

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013122\
 Data File : BP008973.D
 Acq On : 31 Jan 2022 19:43
 Operator : CG/JU
 Sample : N1303-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CC-6

Quant Time: Feb 01 04:21:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 01 04:16:03 2022
 Response via : Initial Calibration

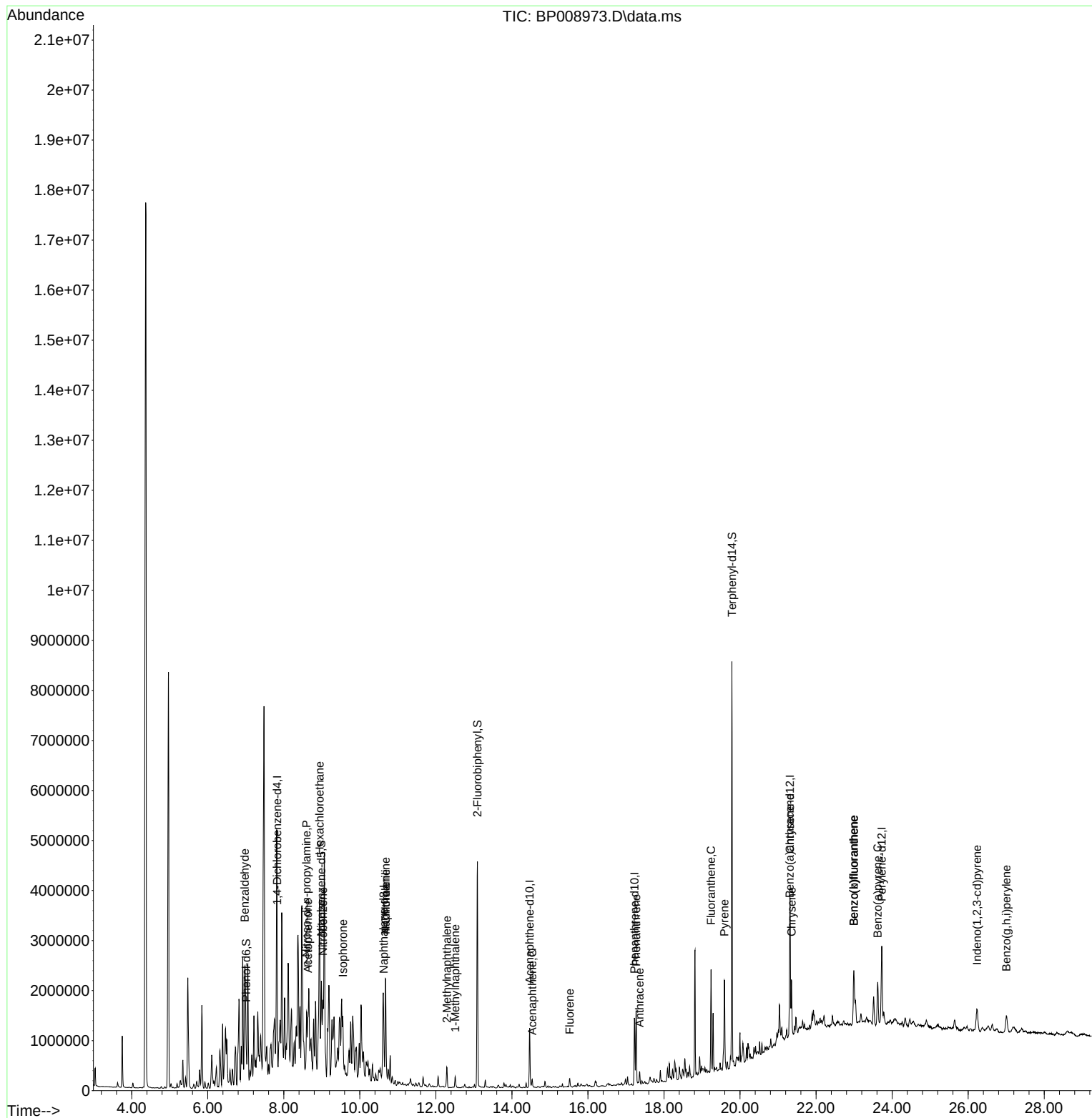
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	212950	20.000	ng	0.00
21) Naphthalene-d8	10.628	136	759669	20.000	ng	0.00
39) Acenaphthene-d10	14.469	164	441955	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	894496	20.000	ng	-0.01
76) Chrysene-d12	21.316	240	1096004	20.000	ng	-0.01
86) Perylene-d12	23.727	264	1256115	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	9997	0.726	ng	0.00
7) Phenol-d6	7.010	99	309619	18.568	ng	0.00
23) Nitrobenzene-d5	8.987	82	1058106	79.077	ng	-0.01
42) 2,4,6-Tribromophenol	15.975	330	476	0.074	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	2499058	74.569	ng	0.00
79) Terphenyl-d14	19.786	244	3812043	58.709	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.975	77	94511	8.480	ng	# 1
18) Hexachloroethane	8.940	117	237164	39.476	ng	# 1
19) n-Nitroso-di-n-propyla...	8.599	70	49599	5.088	ng	# 57
22) Acetophenone	8.634	105	574099	29.666	ng	# 63
24) Nitrobenzene	9.028	77	58113	4.300	ng	# 37
25) Isophorone	9.557	82	287075	11.872	ng	# 59
31) Naphthalene	10.681	128	1672387	40.532	ng	99
33) 4-Chloroaniline	10.681	127	216657	12.885	ng	# 34
37) 2-Methylnaphthalene	12.292	142	206609	6.850	ng	98
38) 1-Methylnaphthalene	12.510	142	114249	4.127	ng	99
52) Acenaphthene	14.534	154	57747	2.324	ng	98
58) Fluorene	15.522	166	86931	2.719	ng	100
71) Phenanthrene	17.269	178	1011419	20.083	ng	98
72) Anthracene	17.357	178	176433	3.492	ng	99
75) Fluoranthene	19.239	202	1224751	21.868	ng	96
78) Pyrene	19.592	202	1204500	15.750	ng	98
81) Benzo(a)anthracene	21.304	228	670871	9.098	ng	99
83) Chrysene	21.357	228	649323	9.084	ng	98
87) Indeno(1,2,3-cd)pyrene	26.233	276	471406	4.554	ng	95
88) Benzo(b)fluoranthene	22.992	252	1195369	14.250	ng	97
89) Benzo(k)fluoranthene	22.992	252	1195139	14.718	ng	97
90) Benzo(a)pyrene	23.621	252	617622	7.628	ng	98
92) Benzo(g,h,i)perylene	27.003	276	473273	5.507	ng	99

