

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
 Data File : BP008482.D
 Acq On : 17 Dec 2021 21:17
 Operator : CG/JU
 Sample : M5084-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C5

Quant Time: Dec 18 06:17:48 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

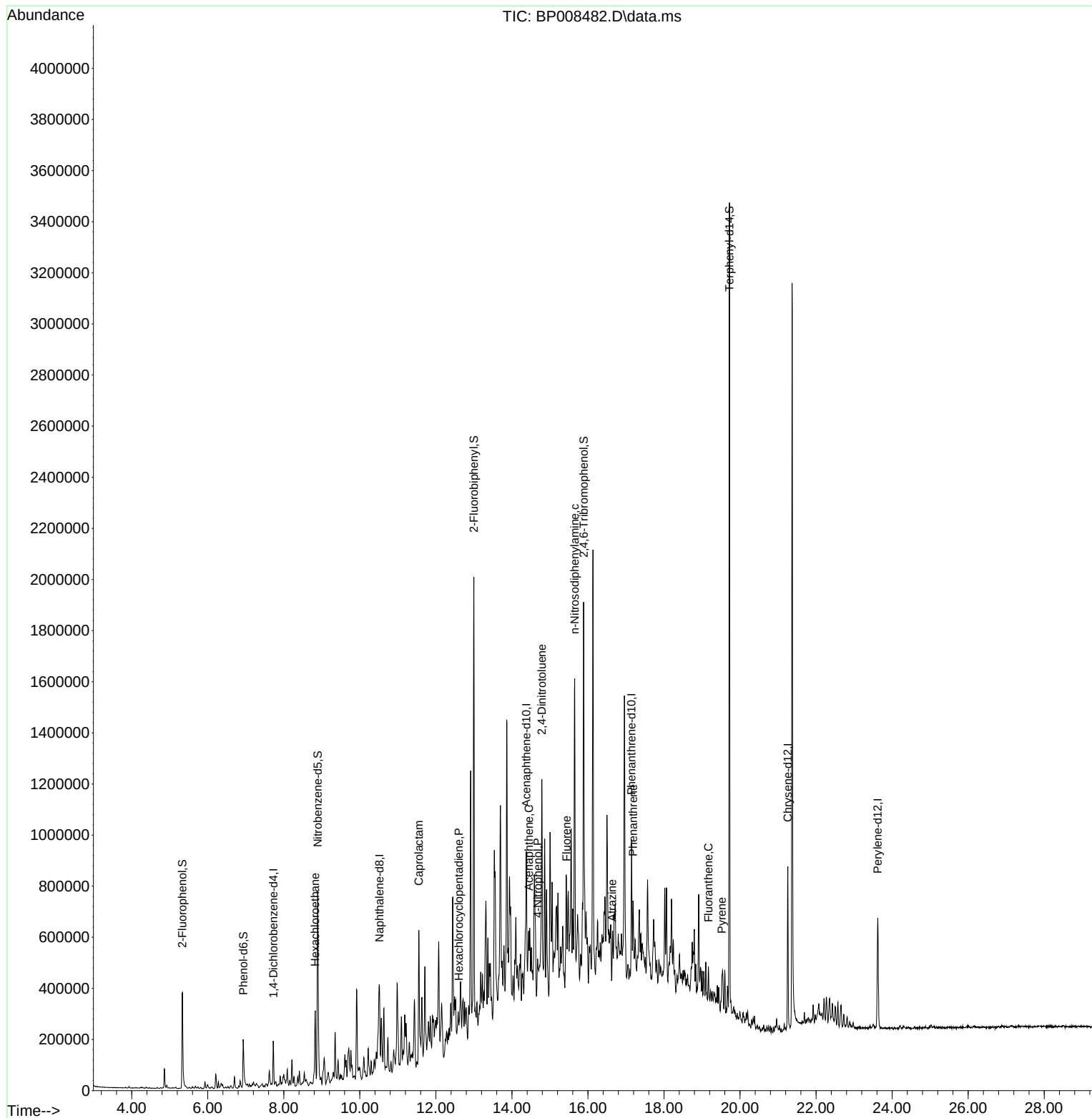
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	48758	20.000	ng	-0.02
21) Naphthalene-d8	10.516	136	186131	20.000	ng	-0.02
39) Acenaphthene-d10	14.381	164	123757	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	260604	20.000	ng	-0.02
76) Chrysene-d12	21.257	240	304934	20.000	ng	-0.01
86) Perylene-d12	23.621	264	347584	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	181186	58.685	ng	-0.01
7) Phenol-d6	6.934	99	134298	32.387	ng	0.00
23) Nitrobenzene-d5	8.893	82	405370	92.265	ng	-0.02
42) 2,4,6-Tribromophenol	15.886	330	266670	146.626	ng	-0.02
45) 2-Fluorobiphenyl	12.998	172	883275	90.728	ng	-0.02
79) Terphenyl-d14	19.722	244	1466032	83.673	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	25	Below Cal	#	1
9) Benzaldehyde	6.857	77	308	Below Cal	#	12
18) Hexachloroethane	8.828	117	37821	27.529	ng	# 1
35) Caprolactam	11.551	113	17641	29.008	ng	# 60
41) Hexachlorocyclopentadiene	12.604	237	19	8.665	ng	82
52) Acenaphthene	14.445	154	44749	6.711	ng	97
56) 4-Nitrophenol	14.681	139	4621	4.320	ng	# 51
57) 2,4-Dinitrotoluene	14.786	165	13370	5.116	ng	# 51
58) Fluorene	15.439	166	109495	12.450	ng	# 96
66) n-Nitrosodiphenylamine	15.651	169	86036	10.486	ng	# 53
69) Atrazine	16.633	200	5158	2.854	ng	# 62
71) Phenanthrene	17.186	178	144352	10.226	ng	# 94
75) Fluoranthene	19.169	202	55322	3.471	ng	95
78) Pyrene	19.522	202	80837	3.705	ng	96

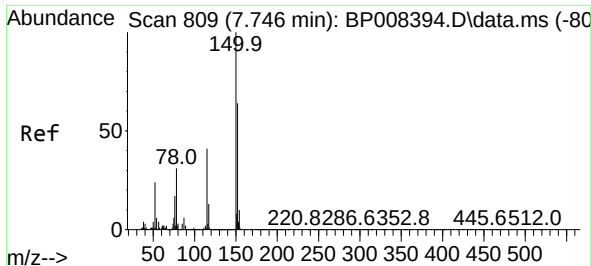
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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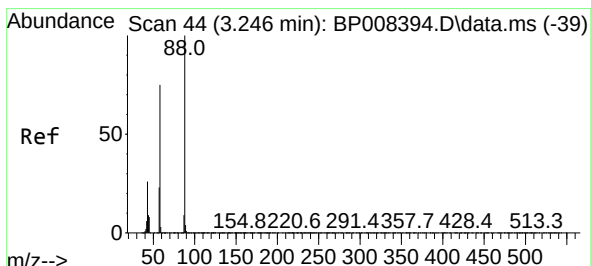
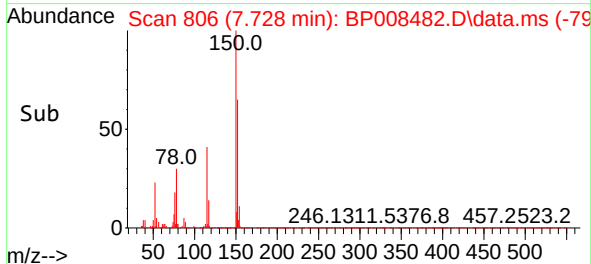
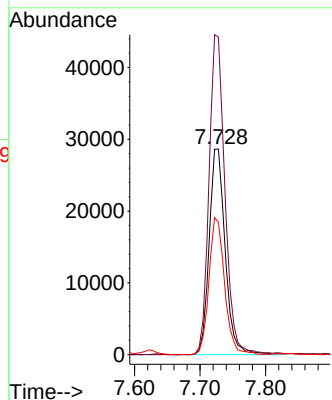
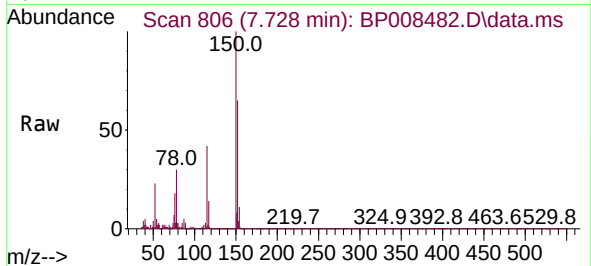




