

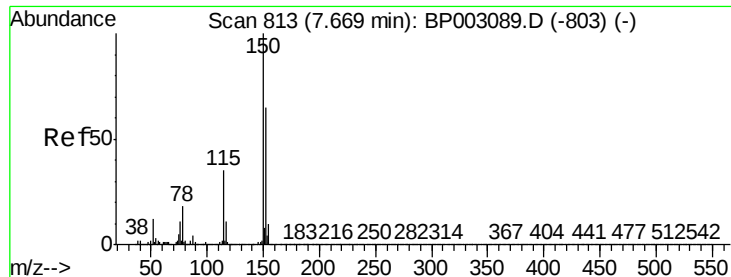
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090220\
 Data File : BP003183.D
 Acq On : 02 Sep 2020 13:04
 Operator : CG/JU
 Sample : L3848-09RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LINDEN-BH-01-ARE

Quant Time: Sep 02 15:06:57 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	111011	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	470853	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	310539	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	743956	20.00	ng	0.00
76) Chrysene-d12	21.14	240	1118967	20.00	ng	0.00
86) Perylene-d12	23.37	264	1398177	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1361	0.22	ng	0.00
7) Phenol-d6	6.83	99	11906	1.51	ng	0.00
23) Nitrobenzene-d5	8.79	82	275207	42.14	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	1032	0.25	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	842712	39.74	ng	0.00
79) Terphenyl-d14	19.62	244	1684038	33.12	ng	0.00
Target Compounds						
25) Isophorone	9.36	82	28157	2.443	ng	96
32) Benzoic acid	9.70	122	289	9.050	ng	91
54) 2,4-Dinitrophenol	14.40	184	125	7.797	ng	# 1
75) Fluoranthene	19.07	202	225395	4.838	ng	100
78) Pyrene	19.42	202	247451	3.407	ng	99
81) Benzo(a)anthracene	21.13	228	185747	2.650	ng	95
83) Chrysene	21.13	228	185747	2.768	ng	96
88) Benzo(b)fluoranthene	22.70	252	379753	4.370	ng	# 88
89) Benzo(k)fluoranthene	22.70	252	379753	4.574	ng	# 89
90) Benzo(a)pyrene	23.27	252	216912	2.691	ng	# 93

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

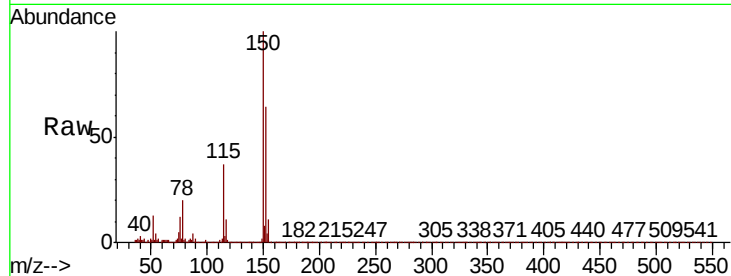


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-01-ARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	123.8	185.6
115	57.0	43.8	65.6

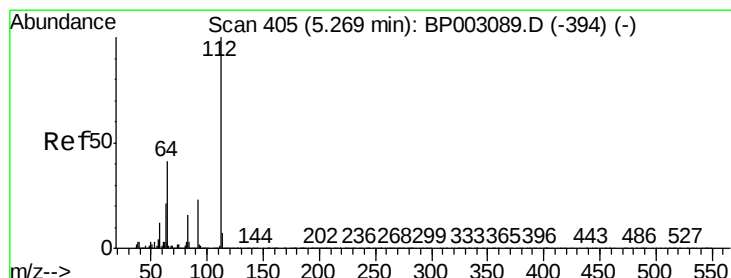
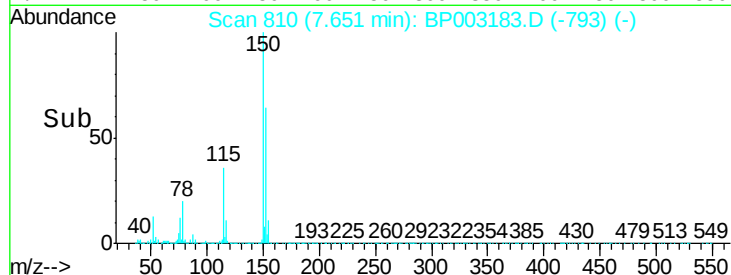
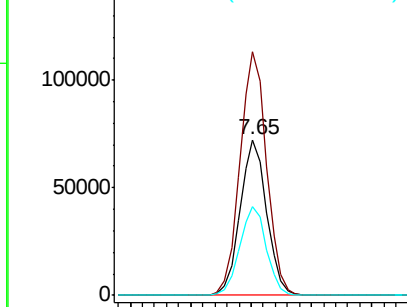


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

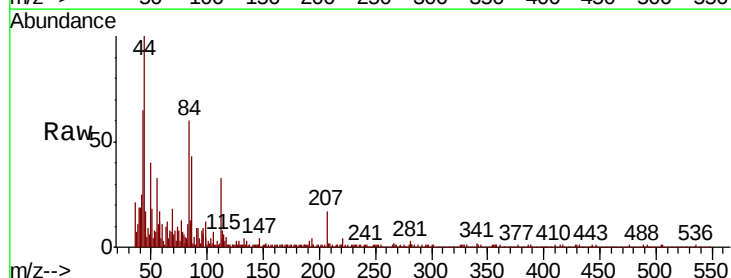
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.217 ng
RT: 5.26 min Scan# 403
Delta R.T. -0.01 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	36.5	32.8	49.2
63	32.0	17.0	25.4

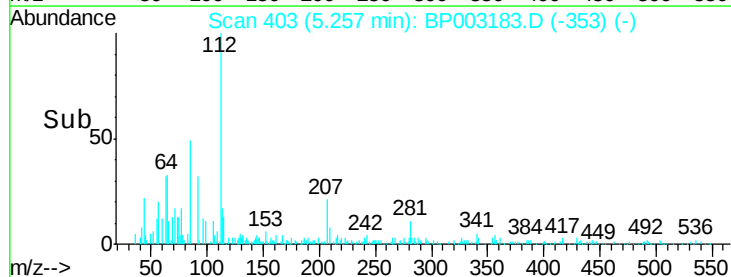
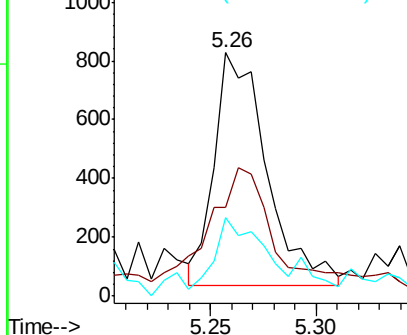