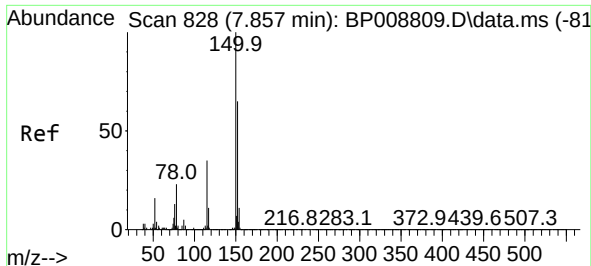
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

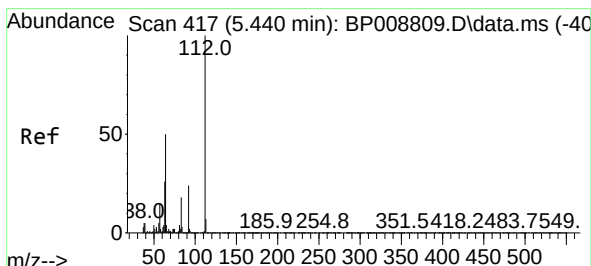
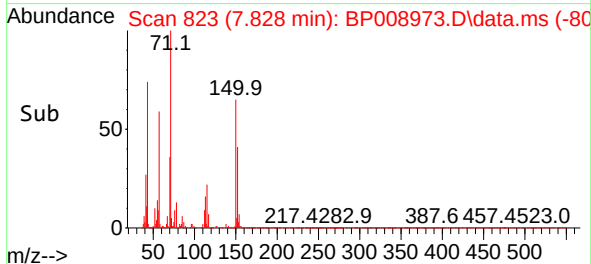
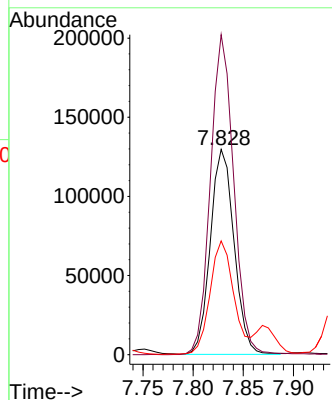
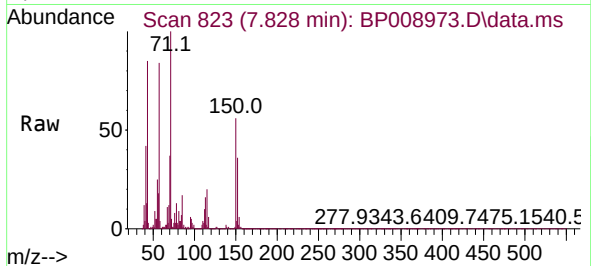




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

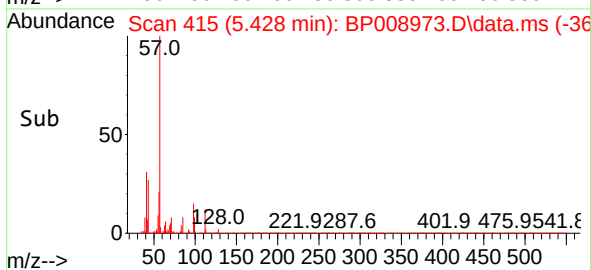
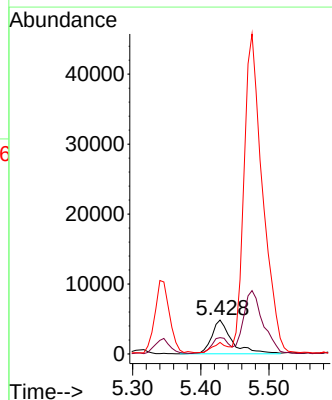
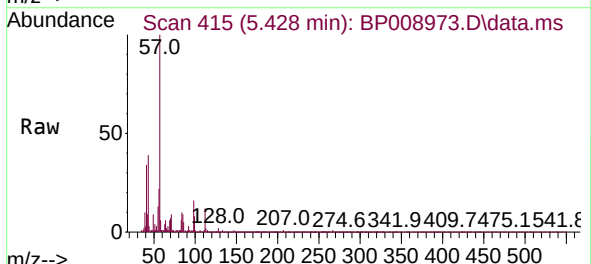
Instrument :
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CC-6

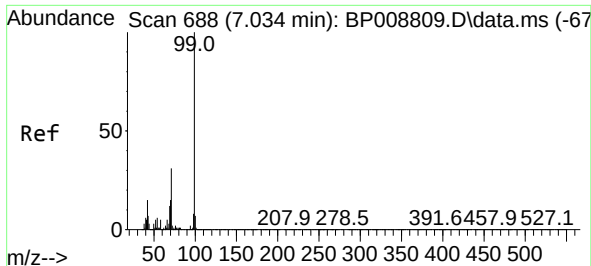
Tgt Ion:152 Resp: 212950
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.6
115 55.4 43.7 65.5



#5
2-Fluorophenol
Concen: 0.726 ng
RT: 5.428 min Scan# 415
Delta R.T. 0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:112 Resp: 9997
Ion Ratio Lower Upper
112 100
64 48.5 39.7 59.5
63 34.0 20.0 30.0#

