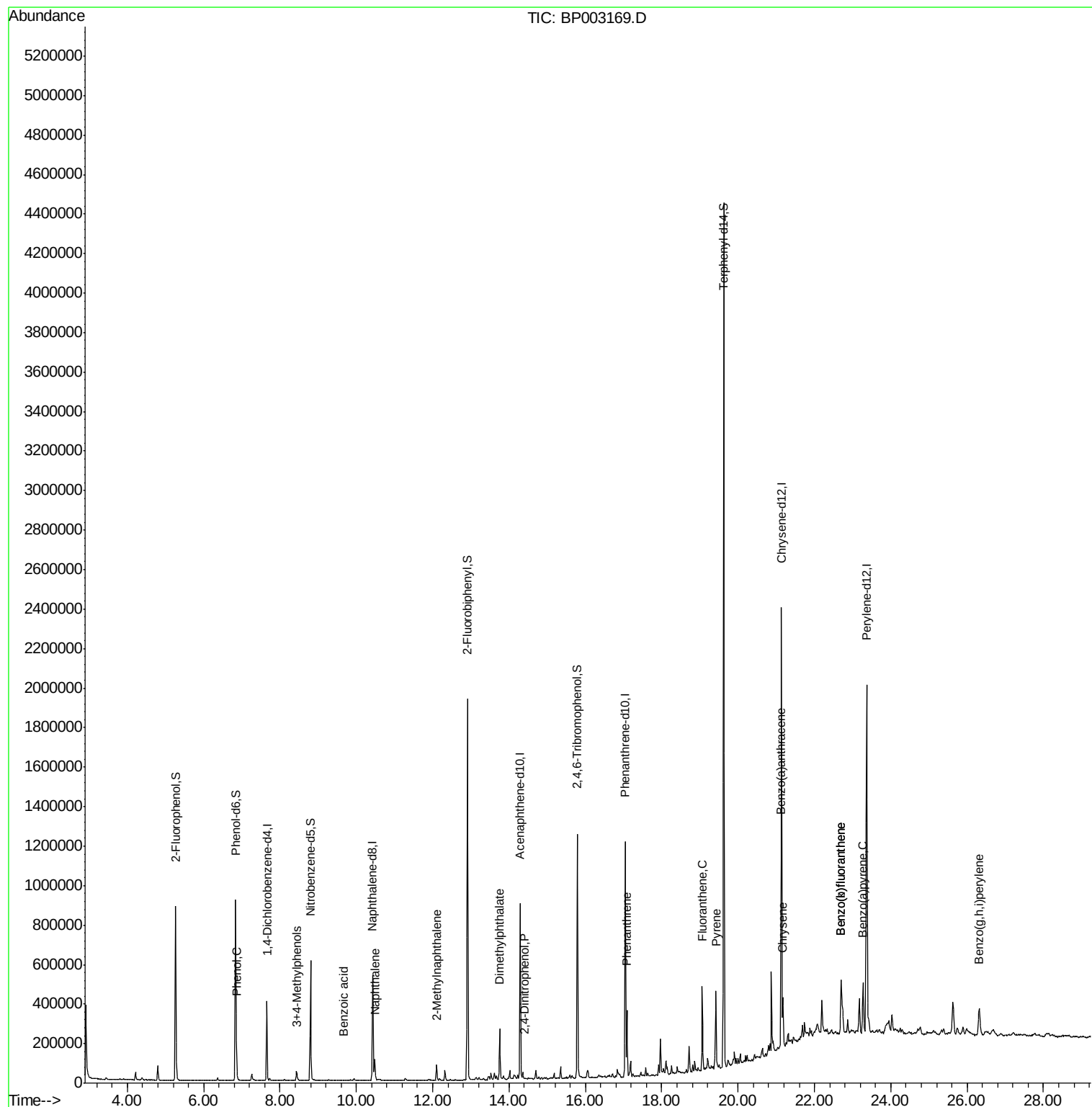
Target Compounds				Qvalue		
10) Phenol	6.86	94	50148	6.150	ng	95
20) 3+4-Methylphenols	8.43	107	24268	3.101	ng	87
31) Naphthalene	10.48	128	90012	3.481	ng	99
32) Benzoic acid	9.66	122	305	9.049	ng	# 45
37) 2-Methylnaphthalene	12.10	142	42754	2.311	ng	96
50) Dimethylphthalate	13.75	163	188557	7.894	ng	100
54) 2,4-Dinitrophenol	14.41	184	18	7.761	ng	# 1
71) Phenanthrene	17.09	178	206202	5.338	ng	99
75) Fluoranthene	19.06	202	247995	5.555	ng	98
78) Pyrene	19.42	202	234670	3.771	ng	98
81) Benzo(a)anthracene	21.12	228	157954	2.630	ng	99
83) Chrysene	21.17	228	146514	2.548	ng	96
88) Benzo(b)fluoranthene	22.70	252	309289	3.869	ng	# 97
89) Benzo(k)fluoranthene	22.70	252	309289	4.049	ng	98
90) Benzo(a)pyrene	23.27	252	183551	2.475	ng	96
92) Benzo(g,h,i)perylene	26.32	276	175006	2.213	ng	97

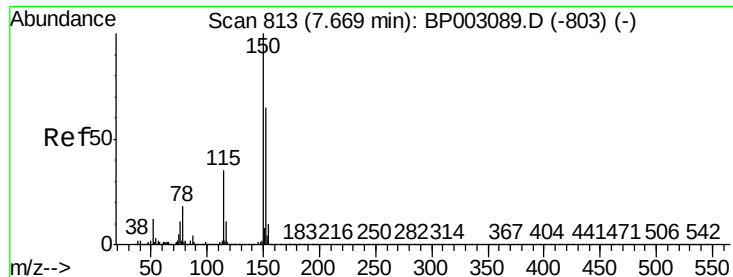
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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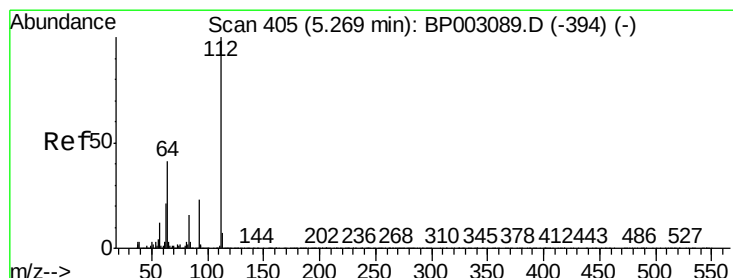
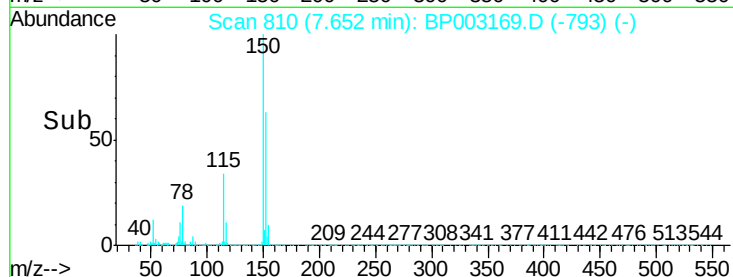
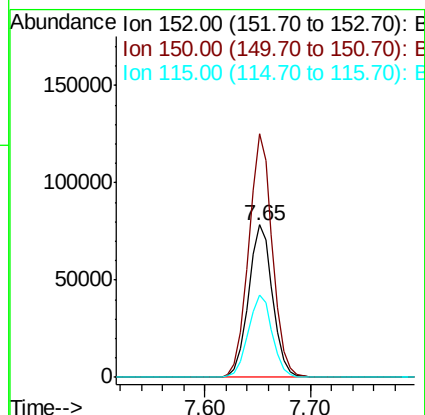
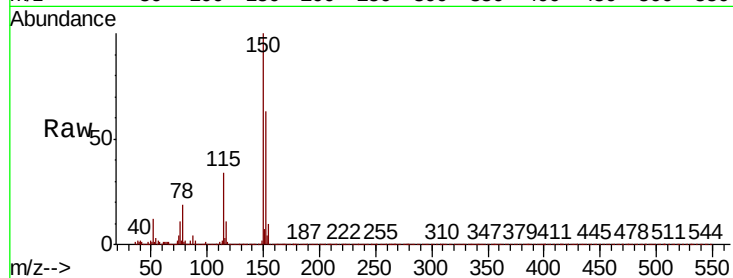


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-04-B

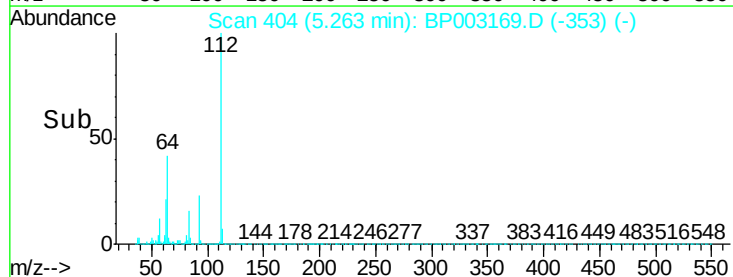
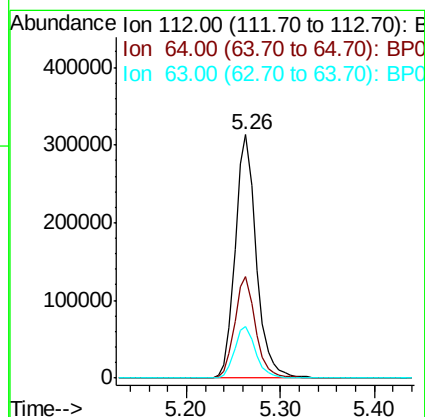
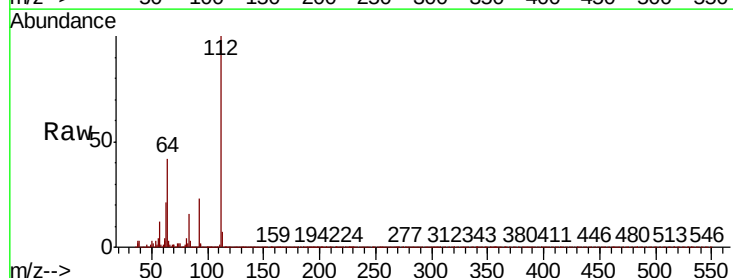
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	123.8	185.6
115	54.3	43.8	65.6

