

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051321\
 Data File : BP005538.D
 Acq On : 14 May 2021 01:39
 Operator : CG/JU
 Sample : M2373-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-051221

Quant Time: May 14 03:27:52 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 11 11:20:59 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

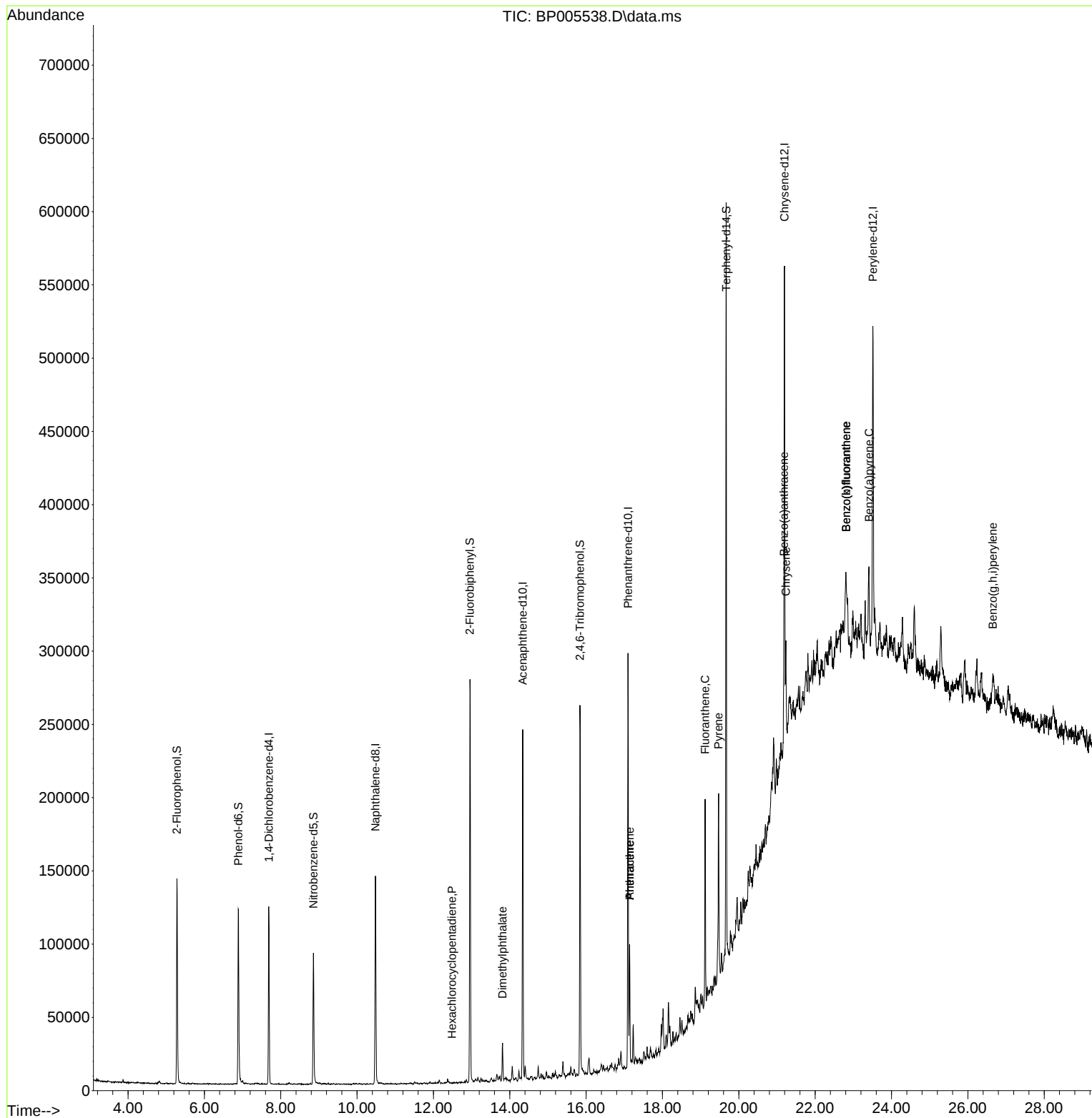
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	25044	20.00	ng	-0.01
21) Naphthalene-d8	10.481	136	86786	20.00	ng	#-0.01
39) Acenaphthene-d10	14.340	164	68350	20.00	ng	0.00
64) Phenanthrene-d10	17.098	188	143576	20.00	ng	# 0.00
76) Chrysene-d12	21.198	240	141057	20.00	ng	# 0.00
86) Perylene-d12	23.510	264	162452	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	45168	34.61	ng	0.00
7) Phenol-d6	6.893	99	51360	31.56	ng	0.00
23) Nitrobenzene-d5	8.857	82	44981	20.40	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	50650	26.11	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	124258	20.51	ng	-0.01
79) Terphenyl-d14	19.669	244	200100	24.09	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.158	88	35	Below Cal	#	39
9) Benzaldehyde	6.846	77	65	Below Cal	#	10
41) Hexachlorocyclopentadiene	12.487	237	7	7.88	ng	91
50) Dimethylphthalate	13.810	163	12499	2.12	ng	# 97
71) Phenanthrene	17.139	178	43697	5.36	ng	98
72) Anthracene	17.139	178	43697	5.40	ng	98
75) Fluoranthene	19.116	202	74086	6.60	ng	96
78) Pyrene	19.469	202	71650	8.97	ng	98
81) Benzo(a)anthracene	21.180	228	36885	4.04	ng	# 94
83) Chrysene	21.233	228	34861	3.93	ng	# 94
88) Benzo(b)fluoranthene	22.810	252	48563	4.49	ng	# 94
89) Benzo(k)fluoranthene	22.810	252	48563	4.59	ng	# 92
90) Benzo(a)pyrene	23.410	252	35753	3.60	ng	# 90
92) Benzo(g,h,i)perylene	26.657	276	27110	2.43	ng	93

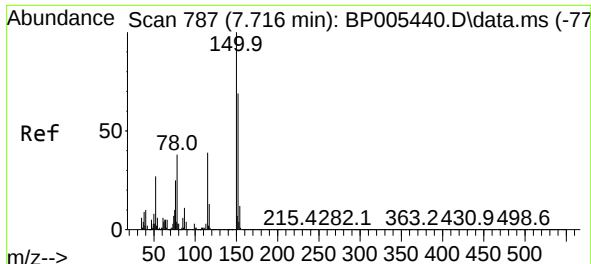
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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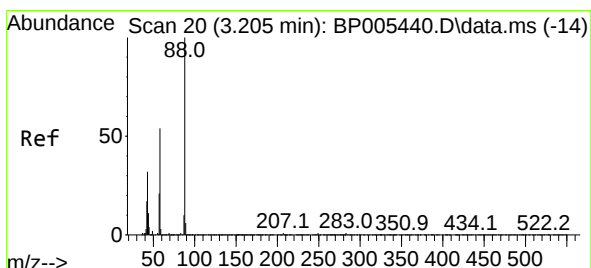
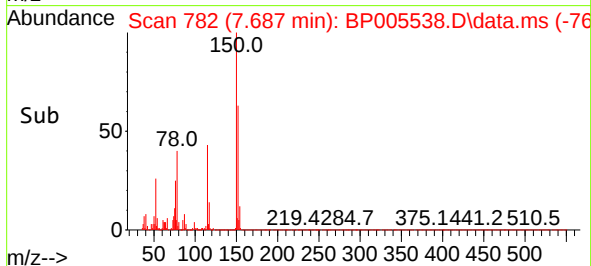
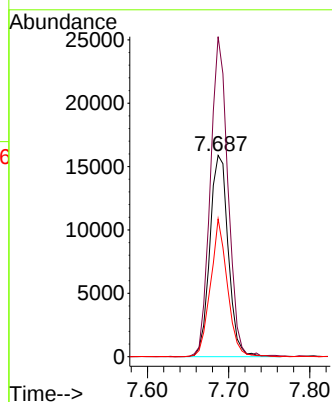
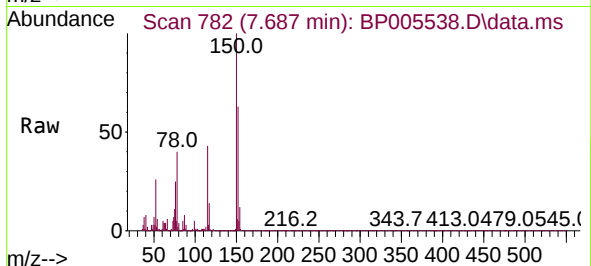