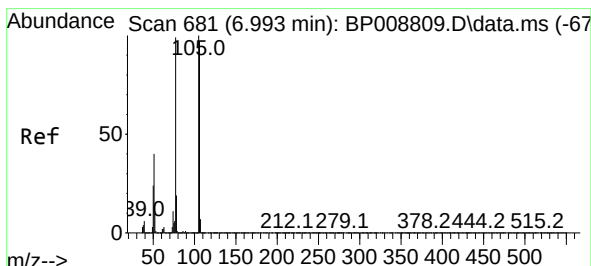
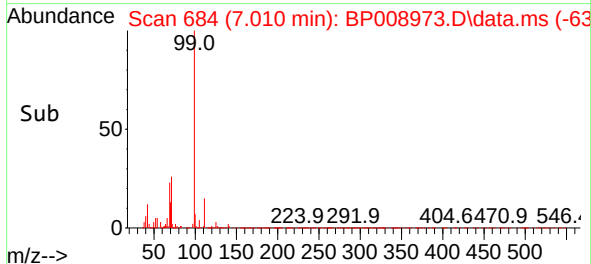
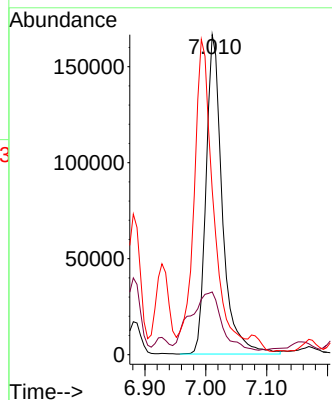
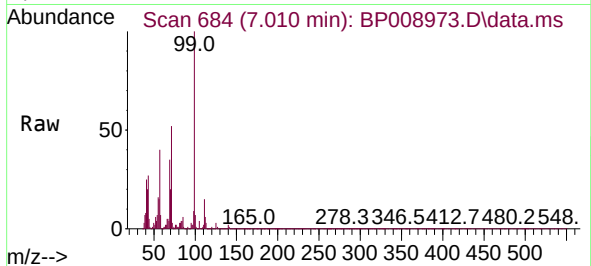




#7
Phenol-d6
Concen: 18.568 ng
RT: 7.010 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

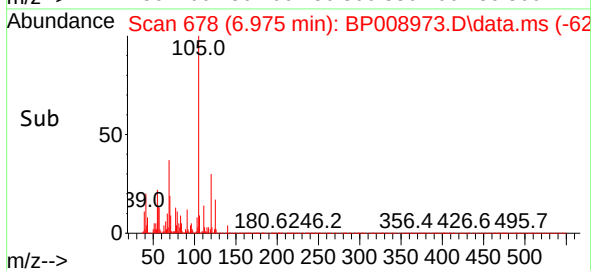
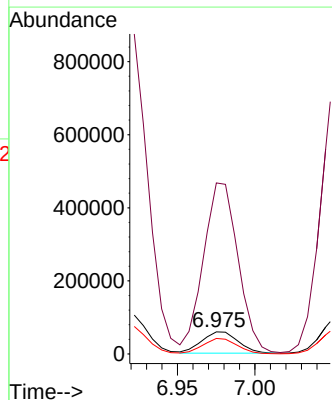
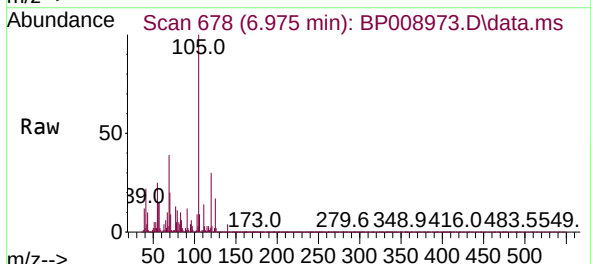
Instrument :
BNA_P
ClientSampleId :
CC-6

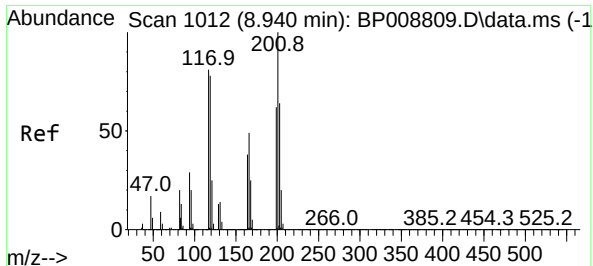
Tgt Ion: 99 Resp: 309619
Ion Ratio Lower Upper
99 100
42 19.6 10.8 16.2#
71 51.6 23.8 35.6#



#9
Benzaldehyde
Concen: 8.480 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion: 77 Resp: 94511
Ion Ratio Lower Upper
77 100
105 772.9 84.2 124.2#
106 70.2 80.6 120.6#

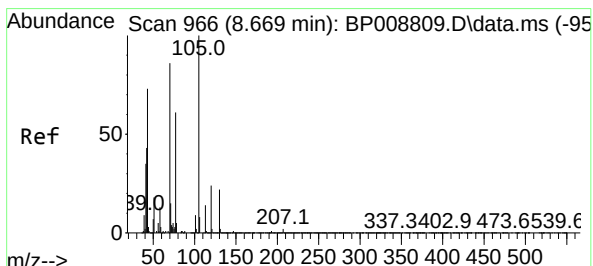
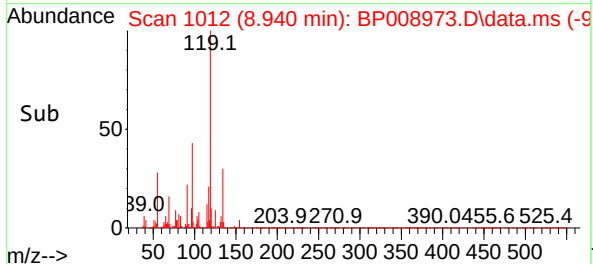
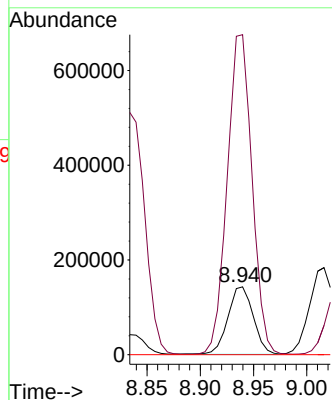
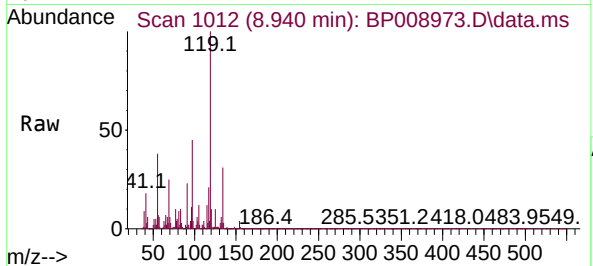