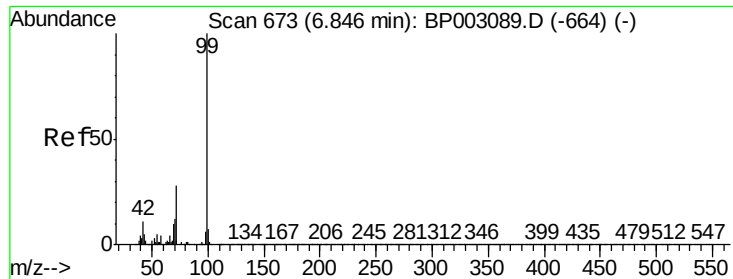


#5

2-Fluorophenol
Concen: 69.412 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.5	32.8	49.2
63	21.1	17.0	25.4





#7

Phenol-d6

Concen: 71.698 ng

RT: 6.83 min Scan# 671

Delta R.T. -0.00 min

Lab File: BP003169.D

Acq: 01 Sep 2020 16:25

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-04-B

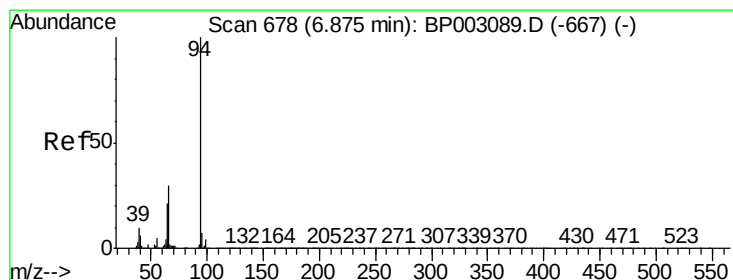
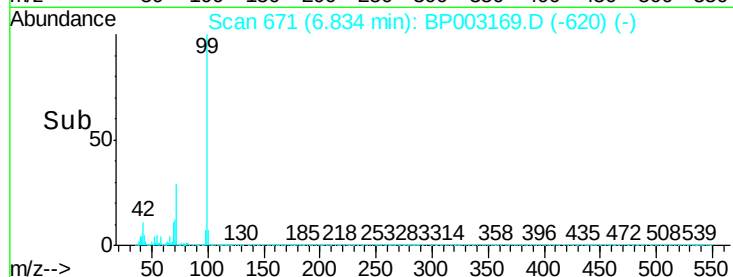
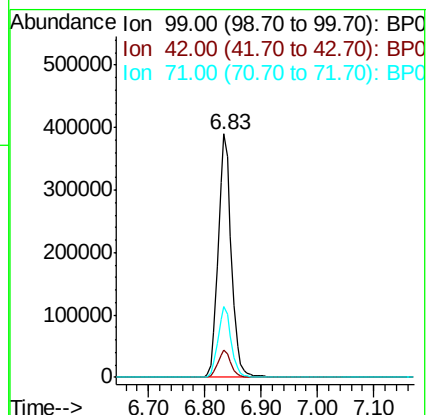
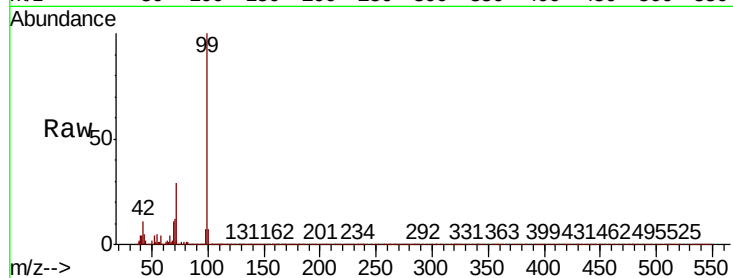
Tot Ion: 99 Resp: 630845

Ion Ratio Lower Upper

99 100

42 11.1 8.6 13.0

71 29.0 23.4 35.2



#10

Phenol

Concen: 6.150 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.00 min

Lab File: BP003169.D

Acq: 01 Sep 2020 16:25

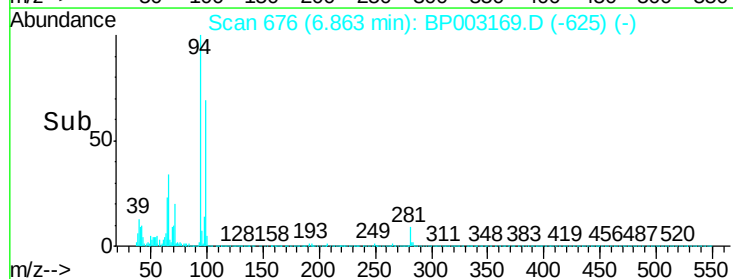
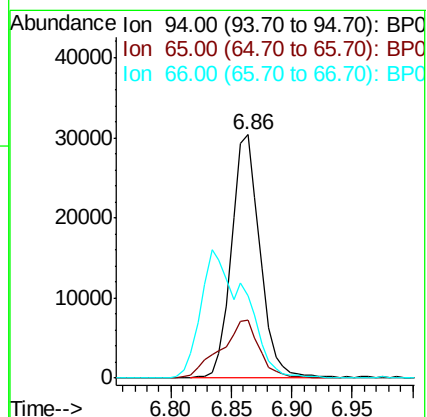
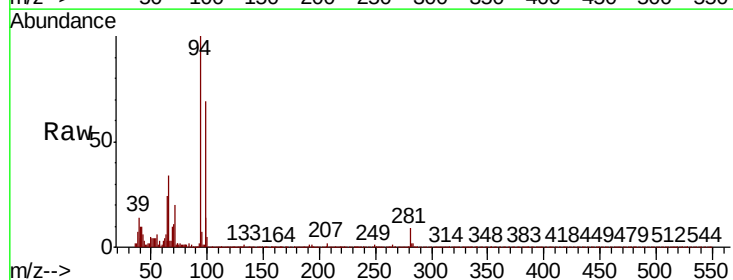
Tgt Ion: 94 Resp: 50148

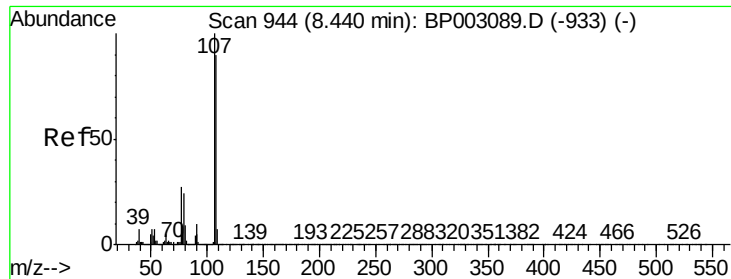
Ion Ratio Lower Upper

94 100

65 23.7 2.3 42.3

66 34.1 10.9 50.9

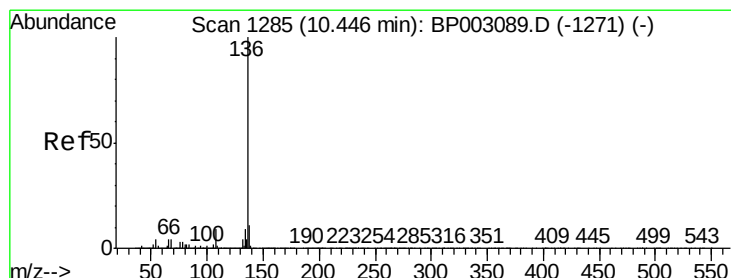
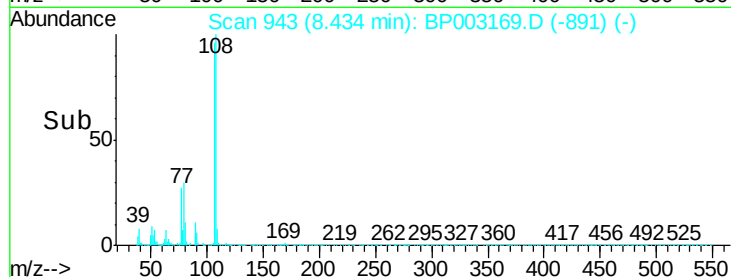
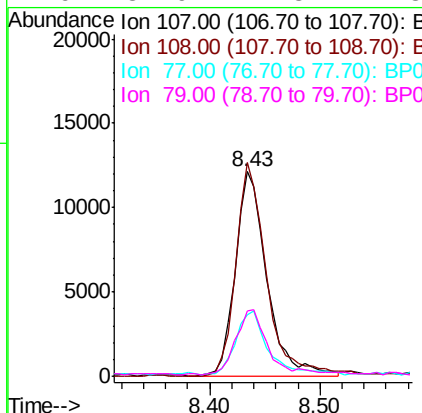
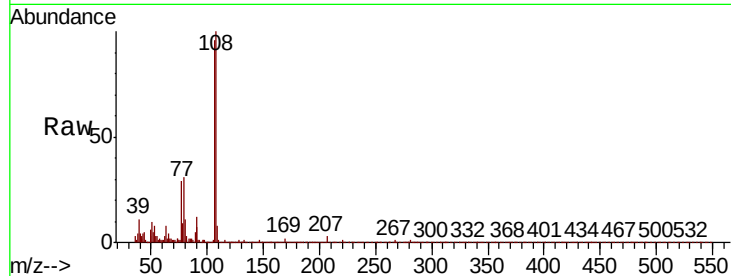




#20
3+4-Methylphenols
Concen: 3.101 ng
RT: 8.43 min Scan# 943
Delta R.T. 0.01 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

