

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
 Data File : BP003232.D
 Acq On : 08 Sep 2020 18:04
 Operator : CG/JU
 Sample : L3877-02DL2 50X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1DL

Quant Time: Sep 08 18:33:46 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	249313	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	1017407	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	619125	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1224295	20.00	ng	0.00
76) Chrysene-d12	21.14	240	897630	20.00	ng	0.00
86) Perylene-d12	23.37	264	949771	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	5180	0.37	ng	0.00
7) Phenol-d6	6.84	99	5557	0.31	ng	0.00
23) Nitrobenzene-d5	8.80	82	4948	0.35	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	2829	0.34	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	10768	0.25	ng	0.00
79) Terphenyl-d14	19.62	244	13732	0.34	ng	0.00

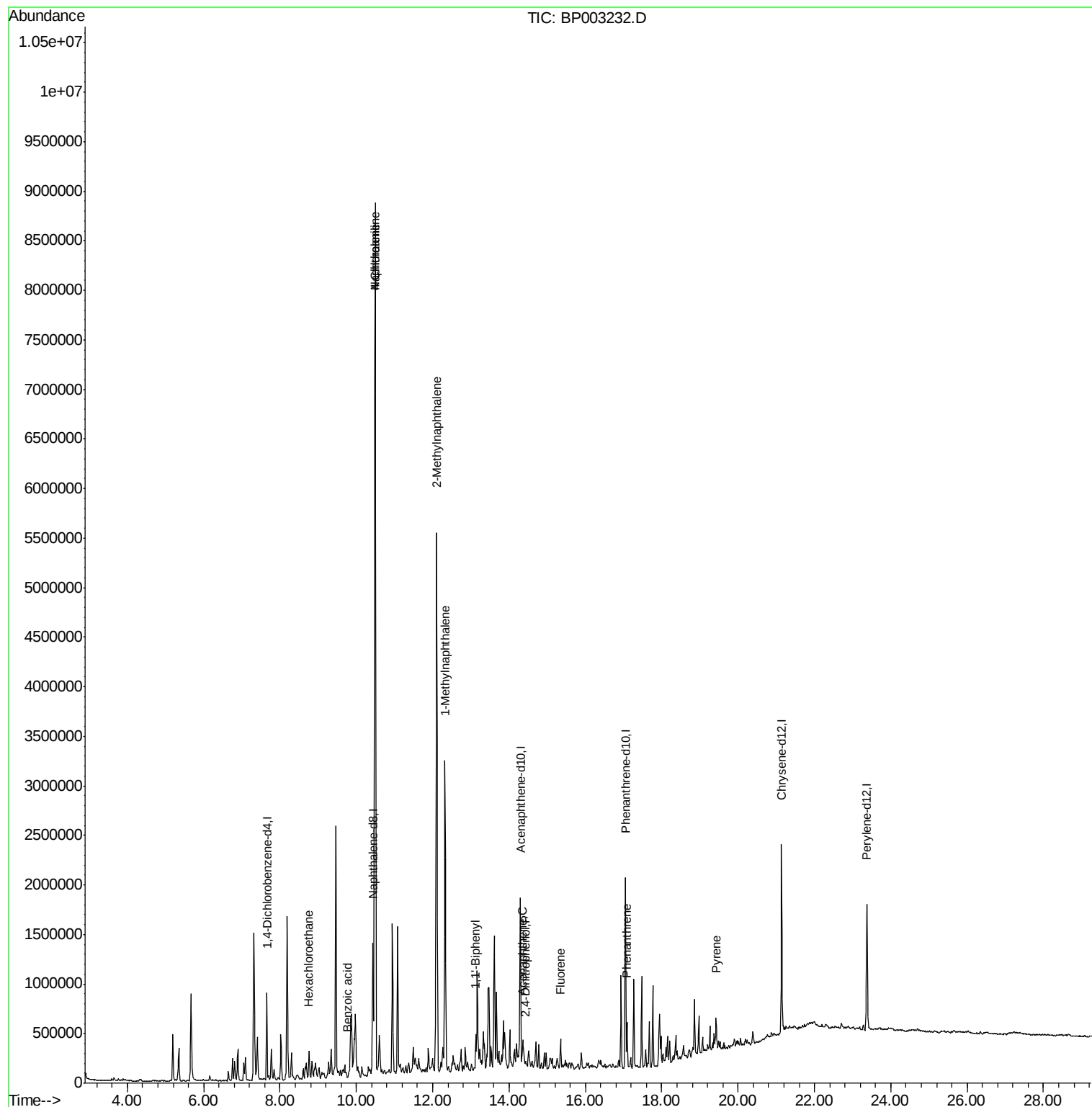
Target Compounds				Qvalue		
18) Hexachloroethane	8.76	117	43251	6.851	ng	# 1
31) Naphthalene	10.49	128	9338866	178.661	ng	97
32) Benzoic acid	9.77	122	210	9.015	ng	# 1
33) 4-Chloroaniline	10.49	127	1305479	59.774	ng	# 36
37) 2-Methylnaphthalene	12.10	142	2675564	71.553	ng	97
38) 1-Methylnaphthalene	12.32	142	1609726	45.293	ng	99
46) 1,1'-Biphenyl	13.12	154	200772	4.323	ng	99
52) Acenaphthene	14.36	154	72082	2.041	ng	99
54) 2,4-Dinitrophenol	14.44	184	116	7.775	ng	# 1
58) Fluorene	15.35	166	121609	2.847	ng	# 97
71) Phenanthrene	17.09	178	289973	4.371	ng	100
78) Pvrene	19.42	202	140098	2.405	ng	100

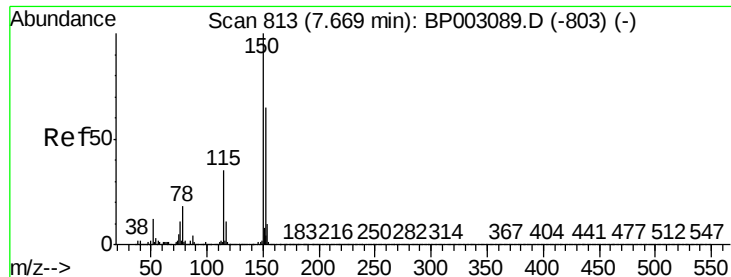
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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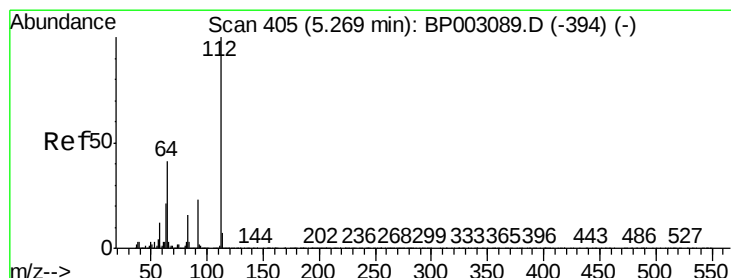
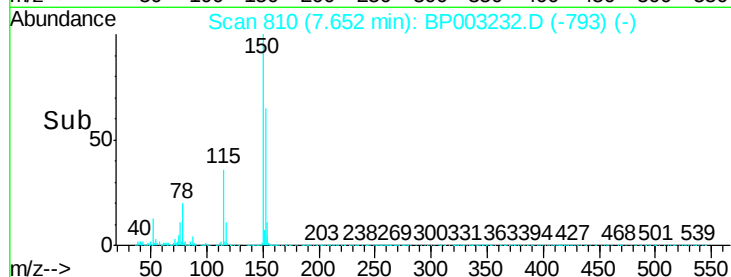
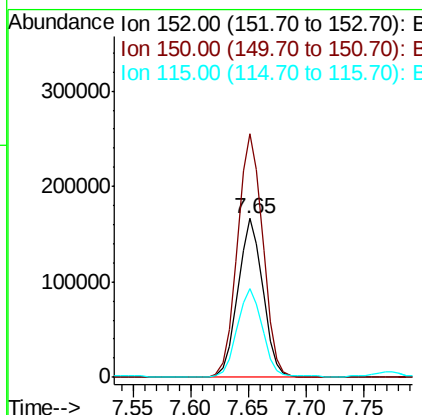
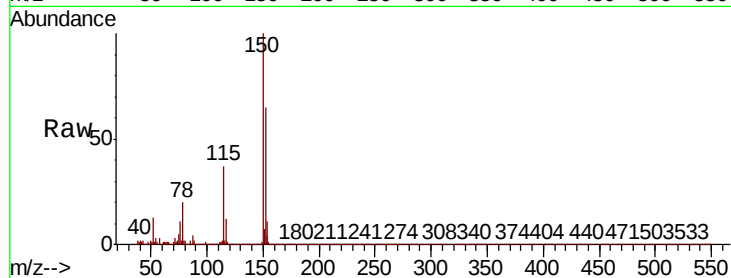


