

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008435.D
 Acq On : 16 Dec 2021 03:24
 Operator : CG/JU
 Sample : M5018-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP2B

Quant Time: Dec 16 06:48:19 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)

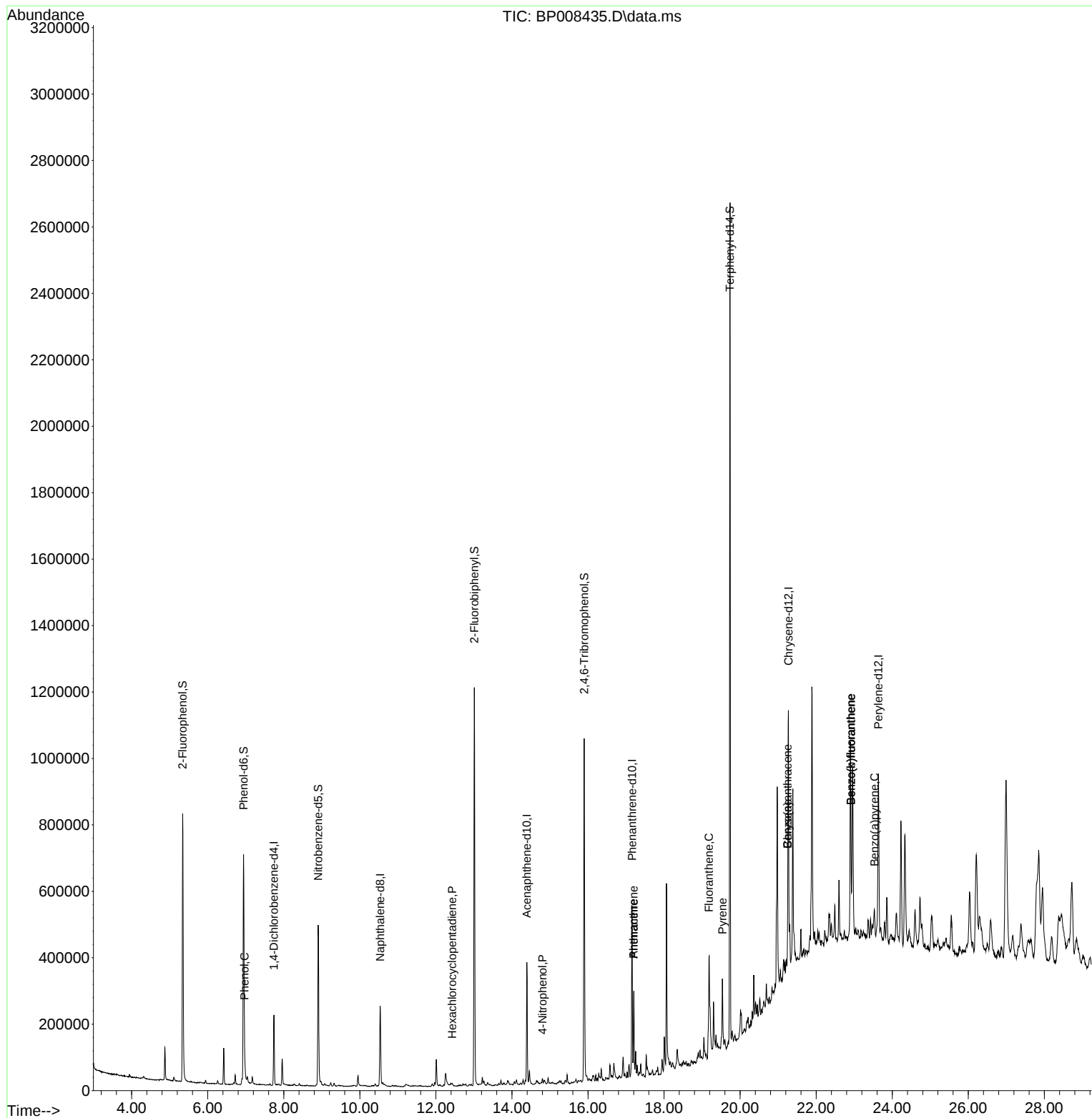
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	53156	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	194175	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	128417	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	289095	20.000	ng	0.00
76) Chrysene-d12	21.269	240	338326	20.000	ng	0.00
86) Perylene-d12	23.633	264	376691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	345248	102.571	ng	0.00
7) Phenol-d6	6.940	99	429979	95.114	ng	0.00
23) Nitrobenzene-d5	8.905	82	300749	65.617	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	205488	108.886	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	607832	60.169	ng	0.00
79) Terphenyl-d14	19.733	244	1167621	60.064	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	212	Below Cal	#	1
9) Benzaldehyde	6.905	77	7738	Below Cal		98
10) Phenol	6.969	94	13339	2.906	ng	# 65
41) Hexachlorocyclopentadiene	12.428	237	14	8.661	ng	82
56) 4-Nitrophenol	14.804	139	4941	4.451	ng	# 5
71) Phenanthrene	17.198	178	53062	3.388	ng	99
72) Anthracene	17.198	178	53062	3.434	ng	100
75) Fluoranthene	19.180	202	91320	5.165	ng	98
78) Pyrene	19.533	202	118937	4.914	ng	98
81) Benzo(a)anthracene	21.251	228	59477	2.623	ng	98
83) Chrysene	21.251	228	59477	2.746	ng	95
88) Benzo(b)fluoranthene	22.916	252	108787	4.801	ng	# 94
89) Benzo(k)fluoranthene	22.916	252	108787	4.761	ng	# 93
90) Benzo(a)pyrene	23.533	252	48724	2.477	ng	# 86

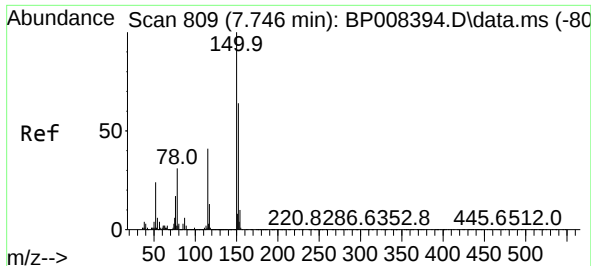
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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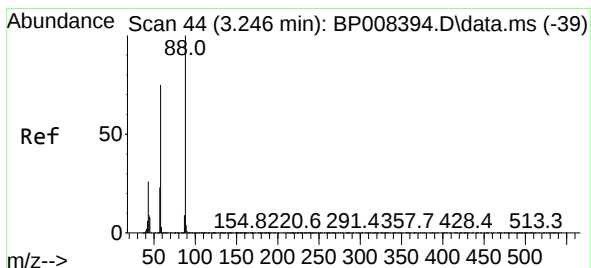
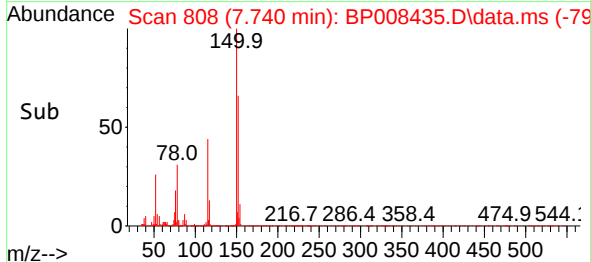
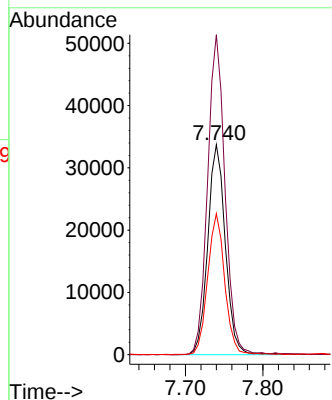
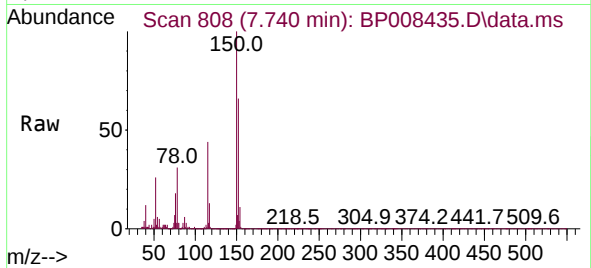