#18
Hexachloroethane
Concen: 39.476 ng
RT: 8.940 min Scan# 1012
Delta R.T. 0.029 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

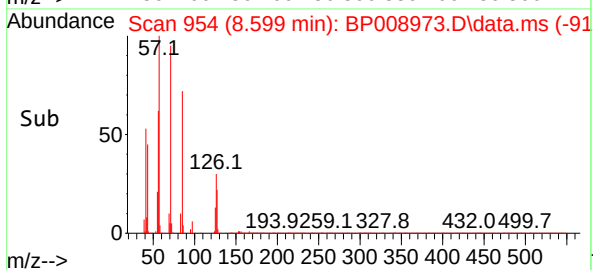
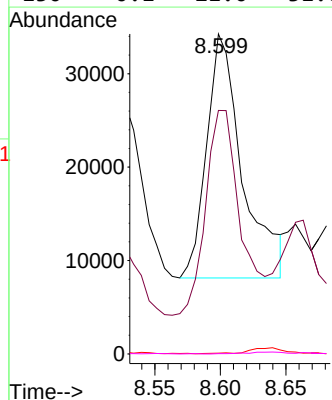
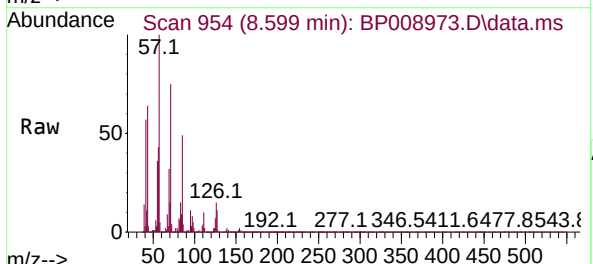
Instrument :
BNA_P
ClientSampleId :
CC-6

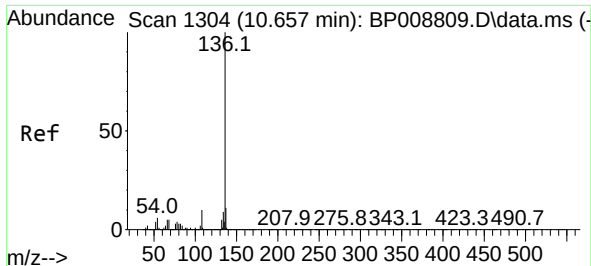
Tgt Ion:117 Resp: 237164
Ion Ratio Lower Upper
117 100
119 471.4 76.9 115.3#
201 0.0 93.7 140.5#



#19
n-Nitroso-di-n-propylamine
Concen: 5.088 ng
RT: 8.599 min Scan# 954
Delta R.T. -0.047 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion: 70 Resp: 49599
Ion Ratio Lower Upper
70 100
42 76.1 38.2 57.2#
101 0.3 8.7 13.1#
130 0.1 21.0 31.6#

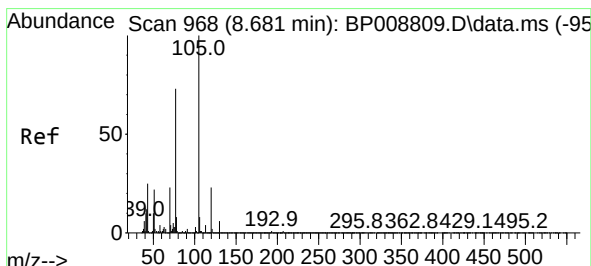
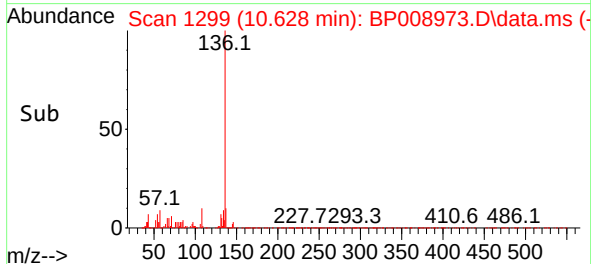
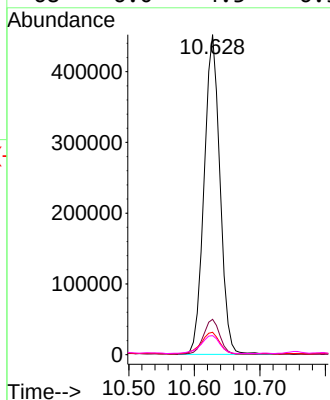
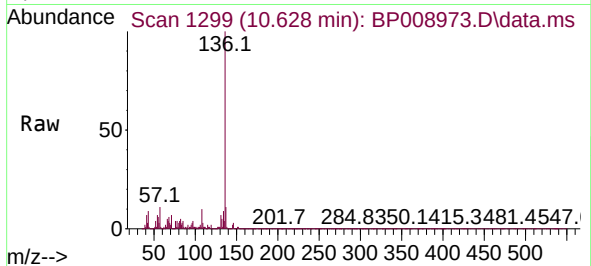