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

Instrument :
BNA_P
ClientSampleId :
TP-1DL

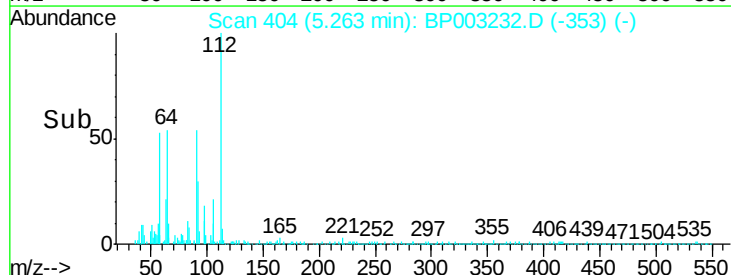
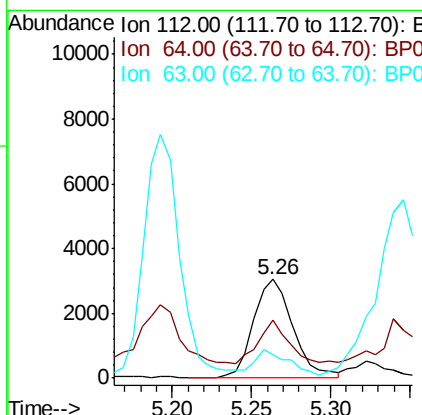
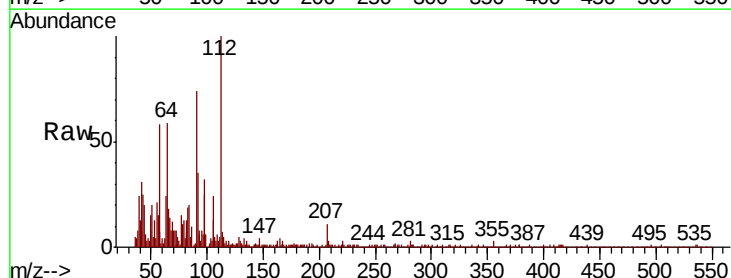
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.8	185.6
115	56.0	43.8	65.6

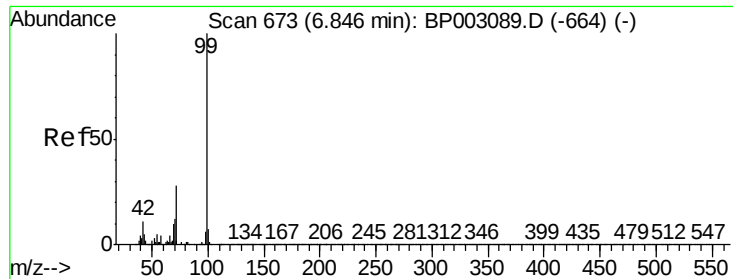


#5

2-Fluorophenol
Concen: 0.367 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	32.8	49.2#
63	23.9	17.0	25.4





#7

Phenol-d6

Concen: 0.314 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003232.D

Acq: 08 Sep 2020 18:04

Instrument :

BNA_P

ClientSampleId :

TP-1DL

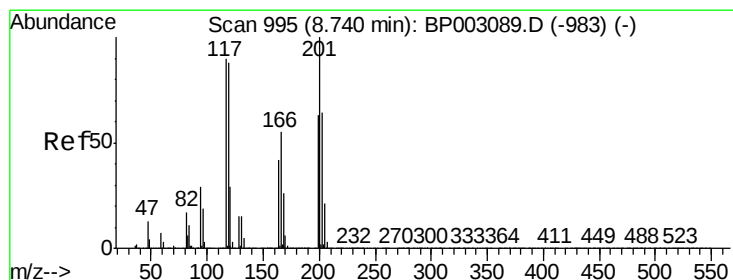
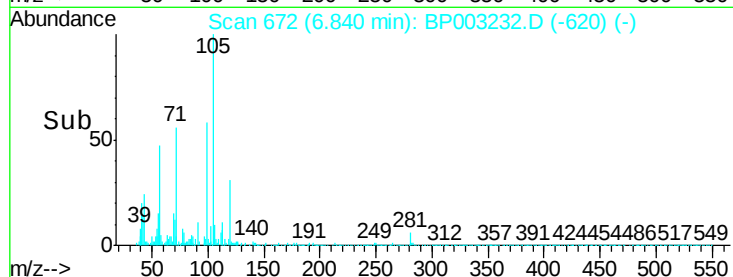
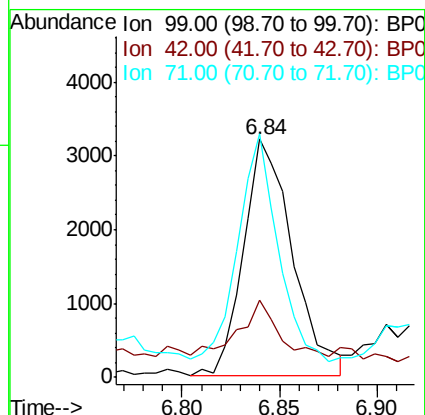
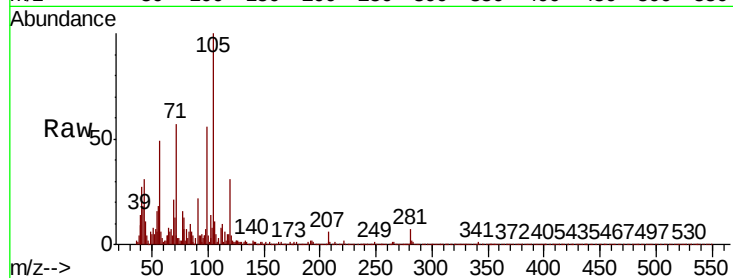
Tot Ion: 99 Resp: 5557

Ion Ratio Lower Upper

99 100

42 32.6 8.6 13.0#

71 102.2 23.4 35.2#



#18

Hexachloroethane

Concen: 6.851 ng

RT: 8.76 min Scan# 998

Delta R.T. 0.03 min

Lab File: BP003232.D

Acq: 08 Sep 2020 18:04

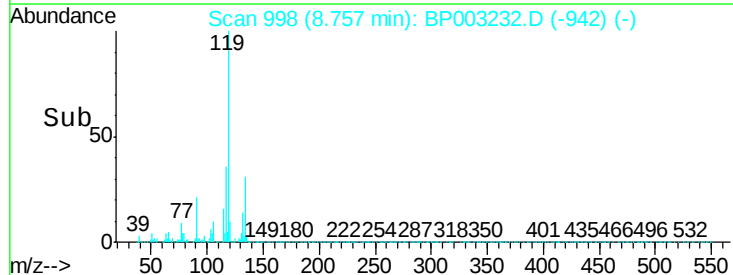
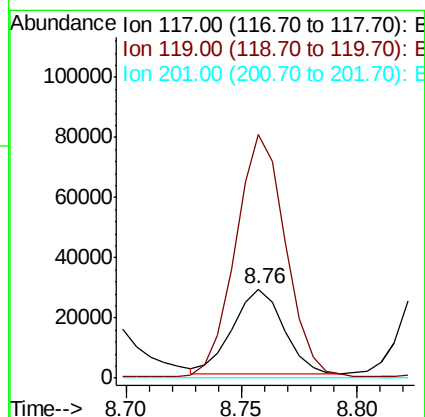
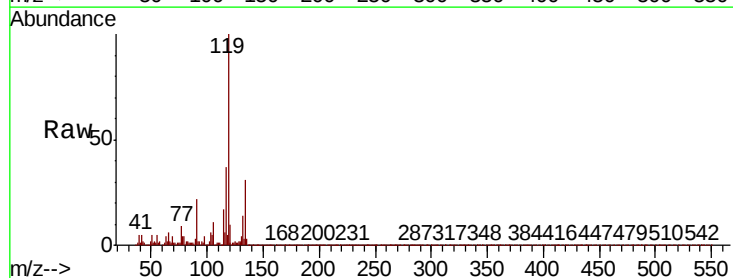
Tgt Ion: 117 Resp: 43251