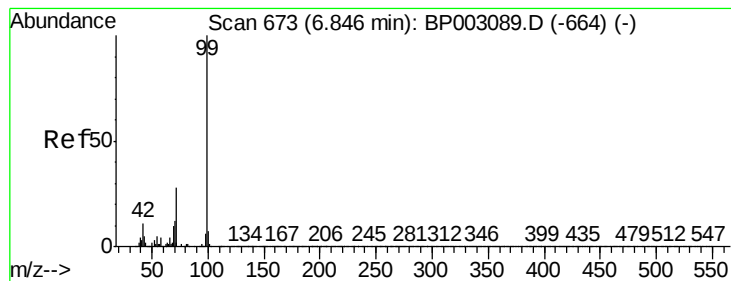
Abundance

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: 1.513 ng

RT: 6.83 min Scan# 671

Delta R.T. -0.00 min

Lab File: BP003183.D

Acq: 02 Sep 2020 13:04

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-01-ARE

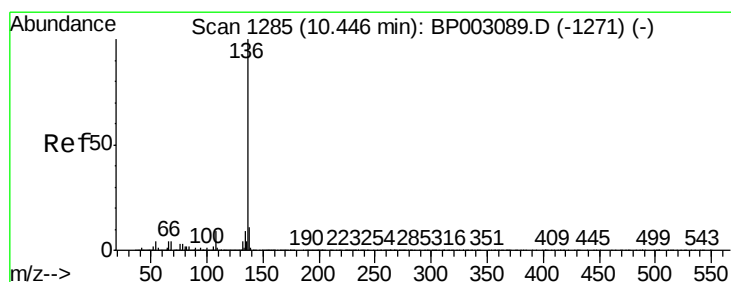
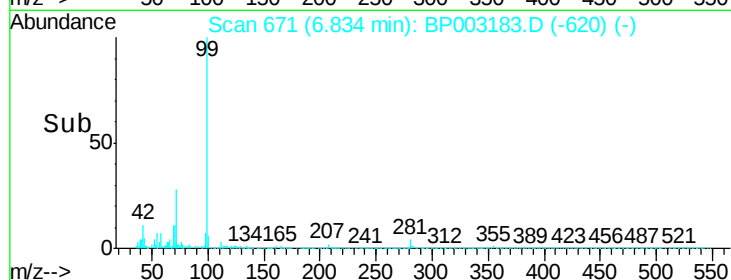
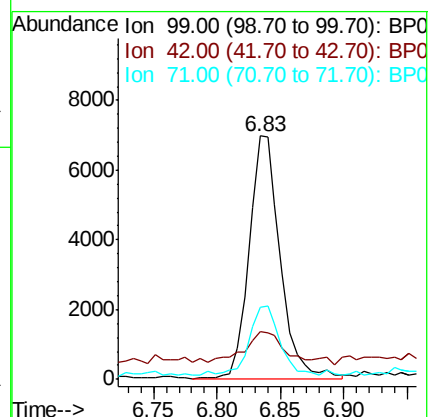
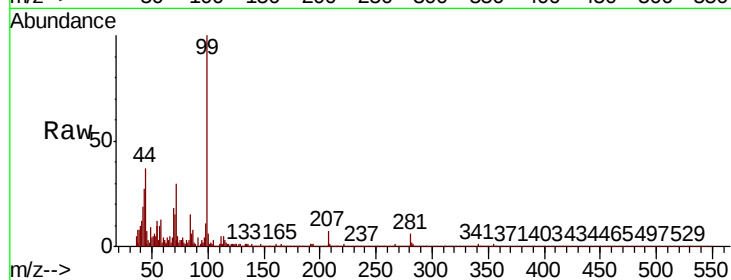
Tot Ion: 99 Resp: 11906

Ion Ratio Lower Upper

99 100

42 19.4 8.6 13.0#

71 29.5 23.4 35.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BP003183.D

Acq: 02 Sep 2020 13:04

Tgt Ion: 136 Resp: 470853

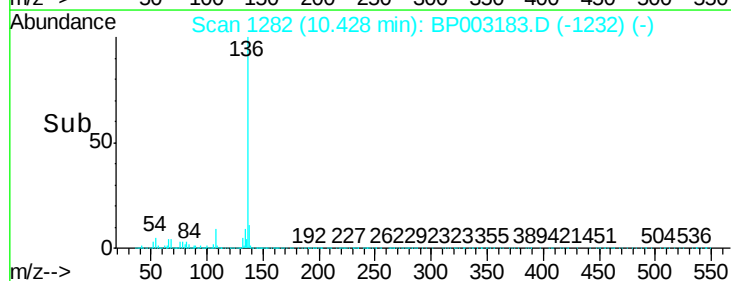
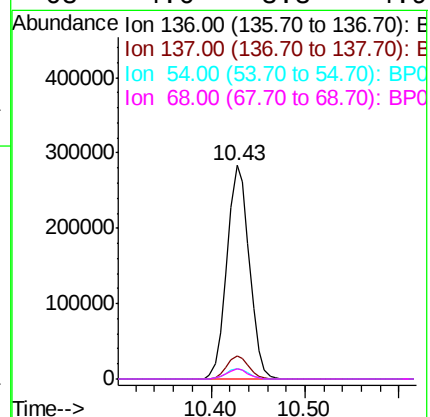
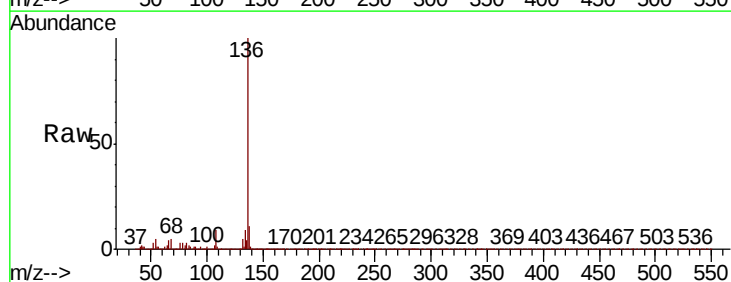
Ion Ratio Lower Upper

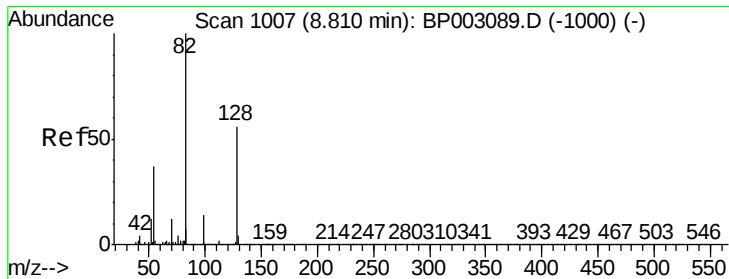
136 100

137 10.8 8.6 13.0

54 4.7 3.6 5.4

68 4.6 3.3 4.9

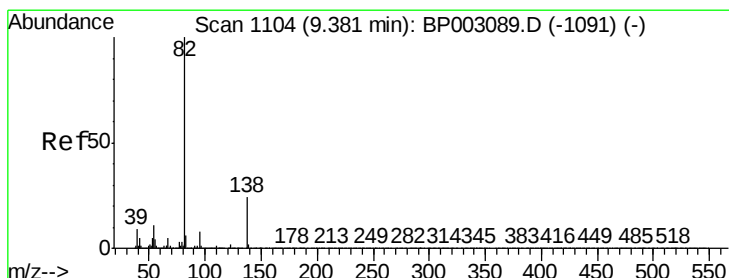
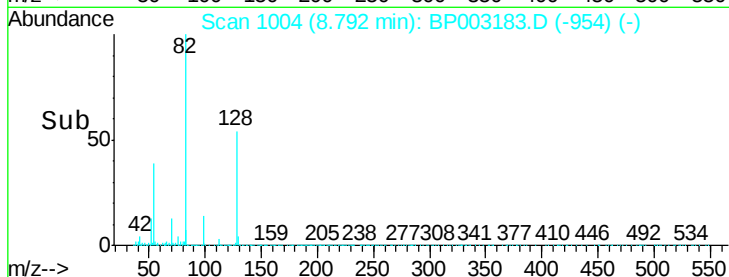
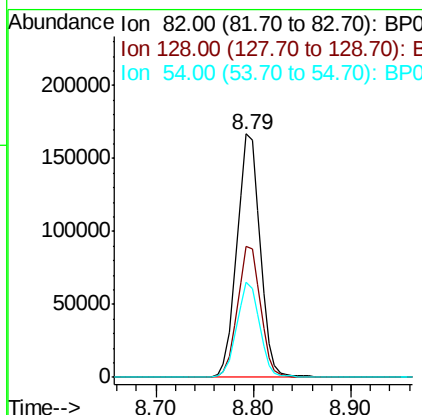
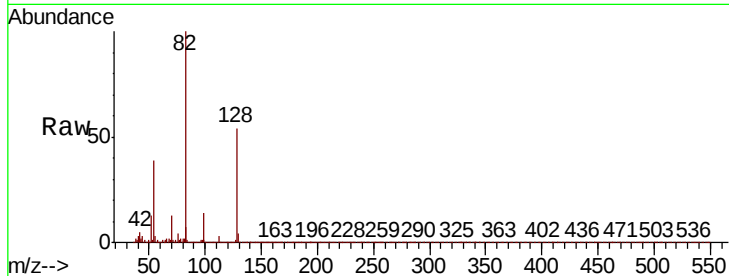