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

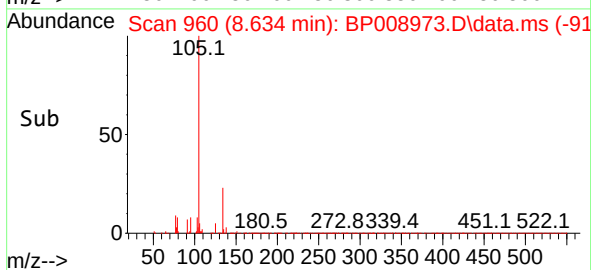
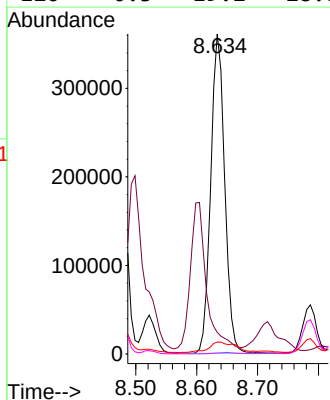
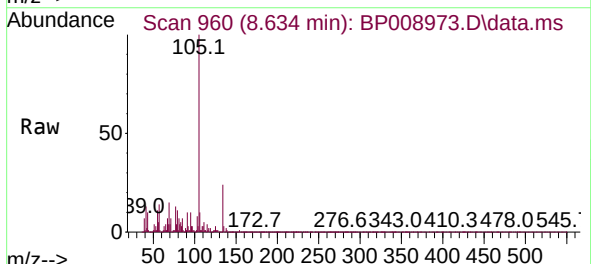
Instrument :
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ClientSampleId :
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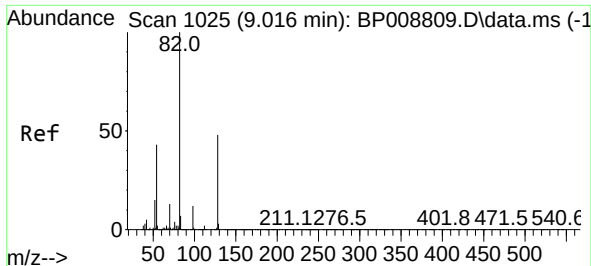
Tgt Ion:	136	Resp:	759669
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.0	4.9	7.3
68	6.0	4.3	6.5



#22
Acetophenone
Concen: 29.666 ng
RT: 8.634 min Scan# 960
Delta R.T. -0.029 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:	105	Resp:	574099
Ion Ratio	Lower	Upper	
105	100		
71	6.8	5.3	7.9
51	3.7	16.3	24.5#
120	0.3	19.2	28.8#

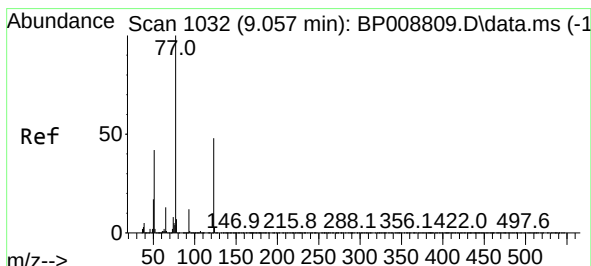
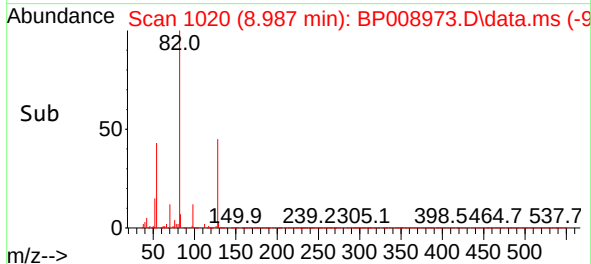
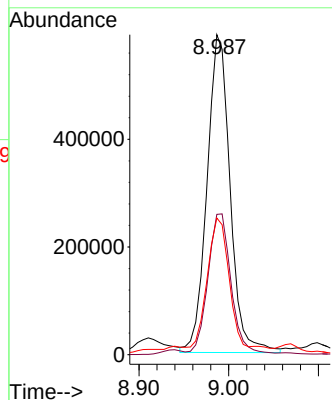
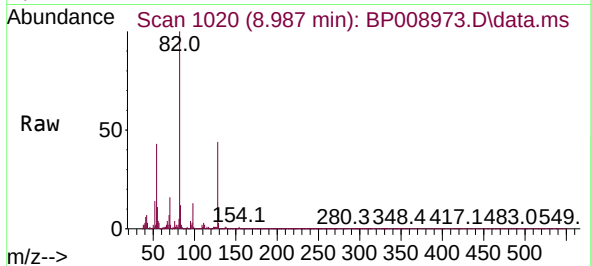




#23
Nitrobenzene-d5
Concen: 79.077 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

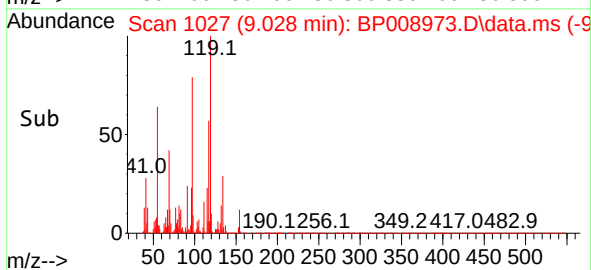
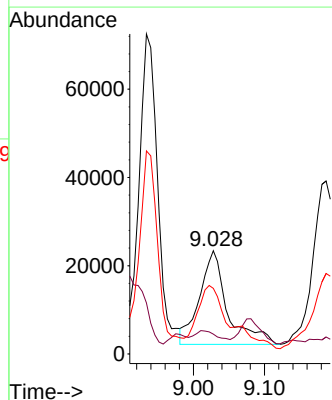
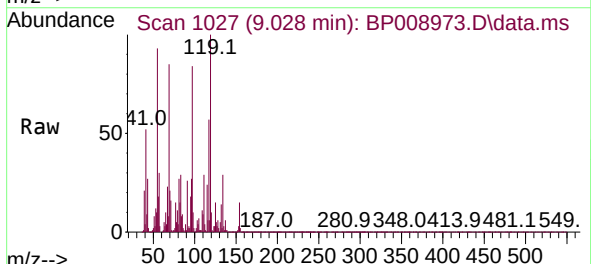
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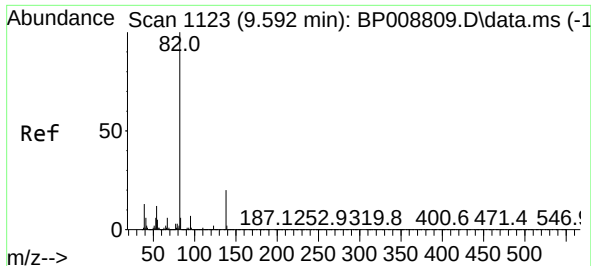
Tgt Ion: 82 Resp: 1058106
Ion Ratio Lower Upper
82 100
128 43.9 39.4 59.2
54 42.7 32.6 48.8