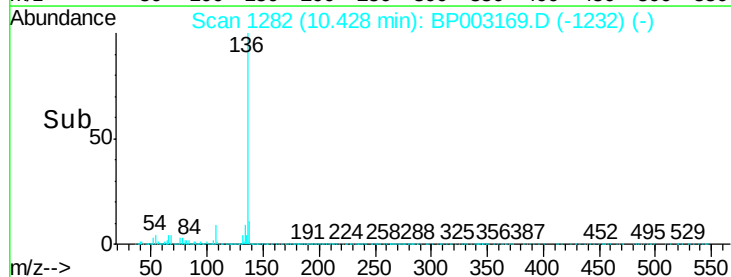
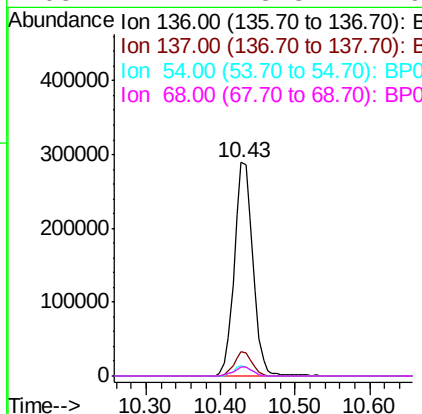
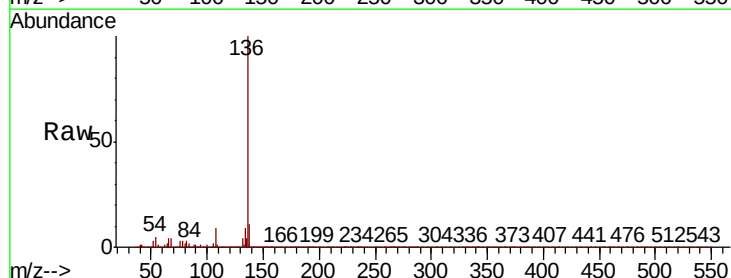
Instrument :
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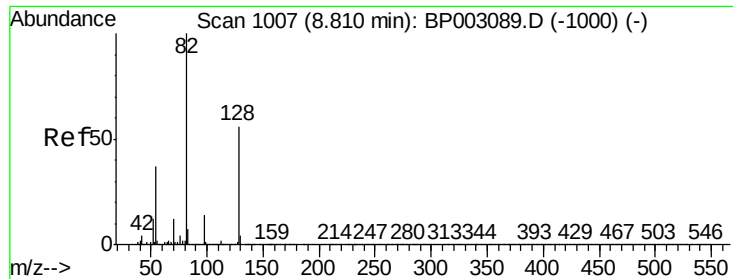
Tot Ion:	107	Resp:	24268
Ion	Ratio	Lower	Upper
107	100		
108	104.4	69.0	109.0
77	29.8	8.5	48.5
79	31.9	4.8	44.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.43 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

Tgt Ion:	136	Resp:	503281
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	4.5	3.6	5.4
68	4.4	3.3	4.9

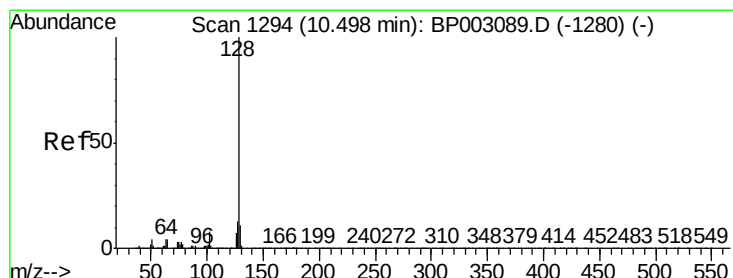
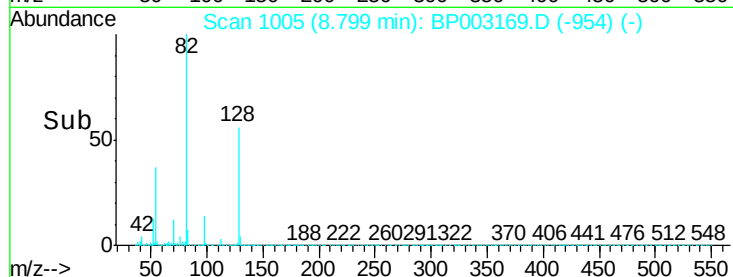
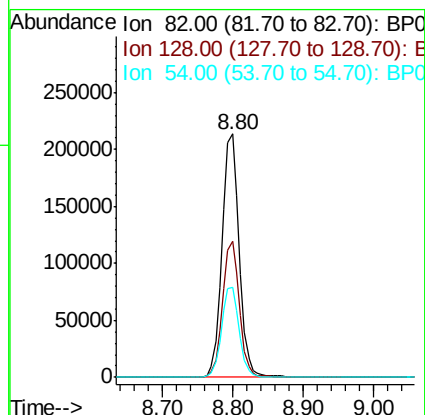
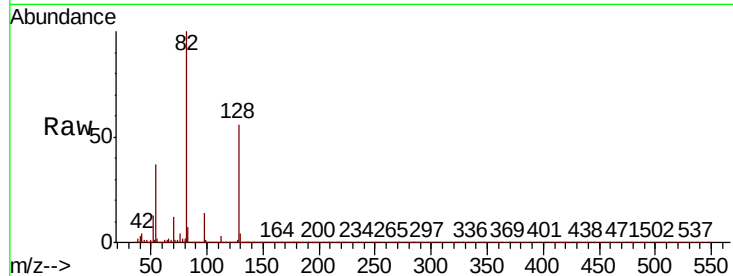




#23
 Nitrobenzene-d5
 Concen: 51.558 ng
 RT: 8.80 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BP003169.D
 Acq: 01 Sep 2020 16:25

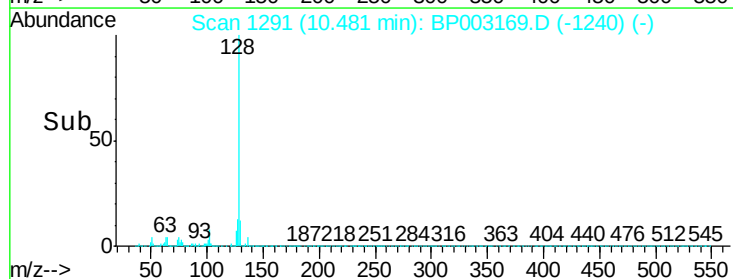
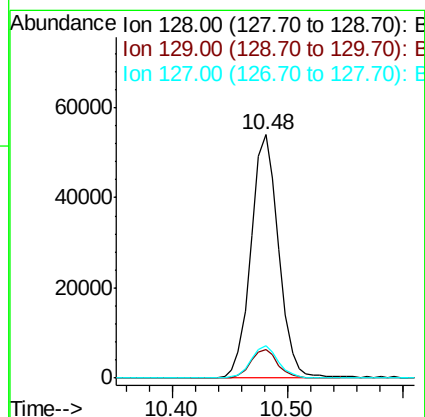
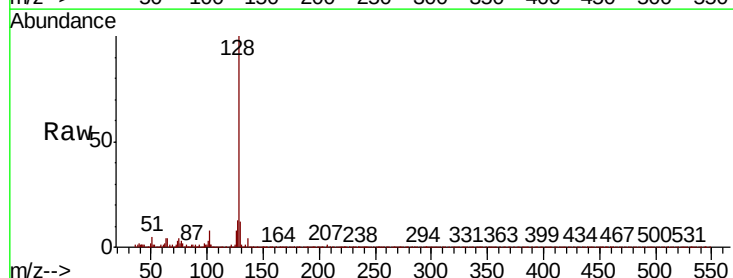
Instrument :
 BNA_P
 ClientSampleId :
 LINDEN-BH-04-B

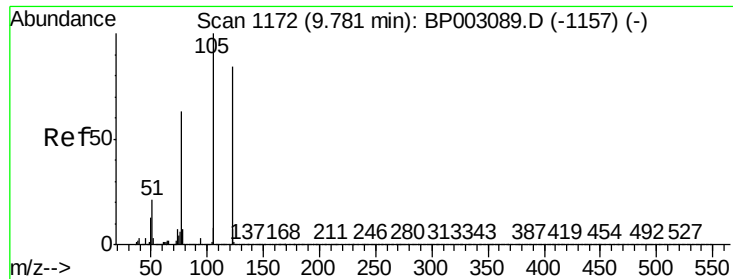
Tot Ion	82	Resp	359938
Ion Ratio	Lower	Upper	
82	100		
128	56.1	45.6	68.4
54	37.1	30.1	45.1



#31
 Naphthalene
 Concen: 3.481 ng
 RT: 10.48 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BP003169.D
 Acq: 01 Sep 2020 16:25

Tgt Ion	128	Resp	90012
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.8	13.2
127	13.4	10.6	15.8

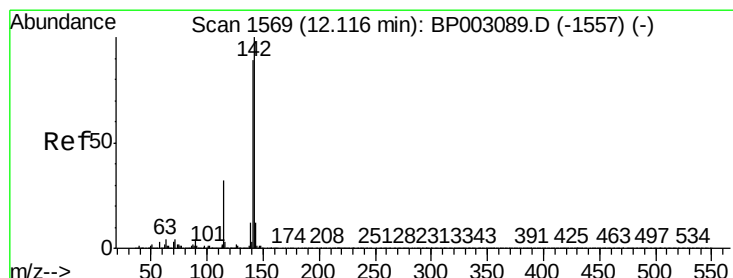
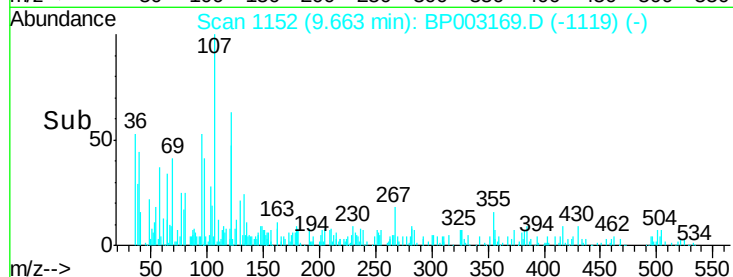
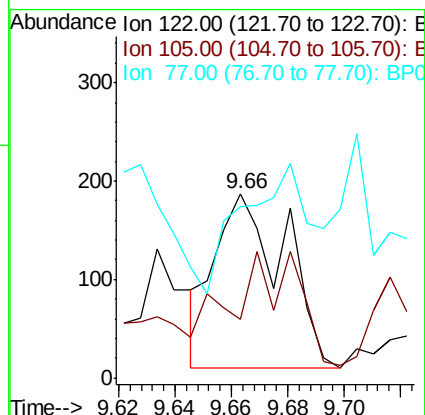
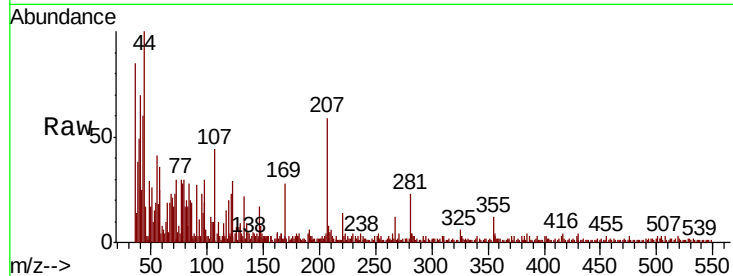