#23
Nitrobenzene-d5
Concen: 42.136 ng
RT: 8.79 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

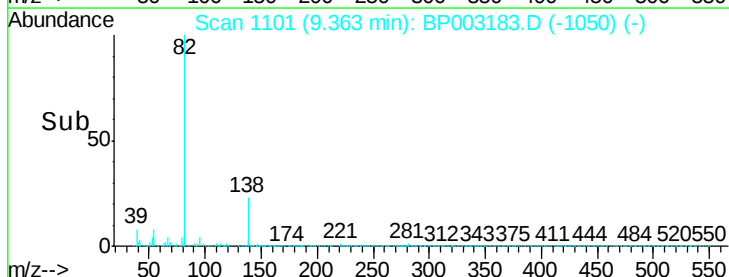
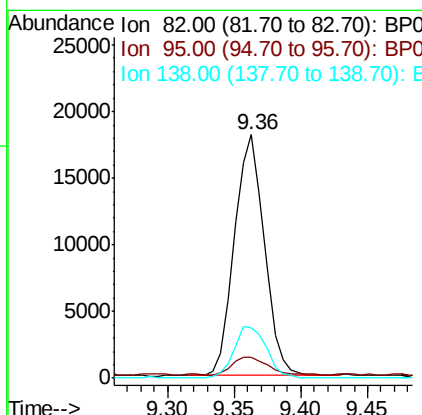
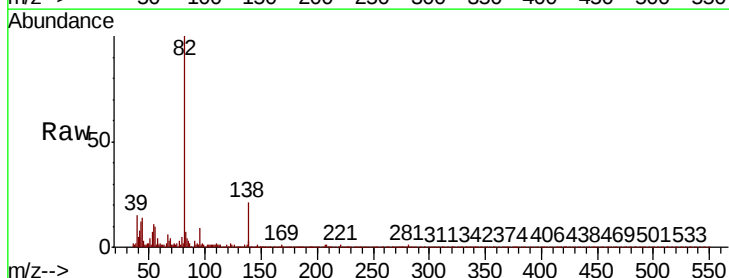
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-01-ARE

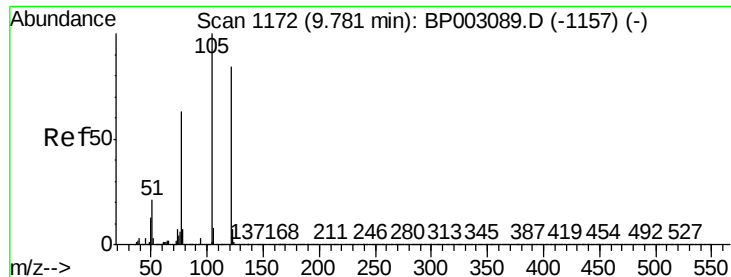
Tot Ion:	82	Resp:	275207
Ion	Ratio	Lower	Upper
82	100		
128	53.7	45.6	68.4
54	39.2	30.1	45.1



#25
Isophorone
Concen: 2.443 ng
RT: 9.36 min Scan# 1101
Delta R.T. -0.00 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Tgt Ion:	82	Resp:	28157
Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.4	9.6
138	20.9	18.7	28.1

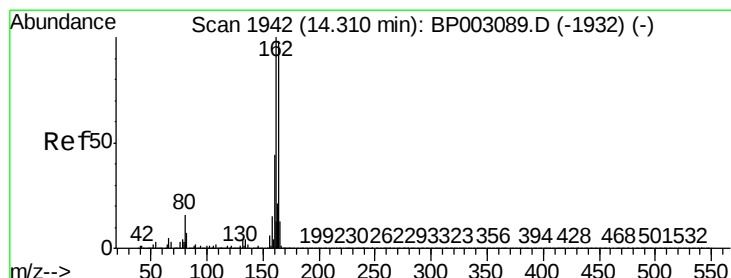
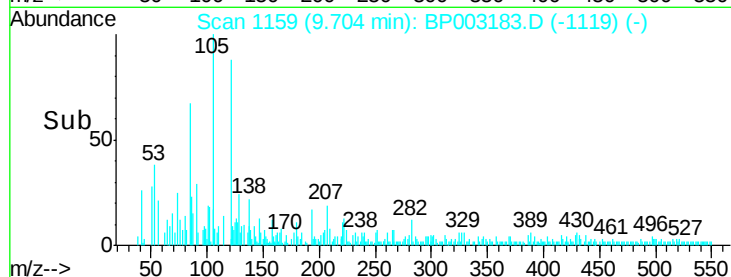
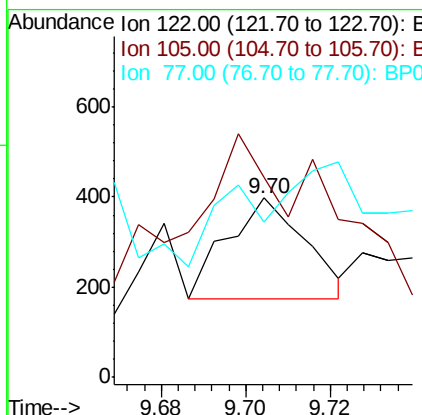
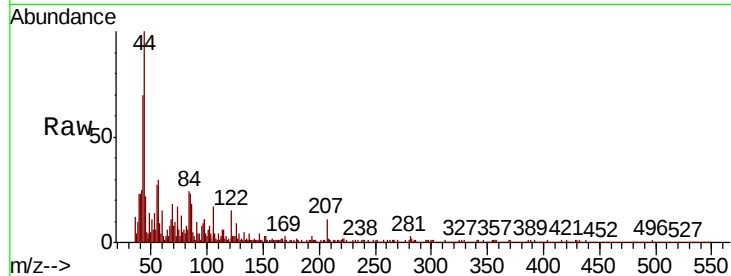




#32
Benzoic acid
Concen: 9.050 ng
RT: 9.70 min Scan# 1159
Delta R.T. -0.07 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