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.728 min Scan# 80
 Delta R.T. -0.018 min
 Lab File: BP008482.D
 Acq: 17 Dec 2021 21:17

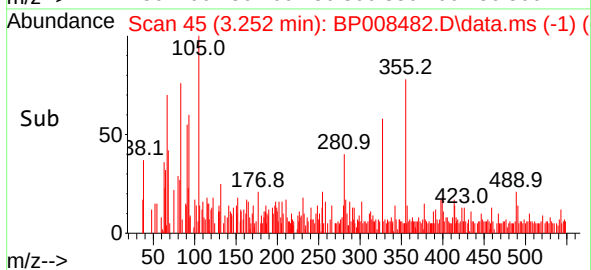
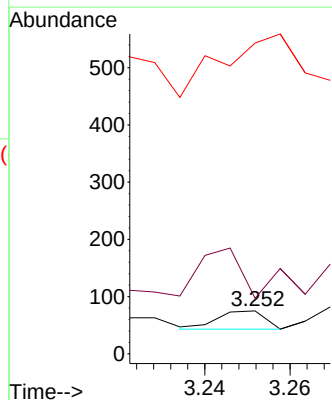
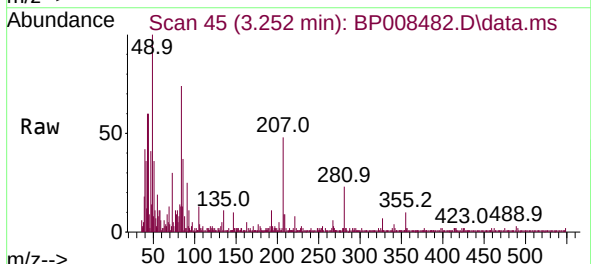
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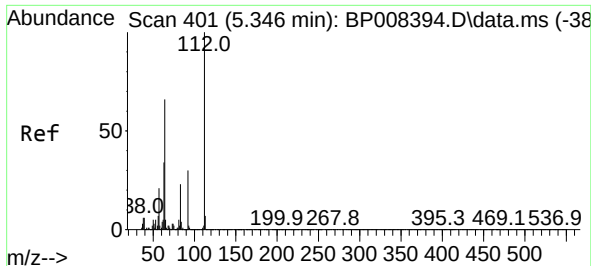
Tgt Ion:152 Resp: 48758
 Ion Ratio Lower Upper
 152 100
 150 154.5 125.7 188.5
 115 64.3 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.252 min Scan# 45
 Delta R.T. 0.006 min
 Lab File: BP008482.D
 Acq: 17 Dec 2021 21:17

Tgt Ion: 88 Resp: 25
 Ion Ratio Lower Upper
 88 100
 58 288.0 63.5 95.3#
 43 0.0 23.4 35.2#

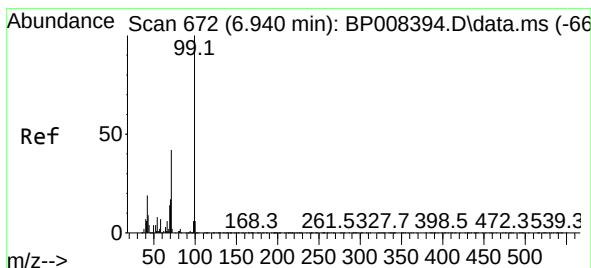
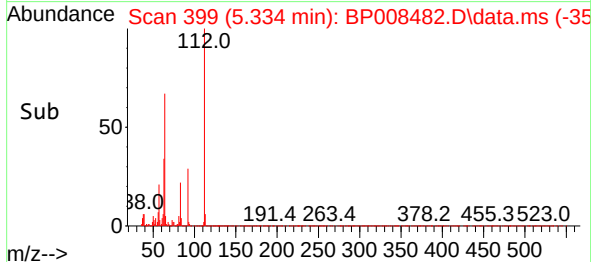
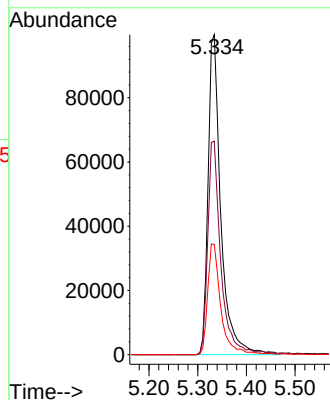
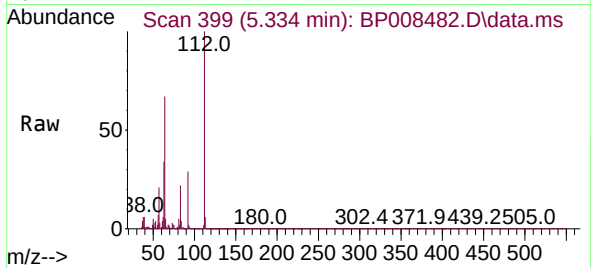




#5
2-Fluorophenol
Concen: 58.685 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.012 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

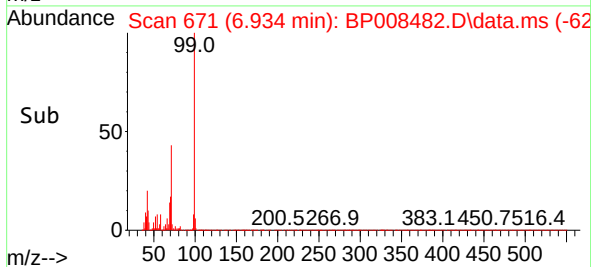
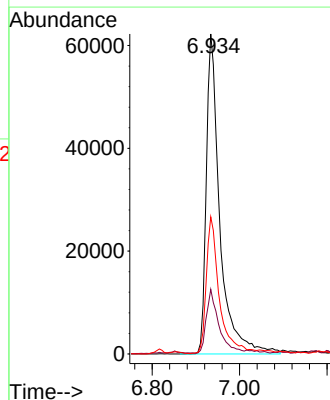
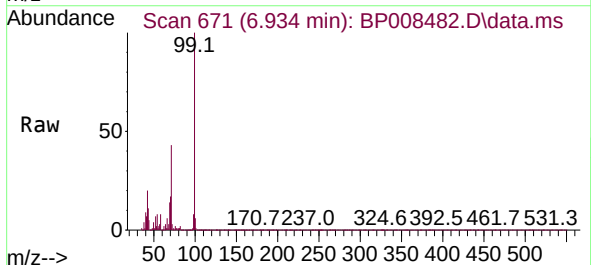
Instrument :
BNA_P
ClientSampleId :
C5

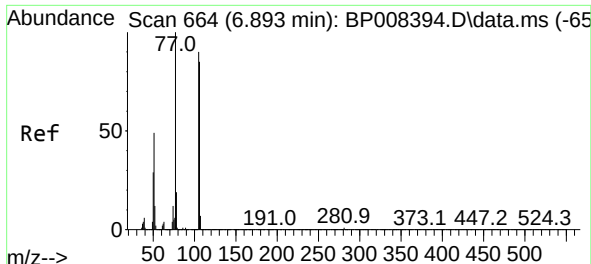
Tgt Ion:112 Resp: 181186
Ion Ratio Lower Upper
112 100
64 66.8 53.4 80.2
63 34.4 27.8 41.8



#7
Phenol-d6
Concen: 32.387 ng
RT: 6.934 min Scan# 671
Delta R.T. -0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion: 99 Resp: 134298
Ion Ratio Lower Upper
99 100
42 20.2 14.6 22.0
71 42.8 31.1 46.7