#32
Benzoic acid
Concen: 9.049 ng
RT: 9.66 min Scan# 1152
Delta R.T. -0.11 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

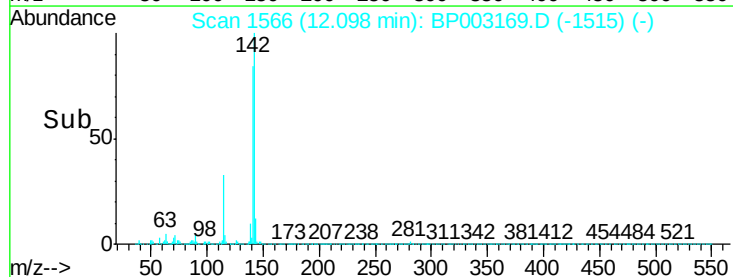
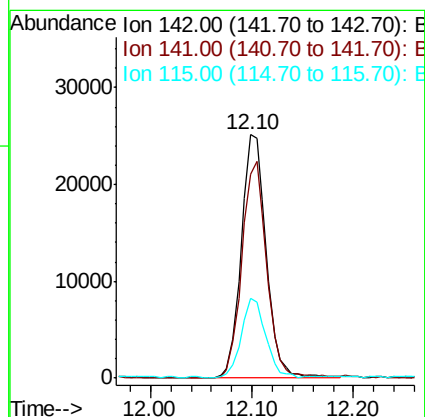
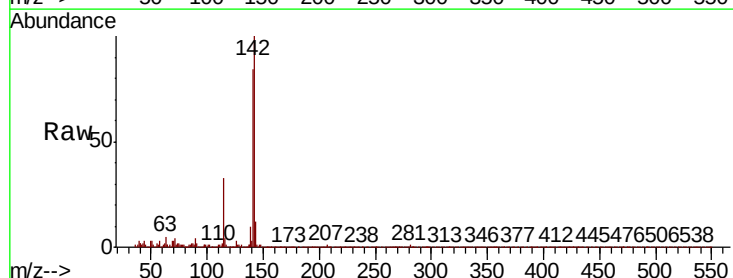
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-04-B

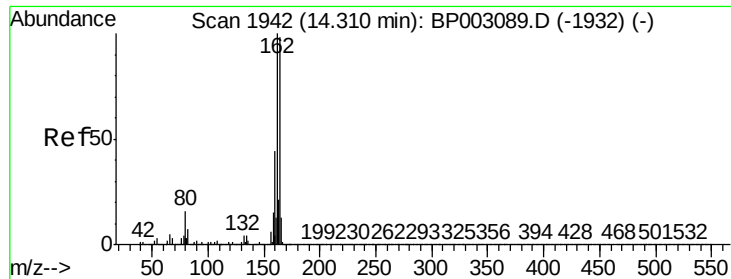
Tot Ion:122 Resp: 305
Ion Ratio Lower Upper
122 100
105 36.9 94.1 134.1#
77 93.0 50.1 90.1#



#37
2-Methylnaphthalene
Concen: 2.311 ng
RT: 12.10 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

Tgt Ion:142 Resp: 42754
Ion Ratio Lower Upper
142 100
141 84.0 71.4 107.2
115 32.9 25.8 38.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BP003169.D

Acq: 01 Sep 2020 16:25

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-04-B

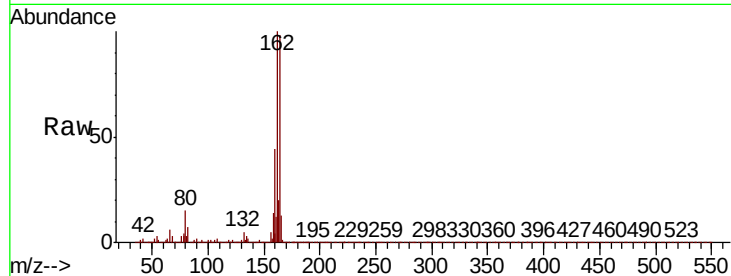
Tot Ion:164 Resp: 313234

Ion Ratio Lower Upper

164 100

162 102.0 79.4 119.2

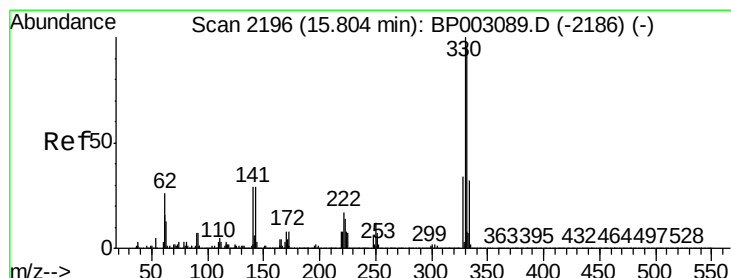
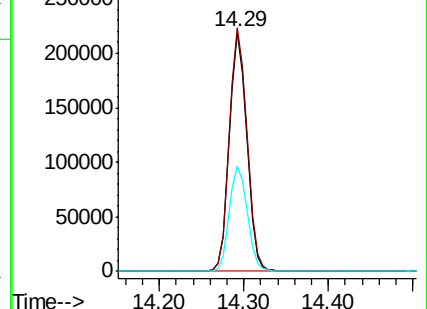
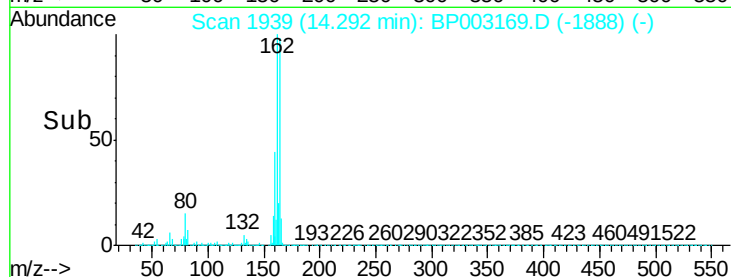
160 44.4 36.1 54.1



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: 63.097 ng

RT: 15.79 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BP003169.D

Acq: 01 Sep 2020 16:25

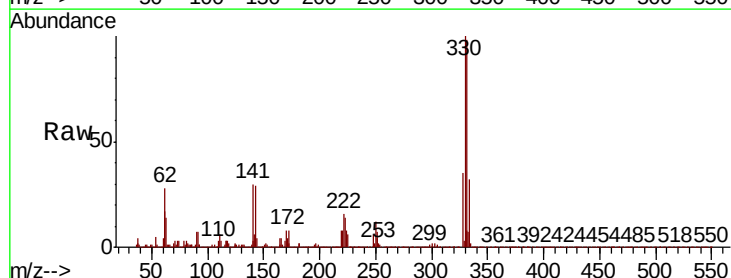
Tgt Ion:330 Resp: 267303

Ion Ratio Lower Upper

330 100

332 97.4 77.1 115.7

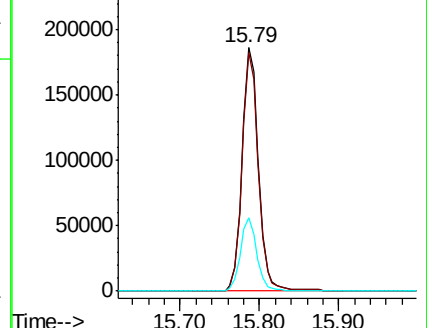
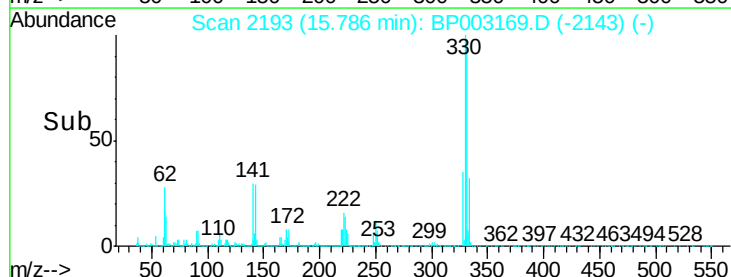
141 30.2 23.4 35.2

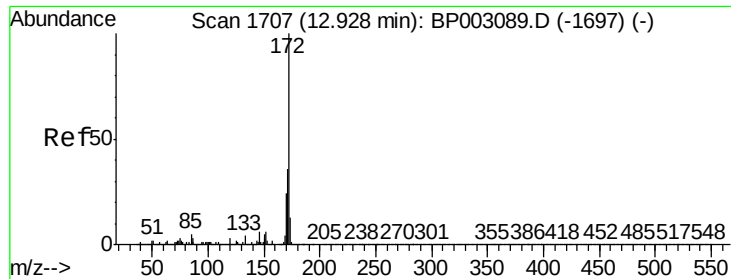


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

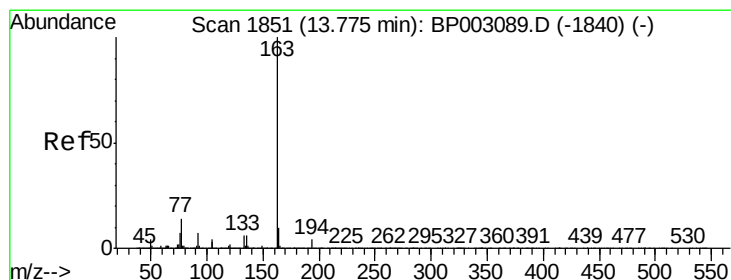
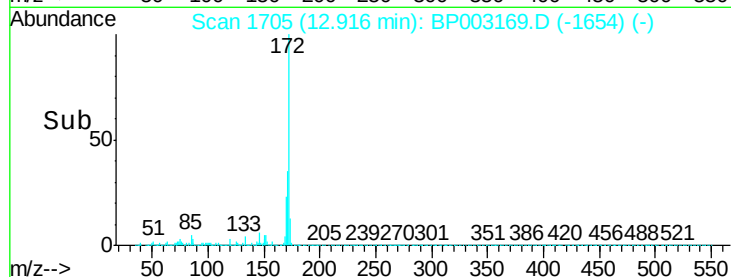
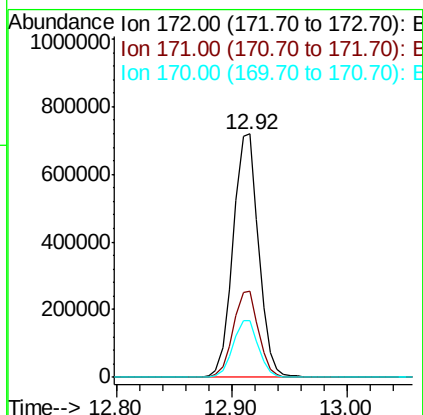
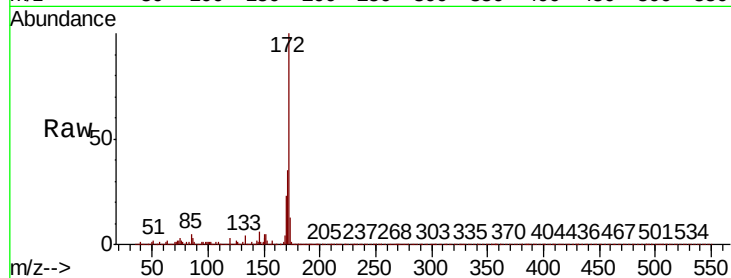