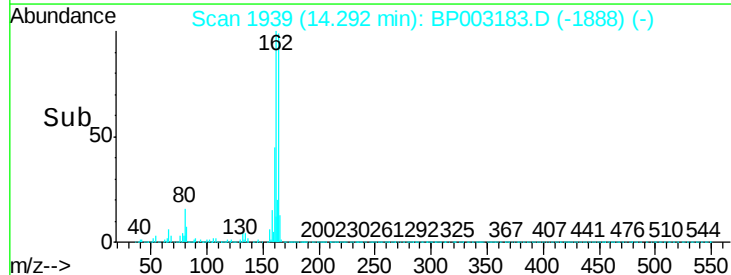
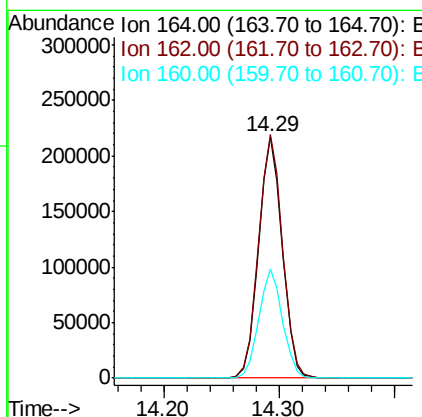
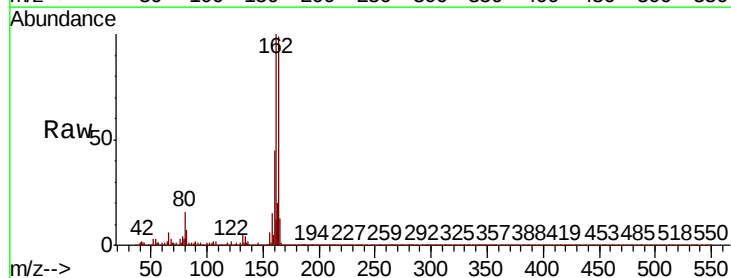
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-01-ARE

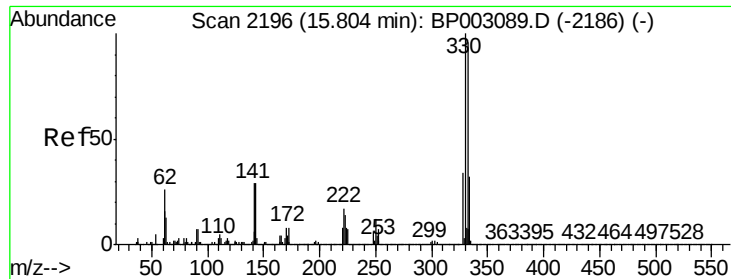
Tot Ion:122 Resp: 289
Ion Ratio Lower Upper
122 100
105 111.8 94.1 134.1
77 86.4 50.1 90.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.29 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Tgt Ion:164 Resp: 310539
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.2
160 45.4 36.1 54.1

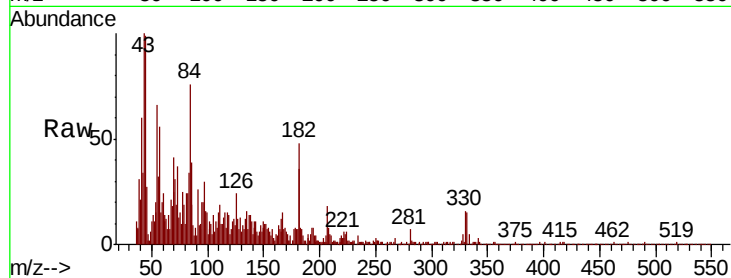




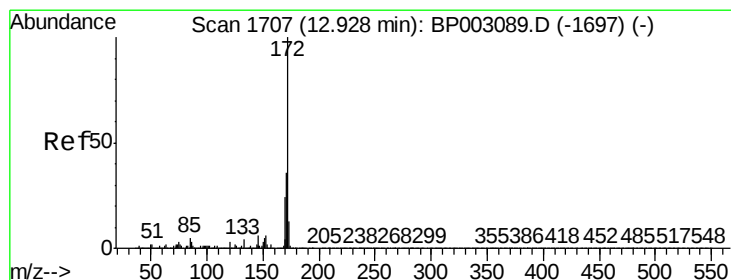
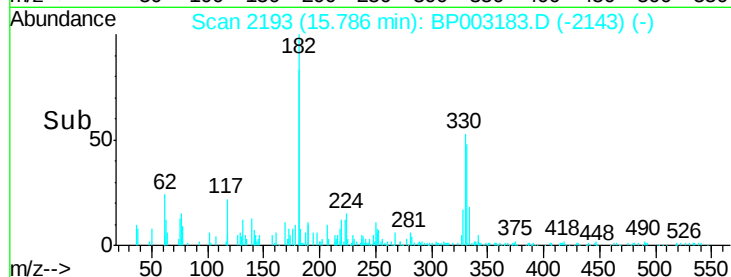
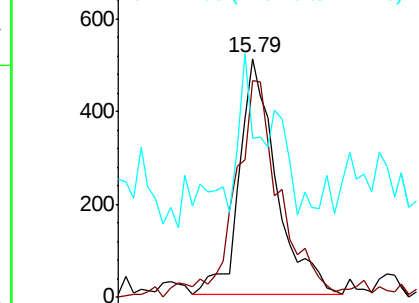
#42
2,4,6-Tribromophenol
Concen: 0.246 ng
RT: 15.79 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-01-ARE

Tot Ion	Ratio	Lower	Upper
330	100		
332	111.3	77.1	115.7
141	32.6	23.4	35.2

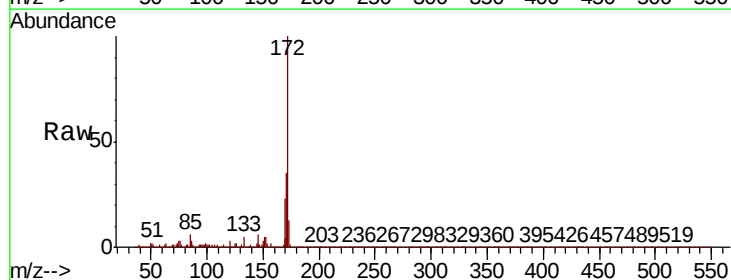


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

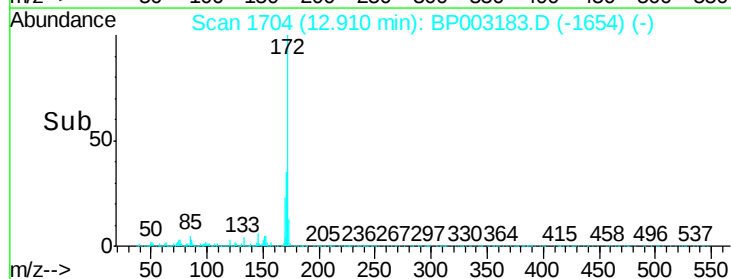
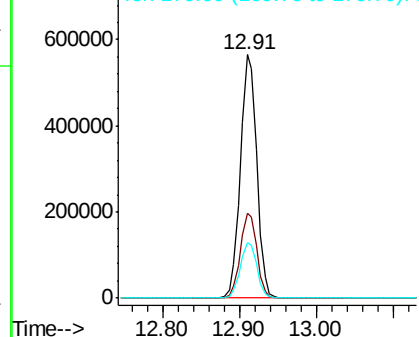


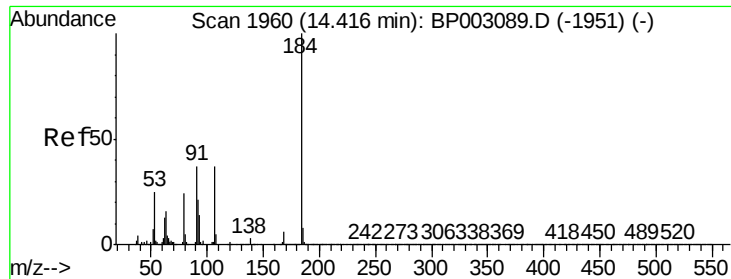
#45
2-Fluorobiphenyl
Concen: 39.741 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	23.0	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