#24
Nitrobenzene
Concen: 4.300 ng
RT: 9.028 min Scan# 1027
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion: 77 Resp: 58113
Ion Ratio Lower Upper
77 100
123 19.2 41.4 62.2#
65 63.7 9.8 14.8#

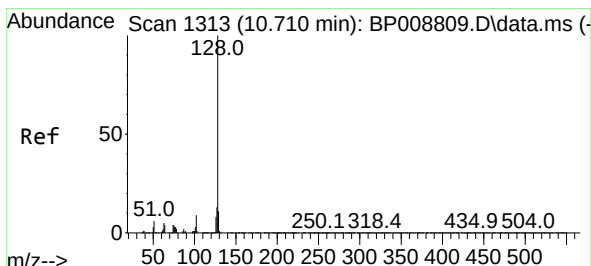
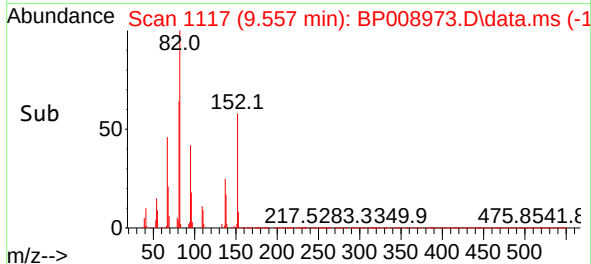
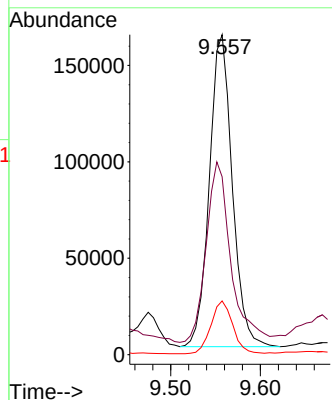
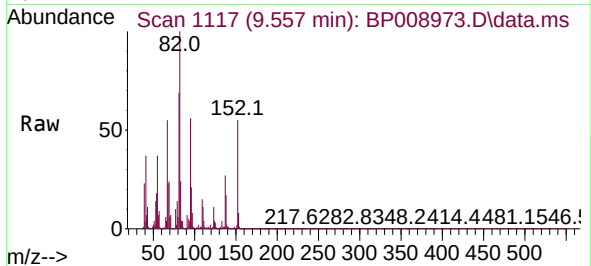




#25
Isophorone
Concen: 11.872 ng
RT: 9.557 min Scan# 1117
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

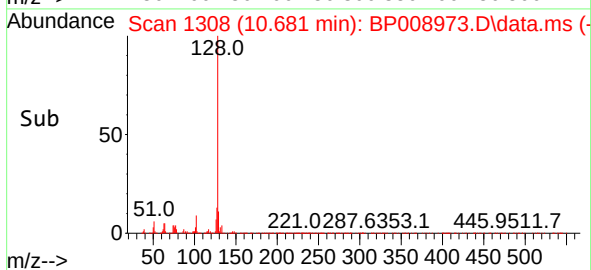
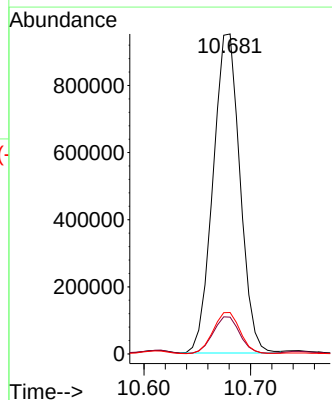
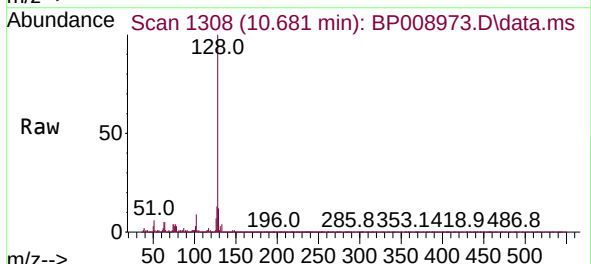
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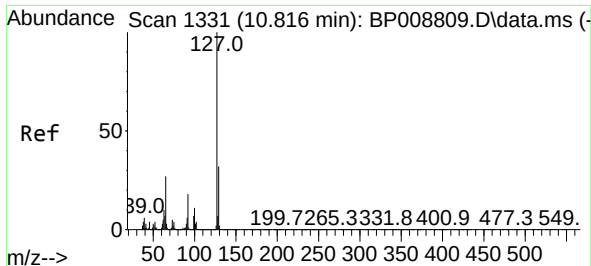
Tgt Ion: 82 Resp: 287075
Ion Ratio Lower Upper
82 100
95 55.6 5.4 8.2#
138 16.8 16.6 24.8



#31
Naphthalene
Concen: 40.532 ng
RT: 10.681 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion: 128 Resp: 1672387
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 12.9 10.4 15.6