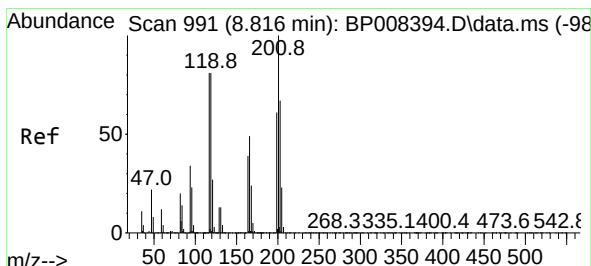
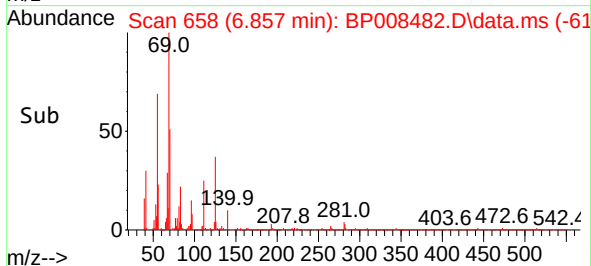
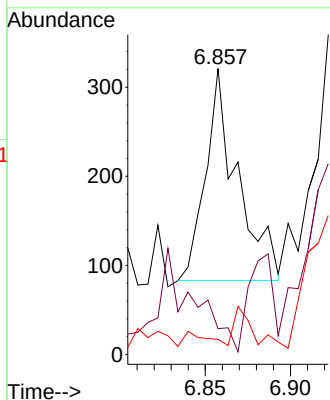
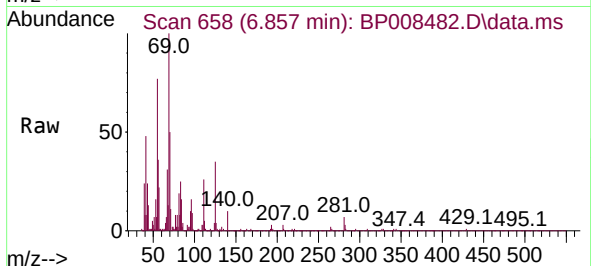




#9
Benzaldehyde
Concen: Below Cal
RT: 6.857 min Scan# 61
Delta R.T. -0.036 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

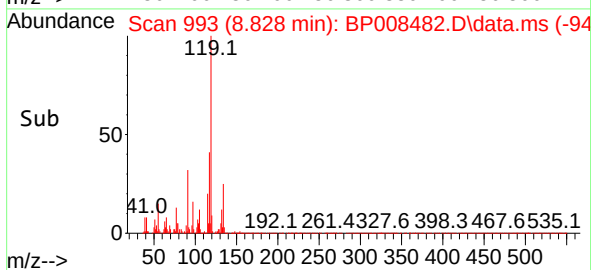
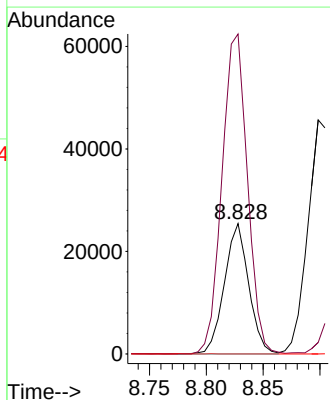
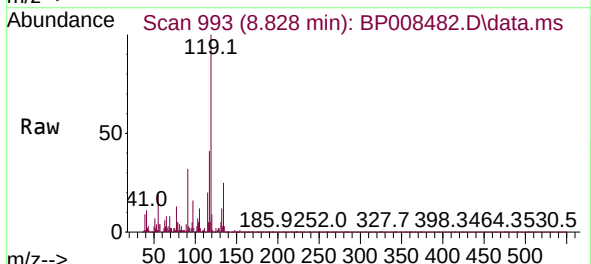
Instrument :
BNA_P
ClientSampleId :
C5

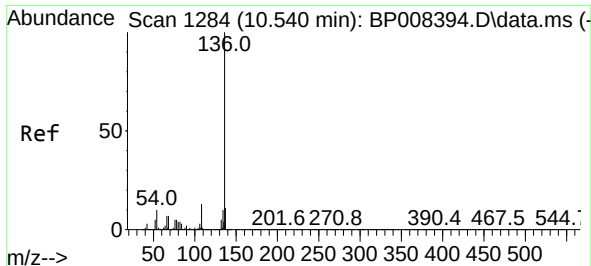
Tgt Ion: 77 Resp: 308
Ion Ratio Lower Upper
77 100
105 9.0 71.8 111.8#
106 5.3 67.3 107.3#



#18
Hexachloroethane
Concen: 27.529 ng
RT: 8.828 min Scan# 993
Delta R.T. 0.012 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion: 117 Resp: 37821
Ion Ratio Lower Upper
117 100
119 245.4 74.7 112.1#
201 0.0 88.6 132.8#

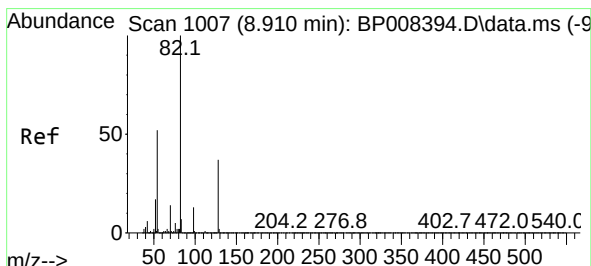
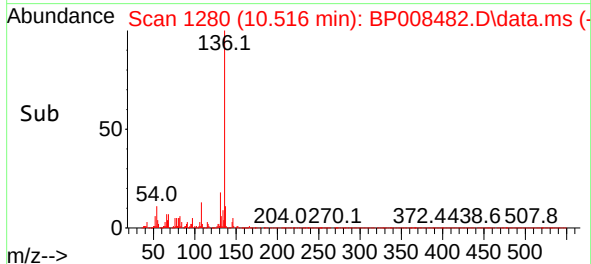
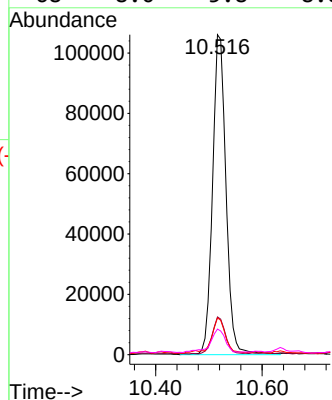
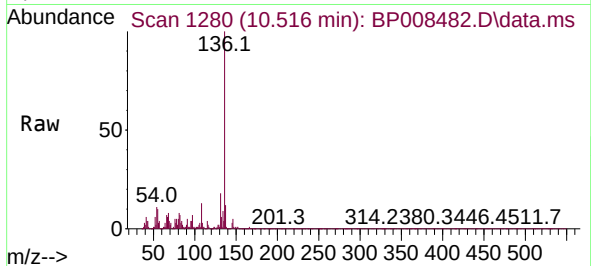




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 11
Delta R.T. -0.024 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

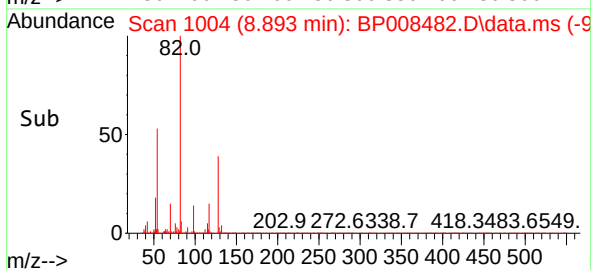
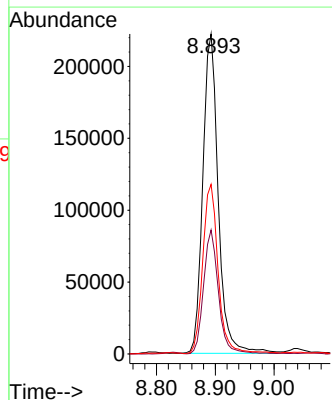
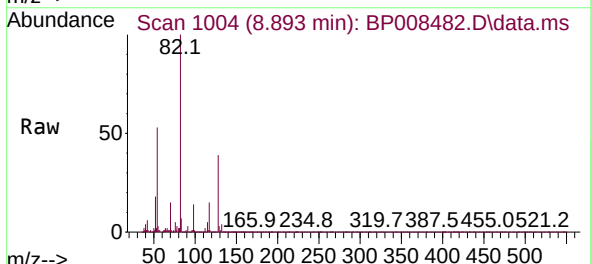
Instrument :
BNA_P
ClientSampleId :
C5