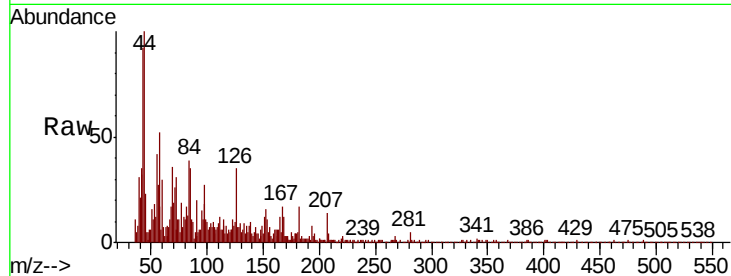




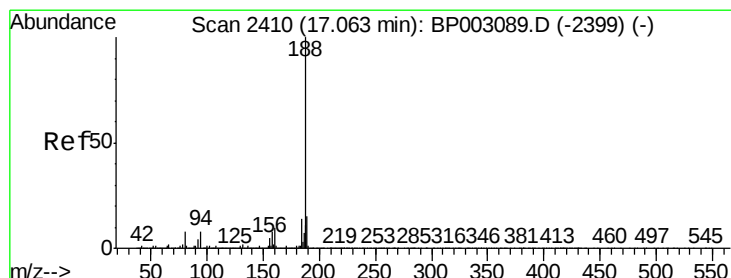
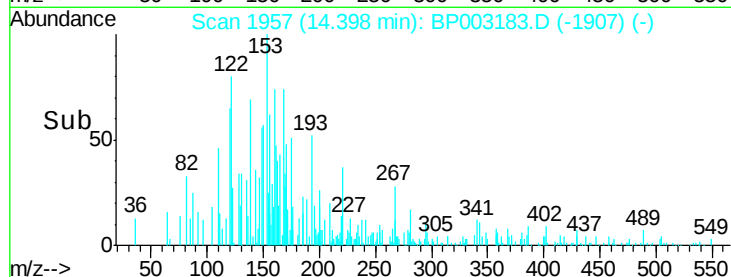
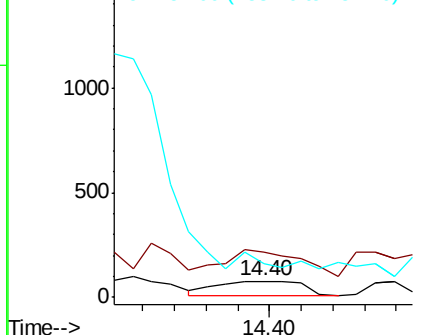
#54
2,4-Dinitrophenol
Concen: 7.797 ng
RT: 14.40 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-01-ARE

Tot Ion:184 Resp: 125
Ion Ratio Lower Upper
184 100
63 283.1 32.3 48.5#
154 205.2 49.1 73.7#

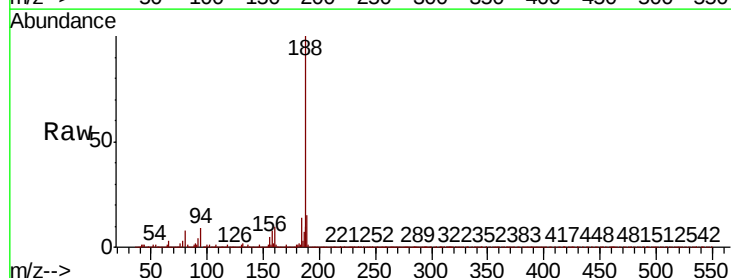


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BP0
Ion 154.00 (153.70 to 154.70): E

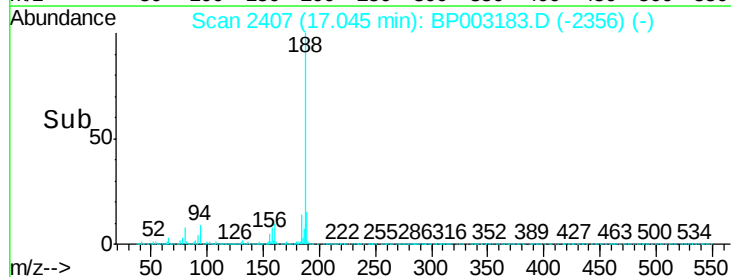
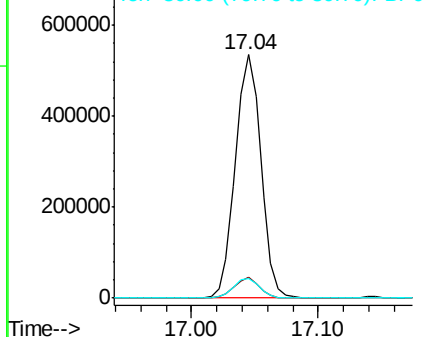


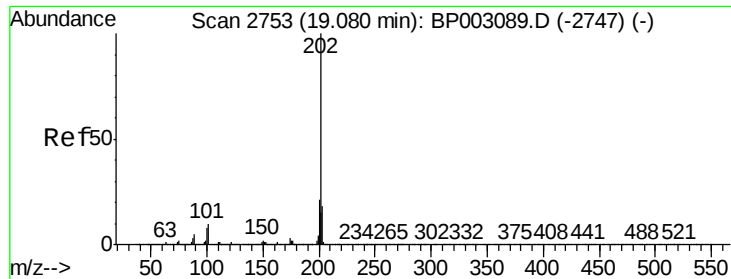
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.04 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Tgt Ion:188 Resp: 743956
Ion Ratio Lower Upper
188 100
94 8.6 6.2 9.2
80 8.2 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





#75

Fluoranthene

Concen: 4.838 ng

RT: 19.07 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BP003183.D

Acq: 02 Sep 2020 13:04

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-01-ARE

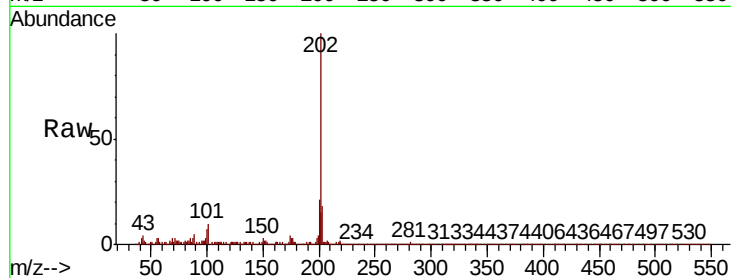
Tot Ion:202 Resp: 225395

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.4

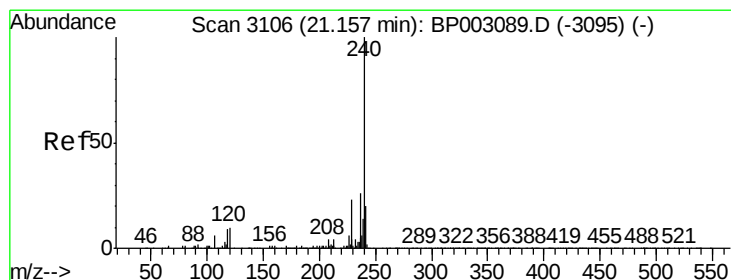
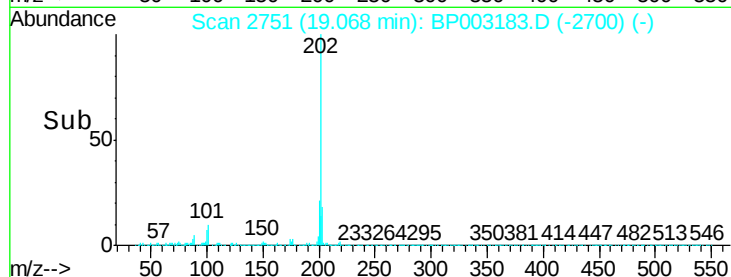
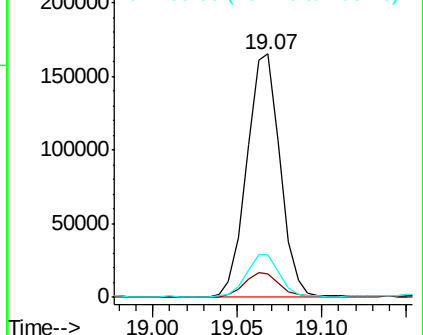
203 17.7 0.0 37.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BP003183.D