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.740 min Scan# 809
 Delta R.T. -0.006 min
 Lab File: BP008435.D
 Acq: 16 Dec 2021 03:24

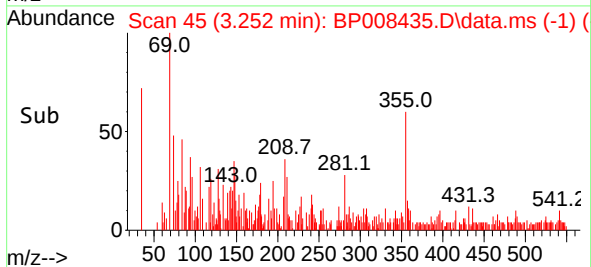
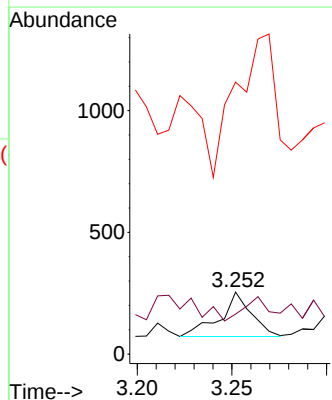
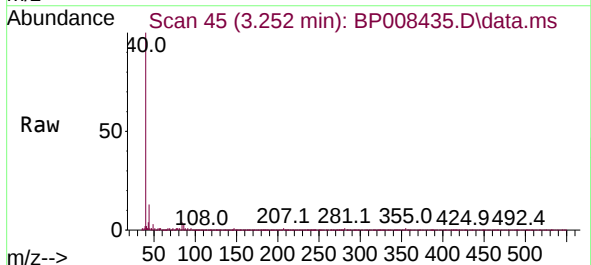
Instrument :
 BNA_P
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 SP2B

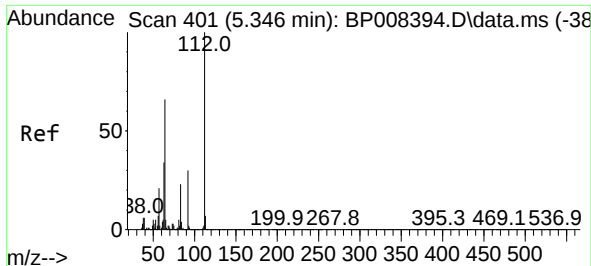
Tgt Ion:152 Resp: 53156
 Ion Ratio Lower Upper
 152 100
 150 152.3 125.7 188.5
 115 67.1 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.252 min Scan# 45
 Delta R.T. 0.006 min
 Lab File: BP008435.D
 Acq: 16 Dec 2021 03:24

Tgt Ion: 88 Resp: 212
 Ion Ratio Lower Upper
 88 100
 58 42.9 63.5 95.3#
 43 409.9 23.4 35.2#

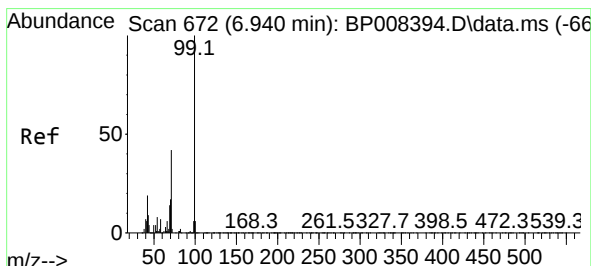
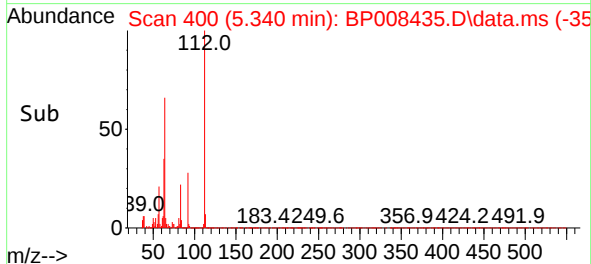
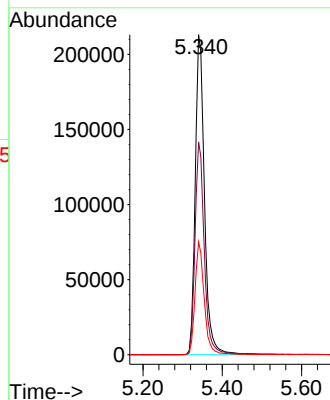
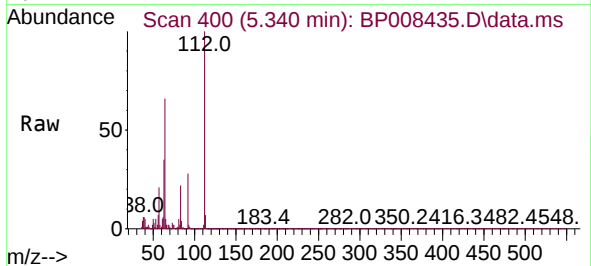




#5
2-Fluorophenol
Concen: 102.571 ng
RT: 5.340 min Scan# 401
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

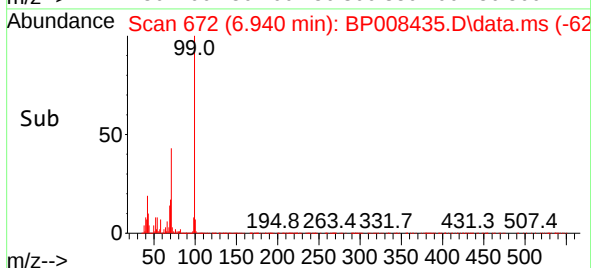
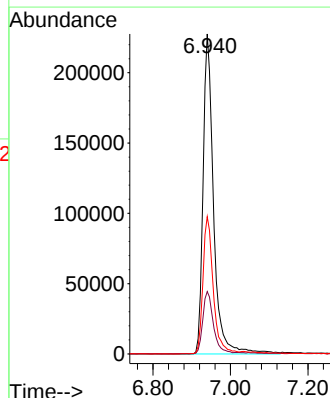
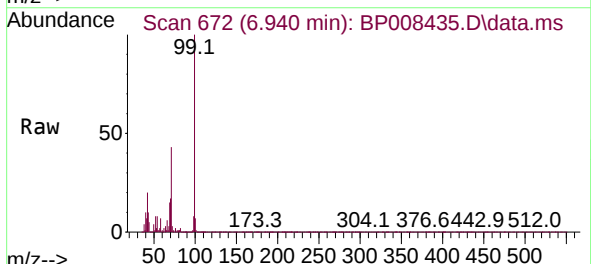
Instrument :
BNA_P
ClientSampleId :
SP2B

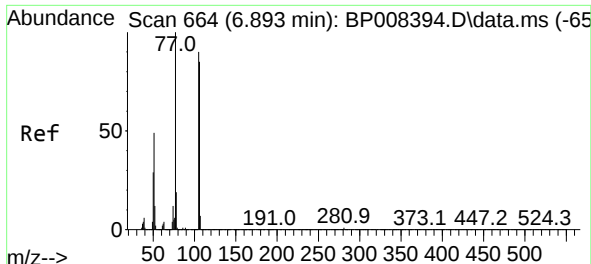
Tgt Ion:112 Resp: 345248
Ion Ratio Lower Upper
112 100
64 66.5 53.4 80.2
63 35.2 27.8 41.8



#7
Phenol-d6
Concen: 95.114 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion: 99 Resp: 429979
Ion Ratio Lower Upper
99 100
42 19.5 14.6 22.0
71 42.9 31.1 46.7