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.687 min Scan# 782
Delta R.T. -0.012 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

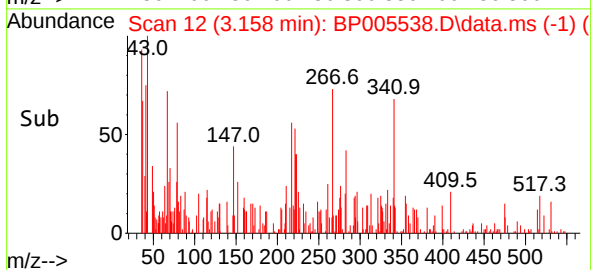
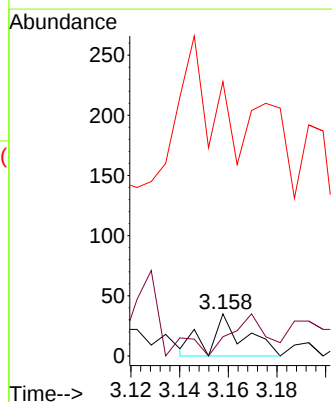
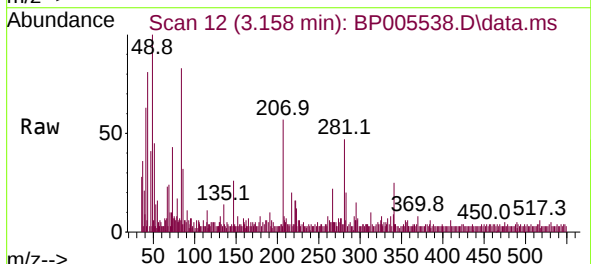
Instrument :
BNA_P
ClientSampleId :
OR-02-051221

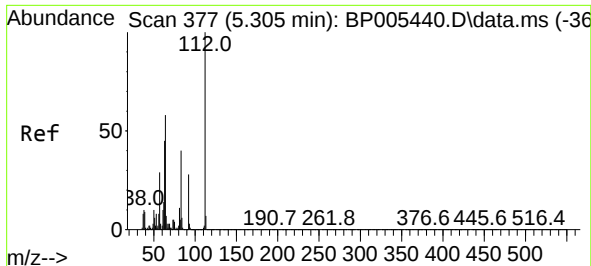
Tgt Ion:152 Resp: 25044
Ion Ratio Lower Upper
152 100
150 159.0 119.8 179.8
115 68.5 49.0 73.4



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.158 min Scan# 12
Delta R.T. -0.024 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
58 100.0 42.5 63.7#
43 0.0 19.8 29.8#

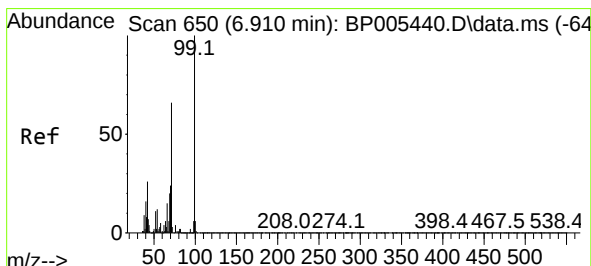
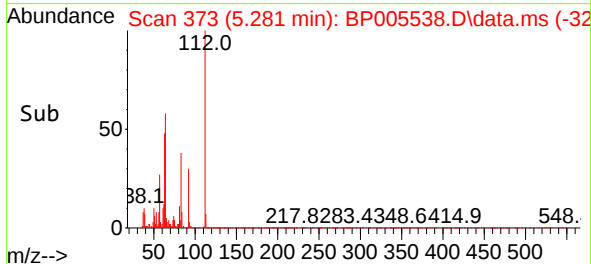
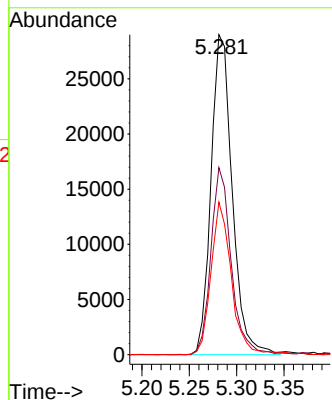
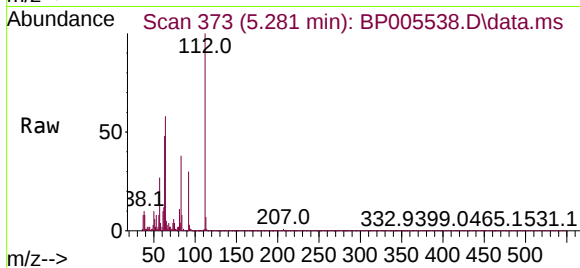




#5
2-Fluorophenol
Concen: 34.61 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

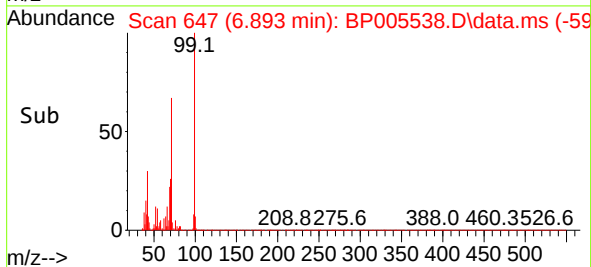
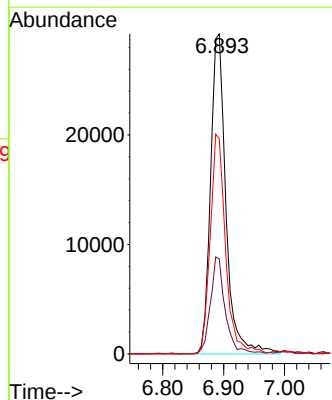
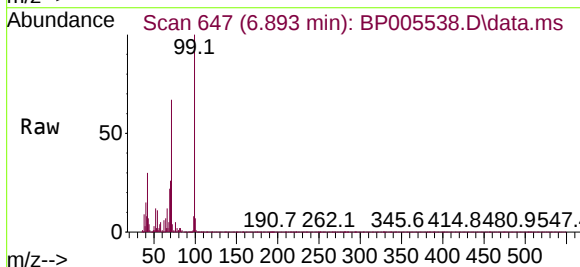
Instrument :
BNA_P
ClientSampleId :
OR-02-051221

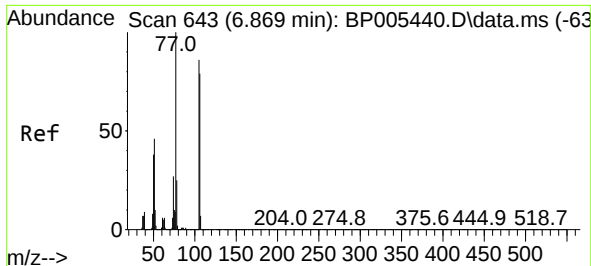
Tgt Ion:112 Resp: 45168
Ion Ratio Lower Upper
112 100
64 58.4 33.6 50.4#
63 47.6 18.6 27.8#



#7
Phenol-d6
Concen: 31.56 ng
RT: 6.893 min Scan# 647
Delta R.T. -0.000 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion: 99 Resp: 51360
Ion Ratio Lower Upper
99 100
42 29.7 12.9 19.3#
71 67.3 26.7 40.1#