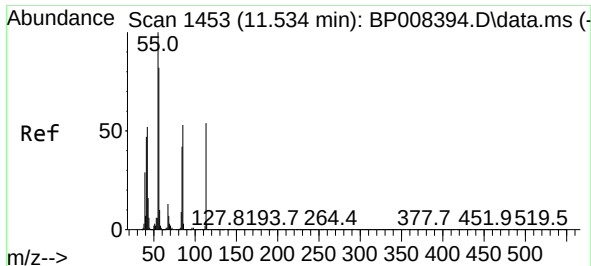
Tgt Ion:	136	Resp:	186131
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.0	13.6
54	11.5	8.2	12.4
68	8.0	5.8	8.8



#23
Nitrobenzene-d5
Concen: 92.265 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:	82	Resp:	405370
Ion Ratio	Lower	Upper	
82	100		
128	38.7	29.6	44.4
54	53.0	42.7	64.1

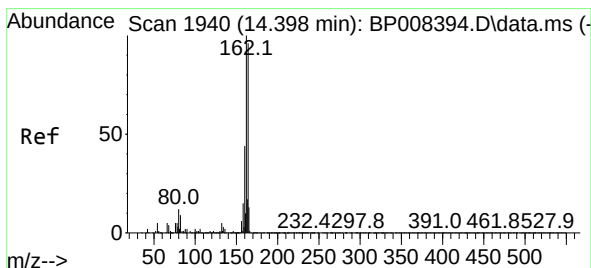
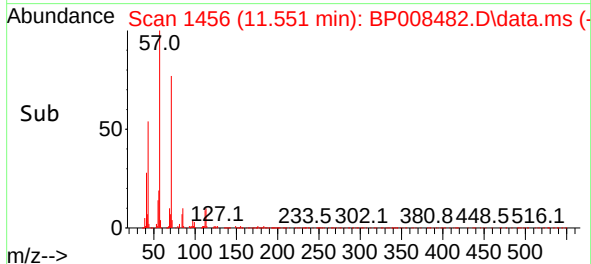
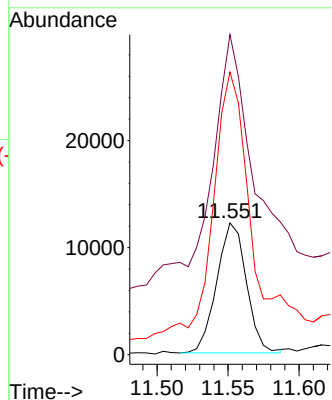
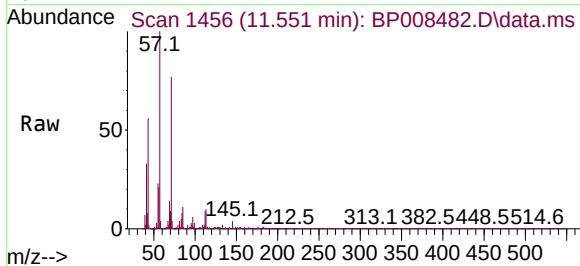




#35
Caprolactam
Concen: 29.008 ng
RT: 11.551 min Scan# 1453
Delta R.T. 0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

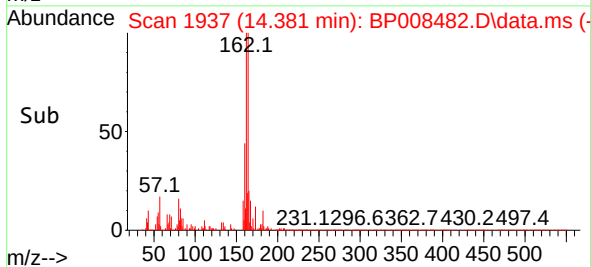
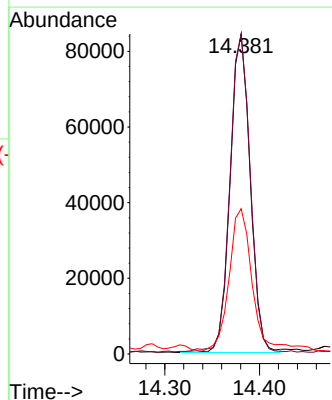
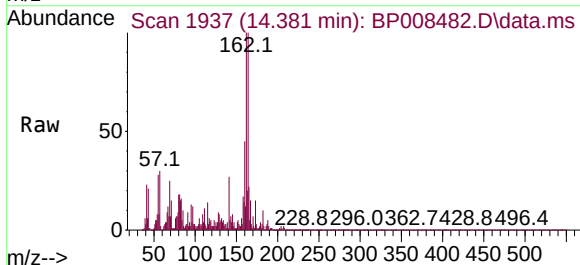
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C5

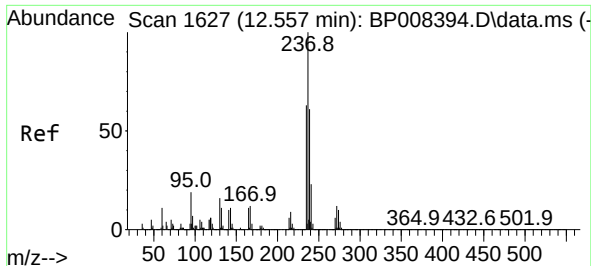
Tgt Ion:113 Resp: 17641
Ion Ratio Lower Upper
113 100
55 242.7 174.2 214.2#
56 214.4 130.3 170.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.017 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:164 Resp: 123757
Ion Ratio Lower Upper
164 100
162 100.0 81.9 122.9
160 45.4 35.4 53.0

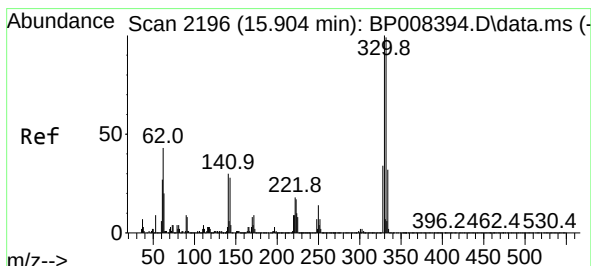
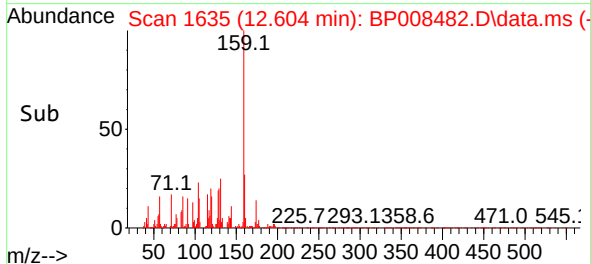
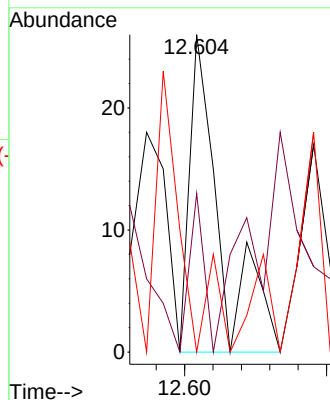
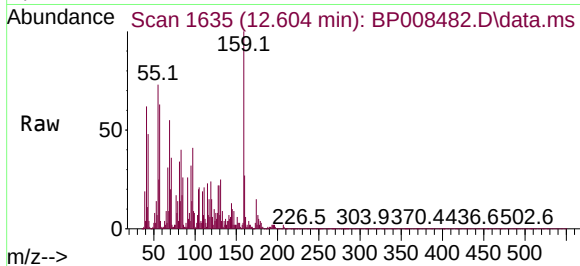




#41
Hexachlorocyclopentadiene
Concen: 8.665 ng
RT: 12.604 min Scan# 1
Delta R.T. 0.047 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