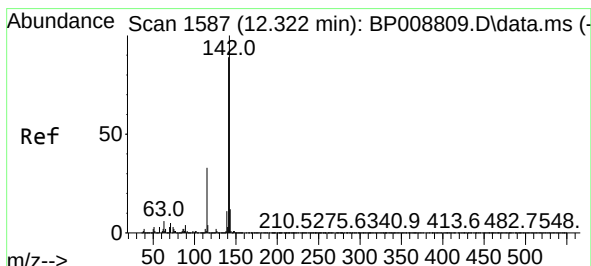
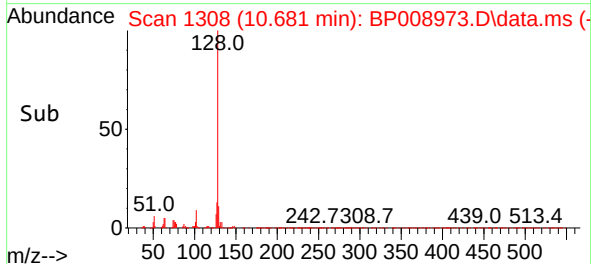
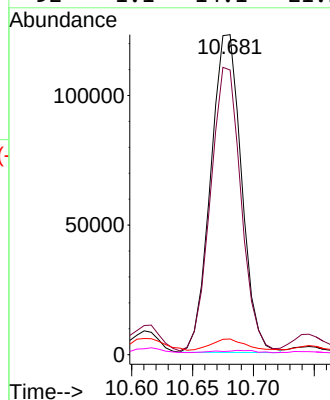
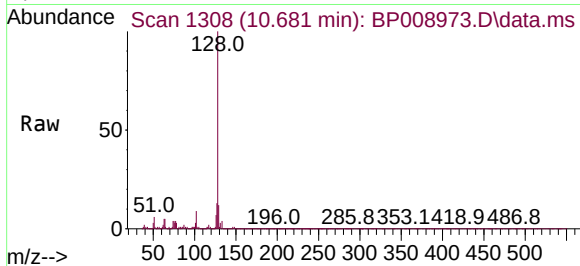




#33
4-Chloroaniline
Concen: 12.885 ng
RT: 10.681 min Scan# 11
Delta R.T. -0.118 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

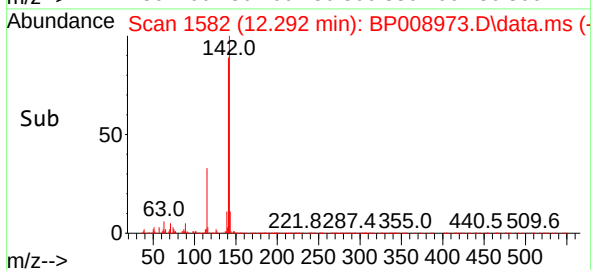
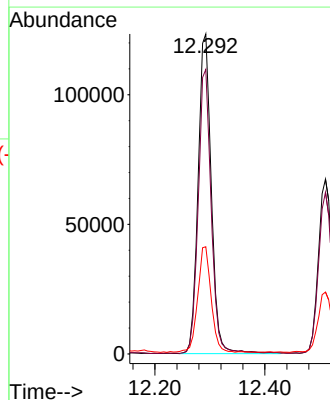
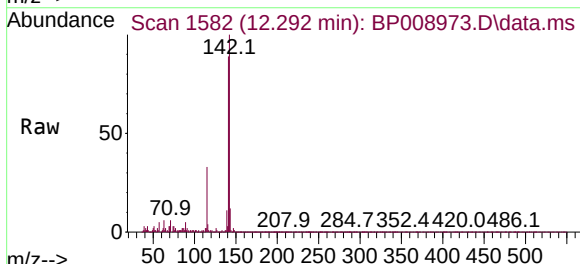
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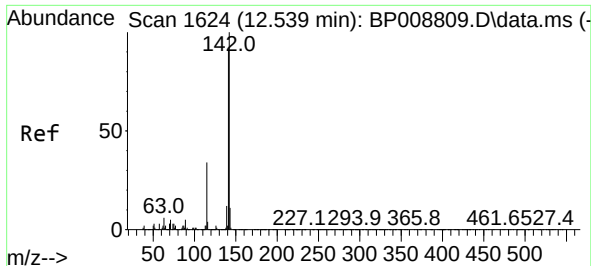
Tgt Ion:	127	Resp:	216657
Ion	Ratio	Lower	Upper
127	100		
129	89.0	26.0	39.0#
65	4.9	20.5	30.7#
92	1.1	14.1	21.1#



#37
2-Methylnaphthalene
Concen: 6.850 ng
RT: 12.292 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:	142	Resp:	206609
Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.5	105.7
115	33.5	24.6	36.8

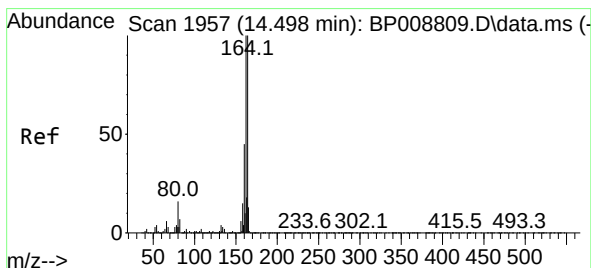
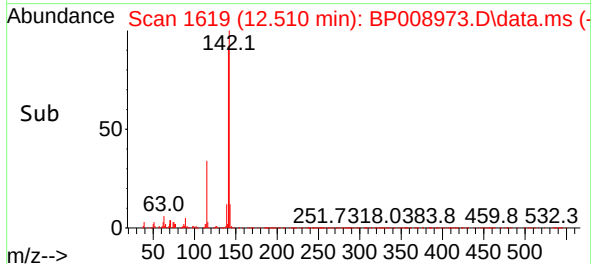
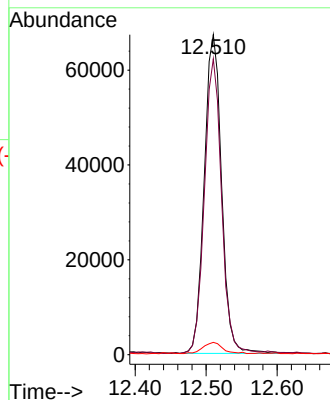
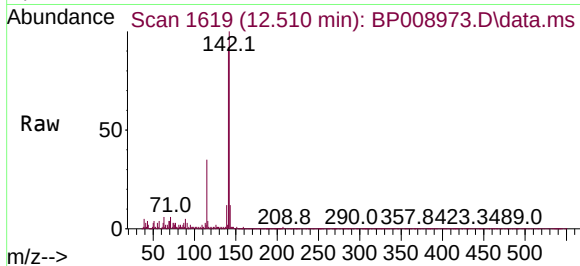




#38
1-Methylnaphthalene
Concen: 4.127 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