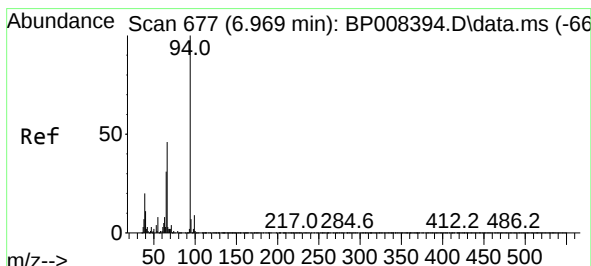
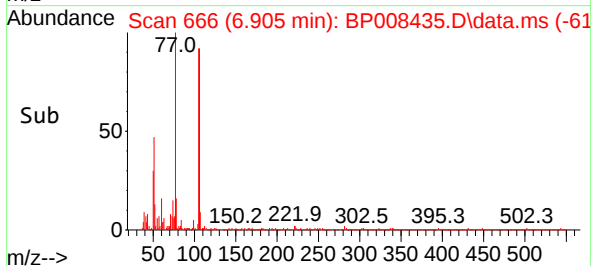
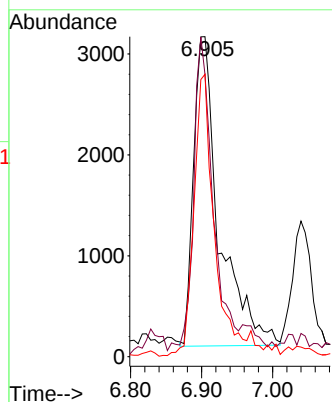
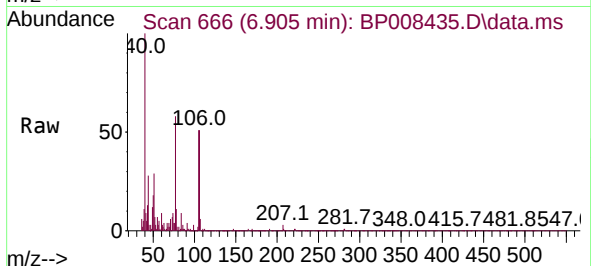




#9
Benzaldehyde
Concen: Below Cal
RT: 6.905 min Scan# 611
Delta R.T. 0.012 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

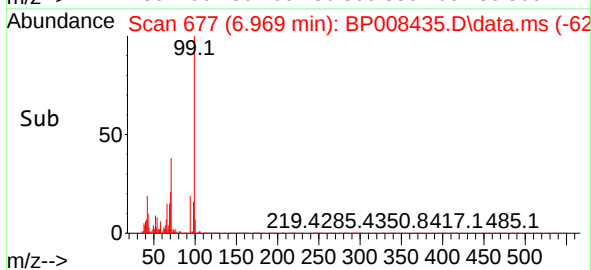
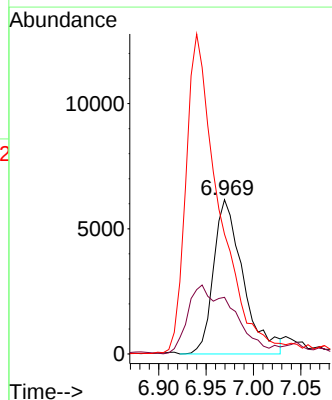
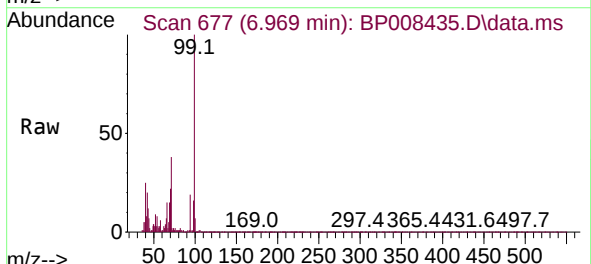
Instrument :
BNA_P
ClientSampleId :
SP2B

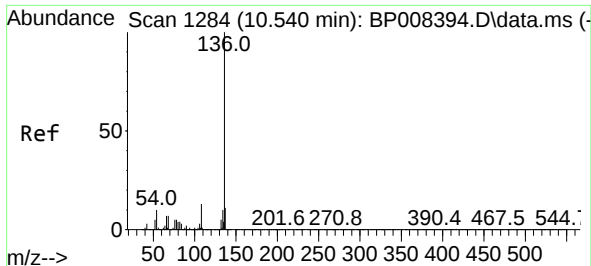
Tgt Ion: 77 Resp: 7738
Ion Ratio Lower Upper
77 100
105 88.1 71.8 111.8
106 88.2 67.3 107.3



#10
Phenol
Concen: 2.906 ng
RT: 6.969 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion: 94 Resp: 13339
Ion Ratio Lower Upper
94 100
65 36.7 10.9 50.9
66 77.6 24.3 64.3#

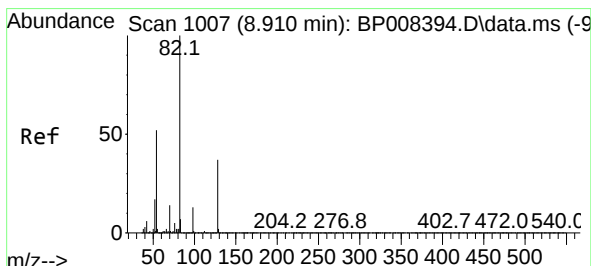
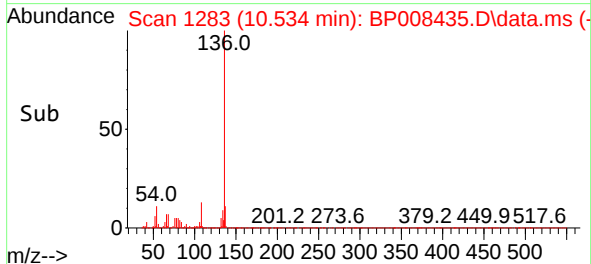
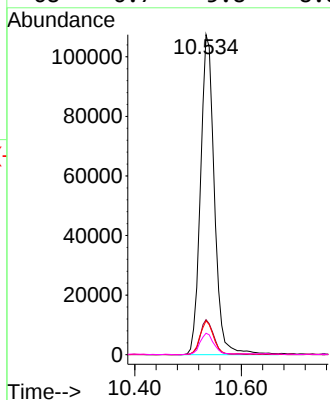
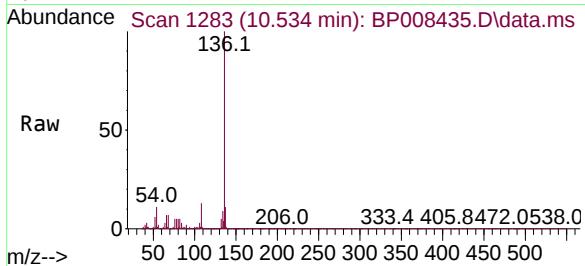




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

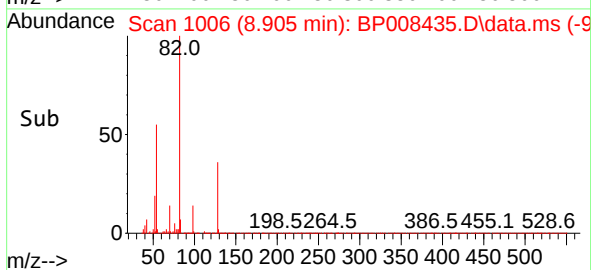
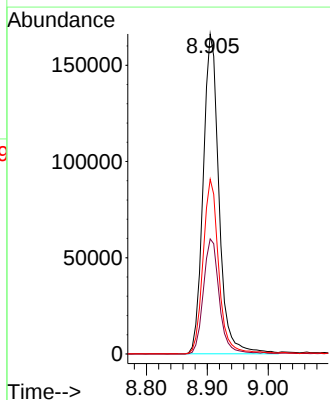
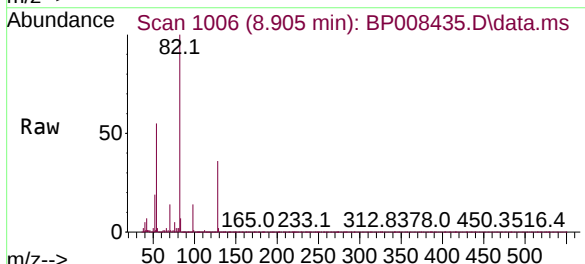
Instrument :
BNA_P
ClientSampleId :
SP2B