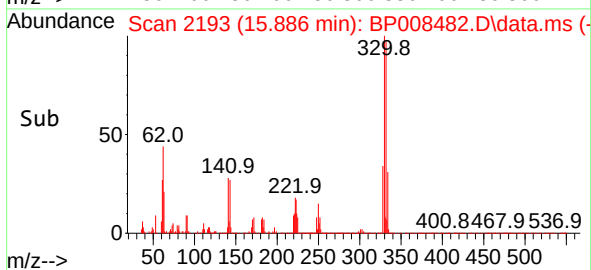
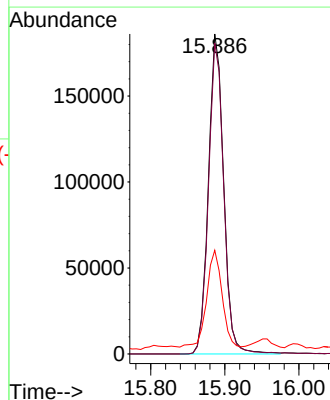
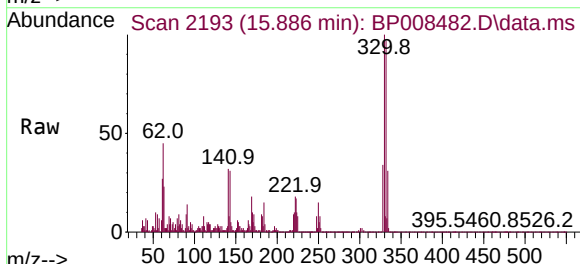
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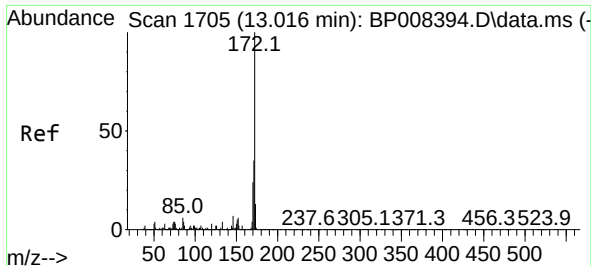
Tgt Ion:237	Resp:	19
Ion Ratio	Lower	Upper
237	100	
235	50.0	42.3 82.3
272	0.0	0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 146.626 ng
RT: 15.886 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:330	Resp:	266670
Ion Ratio	Lower	Upper
330	100	
332	97.4	77.0 115.4
141	31.3	28.4 42.6

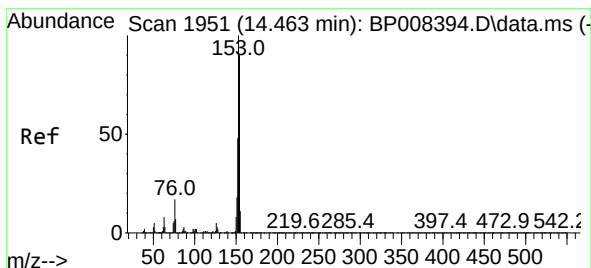
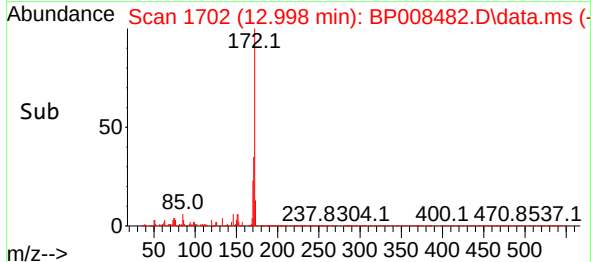
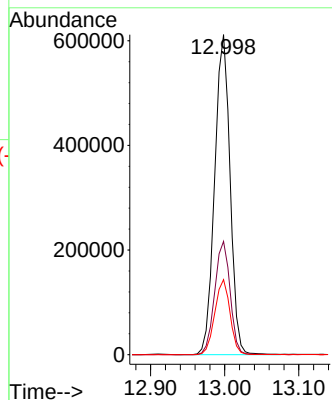
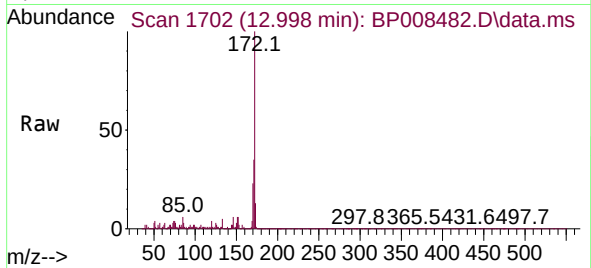




#45
2-Fluorobiphenyl
Concen: 90.728 ng
RT: 12.998 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

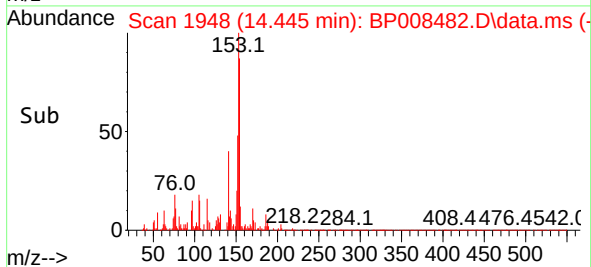
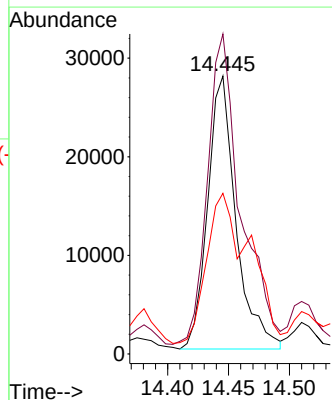
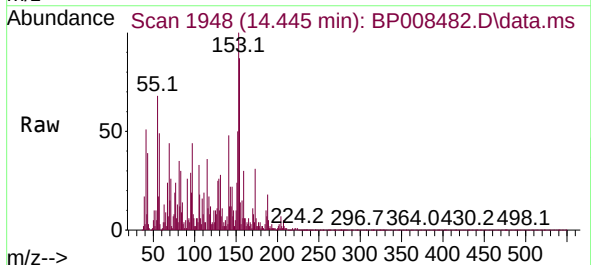
Instrument :
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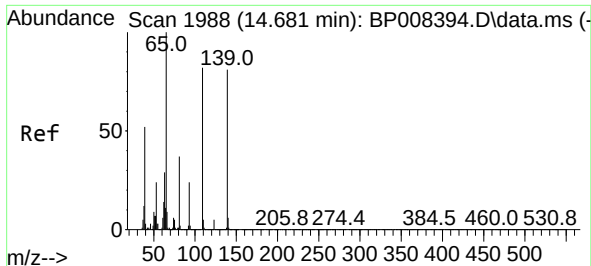
Tgt Ion:	172	Resp:	883275
Ion Ratio	Lower	Upper	
172	100		
171	35.4	28.0	42.0
170	23.4	18.9	28.3



#52
Acenaphthene
Concen: 6.711 ng
RT: 14.445 min Scan# 1948
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:	154	Resp:	44749
Ion Ratio	Lower	Upper	
154	100		
153	115.1	90.3	135.5
152	57.8	43.3	64.9

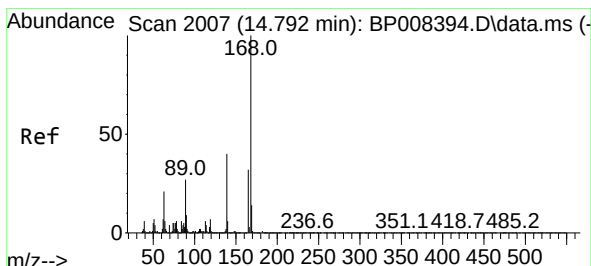
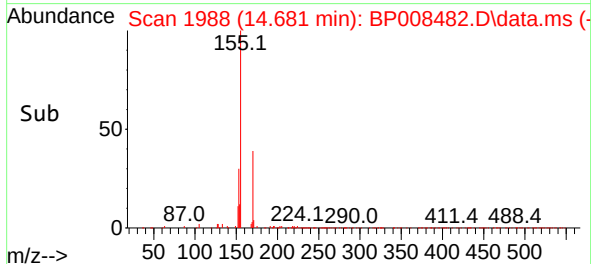
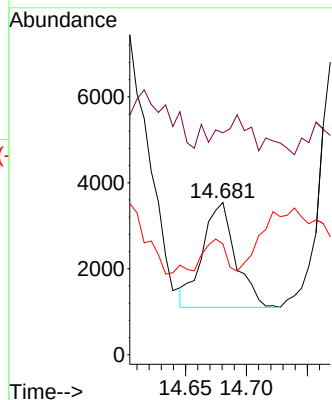
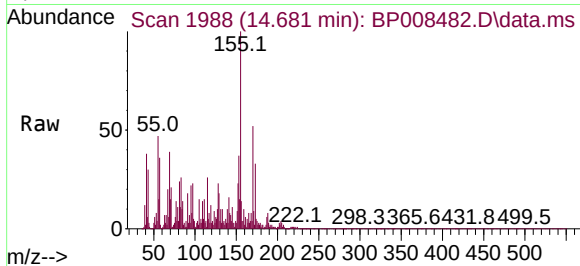