Acq: 02 Sep 2020 13:04

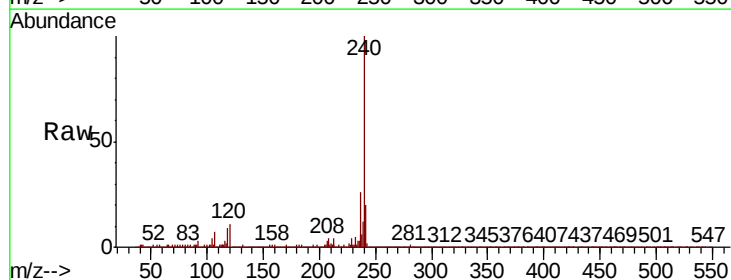
Tgt Ion:240 Resp: 1118967

Ion Ratio Lower Upper

240 100

120 10.8 7.8 11.6

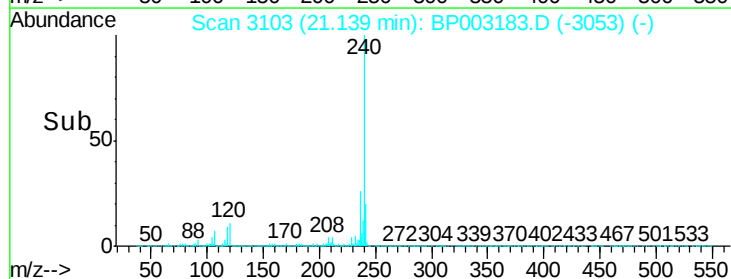
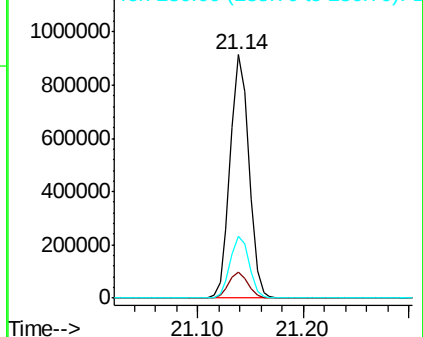
236 25.6 20.8 31.2

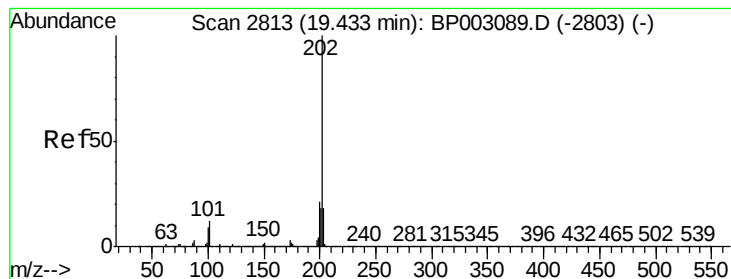


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.407 ng

RT: 19.42 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BP003183.D

Acq: 02 Sep 2020 13:04

Instrument :

BNA_P

ClientSampleId :

LINDEN-BH-01-ARE

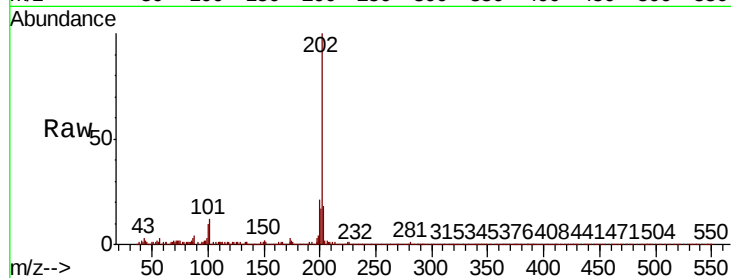
Tot Ion:202 Resp: 247451

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

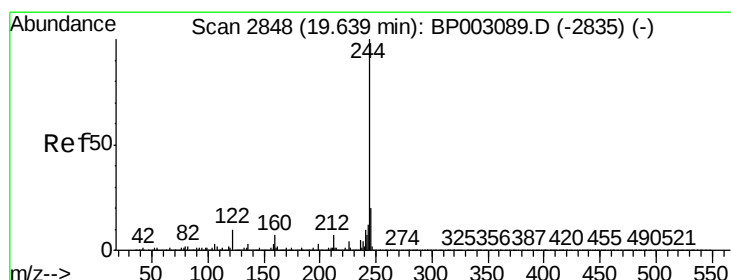
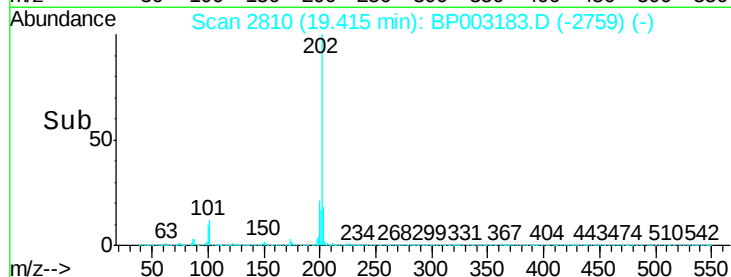
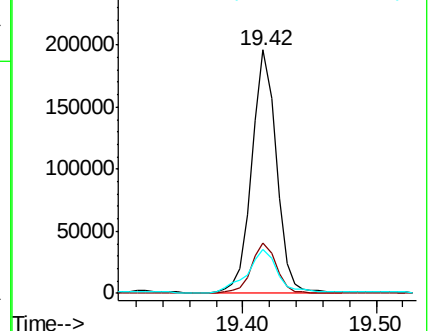
203 17.9 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 33.116 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003183.D

Acq: 02 Sep 2020 13:04

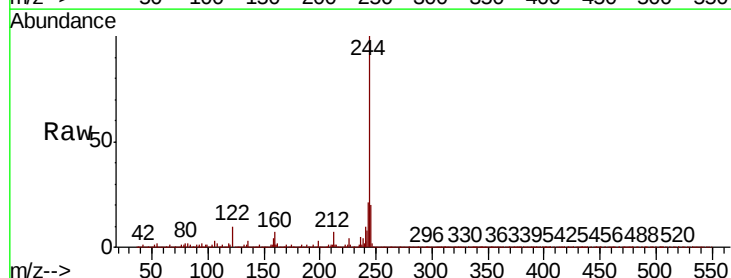
Tgt Ion:244 Resp: 1684038

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

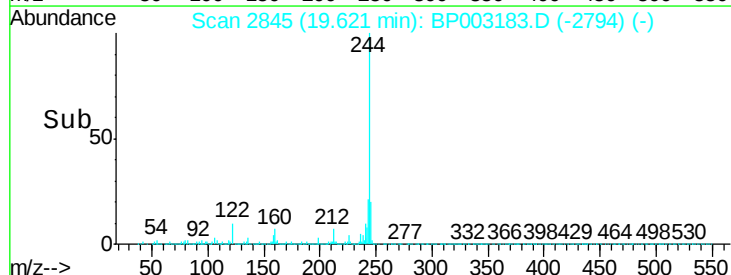
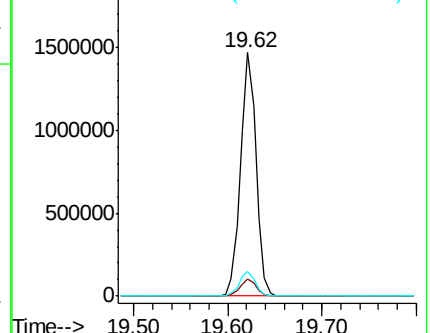
122 10.3 7.8 11.8