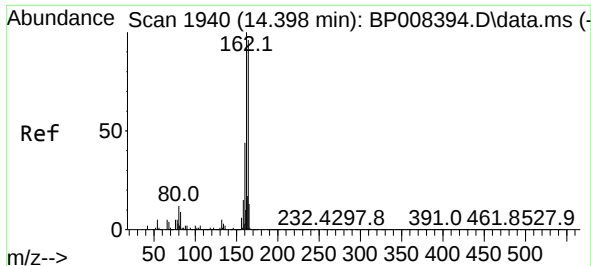
Tgt Ion:	136	Resp:	194175
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	10.6	8.2	12.4
68	6.7	5.8	8.8



#23
Nitrobenzene-d5
Concen: 65.617 ng
RT: 8.905 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:	82	Resp:	300749
Ion Ratio	Lower	Upper	
82	100		
128	35.9	29.6	44.4
54	54.6	42.7	64.1

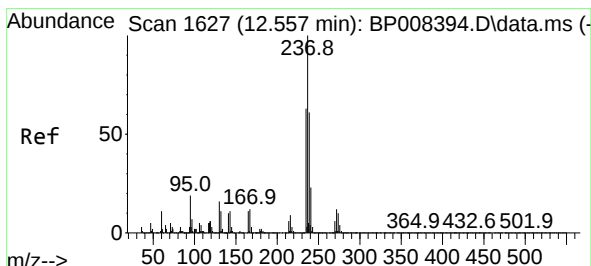
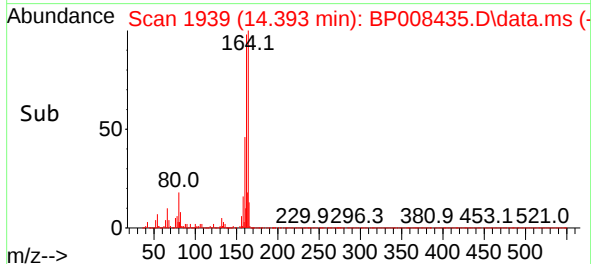
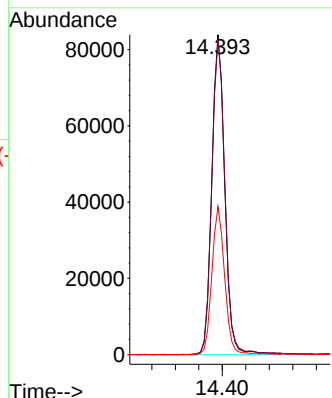
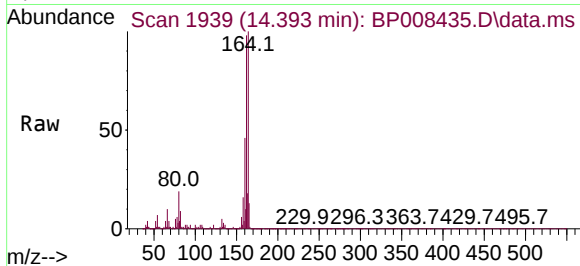




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

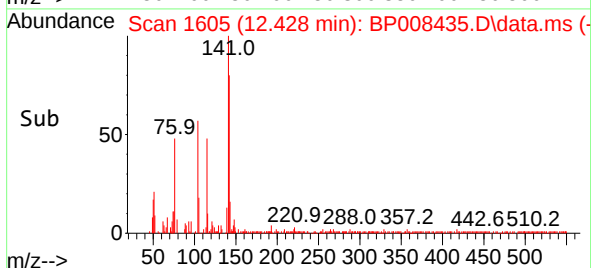
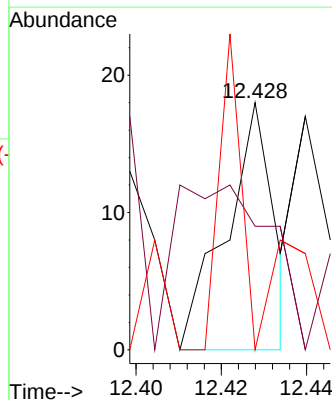
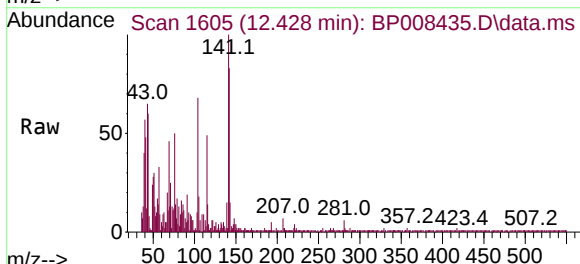
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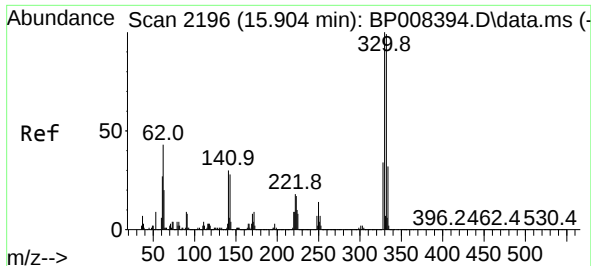
Tgt Ion:164 Resp: 128417
Ion Ratio Lower Upper
164 100
162 98.3 81.9 122.9
160 46.3 35.4 53.0



#41
Hexachlorocyclopentadiene
Concen: 8.661 ng
RT: 12.428 min Scan# 1605
Delta R.T. -0.129 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:237 Resp: 14
Ion Ratio Lower Upper
237 100
235 50.0 42.3 82.3
272 0.0 0.0 32.2

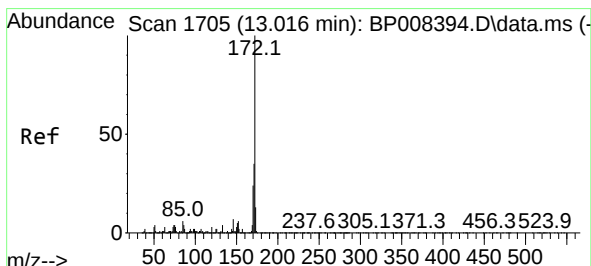
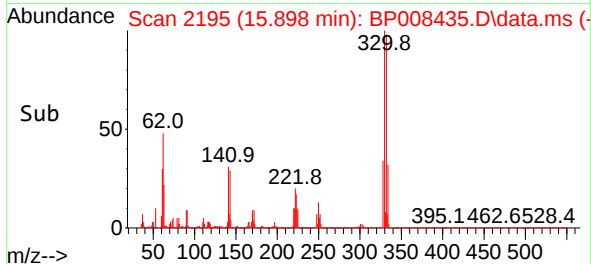
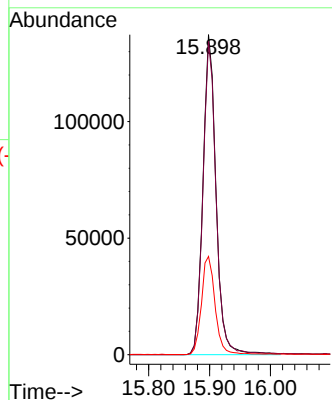
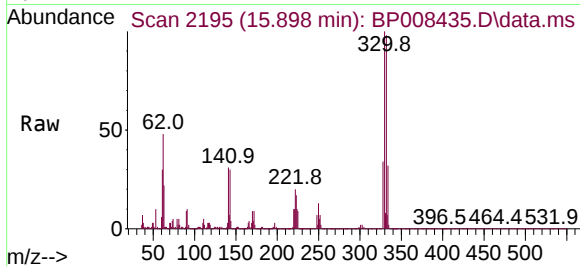




#42
2,4,6-Tribromophenol
Concen: 108.886 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