#45
2-Fluorobiphenyl
Concen: 51.543 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

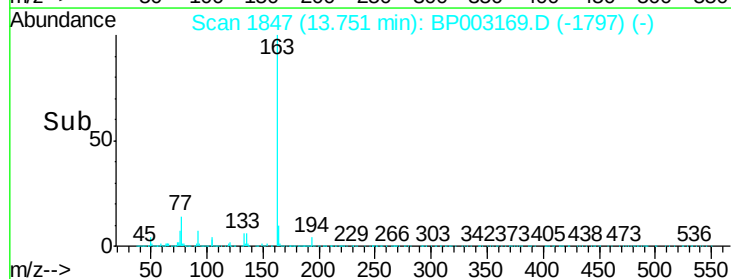
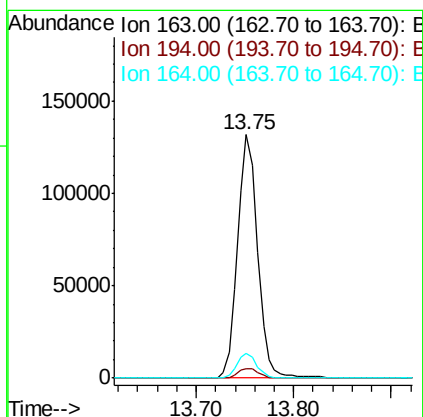
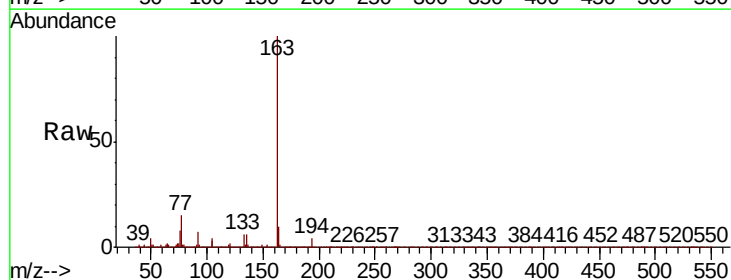
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-04-B

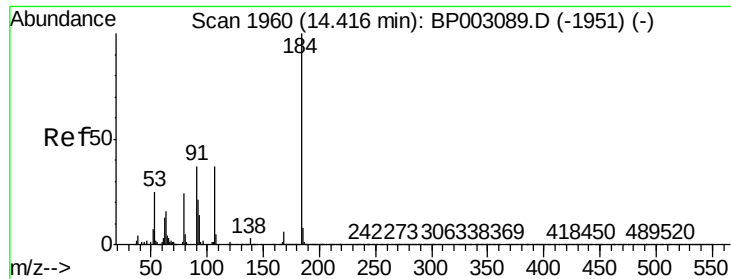
Tot Ion:172 Resp: 1102455
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.2 19.2 28.8



#50
Dimethylphthalate
Concen: 7.894 ng
RT: 13.75 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

Tgt Ion:163 Resp: 188557
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.3 8.2 12.2

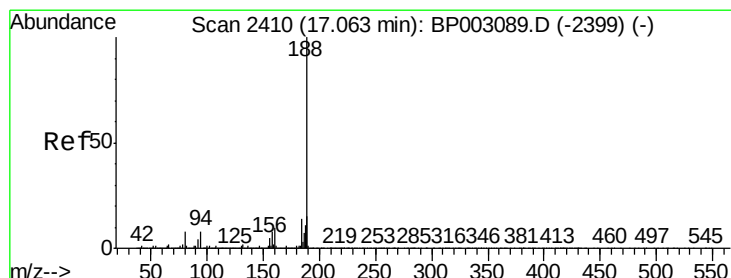
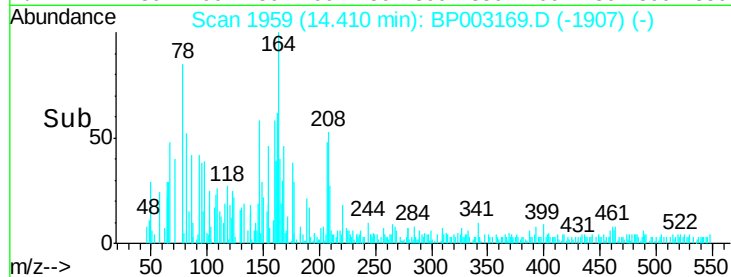
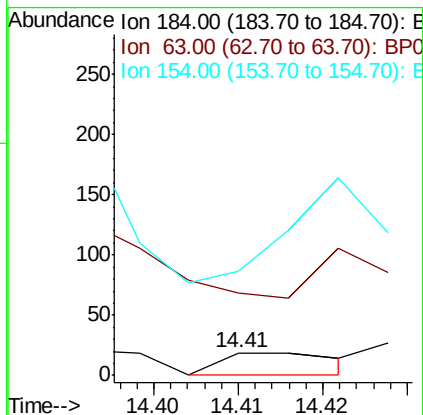
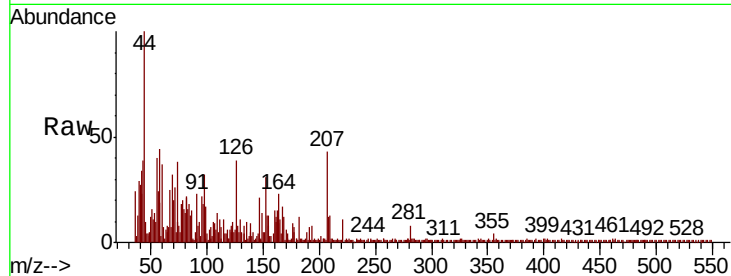




#54
2,4-Dinitrophenol
Concen: 7.761 ng
RT: 14.41 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

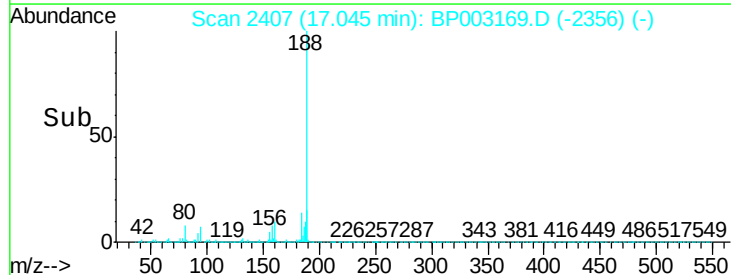
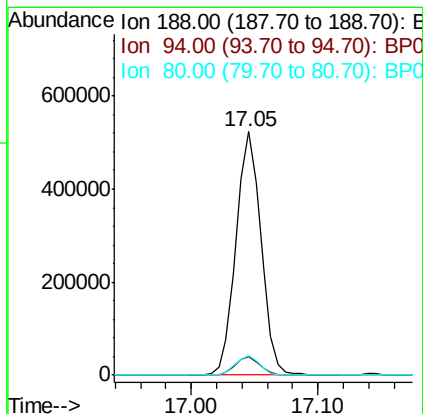
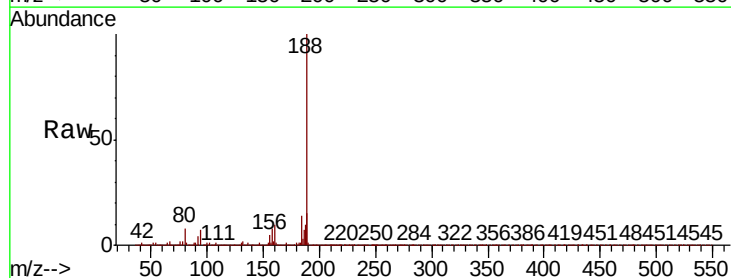
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-04-B

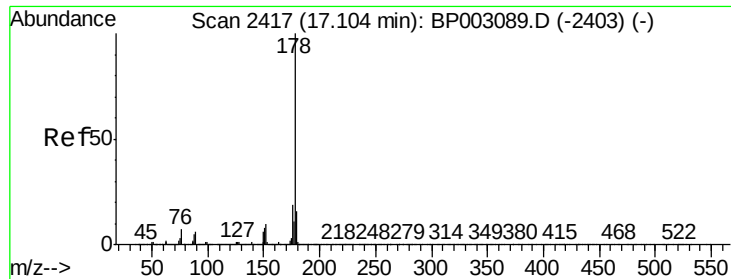
Tot Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 357.9 32.3 48.5#
154 452.6 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

Tgt Ion:188 Resp: 712838
Ion Ratio Lower Upper
188 100
94 7.4 6.2 9.2
80 7.9 6.2 9.2