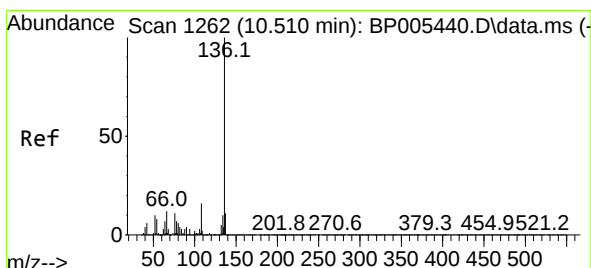
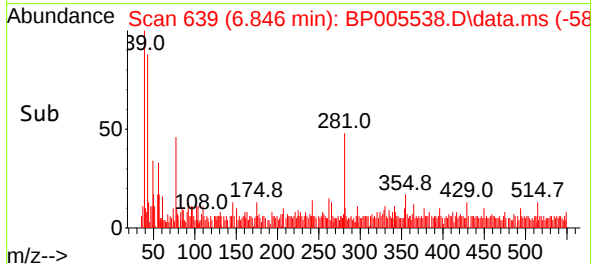
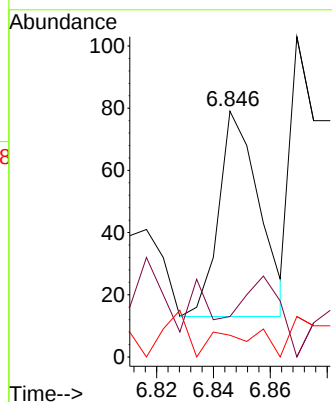
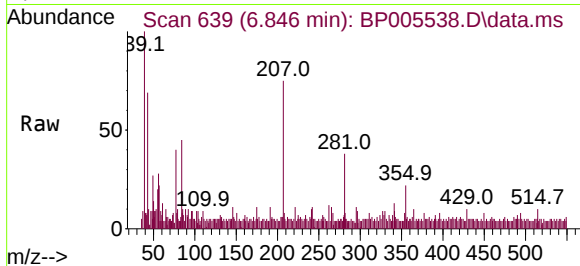




#9
Benzaldehyde
Concen: Below Cal
RT: 6.846 min Scan# 639
Delta R.T. -0.000 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

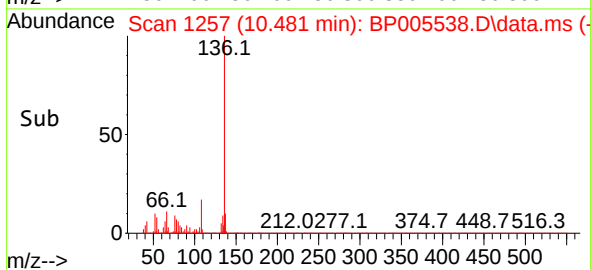
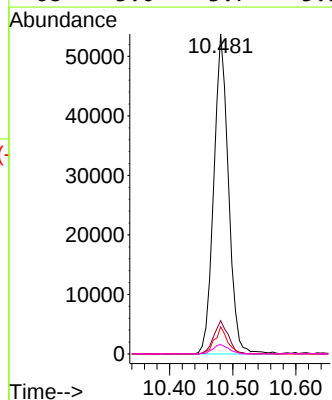
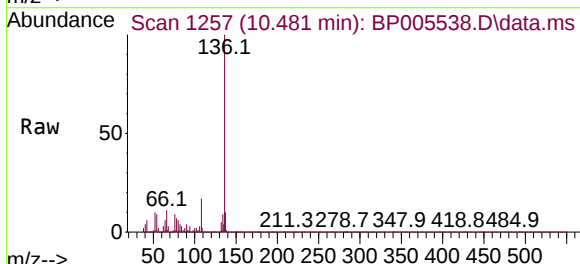
Instrument :
BNA_P
ClientSampleId :
OR-02-051221

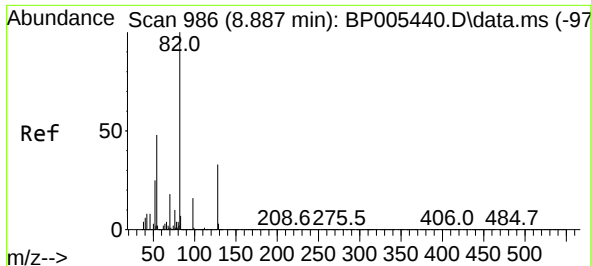
Tgt Ion: 77	Resp: 65
Ion Ratio	Lower Upper
77 100	
105 16.5	89.4 129.4#
106 8.9	79.9 119.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion: 136	Resp: 86786
Ion Ratio	Lower Upper
136 100	
137 10.4	8.9 13.3
54 8.5	5.0 7.4#
68 3.0	3.7 5.5#

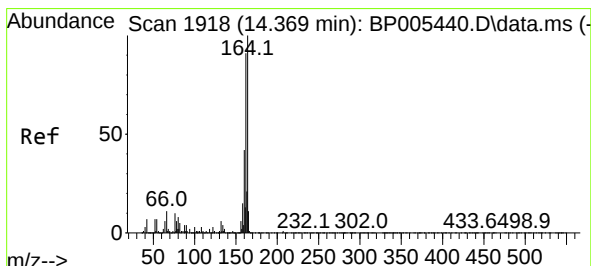
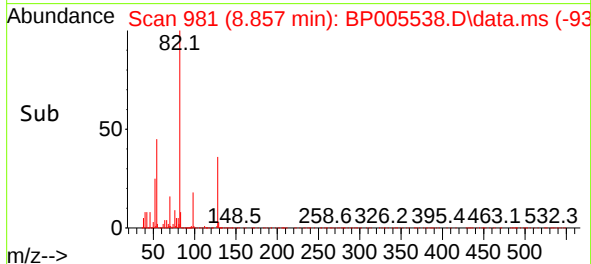
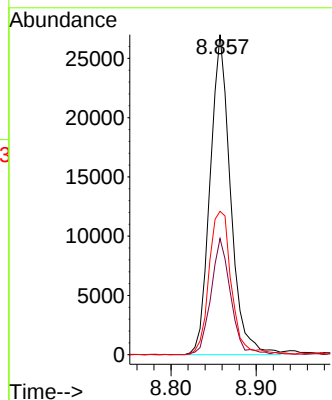
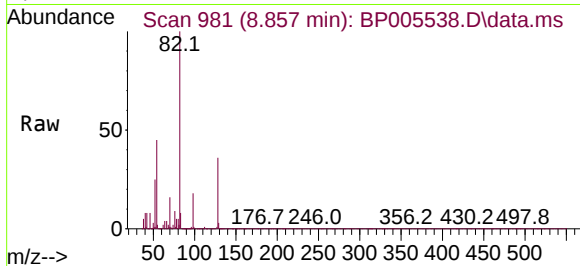




#23
Nitrobenzene-d5
Concen: 20.40 ng
RT: 8.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

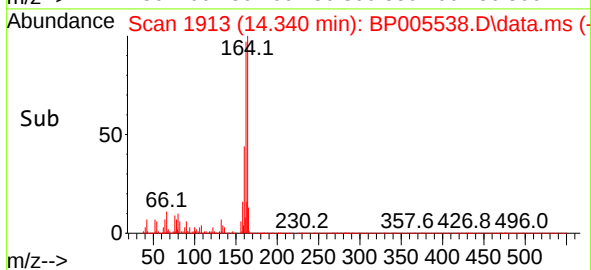
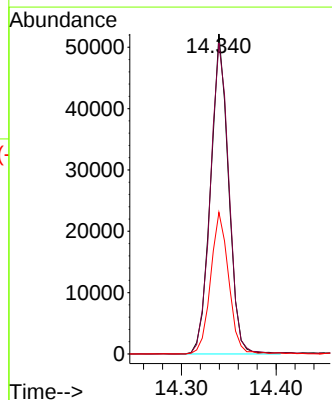
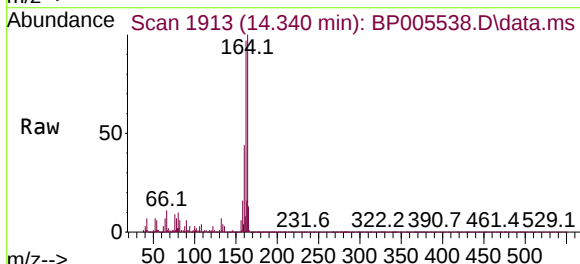
Instrument :
BNA_P
ClientSampleId :
OR-02-051221

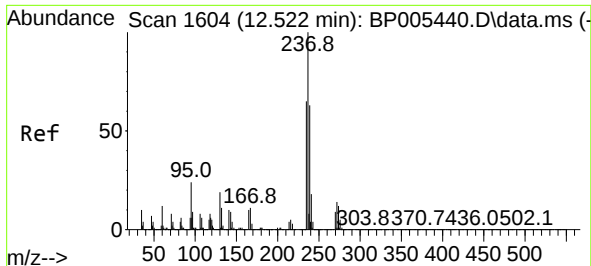
Tgt Ion: 82 Resp: 44981
Ion Ratio Lower Upper
82 100
128 36.3 30.5 45.7
54 44.8 33.9 50.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.000 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion: 164 Resp: 68350
Ion Ratio Lower Upper
164 100
162 97.2 73.5 110.3
160 44.3 40.6 61.0