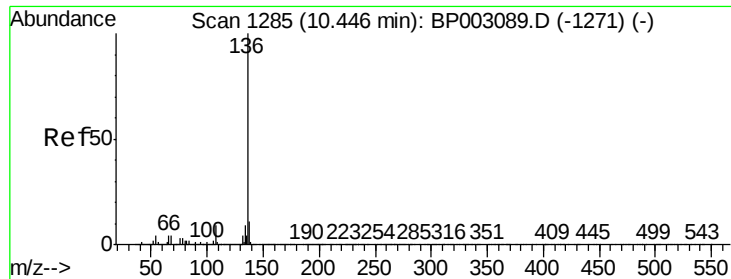
Ion Ratio Lower Upper

117 100

119 273.0 78.8 118.2#

201 0.0 92.3 138.5#

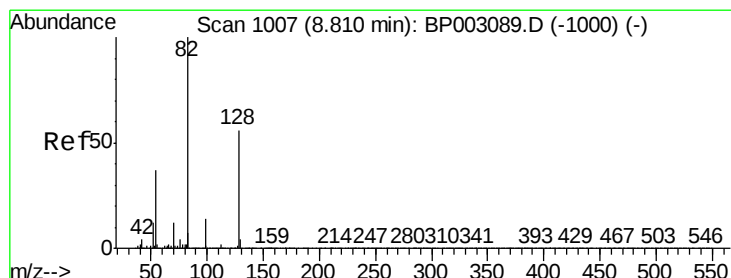
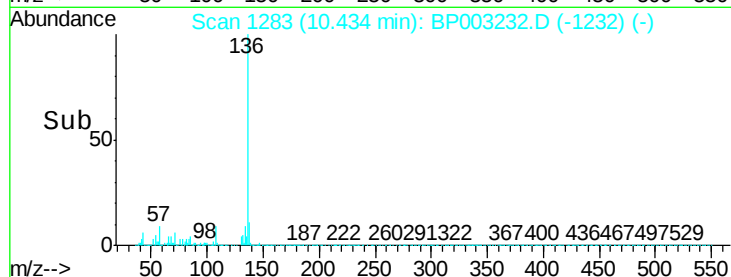
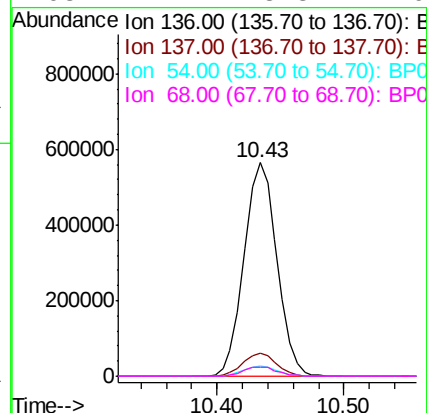
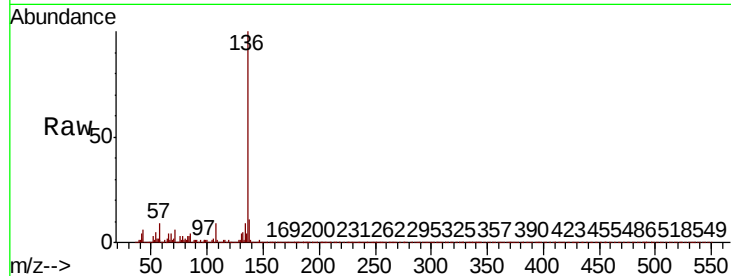




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.43 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

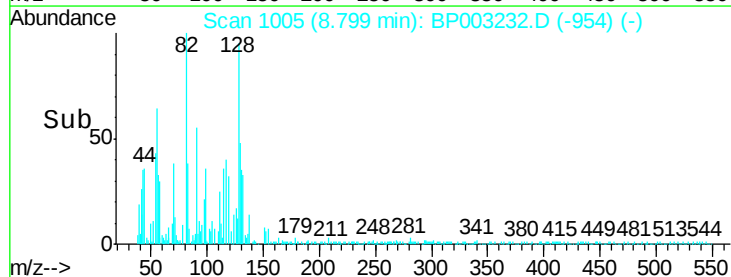
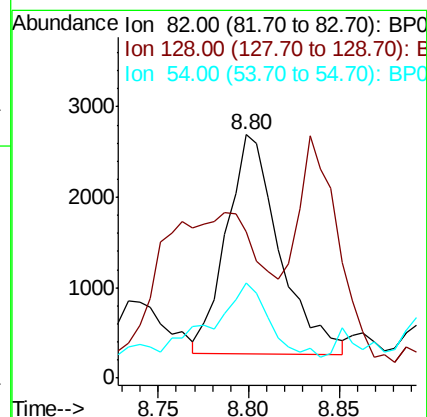
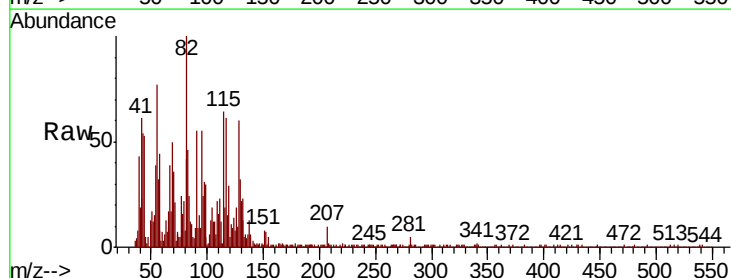
Instrument :
BNA_P
ClientSampleId :
TP-1DL

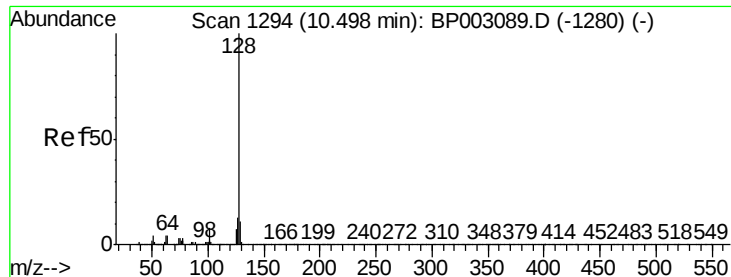
Tot Ion:136	Resp: 1017407
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 4.9	3.6 5.4
68 4.4	3.3 4.9



#23
Nitrobenzene-d5
Concen: 0.351 ng
RT: 8.80 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

Tgt Ion: 82	Resp: 4948
Ion Ratio	Lower Upper
82 100	
128 60.0	45.6 68.4
54 39.0	30.1 45.1

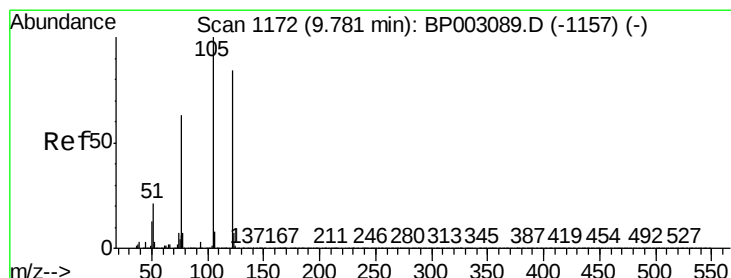
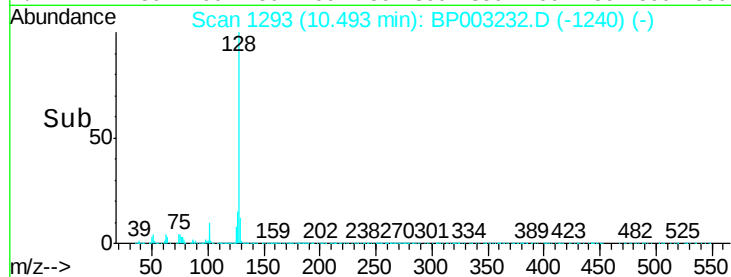
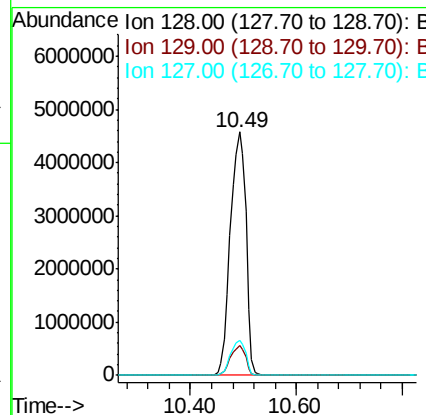
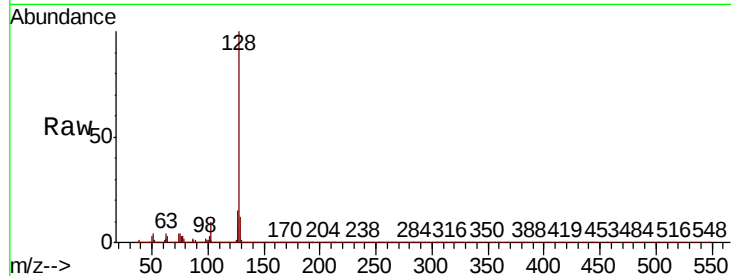




#31
Naphthalene
Concen: 178.661 ng
RT: 10.49 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

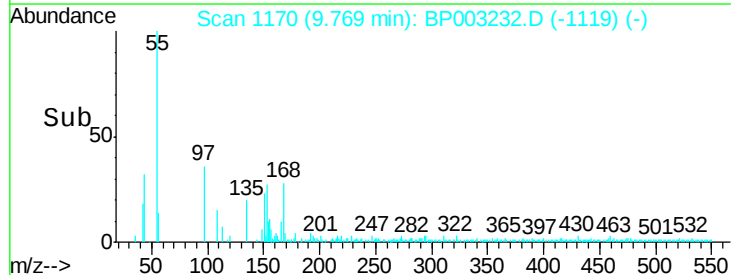
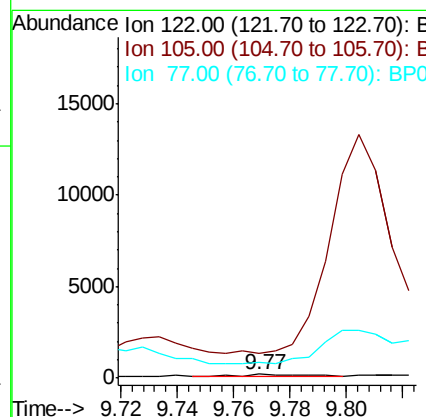
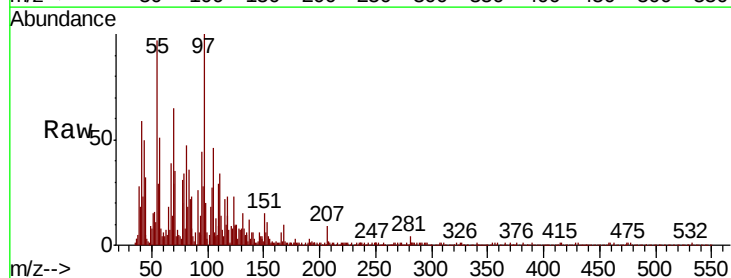
Instrument :
BNA_P
ClientSampleId :
TP-1DL