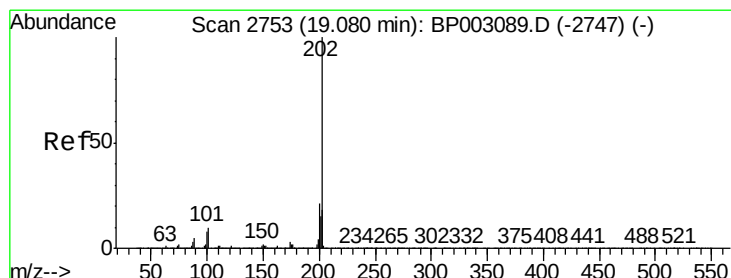
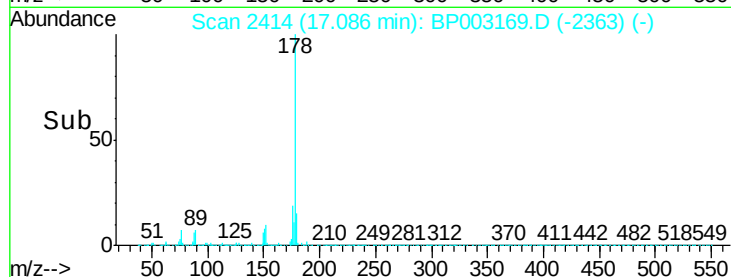
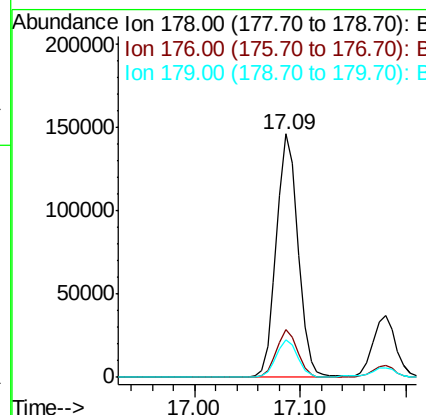
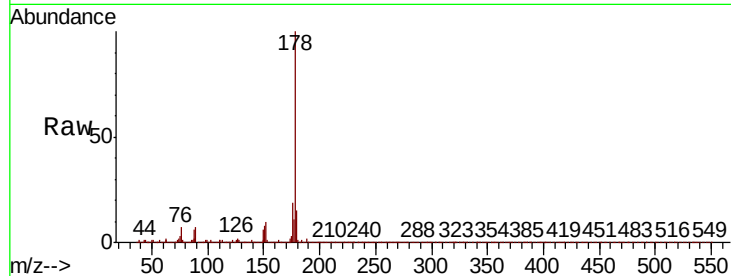




#71
Phenanthrene
Concen: 5.338 ng
RT: 17.09 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

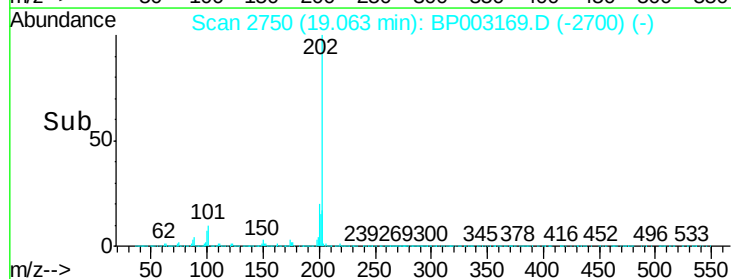
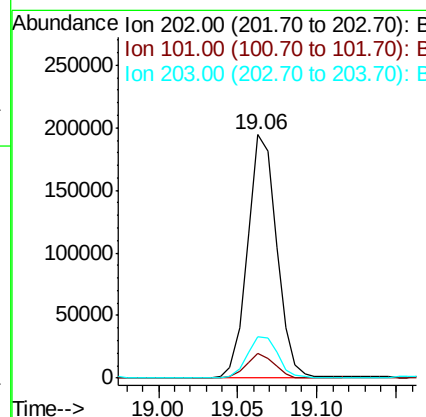
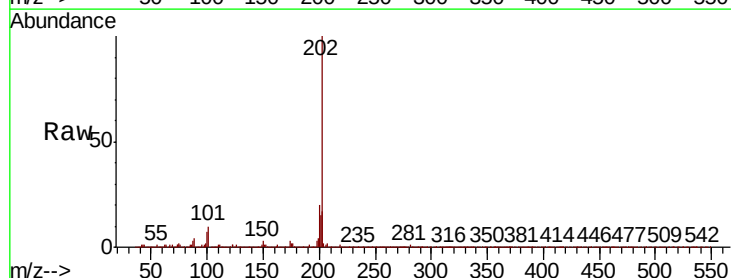
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-04-B

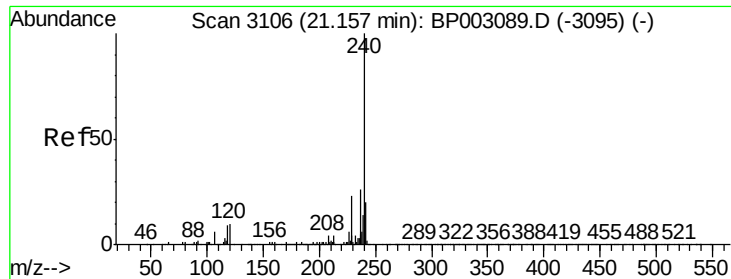
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.3	12.5	18.7



#75
Fluoranthene
Concen: 5.555 ng
RT: 19.06 min Scan# 2750
Delta R.T. -0.01 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.4
203	17.1	0.0	37.8

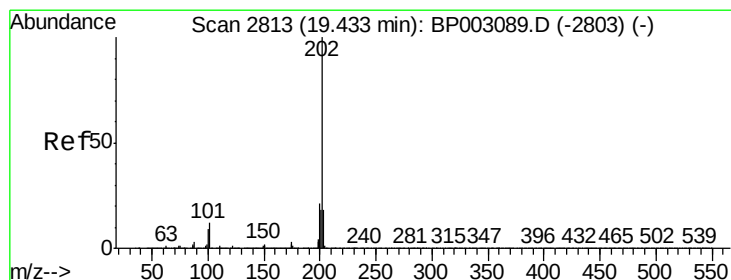
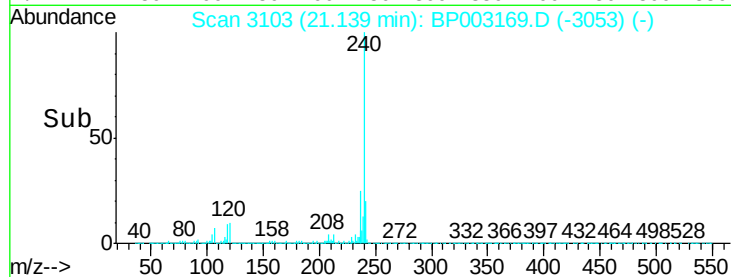
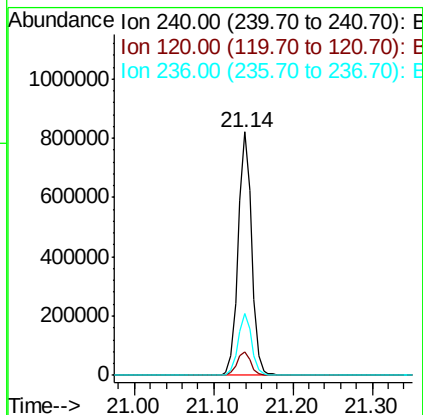
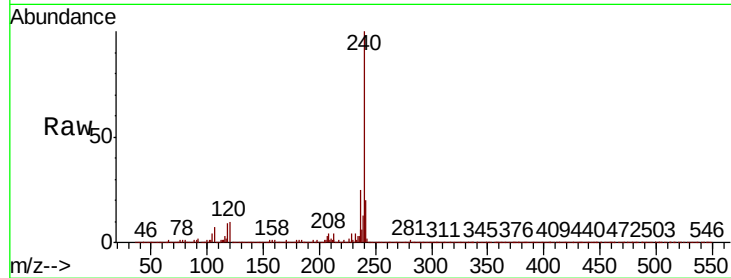




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

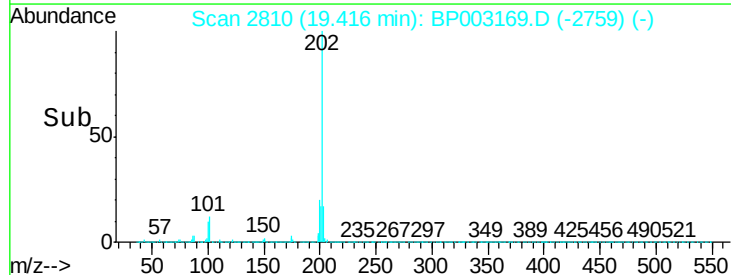
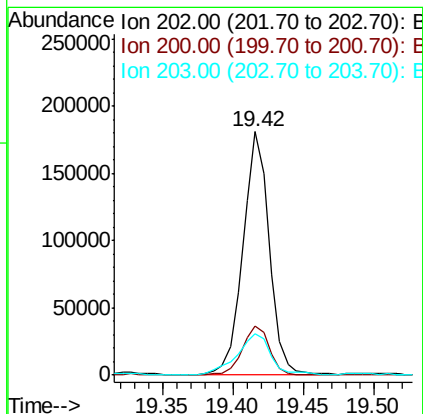
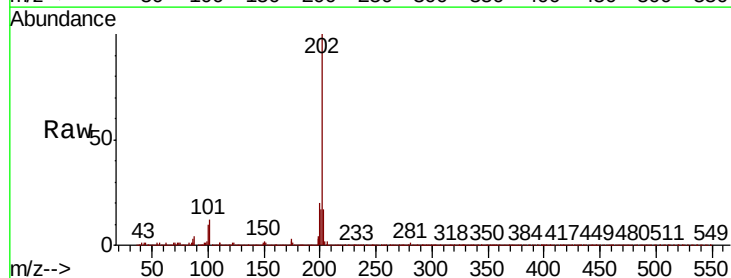
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-04-B