#56
4-Nitrophenol
Concen: 4.320 ng
RT: 14.681 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

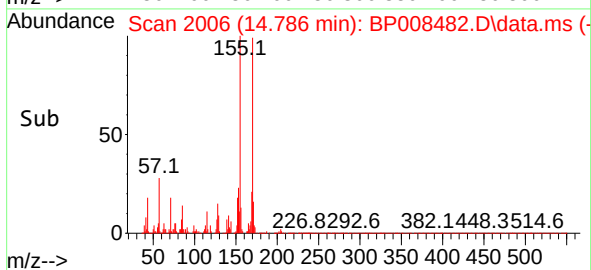
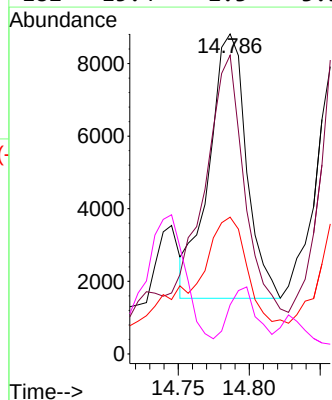
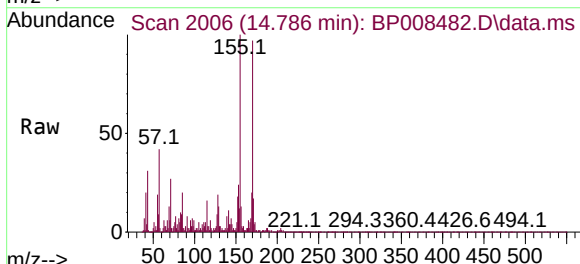
Instrument :
BNA_P
ClientSampleId :
C5

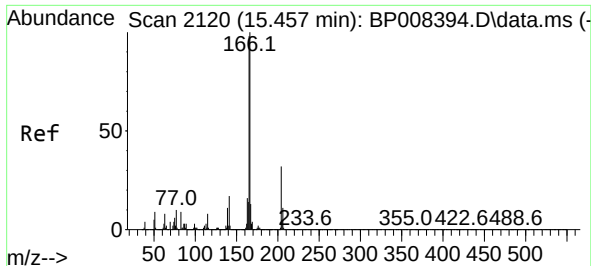
Tgt Ion:139 Resp: 4621
Ion Ratio Lower Upper
139 100
109 145.8 65.9 105.9#
65 72.7 91.9 131.9#



#57
2,4-Dinitrotoluene
Concen: 5.116 ng
RT: 14.786 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:165 Resp: 13370
Ion Ratio Lower Upper
165 100
63 93.3 38.9 58.3#
89 42.8 60.5 90.7#
182 15.4 2.3 3.5#

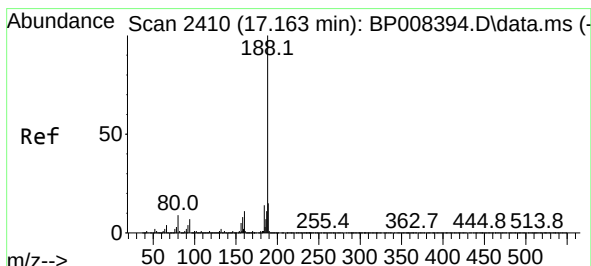
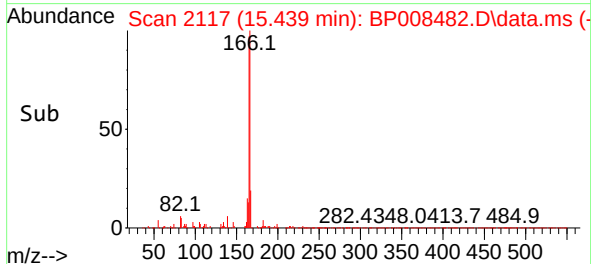
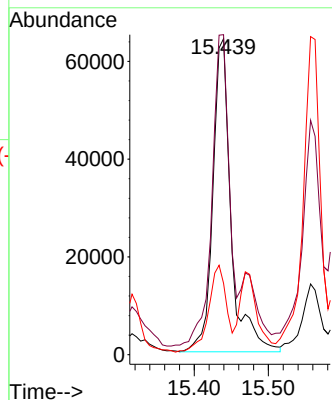
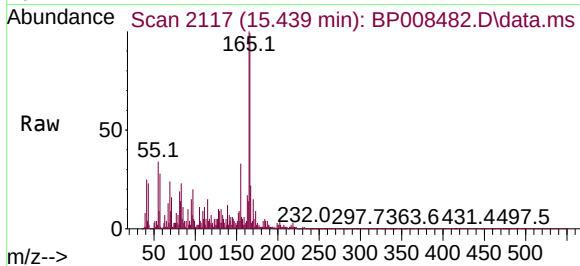




#58
Fluorene
Concen: 12.450 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

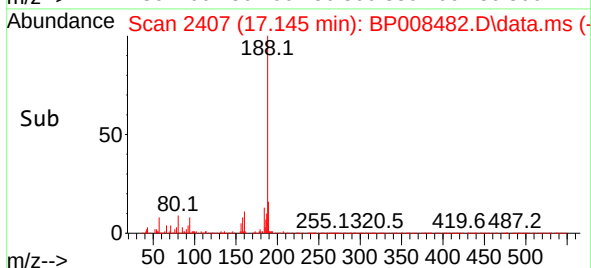
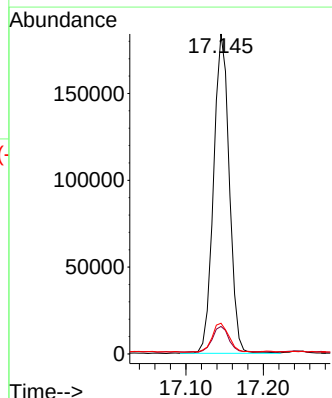
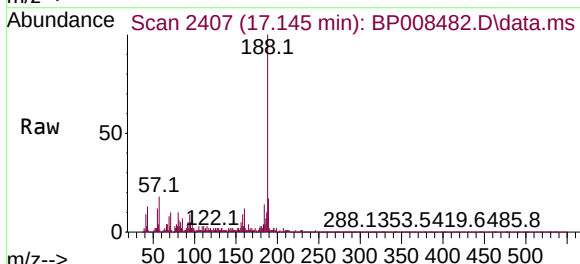
Instrument :
BNA_P
ClientSampleId :
C5

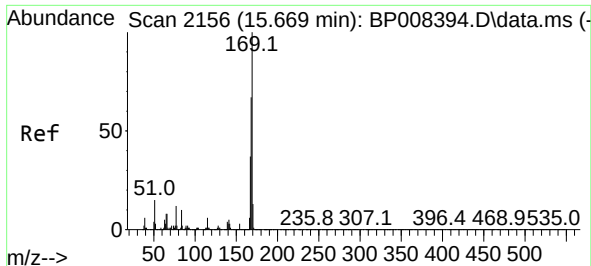
Tgt Ion:166 Resp: 109495
Ion Ratio Lower Upper
166 100
165 101.3 79.4 119.2
167 22.6 10.9 16.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:188 Resp: 260604
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 9.6 8.2 12.4