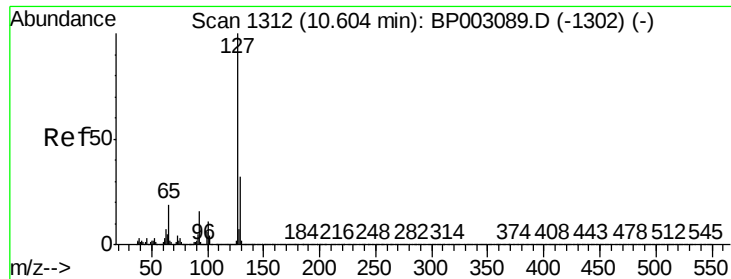
Tot Ion:128 Resp: 9338866
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 14.6 10.6 15.8



#32
Benzoic acid
Concen: 9.015 ng
RT: 9.77 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

Tgt Ion:122 Resp: 210
Ion Ratio Lower Upper
122 100
105 582.8 94.1 134.1#
77 389.0 50.1 90.1#

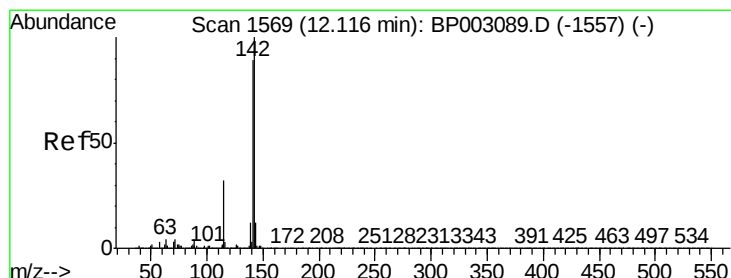
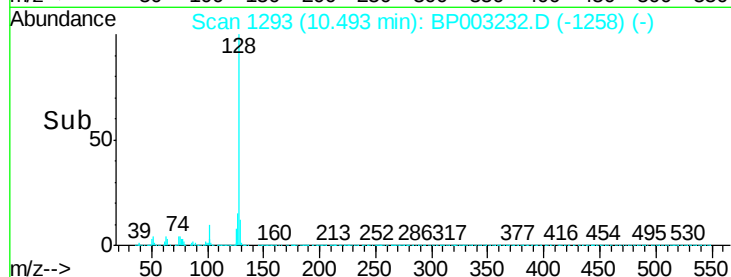
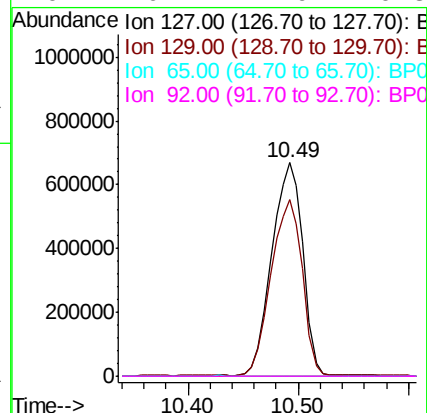
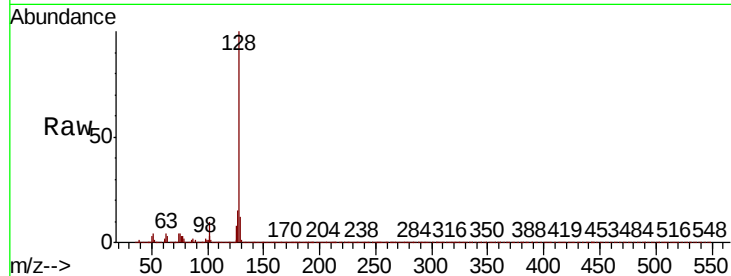




#33
4-Chloroaniline
Concen: 59.774 ng
RT: 10.49 min Scan# 1293
Delta R.T. -0.09 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

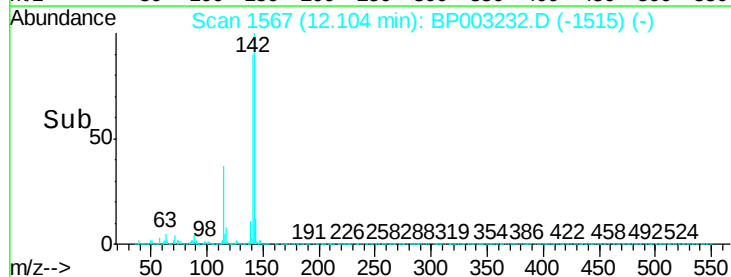
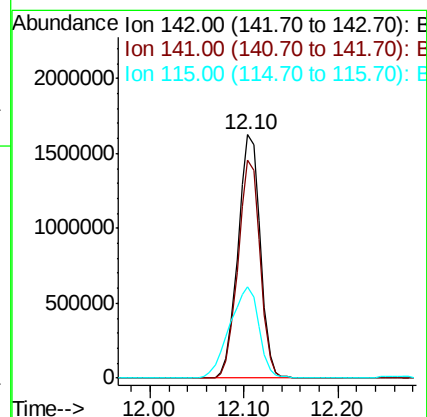
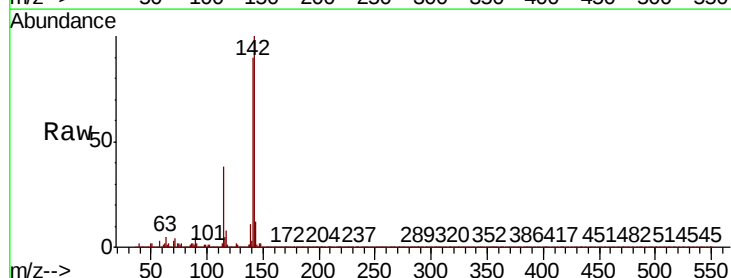
Instrument :
BNA_P
ClientSampleId :
TP-1DL

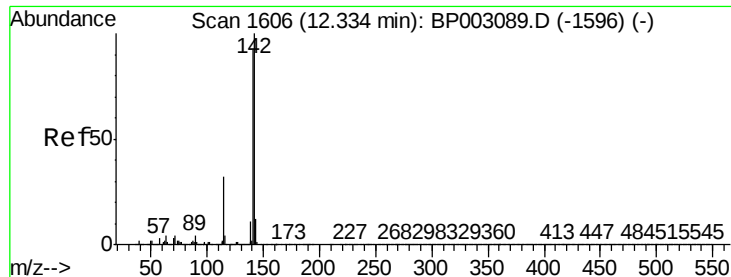
Tot Ion:127 Resp: 1305479
Ion Ratio Lower Upper
127 100
129 82.4 25.7 38.5#
65 0.0 17.3 25.9#
92 0.1 12.9 19.3#



#37
2-Methylnaphthalene
Concen: 71.553 ng
RT: 12.10 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

Tgt Ion:142 Resp: 2675564
Ion Ratio Lower Upper
142 100
141 89.6 71.4 107.2
115 37.6 25.8 38.6