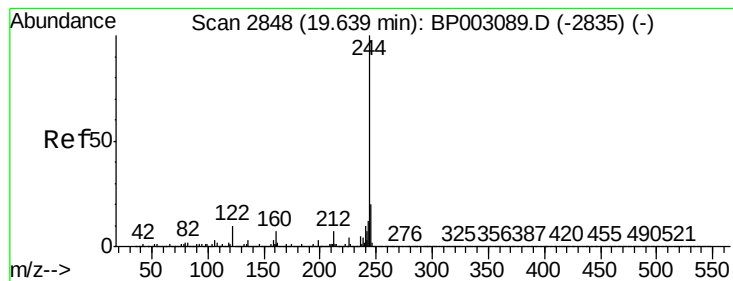
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.8	11.6
236	25.5	20.8	31.2



#78
Pyrene
Concen: 3.771 ng
RT: 19.42 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.1	25.7
203	17.1	14.2	21.2





#79

Terphenyl-d14

Concen: 43.905 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003169.D

Acq: 01 Sep 2020 16:25

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-04-B

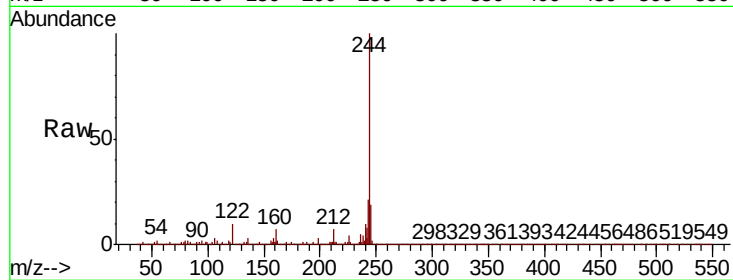
Tot Ion:244 Resp: 1913058

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

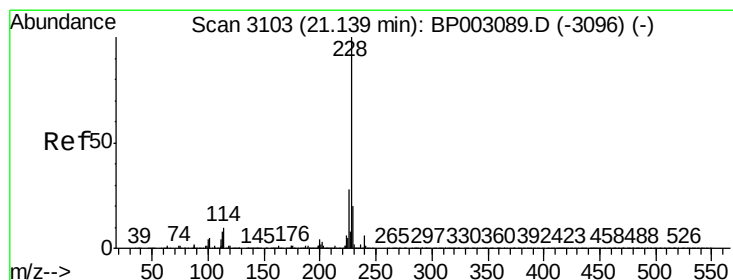
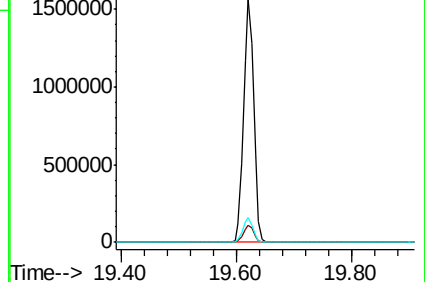
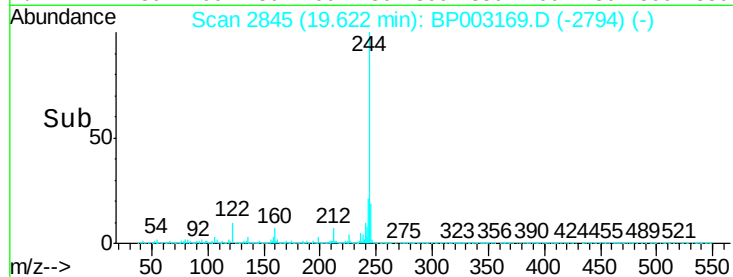
122 10.0 7.8 11.8



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: 2.630 ng

RT: 21.12 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BP003169.D

Acq: 01 Sep 2020 16:25

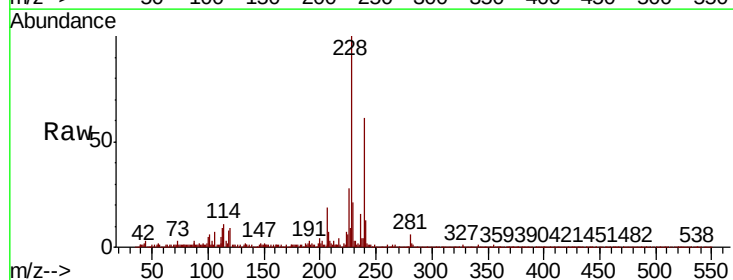
Tgt Ion:228 Resp: 157954

Ion Ratio Lower Upper

228 100

226 28.3 22.1 33.1

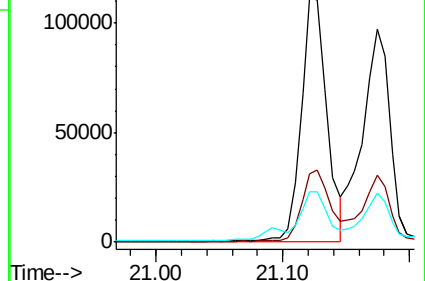
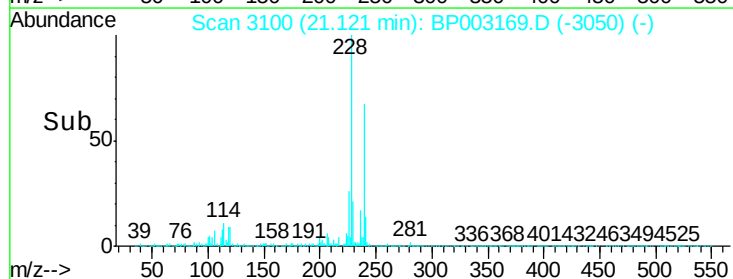
229 20.7 15.9 23.9

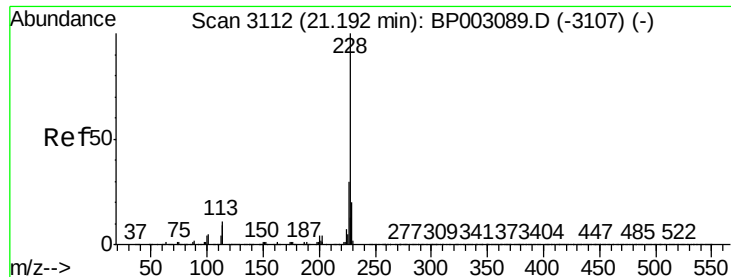


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.548 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BP003169.D

Acq: 01 Sep 2020 16:25

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-04-B

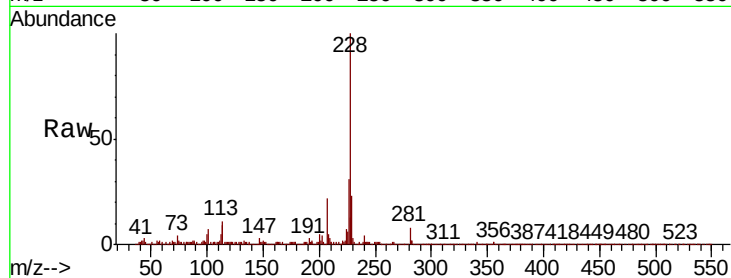
Tot Ion:228 Resp: 146514

Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

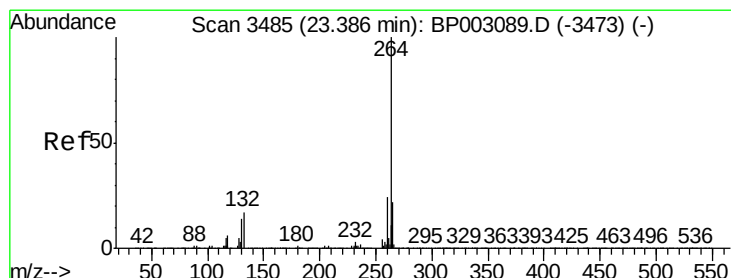
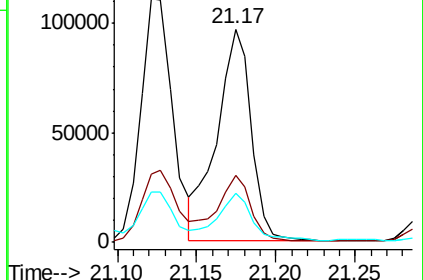
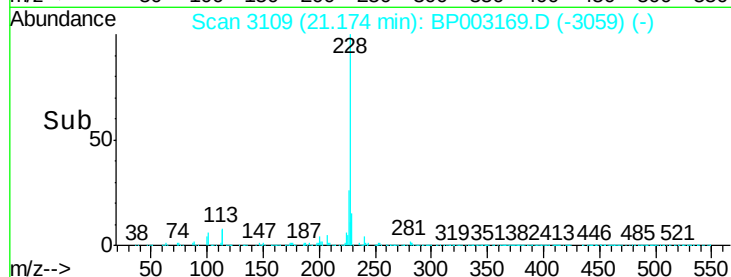
229 23.0 15.8 23.6



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: BP003169.D

Acq: 01 Sep 2020 16:25

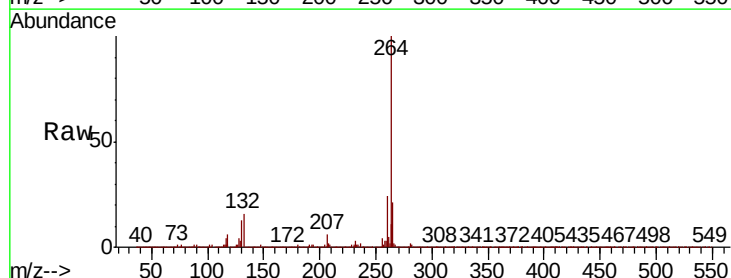
Tgt Ion:264 Resp: 1286177

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

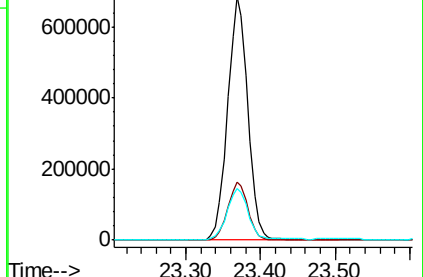
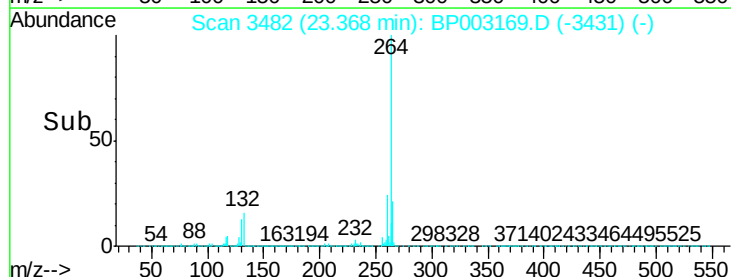
265 21.3 17.4 26.2