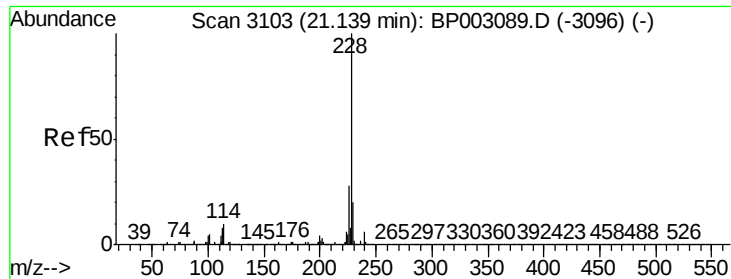


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

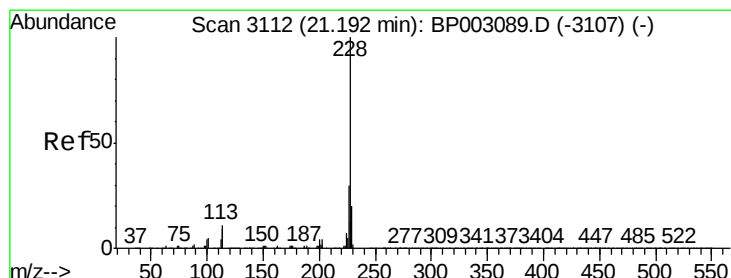
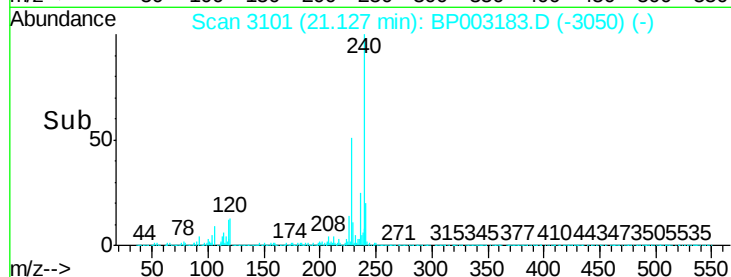
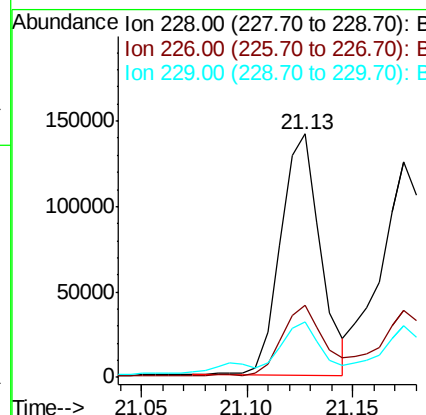
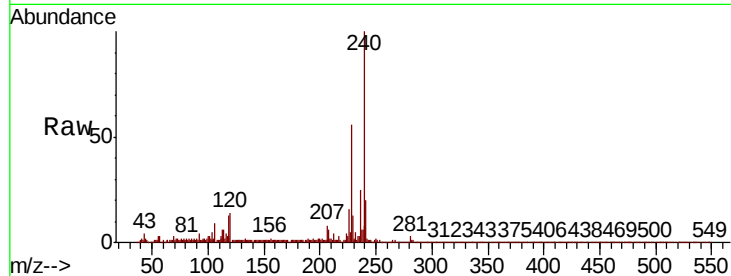




#81
Benzo(a)anthracene
Concen: 2.650 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

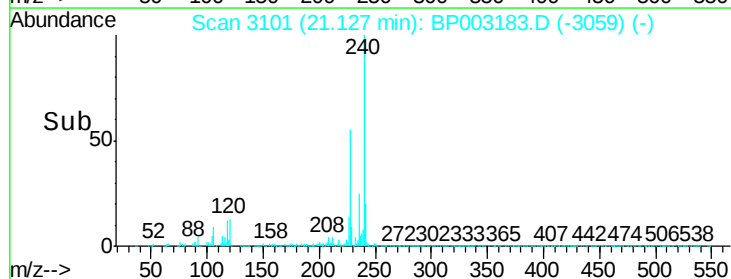
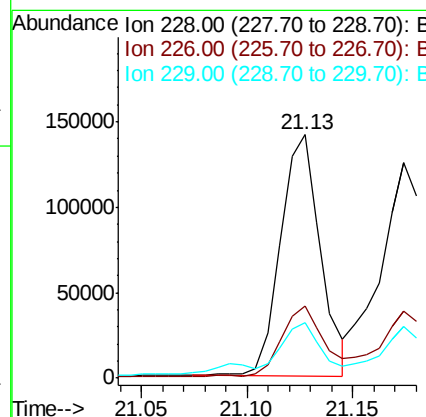
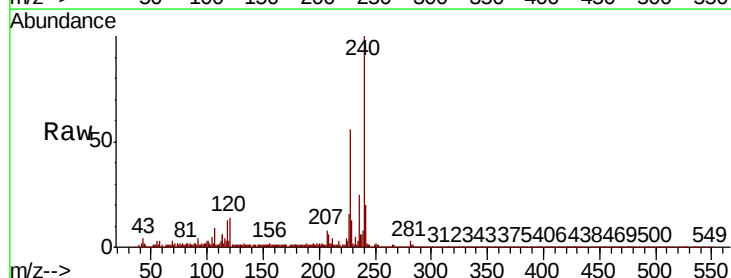
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-01-ARE

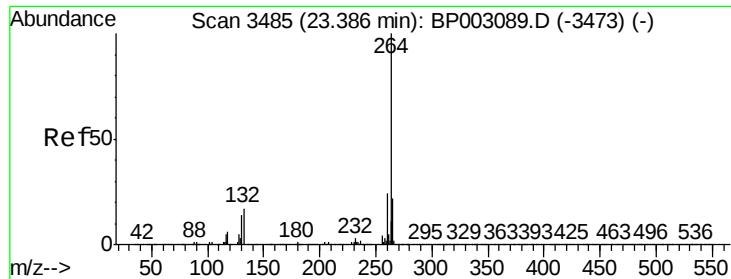
Tot Ion:228 Resp: 185747
Ion Ratio Lower Upper
228 100
226 29.5 22.1 33.1
229 22.6 15.9 23.9



#83
Chrysene
Concen: 2.768 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.05 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Tgt Ion:228 Resp: 185747
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 22.6 15.8 23.6