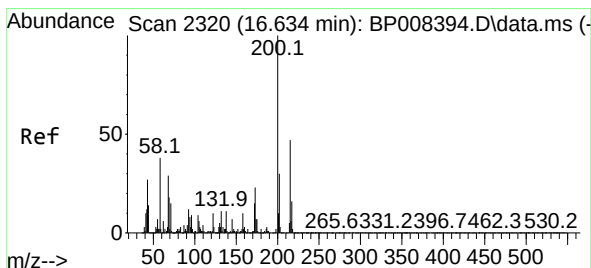
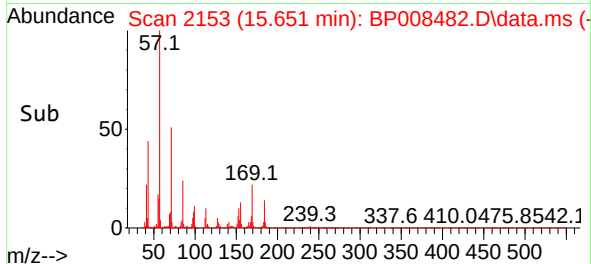
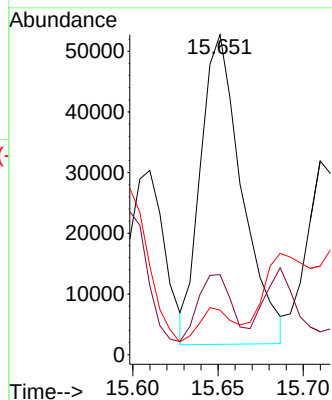
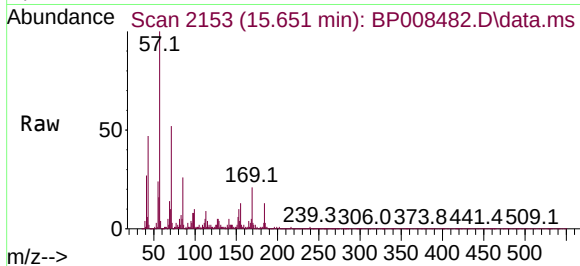




#66
n-Nitrosodiphenylamine
Concen: 10.486 ng
RT: 15.651 min Scan# 2156
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

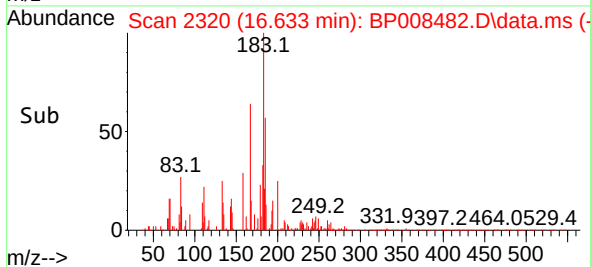
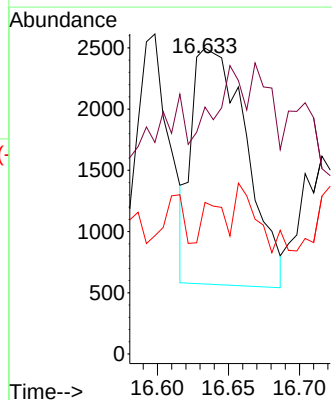
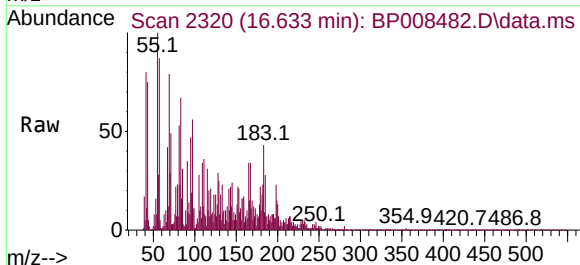
Instrument :
BNA_P
ClientSampleId :
C5

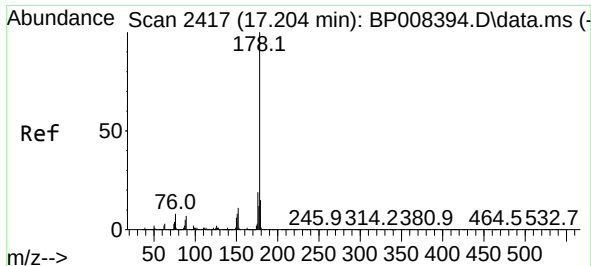
Tgt Ion:169 Resp: 86036
Ion Ratio Lower Upper
169 100
168 25.0 53.5 80.3#
167 13.9 29.3 43.9#



#69
Atrazine
Concen: 2.854 ng
RT: 16.633 min Scan# 2320
Delta R.T. -0.000 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:200 Resp: 5158
Ion Ratio Lower Upper
200 100
173 80.7 6.8 46.8#
215 49.5 28.4 68.4

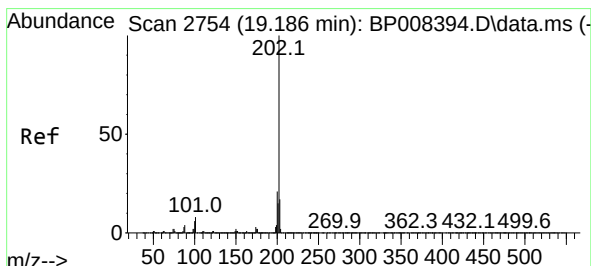
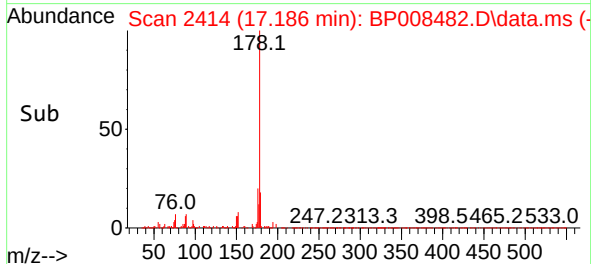
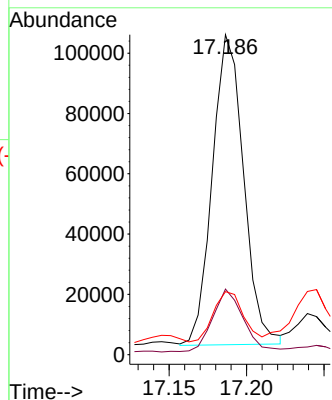
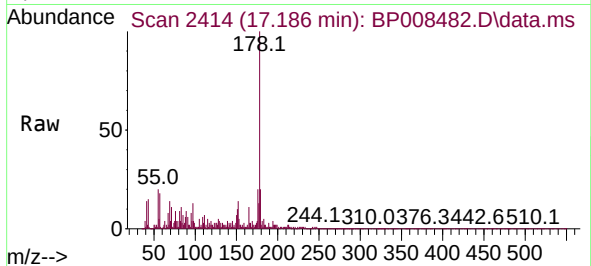




#71
Phenanthrene
Concen: 10.226 ng
RT: 17.186 min Scan# 2417
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

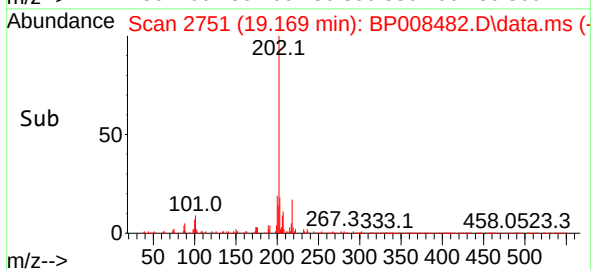
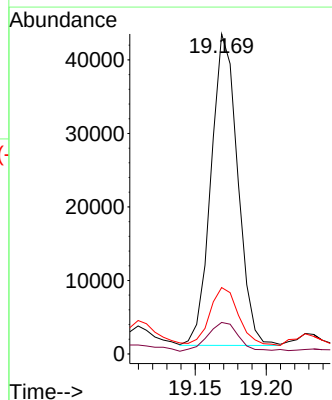
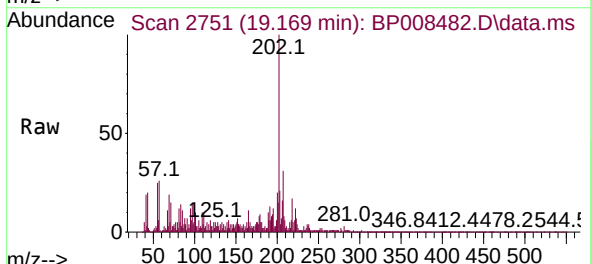
Instrument :
BNA_P
ClientSampleId :
C5