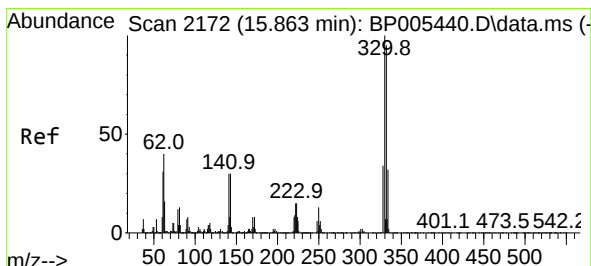
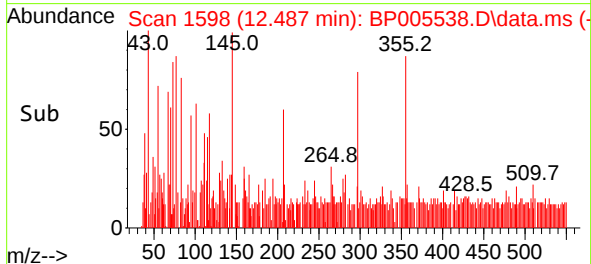
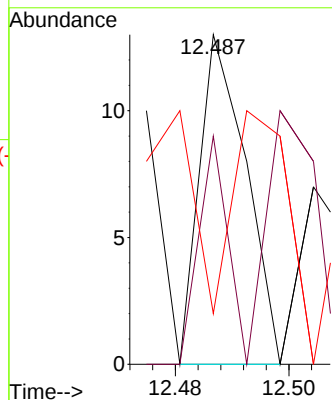
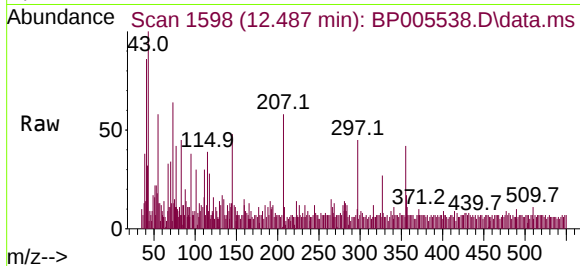




#41
Hexachlorocyclopentadiene
Concen: 7.88 ng
RT: 12.487 min Scan# 1598
Delta R.T. -0.012 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

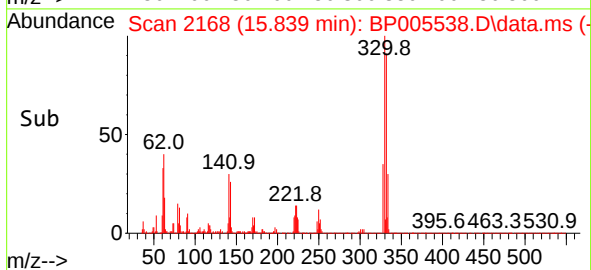
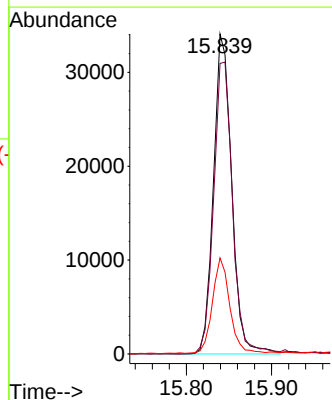
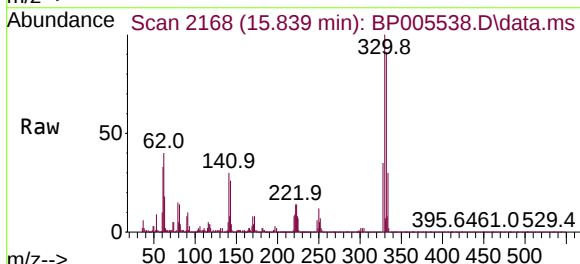
Instrument :
BNA_P
ClientSampled :
OR-02-051221

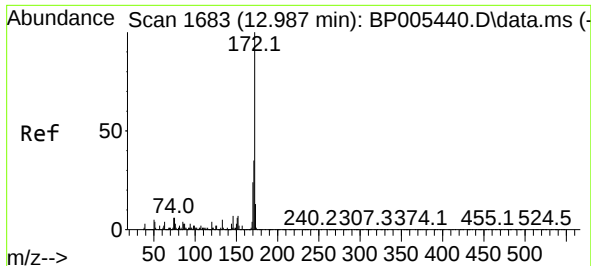
Tgt Ion:	237	Resp:	7
Ion	Ratio	Lower	Upper
237	100		
235	69.2	40.9	80.9
272	15.4	0.0	34.6



#42
2,4,6-Tribromophenol
Concen: 26.11 ng
RT: 15.839 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion:	330	Resp:	50650
Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.3	114.5
141	28.8	22.8	34.2

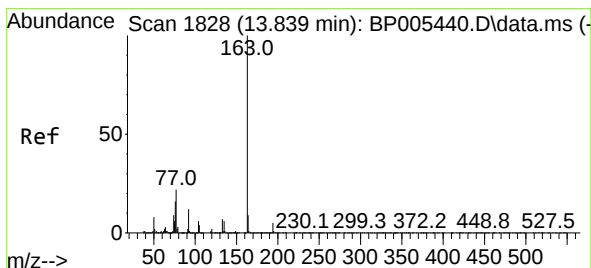
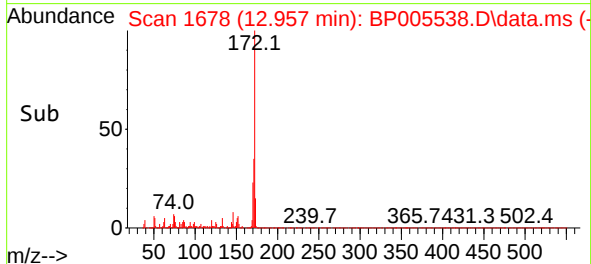
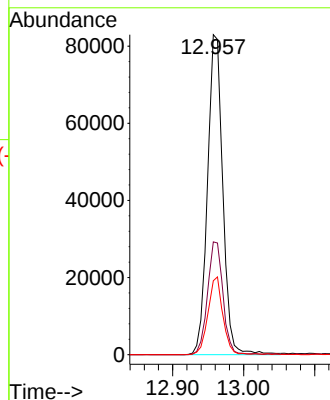
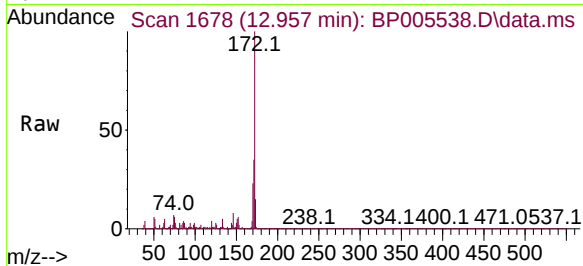




#45
2-Fluorobiphenyl
Concen: 20.51 ng
RT: 12.957 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