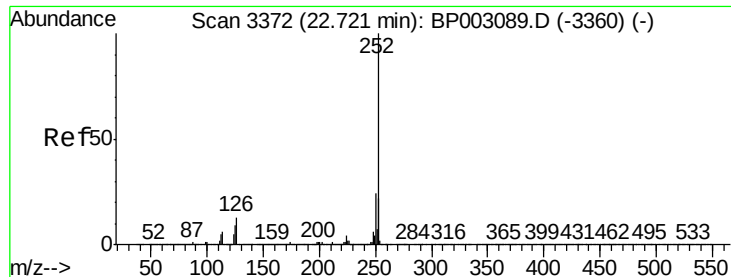


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

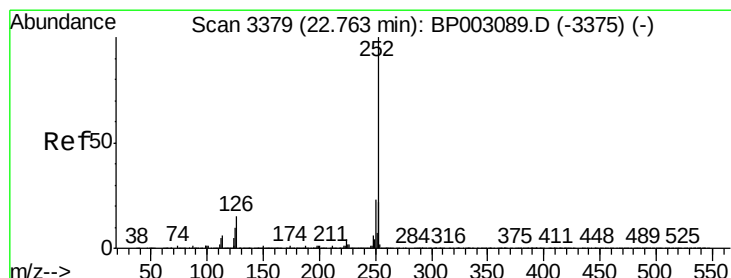
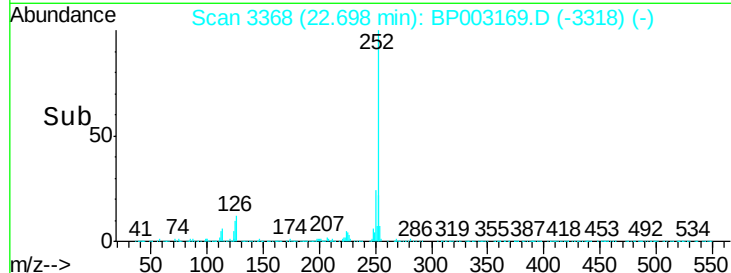
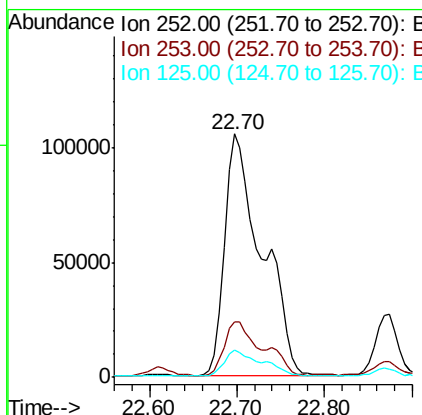
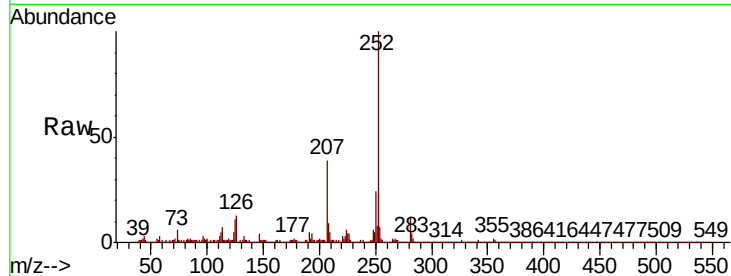




#88
Benzo(b)fluoranthene
Concen: 3.869 ng
RT: 22.70 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

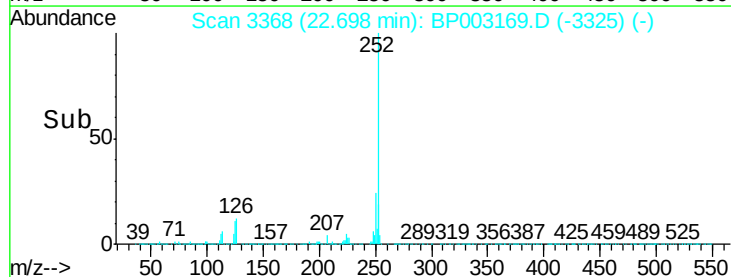
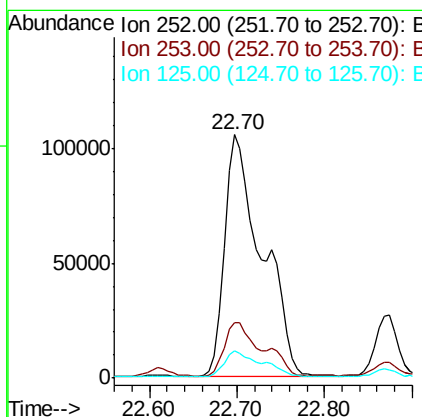
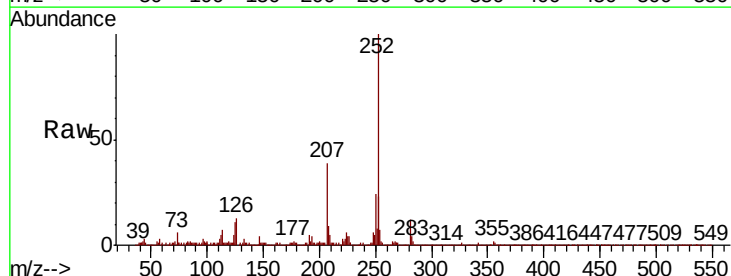
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-04-B

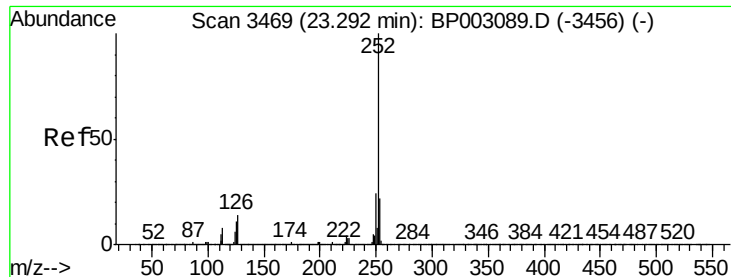
Tot Ion:252 Resp: 309289
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 11.1 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 4.049 ng
RT: 22.70 min Scan# 3368
Delta R.T. -0.05 min
Lab File: BP003169.D
Acq: 01 Sep 2020 16:25

Tgt Ion:252 Resp: 309289
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.1 7.4 11.2





#90

Benzo(a)pyrene

Concen: 2.475 ng

RT: 23.27 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BP003169.D

Acq: 01 Sep 2020 16:25

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-04-B

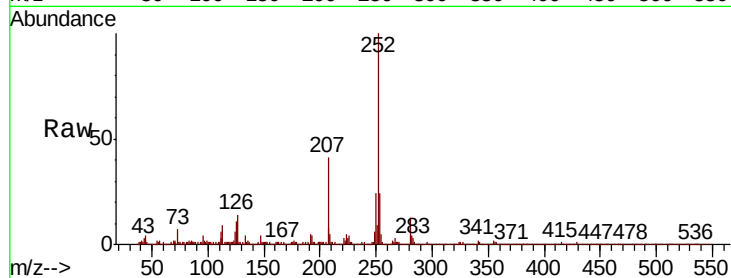
Tot Ion:252 Resp: 183551

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

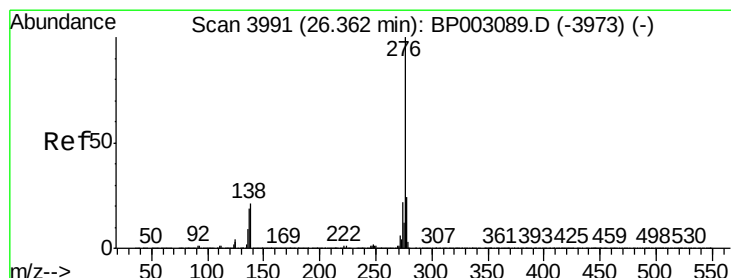
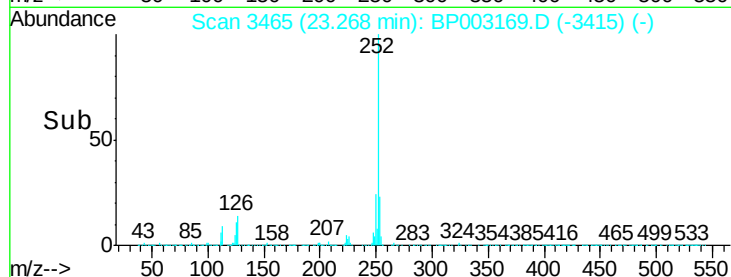
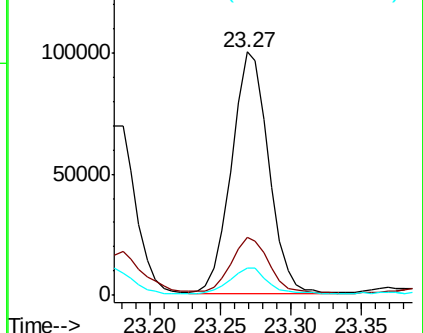
125 11.3 8.2 12.4



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



#92

Benzo(g,h,i)perylene

Concen: 2.213 ng

RT: 26.32 min Scan# 3984

Delta R.T. -0.01 min

Lab File: BP003169.D

Acq: 01 Sep 2020 16:25

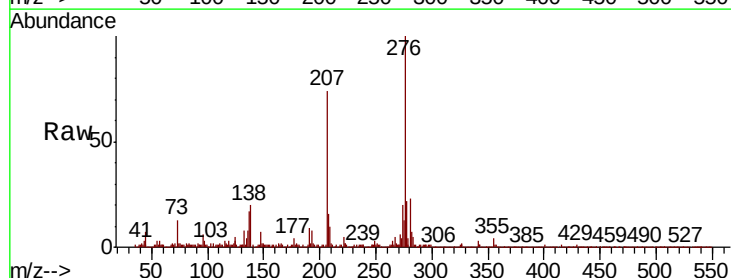
Tgt Ion:276 Resp: 175006

Ion Ratio Lower Upper

276 100

277 22.0 19.0 28.6

138 19.8 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