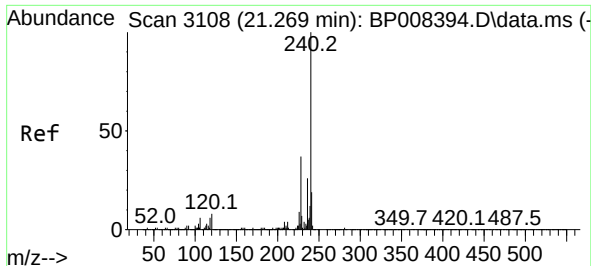
Tgt Ion:178 Resp: 144352
Ion Ratio Lower Upper
178 100
176 20.5 15.3 22.9
179 19.7 12.5 18.7#



#75
Fluoranthene
Concen: 3.471 ng
RT: 19.169 min Scan# 2751
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:202 Resp: 55322
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.8
203 20.7 0.0 37.7

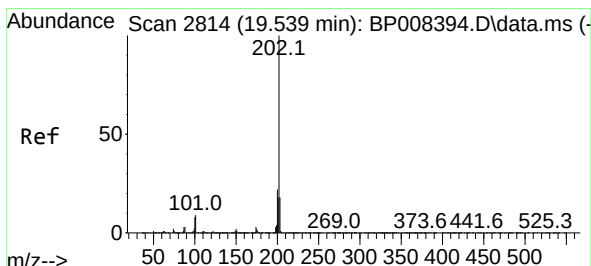
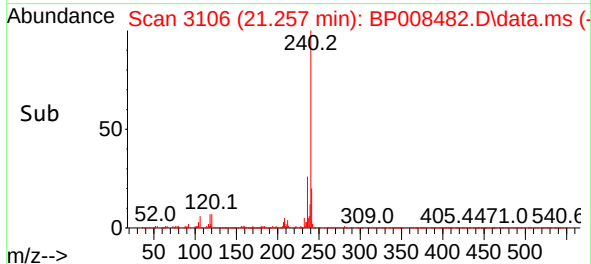
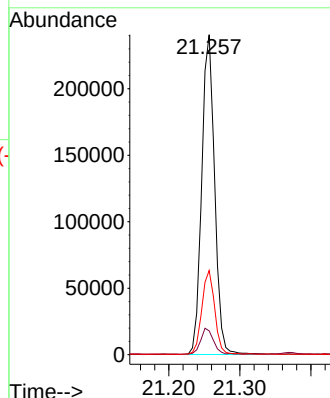
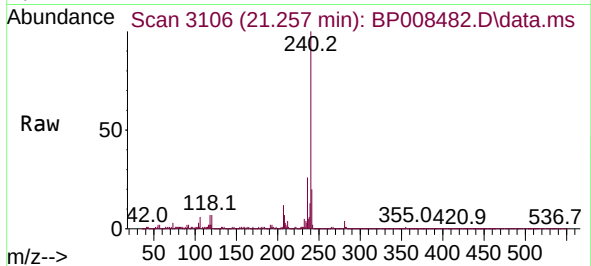




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.257 min Scan# 3106
Delta R.T. -0.012 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

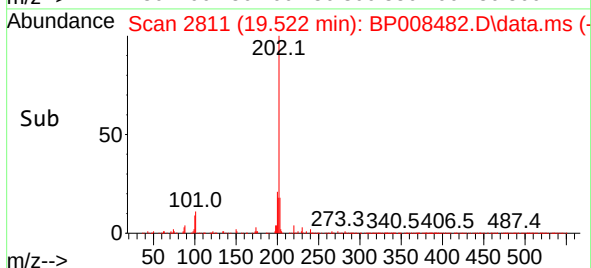
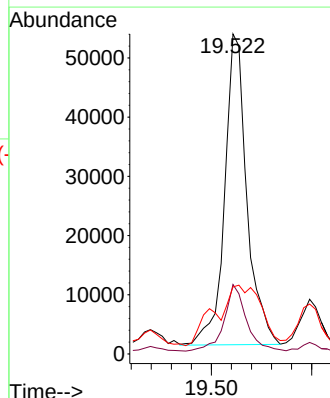
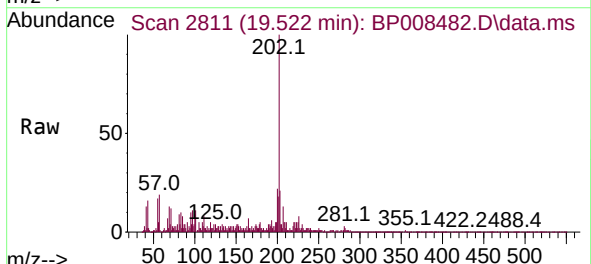
Instrument :
BNA_P
ClientSampleId :
C5

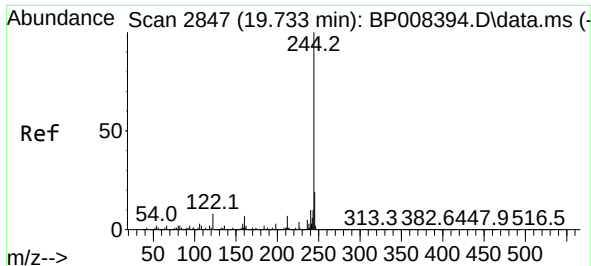
Tgt Ion:240 Resp: 304934
Ion Ratio Lower Upper
240 100
120 7.5 7.3 10.9
236 26.3 21.4 32.2



#78
Pyrene
Concen: 3.705 ng
RT: 19.522 min Scan# 2811
Delta R.T. -0.018 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:202 Resp: 80837
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 21.0 14.2 21.2



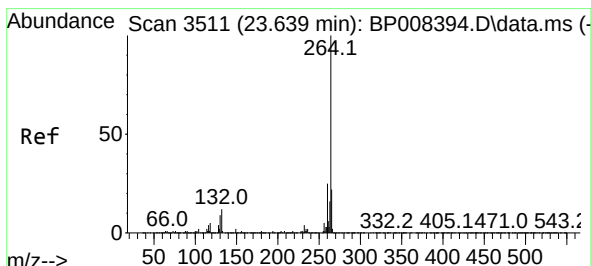
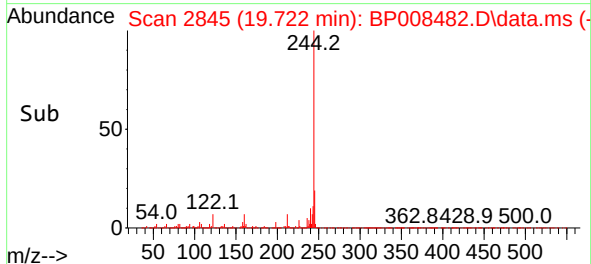
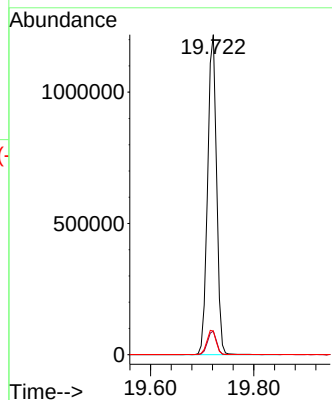
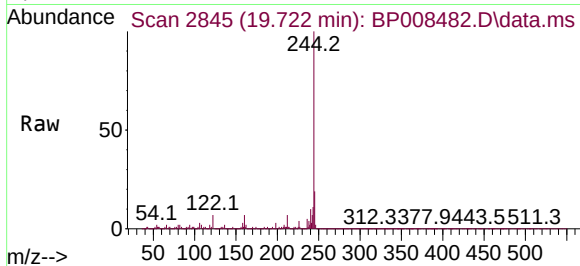


#79
 Terphenyl-d14
 Concen: 83.673 ng
 RT: 19.722 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP008482.D
 Acq: 17 Dec 2021 21:17

Instrument :
 BNA_P
 ClientSampleId :
 C5

Tgt Ion:244 Resp: 1466032

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	7.4	6.6	9.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.621 min Scan# 3508
 Delta R.T. -0.018 min
 Lab File: BP008482.D
 Acq: 17 Dec 2021 21:17

Tgt Ion:264 Resp: 347584

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.4	17.6	26.4