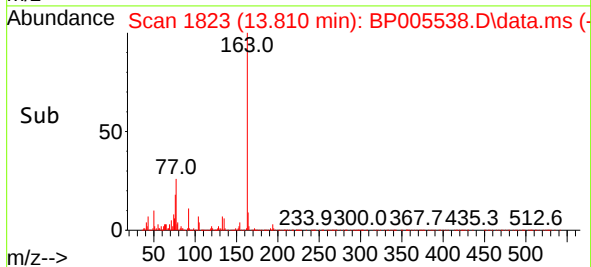
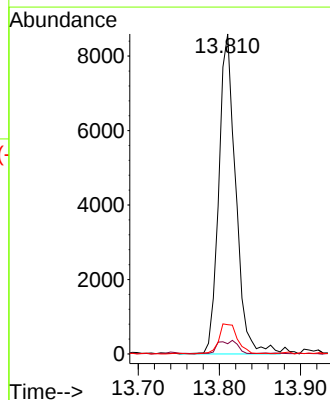
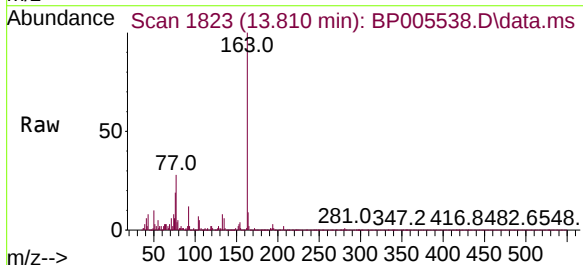
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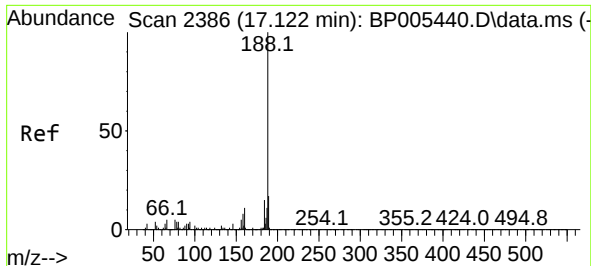
Tgt Ion:172	Resp:	124258
Ion Ratio	Lower	Upper
172	100	
171	35.3	28.1 42.1
170	23.1	19.6 29.4



#50
Dimethylphthalate
Concen: 2.12 ng
RT: 13.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion:163	Resp:	12499
Ion Ratio	Lower	Upper
163	100	
194	3.2	3.9 5.9#
164	9.1	8.1 12.1

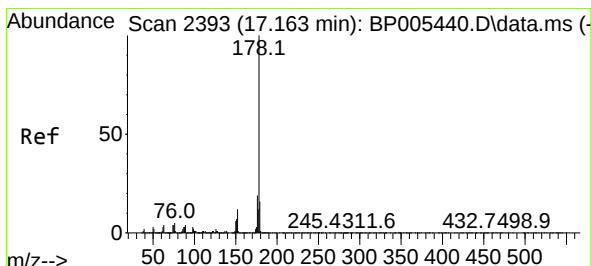
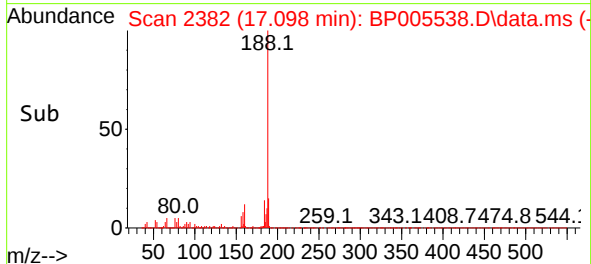
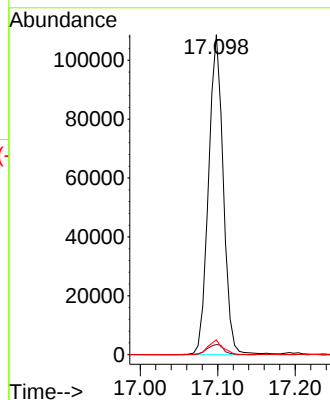
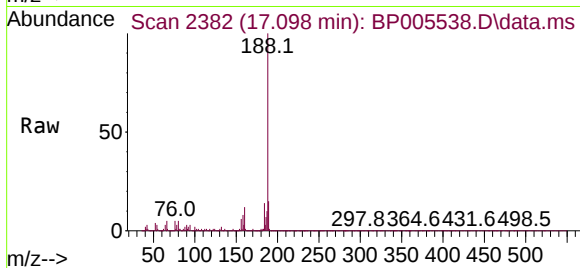




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

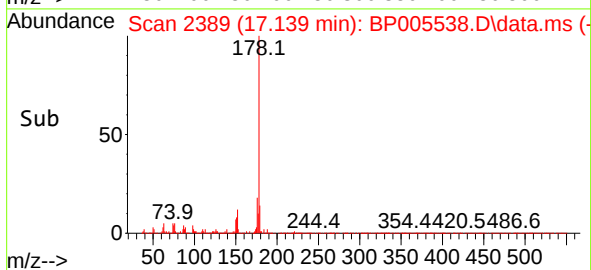
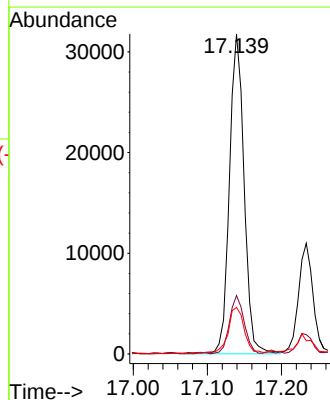
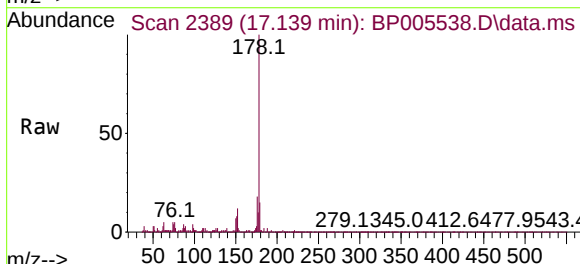
Instrument :
BNA_P
ClientSampleId :
OR-02-051221

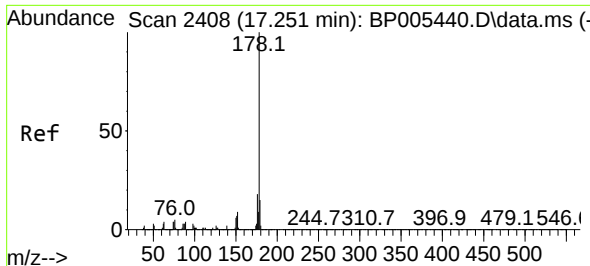
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Ion Ratio Lower Upper
188 100
94 3.2 5.0 7.6#
80 4.7 5.9 8.9#



#71
Phenanthrene
Concen: 5.36 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.000 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion:178 Resp: 43697
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.5 12.3 18.5

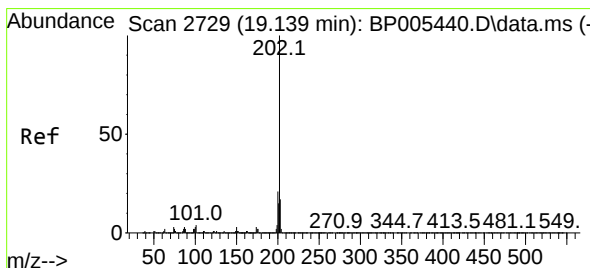
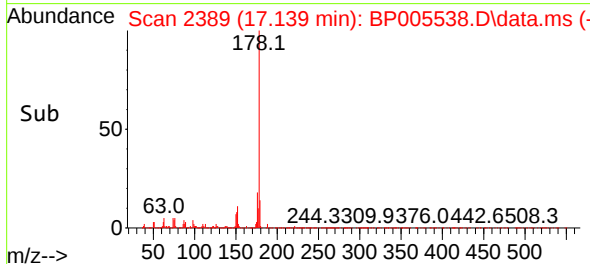
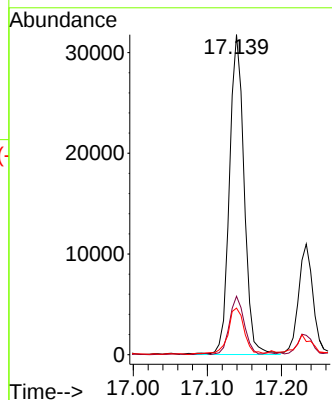
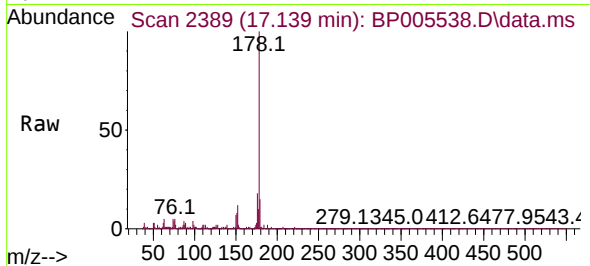




#72
 Anthracene
 Concen: 5.40 ng
 RT: 17.139 min Scan# 2389
 Delta R.T. -0.088 min
 Lab File: BP005538.D
 Acq: 14 May 2021 01:39