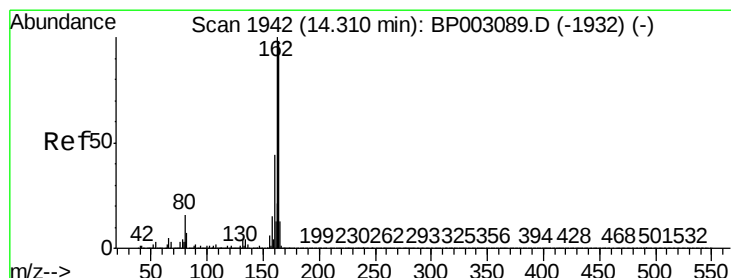
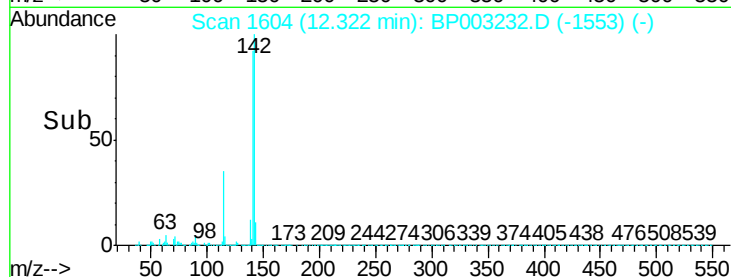
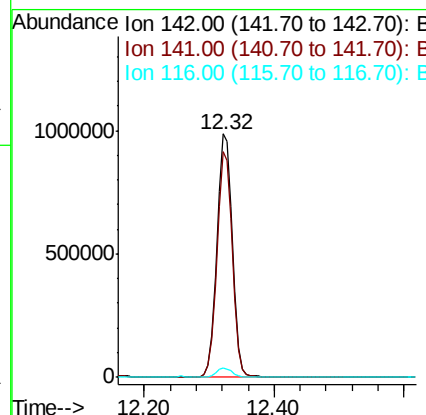
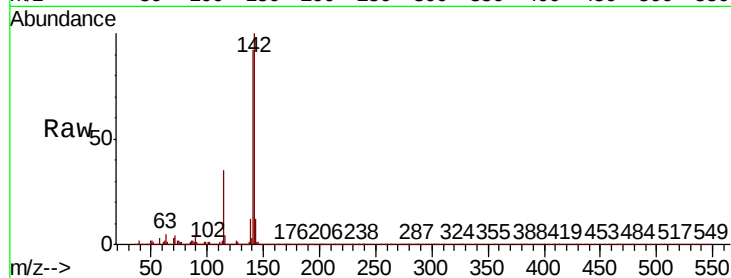


#38
 1-Methylnaphthalene
 Concen: 45.293 ng
 RT: 12.32 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: BP003232.D
 Acq: 08 Sep 2020 18:04

Instrument :
 BNA_P
 ClientSampleId :
 TP-1DL

Tot Ion:142 Resp: 1609726

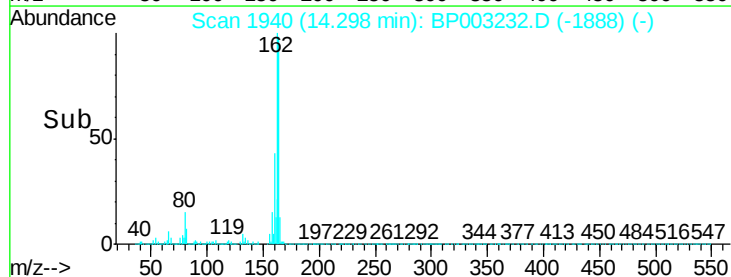
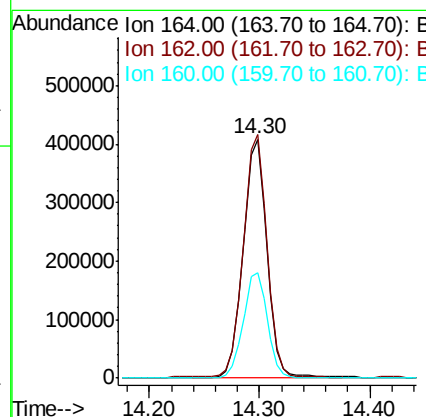
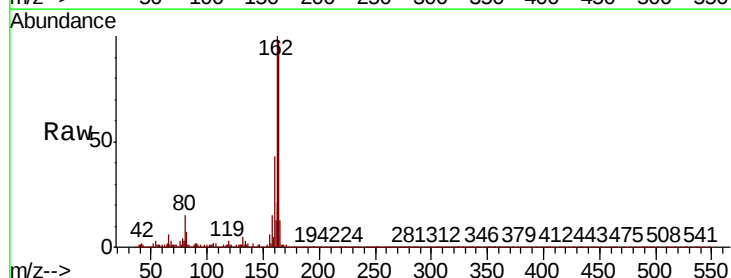
Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.4	111.6
116	3.9	2.9	4.3

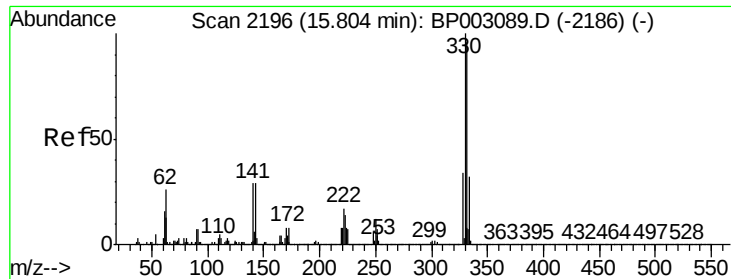


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1940
 Delta R.T. 0.01 min
 Lab File: BP003232.D
 Acq: 08 Sep 2020 18:04

Tgt Ion:164 Resp: 619125

Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.4	119.2
160	44.0	36.1	54.1

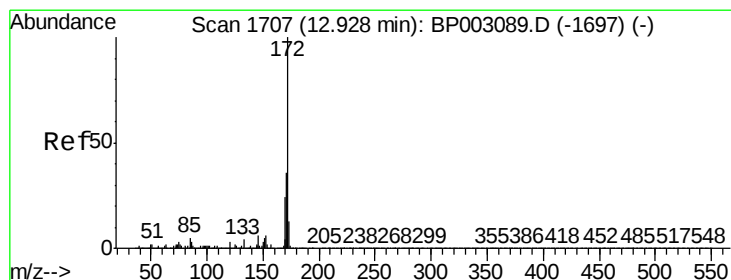
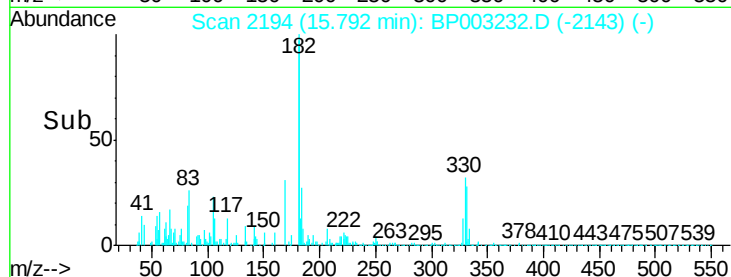
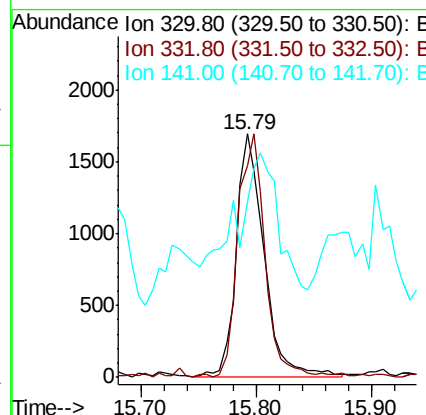
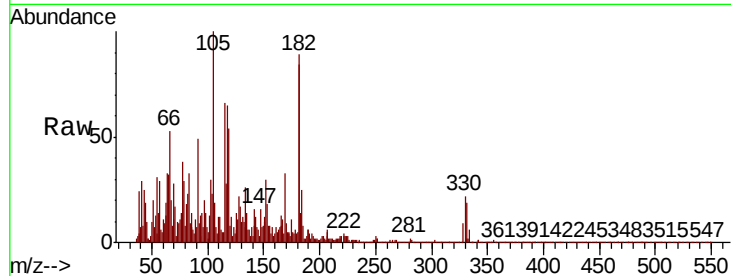




#42
2,4,6-Tribromophenol
Concen: 0.338 ng
RT: 15.79 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

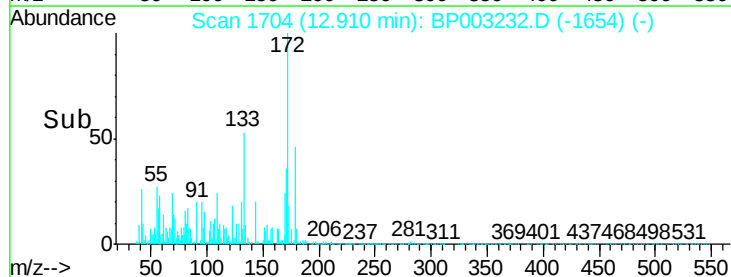
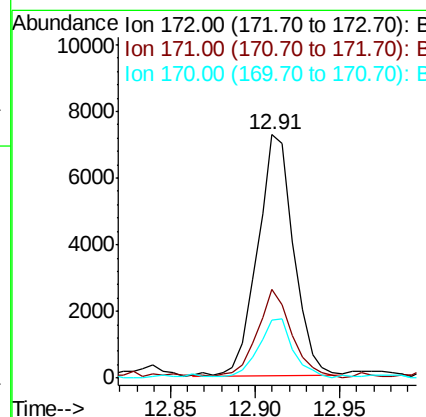
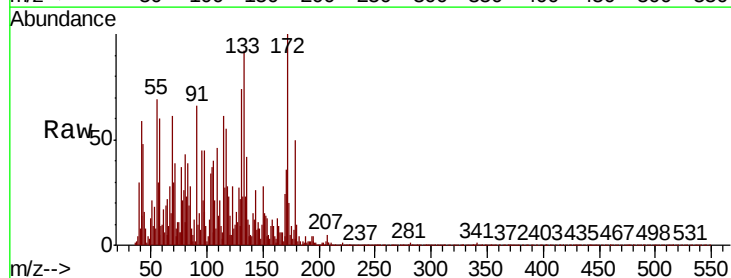
Instrument :
BNA_P
ClientSampleId :
TP-1DL