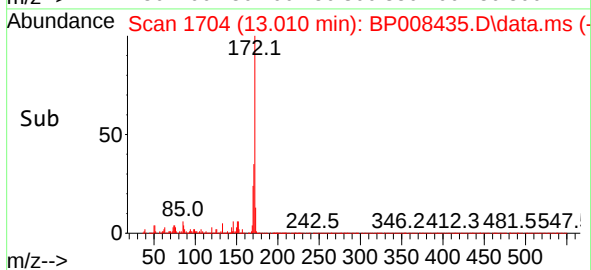
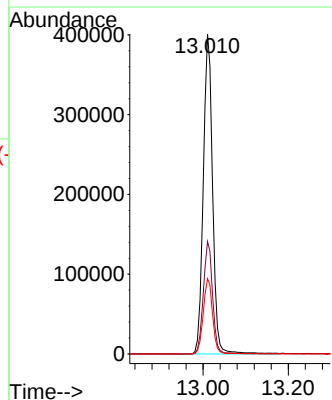
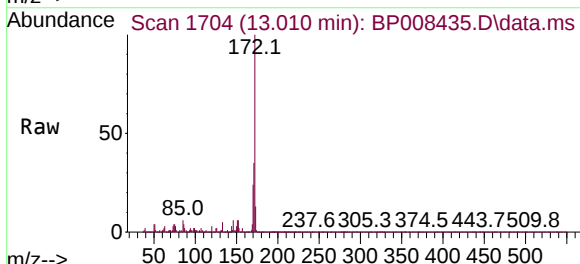
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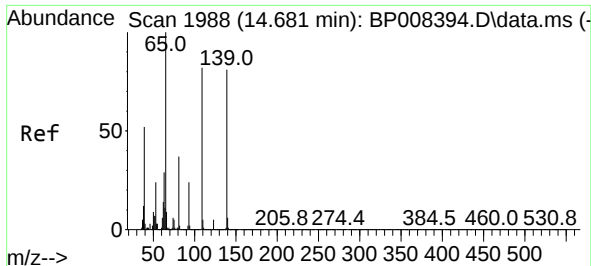
Tgt Ion:330 Resp: 205488
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.4
141 32.0 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 60.169 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:172 Resp: 607832
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.6 18.9 28.3

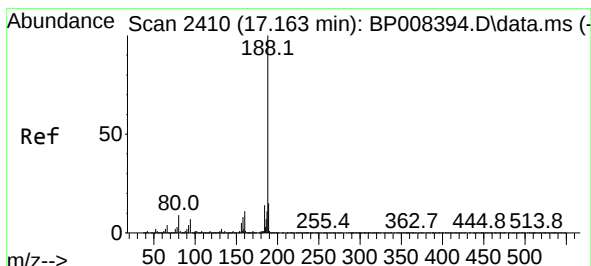
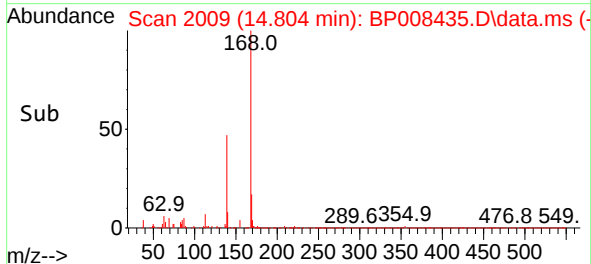
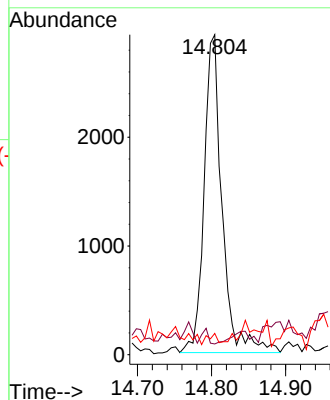
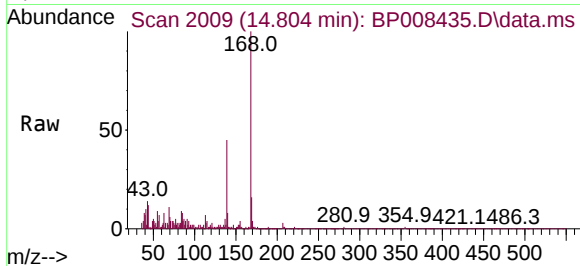




#56
4-Nitrophenol
Concen: 4.451 ng
RT: 14.804 min Scan# 20
Delta R.T. 0.124 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

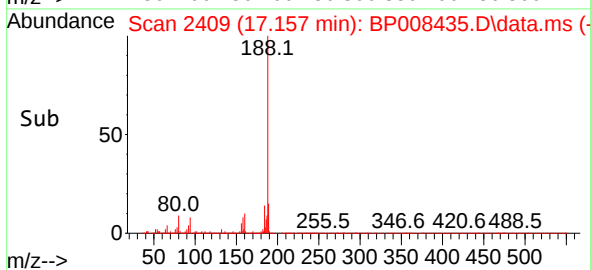
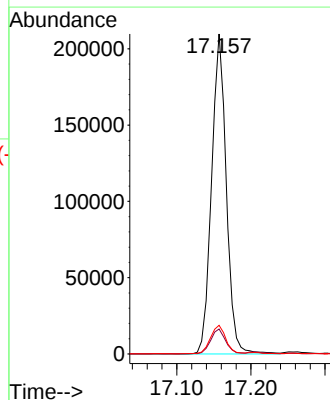
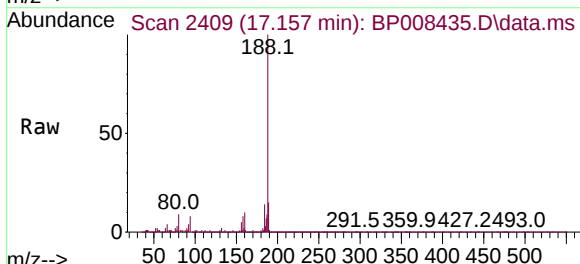
Instrument :
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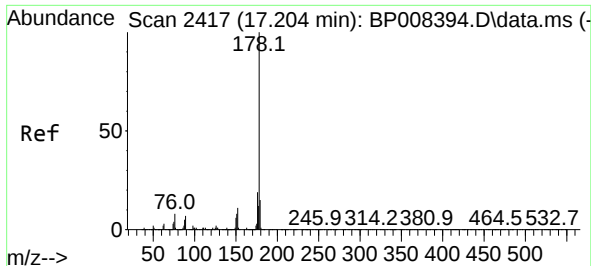
Tgt Ion:139 Resp: 4941
Ion Ratio Lower Upper
139 100
109 3.4 65.9 105.9#
65 6.7 91.9 131.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:188 Resp: 289095
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.9 8.2 12.4

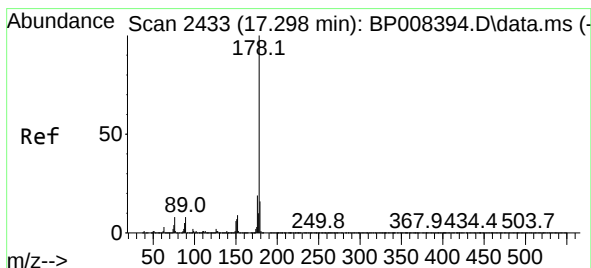
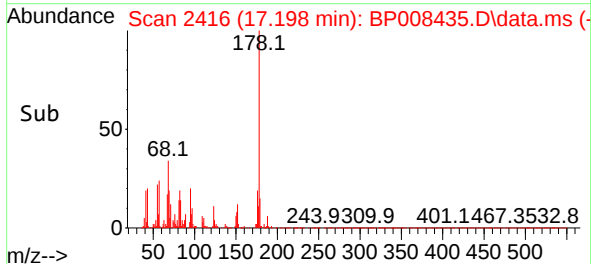
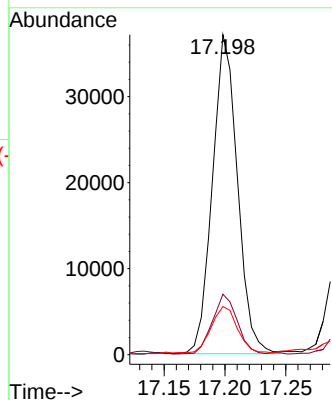
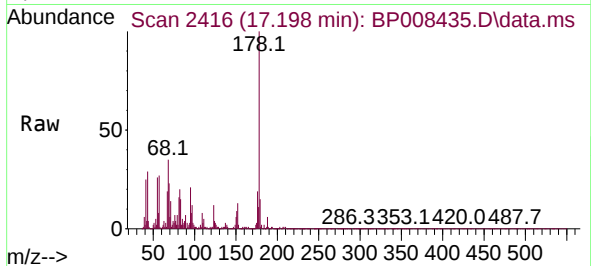