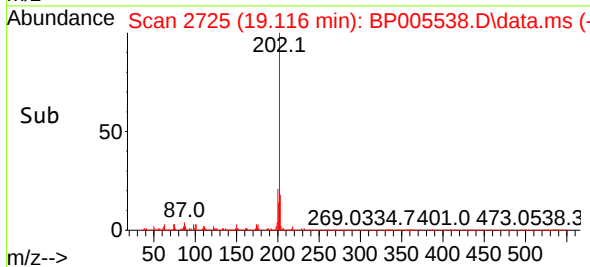
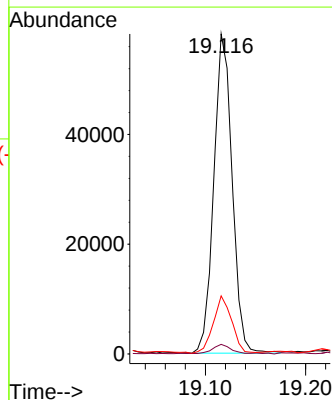
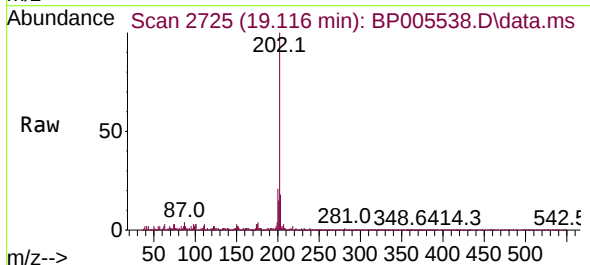
Instrument :
 BNA_P
 ClientSampleId :
 OR-02-051221

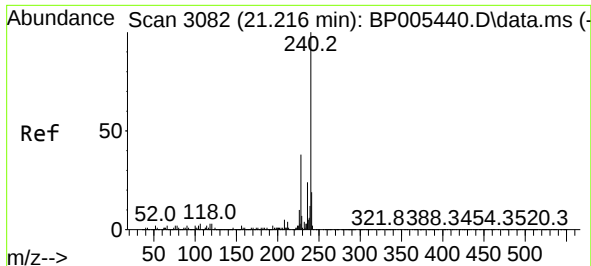
Tgt Ion:178	Resp:	43697
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.2 22.8
179	14.5	12.6 19.0



#75
 Fluoranthene
 Concen: 6.60 ng
 RT: 19.116 min Scan# 2725
 Delta R.T. -0.000 min
 Lab File: BP005538.D
 Acq: 14 May 2021 01:39

Tgt Ion:202	Resp:	74086
Ion Ratio	Lower	Upper
202	100	
101	3.0	0.0 26.1
203	18.1	0.0 37.2

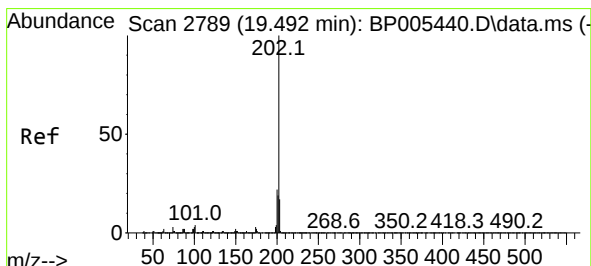
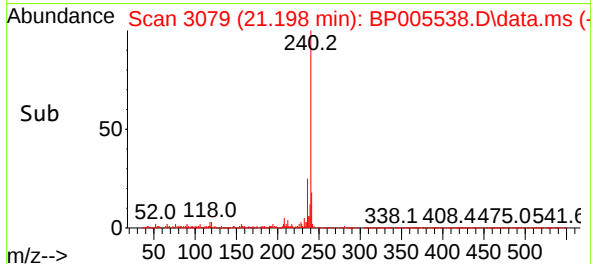
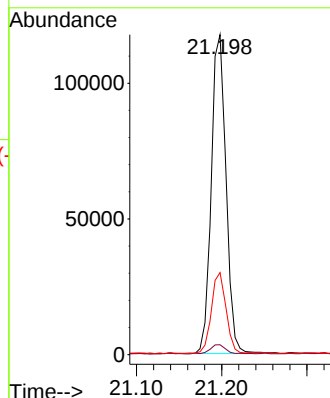
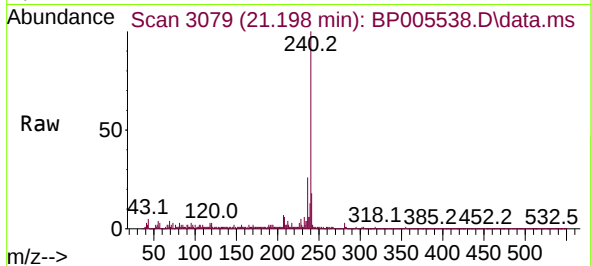




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.198 min Scan# 3079
Delta R.T. 0.006 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

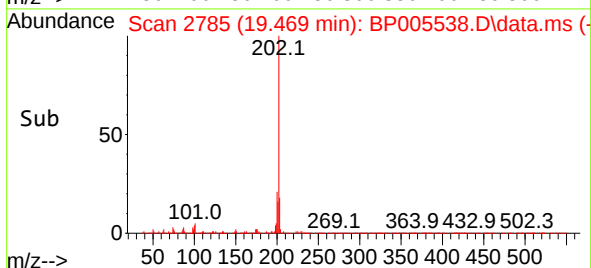
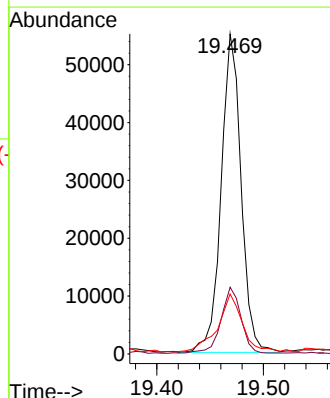
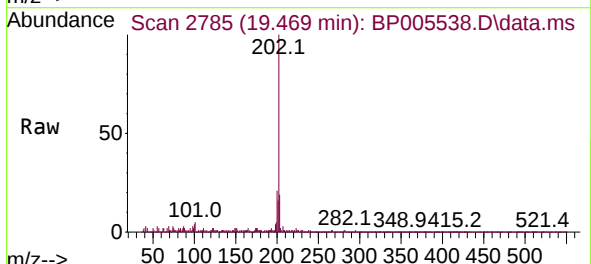
Instrument :
BNA_P
ClientSampleId :
OR-02-051221

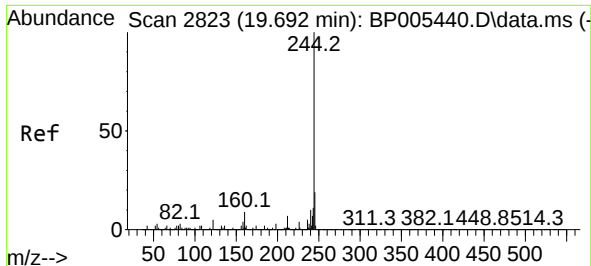
Tgt Ion:240 Resp: 141057
Ion Ratio Lower Upper
240 100
120 3.1 4.2 6.2#
236 25.6 20.2 30.2



#78
Pyrene
Concen: 8.97 ng
RT: 19.469 min Scan# 2785
Delta R.T. -0.000 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion:202 Resp: 71650
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 18.8 13.8 20.6