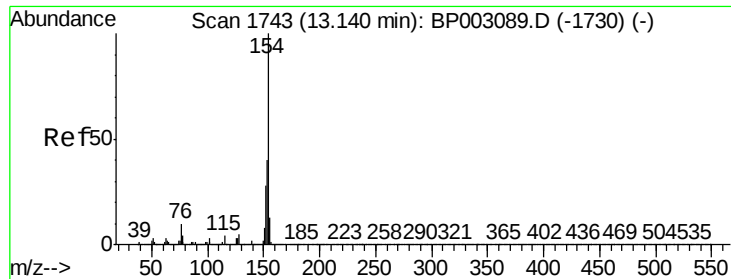
Tot Ion:330 Resp: 2829
Ion Ratio Lower Upper
330 100
332 97.7 77.1 115.7
141 83.4 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 0.255 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

Tgt Ion:172 Resp: 10768
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.1 19.2 28.8

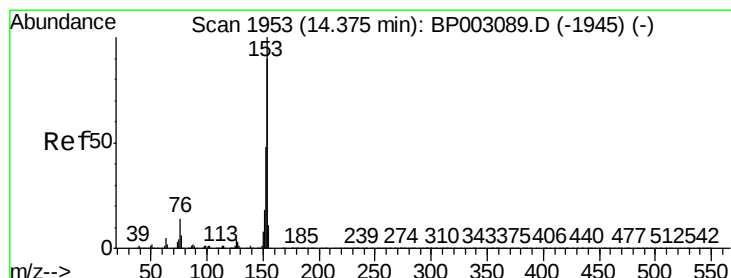
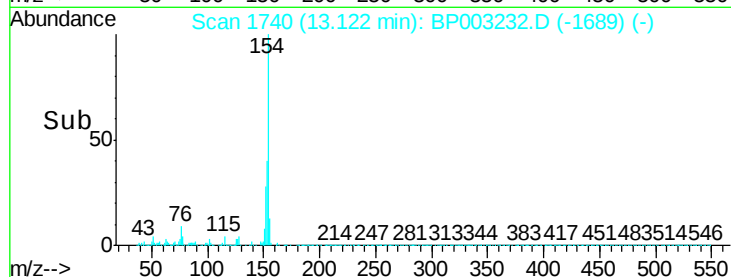
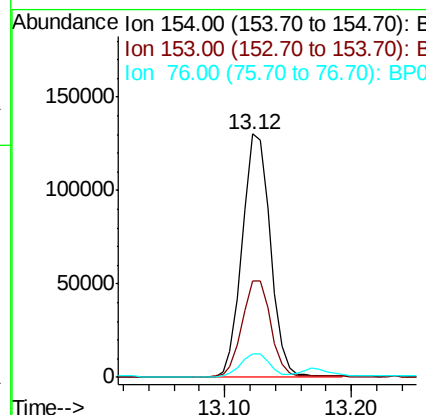
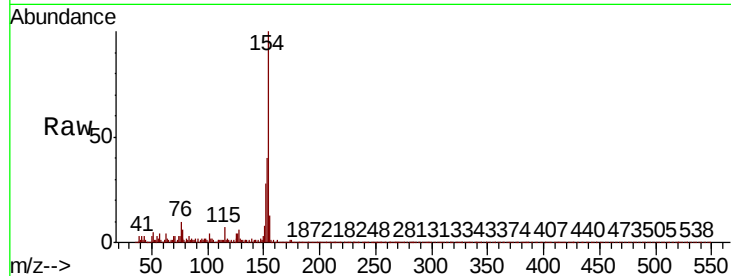




#46
 1,1'-Biphenyl
 Concen: 4.323 ng
 RT: 13.12 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BP003232.D
 Acq: 08 Sep 2020 18:04

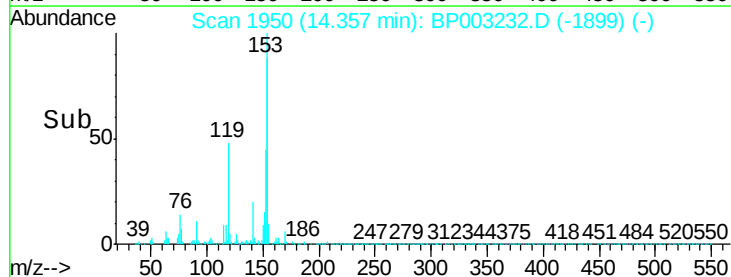
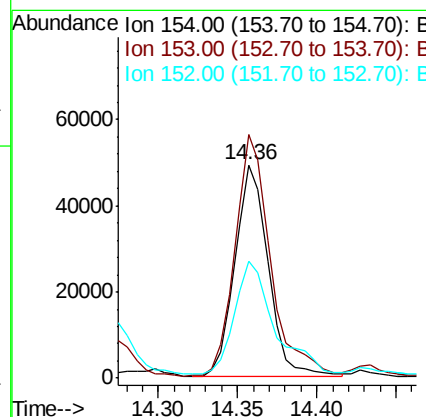
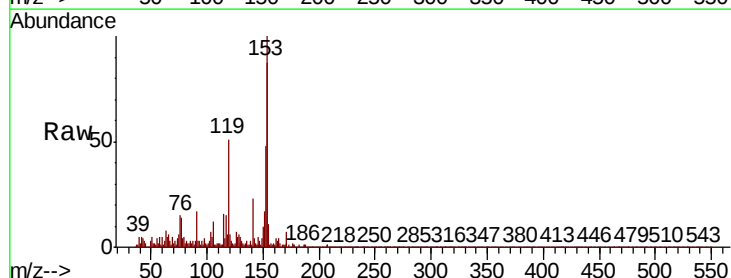
Instrument :
 BNA_P
 ClientSampleId :
 TP-1DL

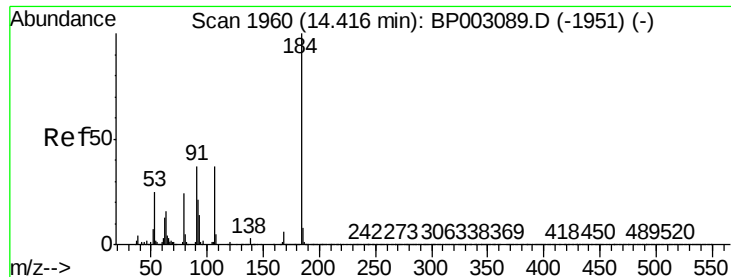
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.4	60.4
76	9.6	0.0	29.3



#52
 Acenaphthene
 Concen: 2.041 ng
 RT: 14.36 min Scan# 1950
 Delta R.T. -0.00 min
 Lab File: BP003232.D
 Acq: 08 Sep 2020 18:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.0	136.6
152	54.7	43.0	64.6

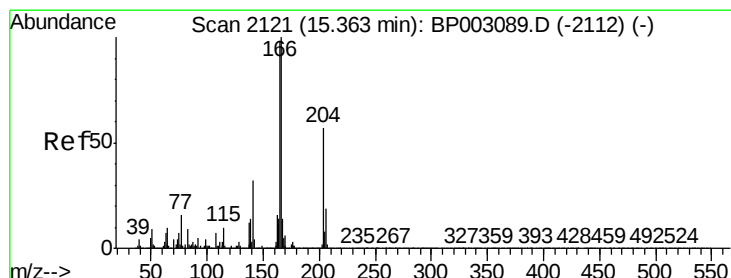
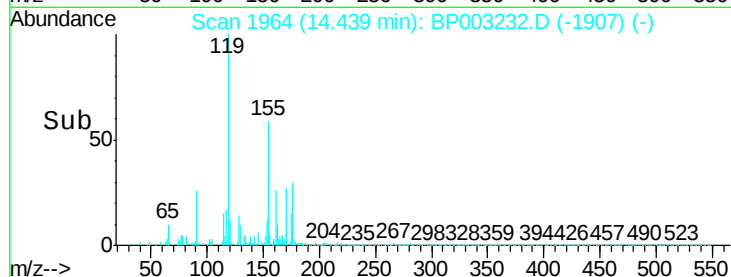
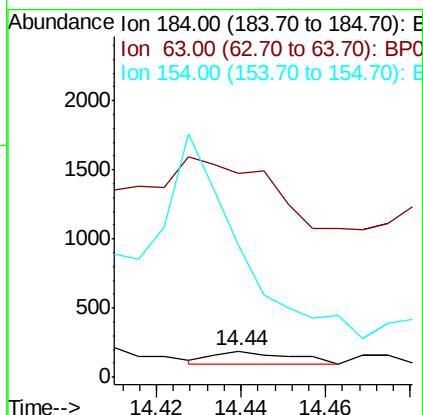
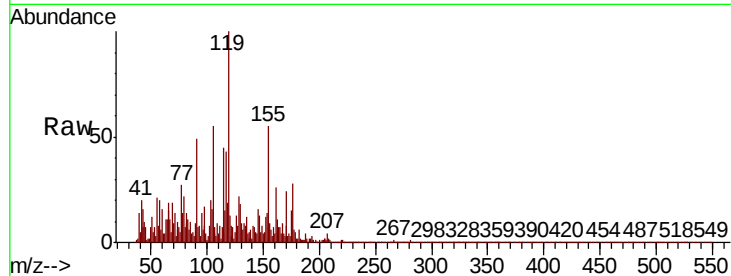