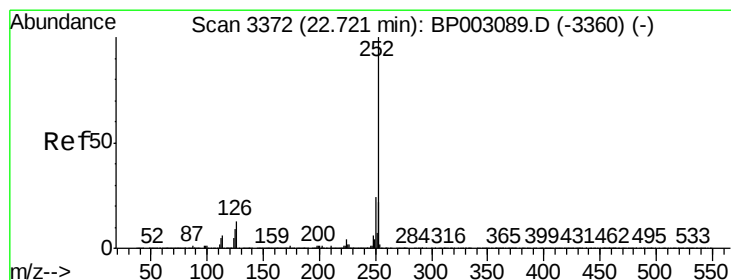
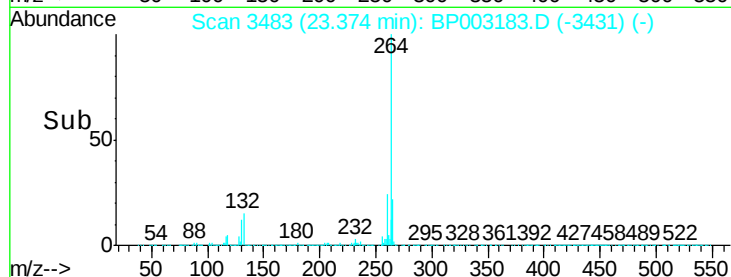
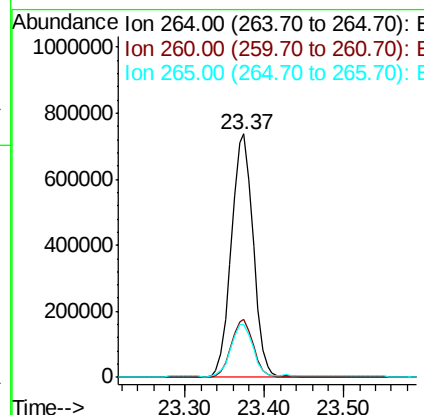
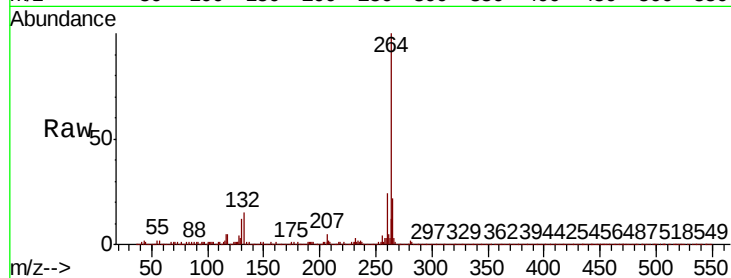




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3483
Delta R.T. 0.01 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

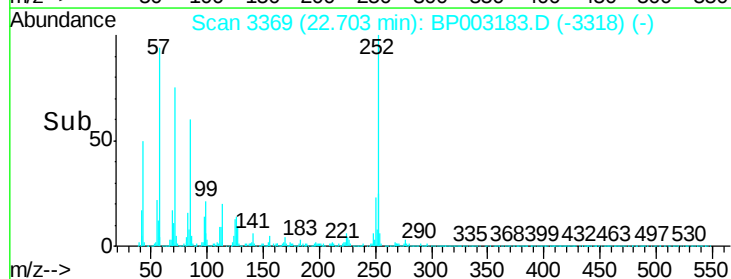
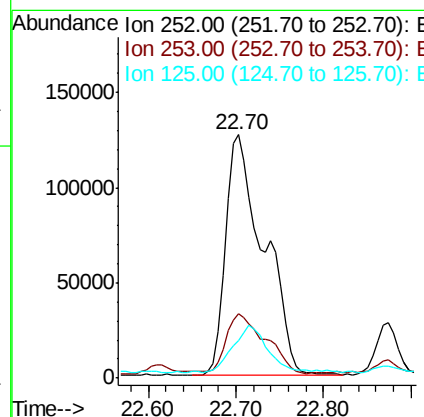
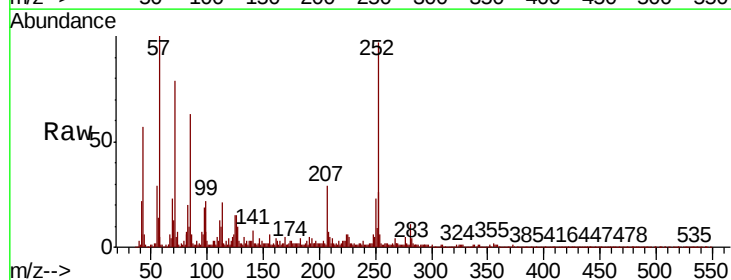
Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-01-ARE

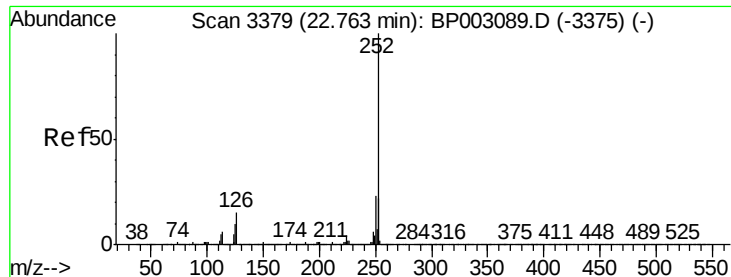
Tot Ion:264 Resp: 1398177
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.9 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 4.370 ng
RT: 22.70 min Scan# 3369
Delta R.T. -0.00 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Tgt Ion:252 Resp: 379753
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4
125 15.6 7.3 10.9#

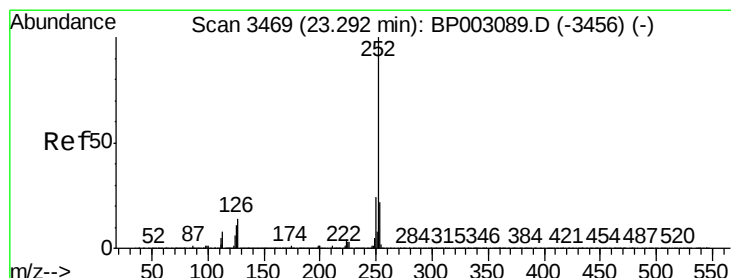
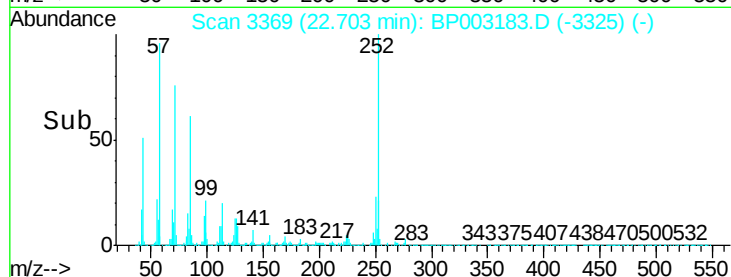
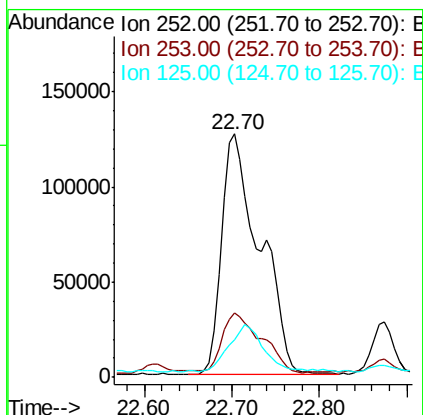
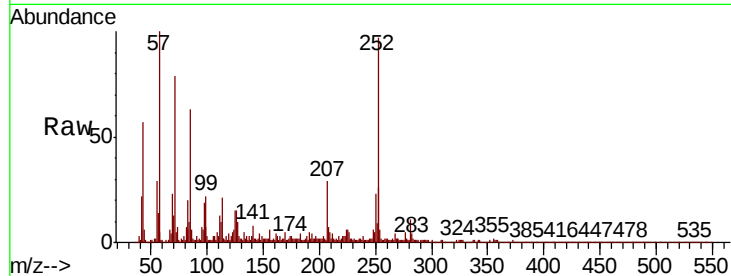




#89
Benzo(k)fluoranthene
Concen: 4.574 ng
RT: 22.70 min Scan# 3369
Delta R.T. -0.04 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Instrument :
BNA_P
ClientSampleId :
LINDEN-BH-01-ARE

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.8	26.8
125	15.6	7.4	11.2



#90
Benzo(a)pyrene
Concen: 2.691 ng
RT: 23.27 min Scan# 3466
Delta R.T. -0.00 min
Lab File: BP003183.D
Acq: 02 Sep 2020 13:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	14.5	8.2	12.4