#71
Phenanthrene
Concen: 3.388 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

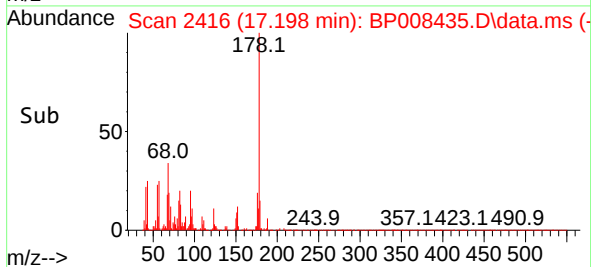
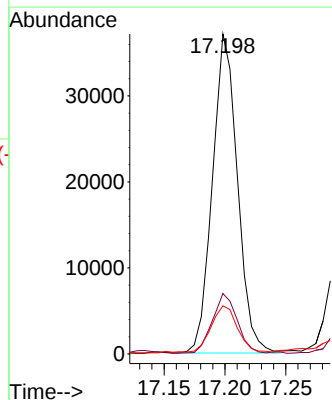
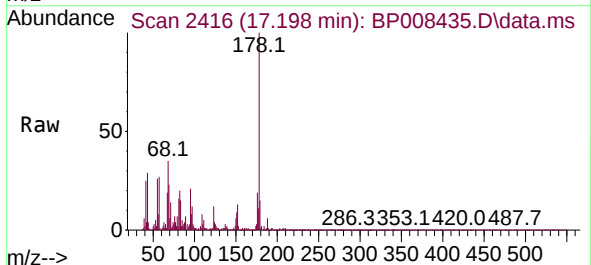
Instrument :
BNA_P
ClientSampleId :
SP2B

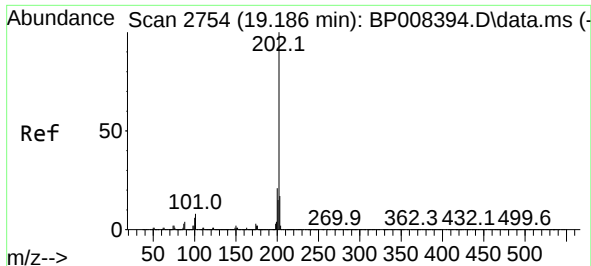
Tgt Ion:178 Resp: 53062
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.0 12.5 18.7



#72
Anthracene
Concen: 3.434 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.100 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:178 Resp: 53062
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.0 12.3 18.5

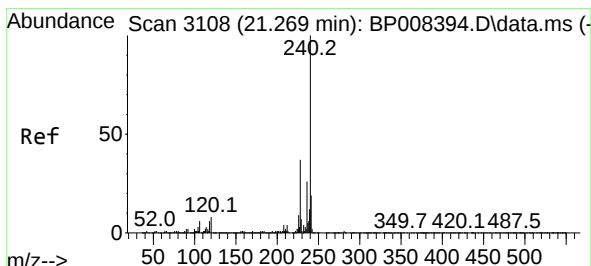
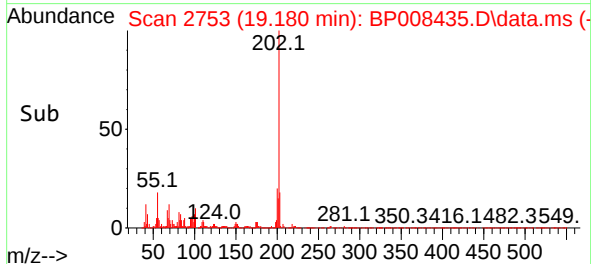
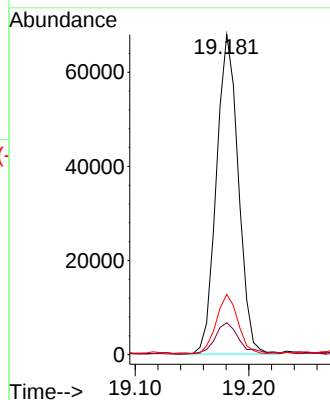
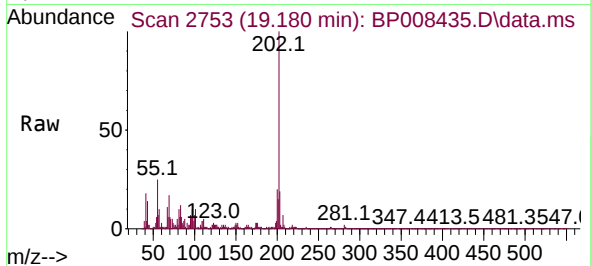




#75
Fluoranthene
Concen: 5.165 ng
RT: 19.180 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

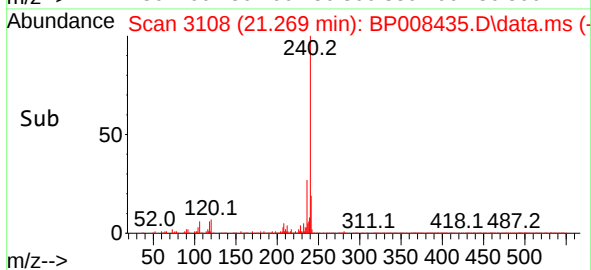
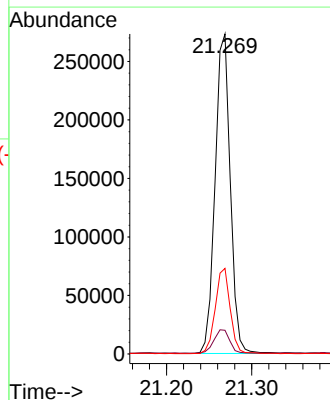
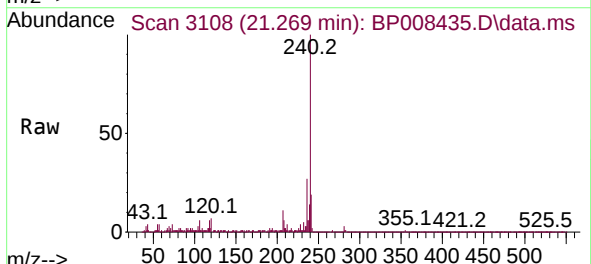
Instrument :
BNA_P
ClientSampleId :
SP2B

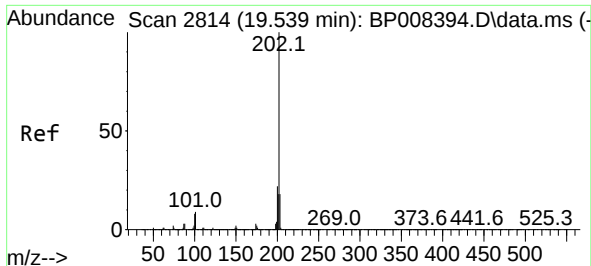
Tgt Ion:	202	Resp:	91320
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	29.8
203	18.8	0.0	37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:	240	Resp:	338326
Ion Ratio	Lower	Upper	
240	100		
120	7.4	7.3	10.9
236	26.8	21.4	32.2