#54
2,4-Dinitrophenol
Concen: 7.775 ng
RT: 14.44 min Scan# 1964
Delta R.T. 0.04 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

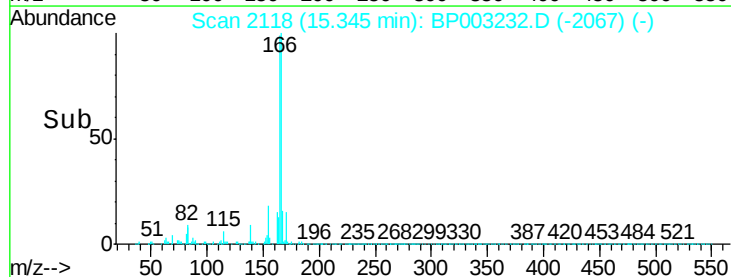
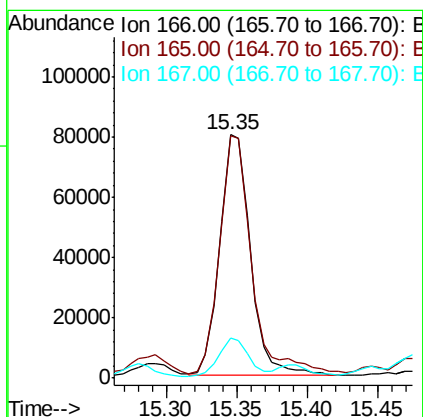
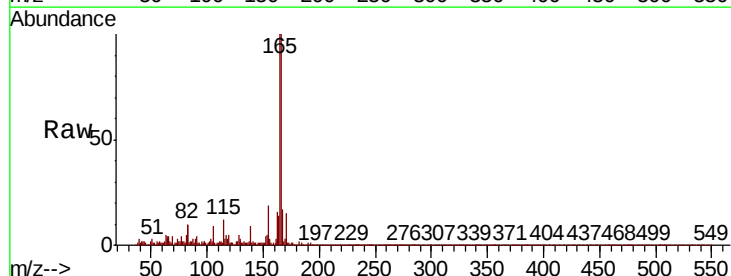
Instrument :
BNA_P
ClientSampleID :
TP-1DL

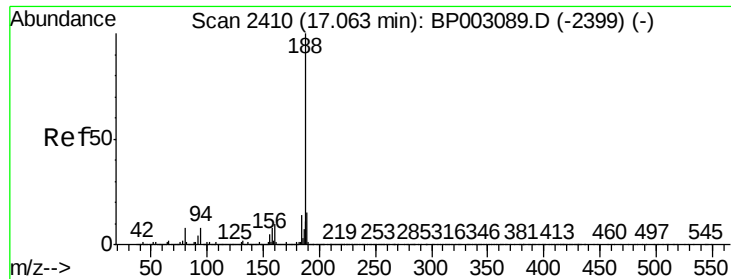
Tot Ion:184 Resp: 116
Ion Ratio Lower Upper
184 100
63 773.3 32.3 48.5#
154 501.0 49.1 73.7#



#58
Fluorene
Concen: 2.847 ng
RT: 15.35 min Scan# 2118
Delta R.T. -0.00 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

Tgt Ion:166 Resp: 121609
Ion Ratio Lower Upper
166 100
165 99.5 77.8 116.8
167 16.6 11.0 16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BP003232.D

Acq: 08 Sep 2020 18:04

Instrument :

BNA_P

ClientSampled :

TP-1DL

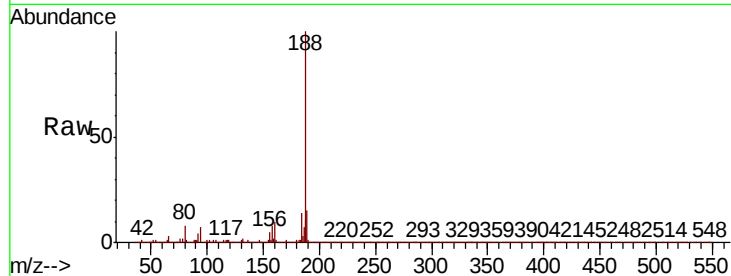
Tot Ion:188 Resp: 1224295

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.2

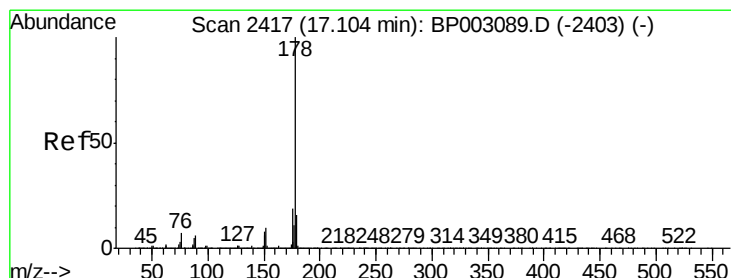
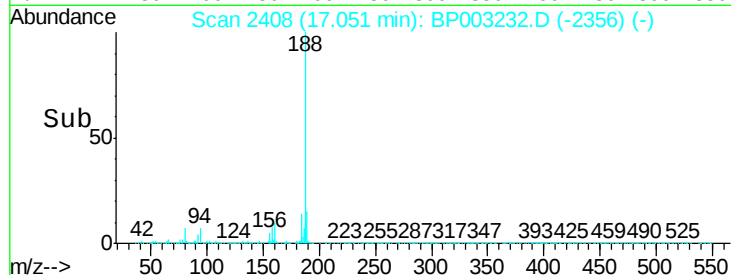
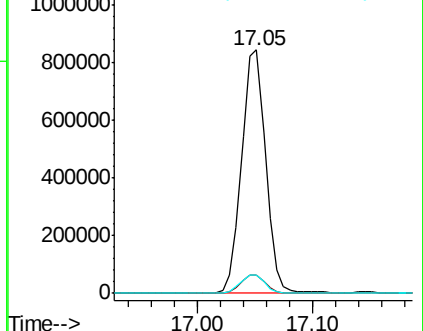
80 7.5 6.2 9.2



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: 4.371 ng

RT: 17.09 min Scan# 2415

Delta R.T. 0.01 min

Lab File: BP003232.D

Acq: 08 Sep 2020 18:04

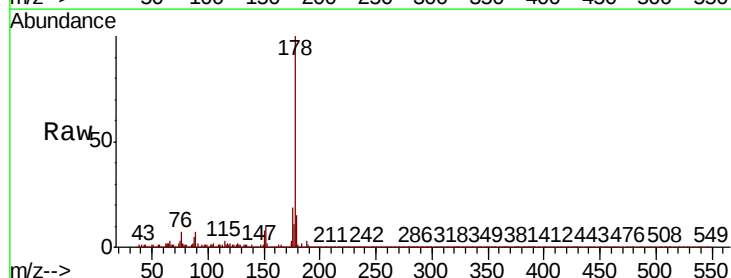
Tgt Ion:178 Resp: 289973

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

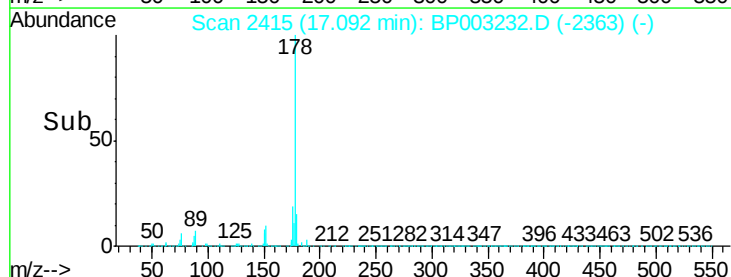
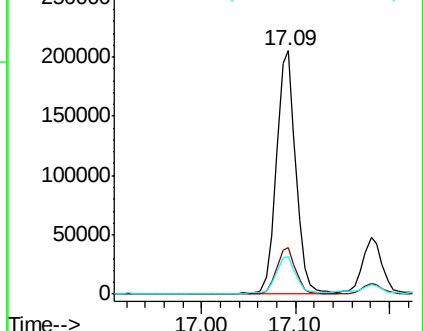
179 15.4 12.5 18.7