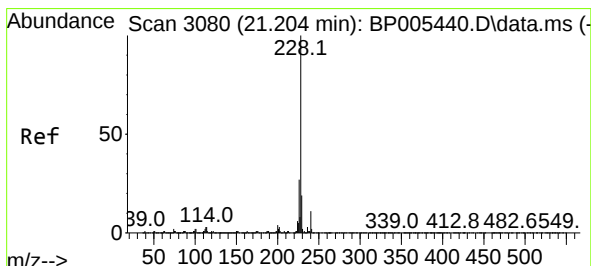
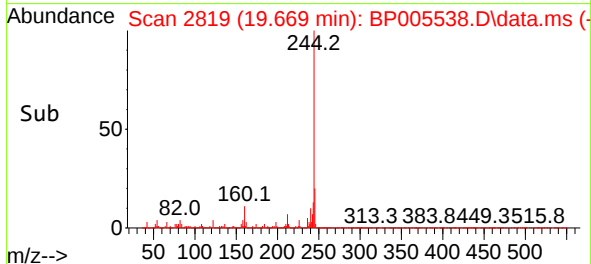
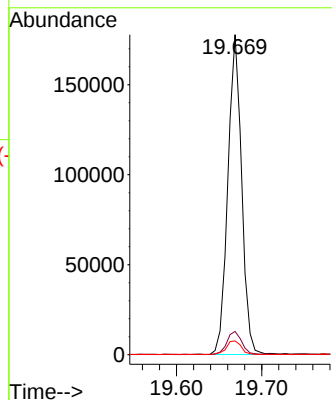
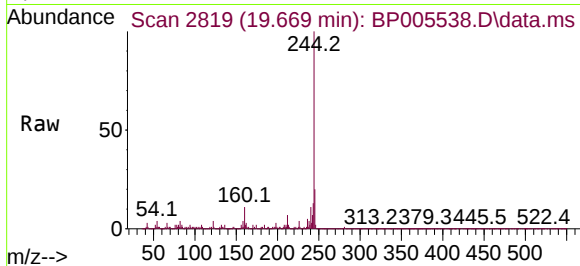




#79
Terphenyl-d14
Concen: 24.09 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

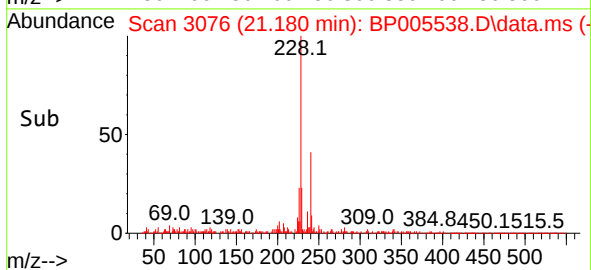
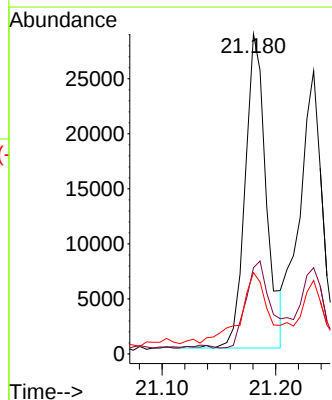
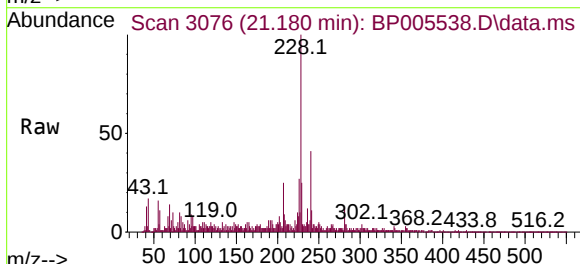
Instrument :
BNA_P
ClientSampleId :
OR-02-051221

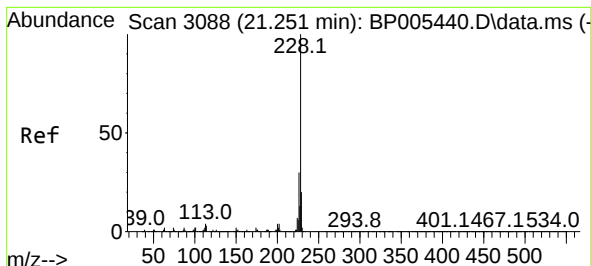
Tgt Ion:244 Resp: 200100
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 4.3 5.2 7.8#



#81
Benzo(a)anthracene
Concen: 4.04 ng
RT: 21.180 min Scan# 3076
Delta R.T. 0.006 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion:228 Resp: 36885
Ion Ratio Lower Upper
228 100
226 27.0 21.2 31.8
229 25.4 15.6 23.4#





#83

Chrysene

Concen: 3.93 ng

RT: 21.233 min Scan# 3085

Delta R.T. 0.006 min

Lab File: BP005538.D

Acq: 14 May 2021 01:39

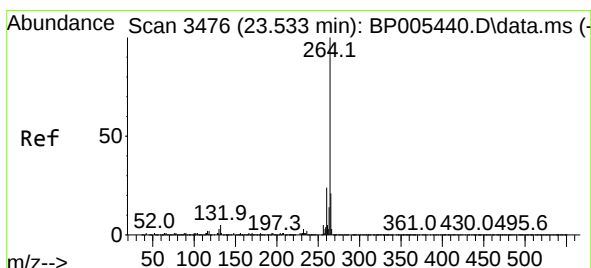
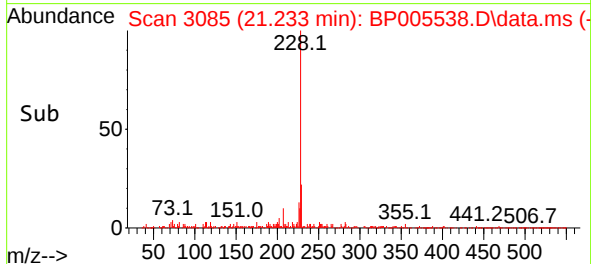
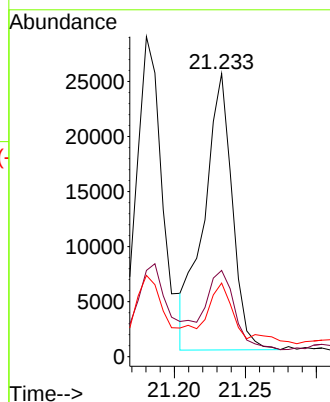
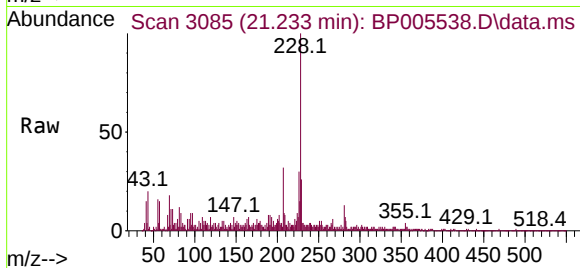
Instrument :

BNA_P

ClientSampleId :

OR-02-051221

Tgt Ion:228	Resp:	34861
Ion Ratio	Lower	Upper
228	100	
226	30.5	24.8 37.2
229	26.0	15.4 23.0



#86

Perylene-d12

Concen: 20.00 ng

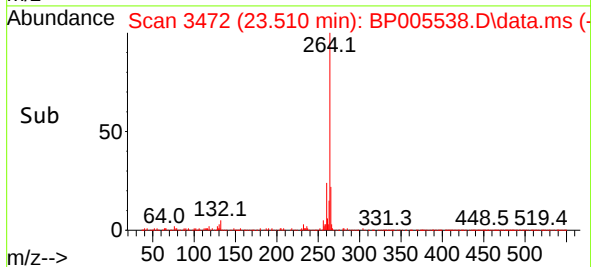
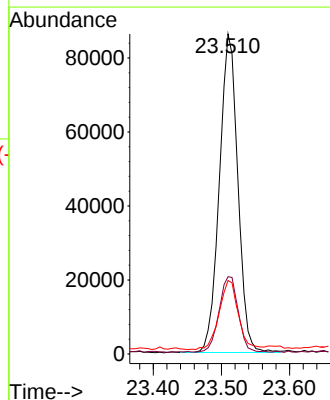
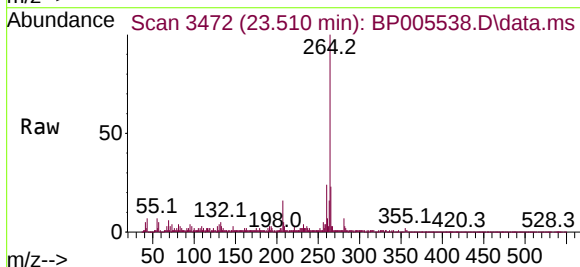
RT: 23.510 min Scan# 3472