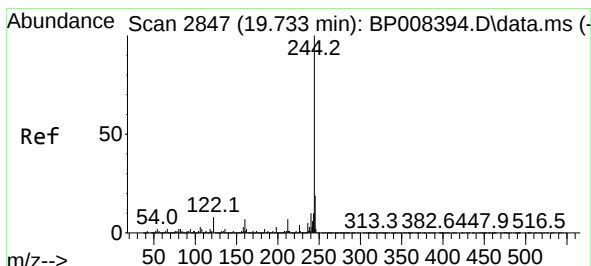
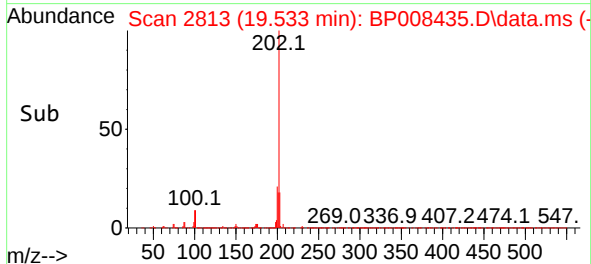
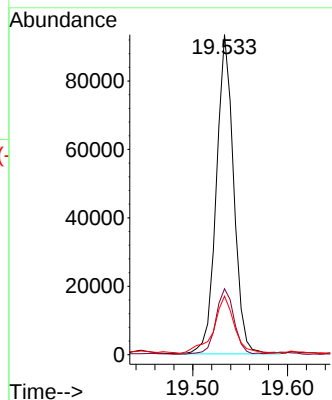
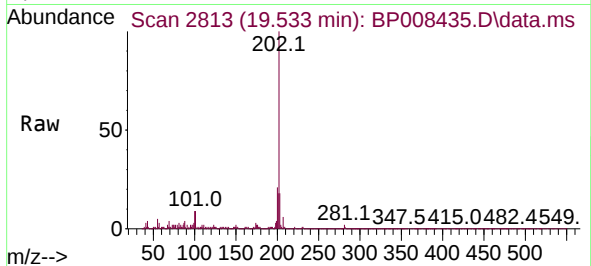




#78
Pyrene
Concen: 4.914 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

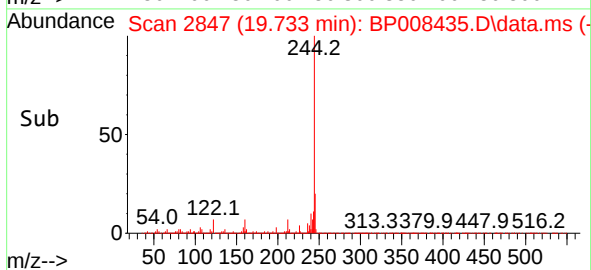
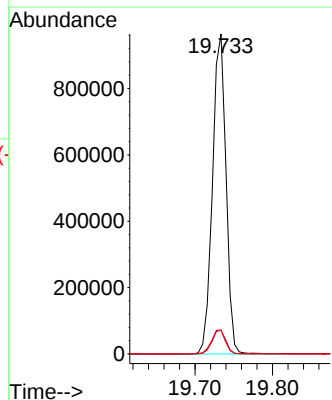
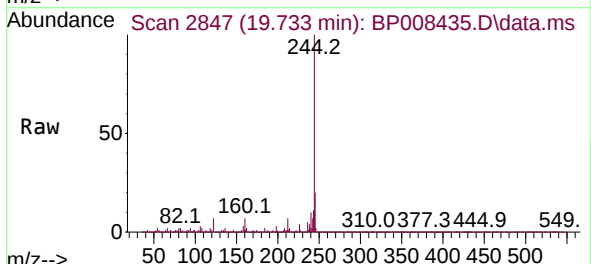
Instrument :
BNA_P
ClientSampleId :
SP2B

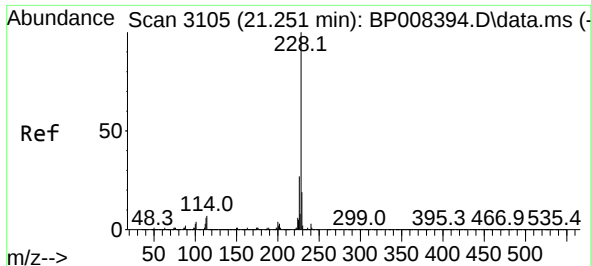
Tgt Ion:202 Resp: 118937
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 18.3 14.2 21.2



#79
Terphenyl-d14
Concen: 60.064 ng
RT: 19.733 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:244 Resp: 1167621
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 7.5 6.6 9.8

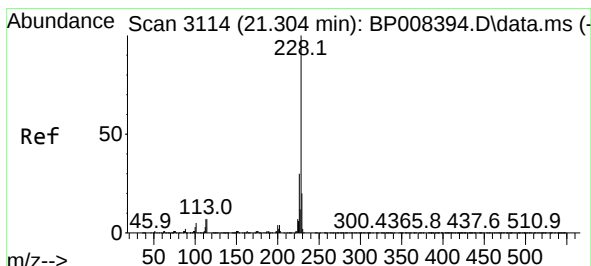
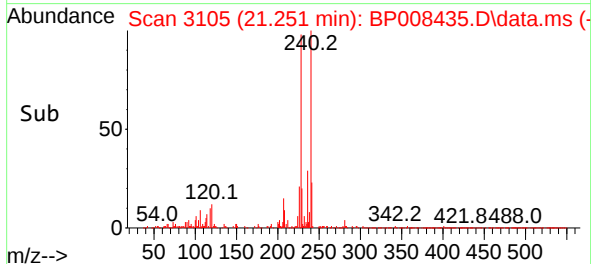
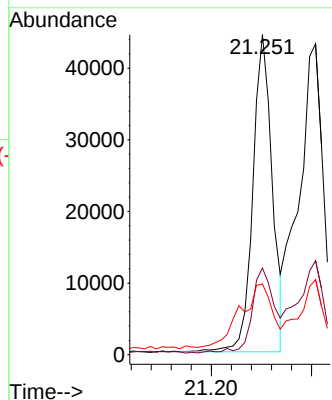
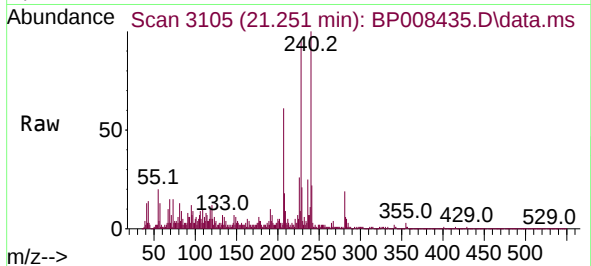




#81
Benzo(a)anthracene
Concen: 2.623 ng
RT: 21.251 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

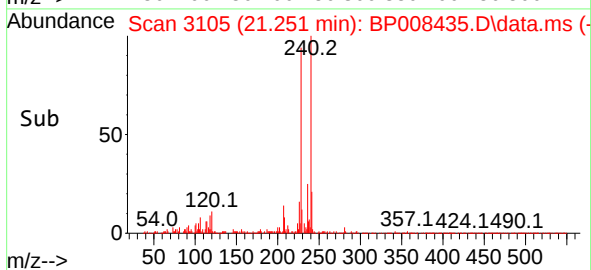
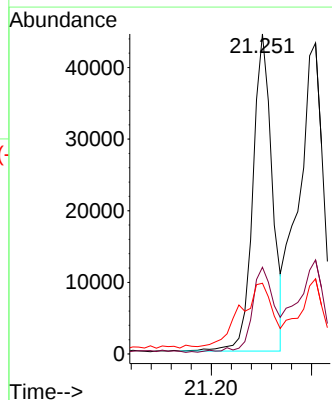
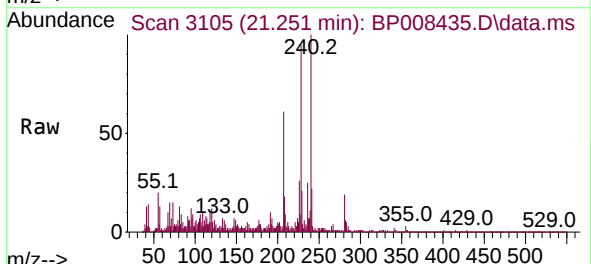
Instrument :
BNA_P
ClientSampleId :
SP2B