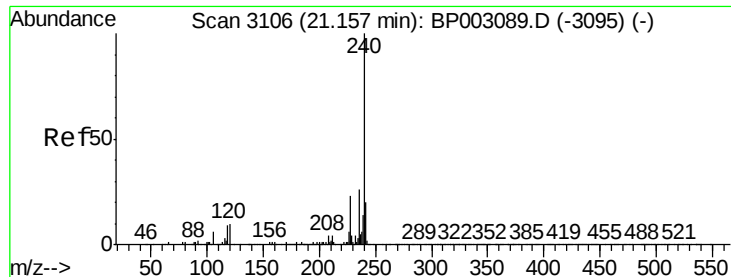


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

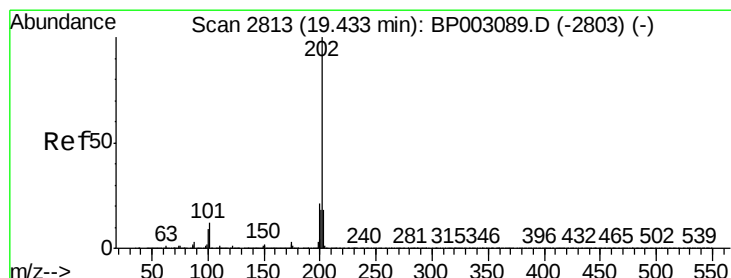
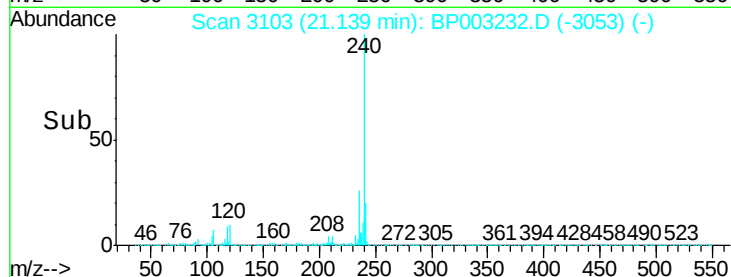
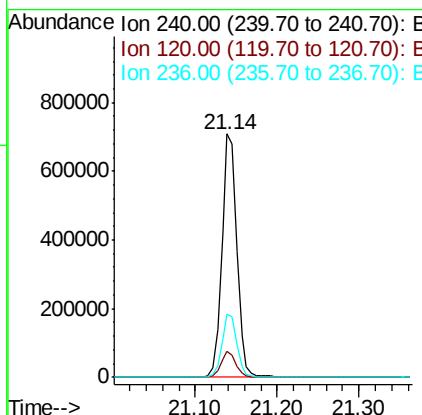
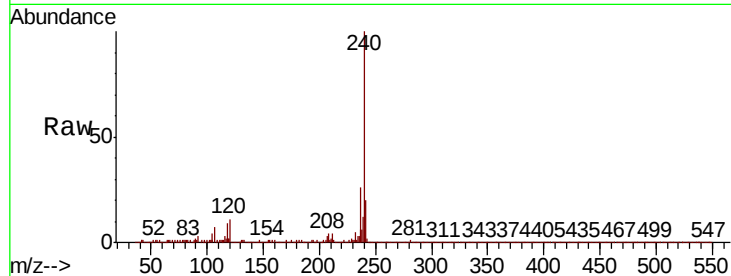




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

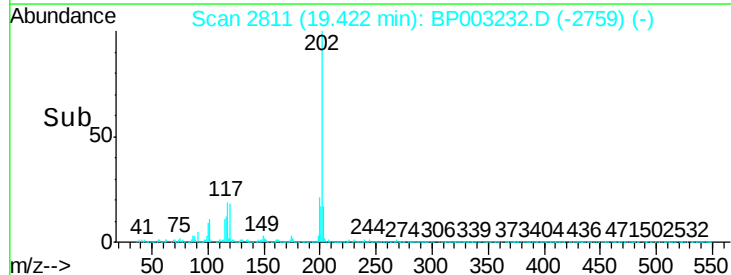
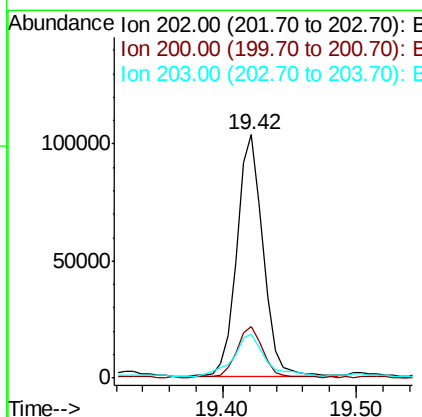
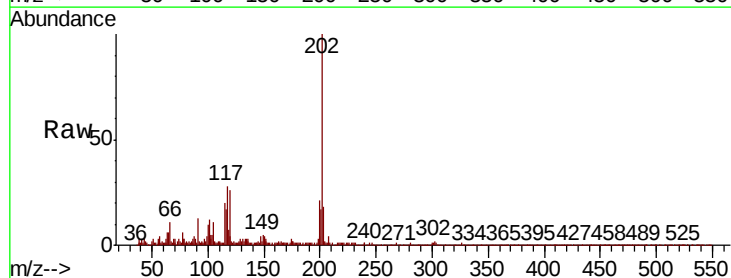
Instrument :
BNA_P
ClientSampleId :
TP-1DL

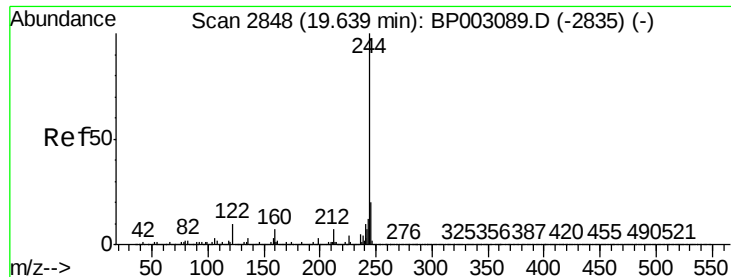
Tot Ion:240 Resp: 897630
Ion Ratio Lower Upper
240 100
120 10.6 7.8 11.6
236 25.8 20.8 31.2



#78
Pyrene
Concen: 2.405 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003232.D
Acq: 08 Sep 2020 18:04

Tgt Ion:202 Resp: 140098
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 0.337 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003232.D

Acq: 08 Sep 2020 18:04

Instrument :

BNA_P

ClientSampleId :

TP-1DL

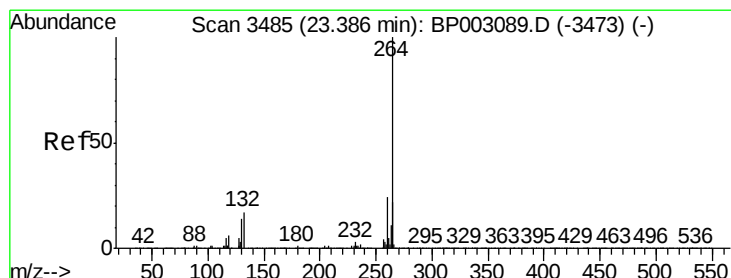
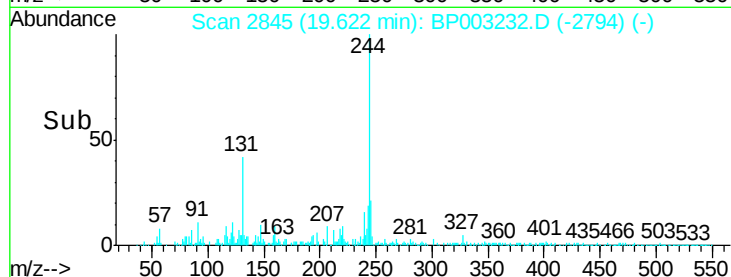
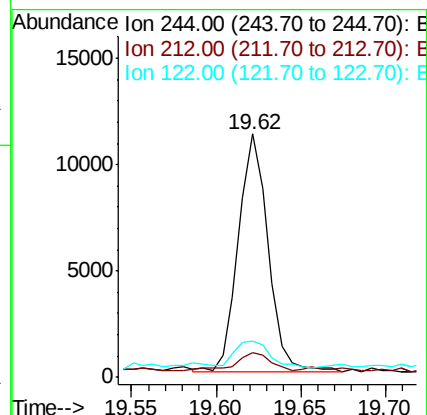
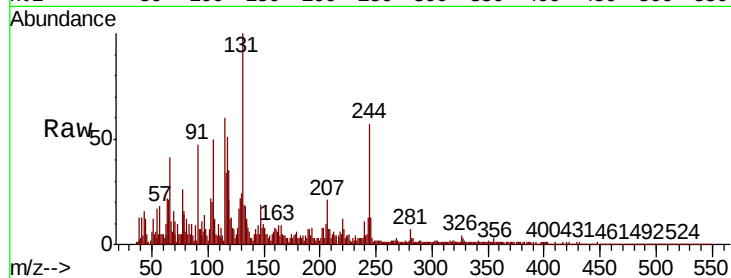
Tot Ion:244 Resp: 13732

Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.6#

122 14.9 7.8 11.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.37 min Scan# 3483

Delta R.T. 0.01 min

Lab File: BP003232.D

Acq: 08 Sep 2020 18:04

Tgt Ion:264 Resp: 949771

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.0 17.4 26.2