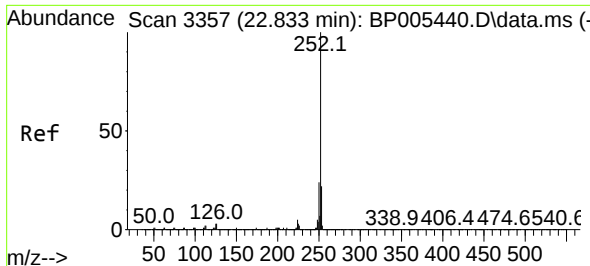
Delta R.T. 0.006 min

Lab File: BP005538.D

Acq: 14 May 2021 01:39

Tgt Ion:264	Resp:	162452
Ion Ratio	Lower	Upper
264	100	
260	24.1	20.6 30.8
265	22.9	19.0 28.6

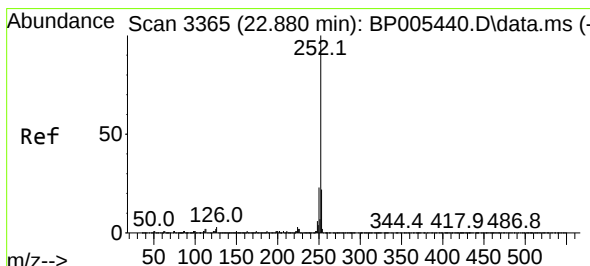
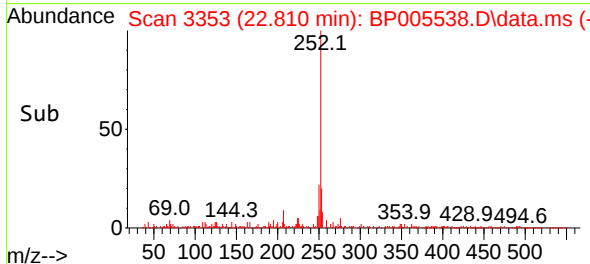
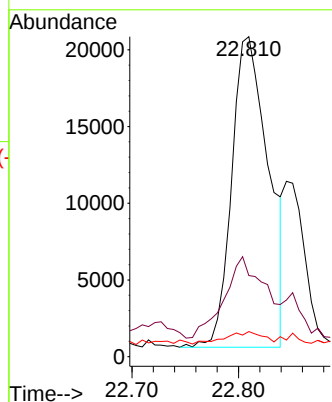
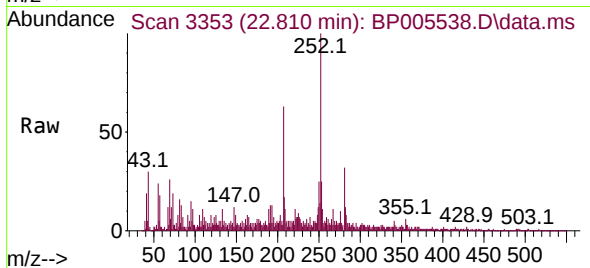




#88
Benzo(b)fluoranthene
Concen: 4.49 ng
RT: 22.810 min Scan# 3353
Delta R.T. 0.012 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

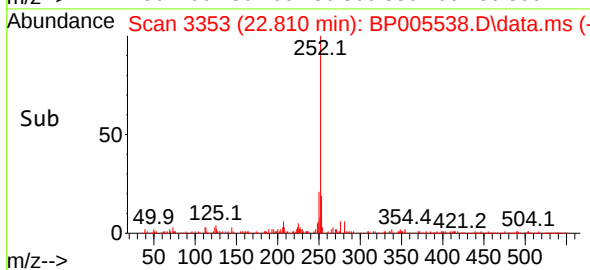
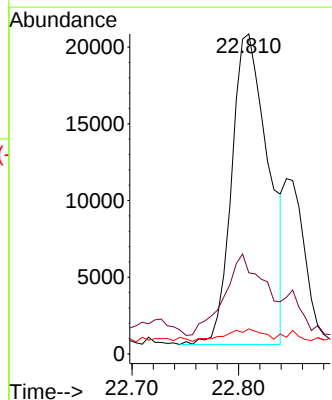
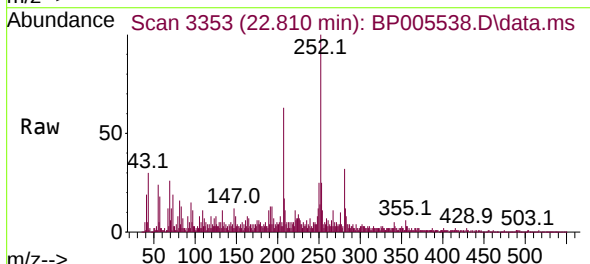
Instrument :
BNA_P
ClientSampleId :
OR-02-051221

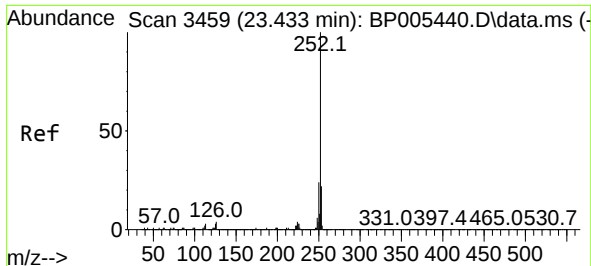
Tgt Ion:252 Resp: 48563
Ion Ratio Lower Upper
252 100
253 25.3 18.2 27.2
125 7.9 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 4.59 ng
RT: 22.810 min Scan# 3353
Delta R.T. -0.035 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion:252 Resp: 48563
Ion Ratio Lower Upper
252 100
253 25.3 17.2 25.8
125 7.9 3.8 5.6#

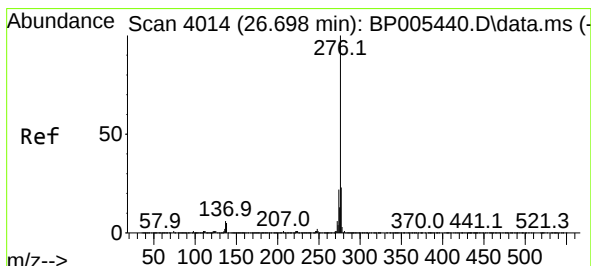
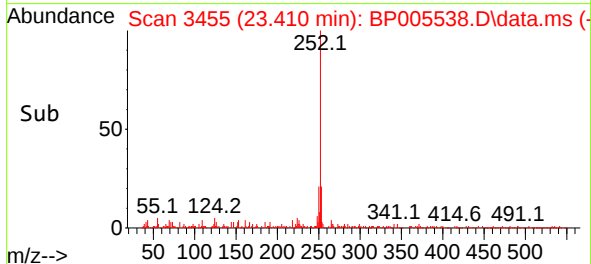
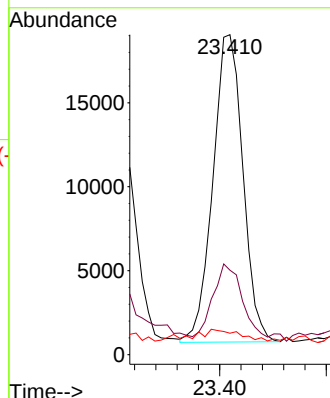
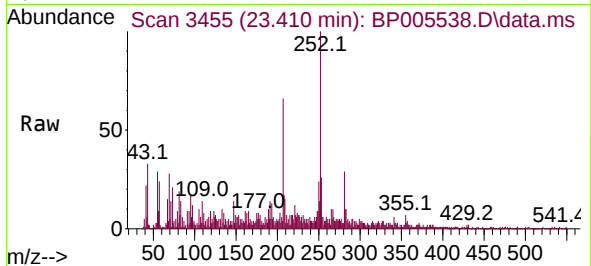




#90
Benzo(a)pyrene
Concen: 3.60 ng
RT: 23.410 min Scan# 3455
Delta R.T. 0.012 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Instrument :
BNA_P
ClientSampleId :
OR-02-051221

Tgt Ion:252 Resp: 35753
Ion Ratio Lower Upper
252 100
253 26.4 17.1 25.7#
125 6.7 3.8 5.6#



#92
Benzo(g,h,i)perylene
Concen: 2.43 ng
RT: 26.657 min Scan# 4007
Delta R.T. 0.018 min
Lab File: BP005538.D
Acq: 14 May 2021 01:39

Tgt Ion:276 Resp: 27110
Ion Ratio Lower Upper
276 100
277 29.0 19.8 29.8
138 8.8 7.7 11.5