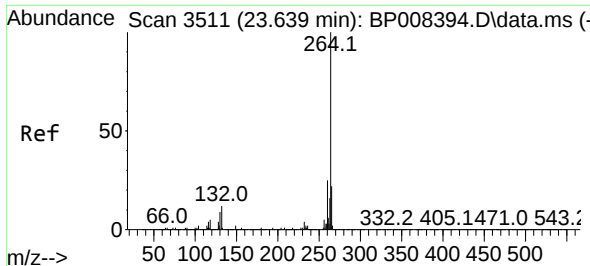
Tgt Ion:	228	Resp:	59477
Ion Ratio	Lower	Upper	
228	100		
226	27.1	21.9	32.9
229	22.1	15.9	23.9



#83
Chrysene
Concen: 2.746 ng
RT: 21.251 min Scan# 3105
Delta R.T. -0.053 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:	228	Resp:	59477
Ion Ratio	Lower	Upper	
228	100		
226	27.1	24.0	36.0
229	22.1	15.8	23.8

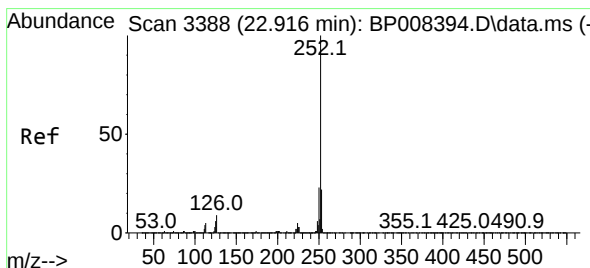
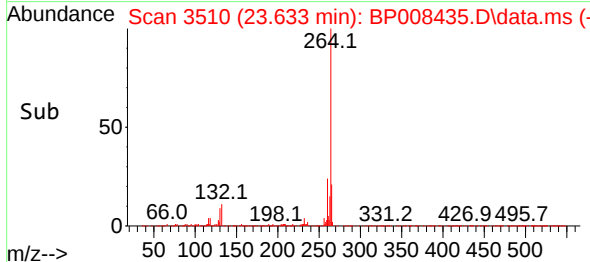
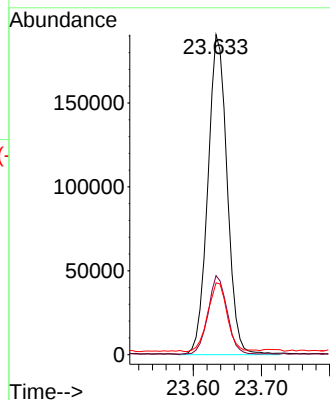
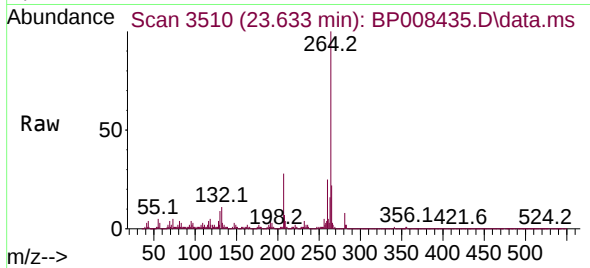




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.633 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

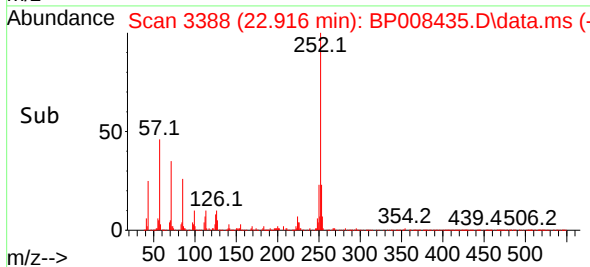
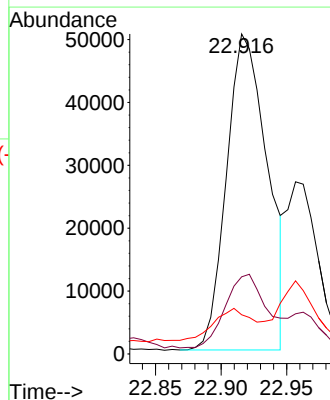
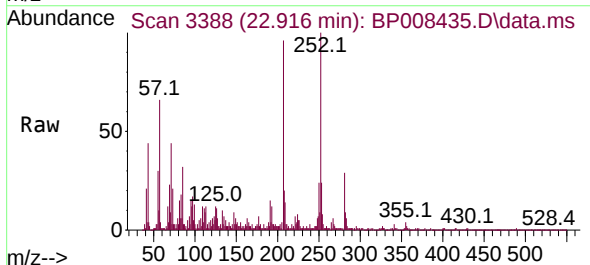
Instrument :
BNA_P
ClientSampleId :
SP2B

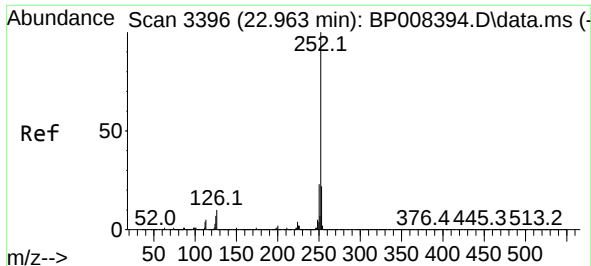
Tgt Ion:264 Resp: 376691
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.2
265 22.5 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 4.801 ng
RT: 22.916 min Scan# 3388
Delta R.T. 0.000 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:252 Resp: 108787
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 12.2 6.2 9.4#

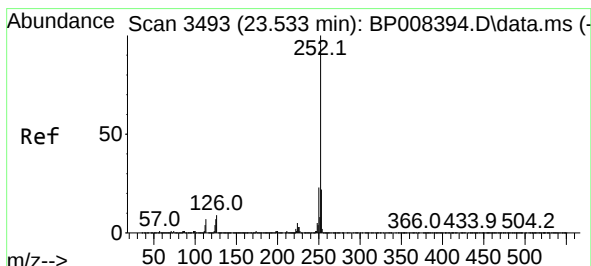
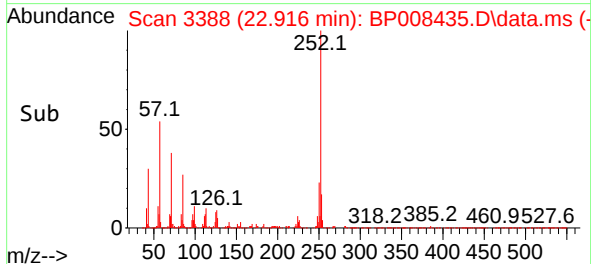
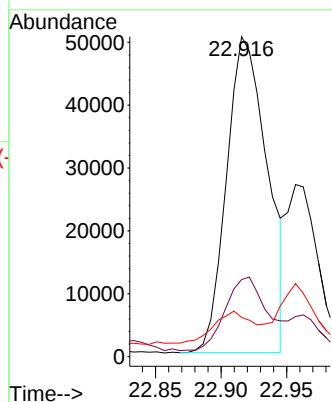
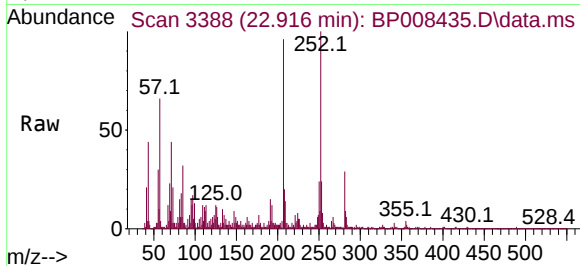




#89
Benzo(k)fluoranthene
Concen: 4.761 ng
RT: 22.916 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Instrument :
BNA_P
ClientSampleId :
SP2B

Tgt Ion:252 Resp: 108787
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 12.2 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 2.477 ng
RT: 23.533 min Scan# 3493
Delta R.T. 0.000 min
Lab File: BP008435.D
Acq: 16 Dec 2021 03:24

Tgt Ion:252 Resp: 48724
Ion Ratio Lower Upper
252 100
253 26.7 17.6 26.4#
125 17.3 7.4 11.0#