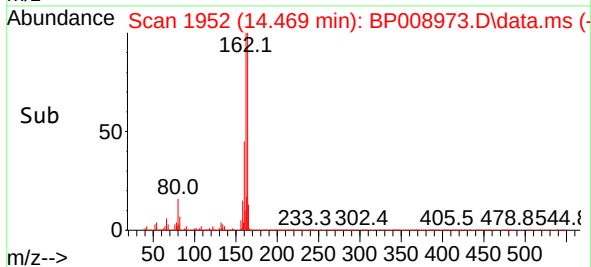
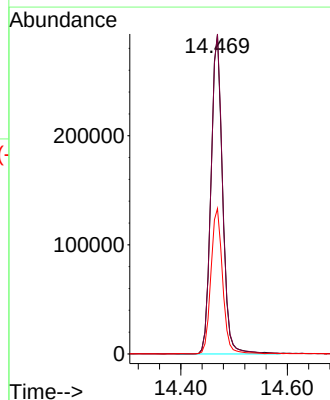
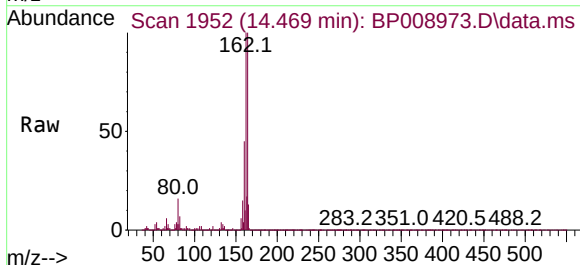
Instrument :
BNA_P
ClientSampleId :
CC-6

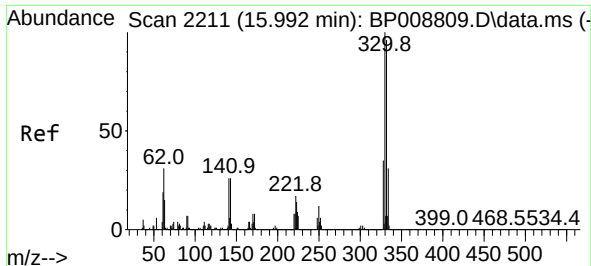
Tgt Ion:142 Resp: 114249
Ion Ratio Lower Upper
142 100
141 92.5 73.2 109.8
116 3.9 2.7 4.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:164 Resp: 441955
Ion Ratio Lower Upper
164 100
162 100.2 79.9 119.9
160 45.5 35.5 53.3

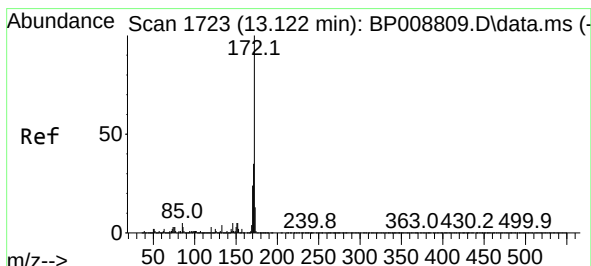
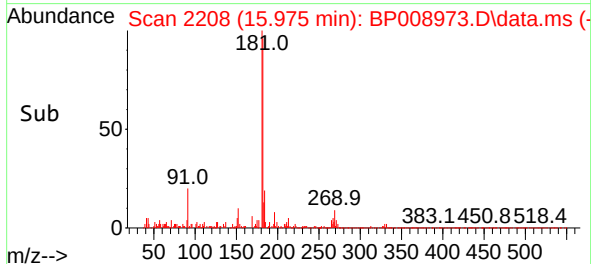
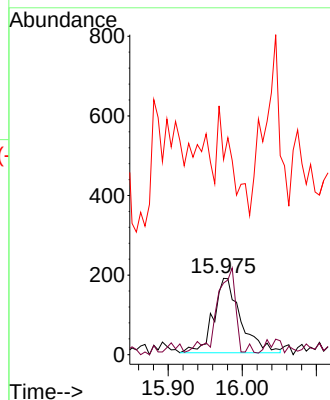
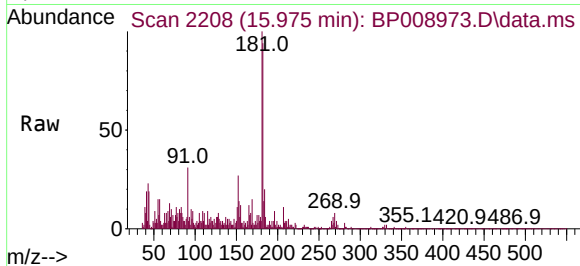




#42
2,4,6-Tribromophenol
Concen: 0.074 ng
RT: 15.975 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

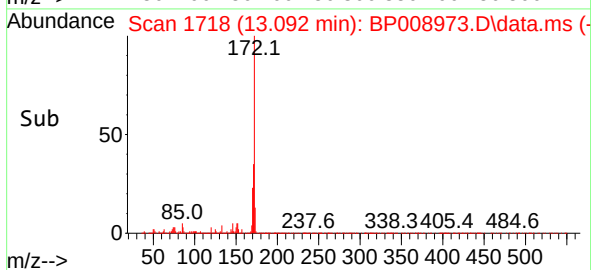
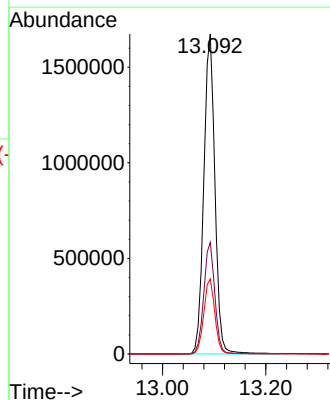
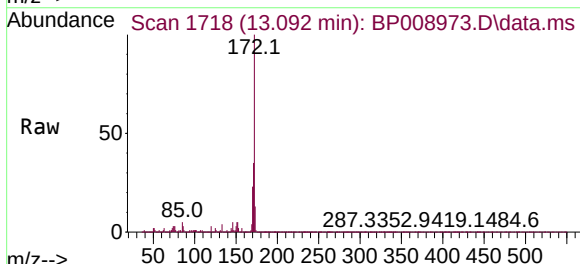
Instrument :
BNA_P
ClientSampleId :
CC-6

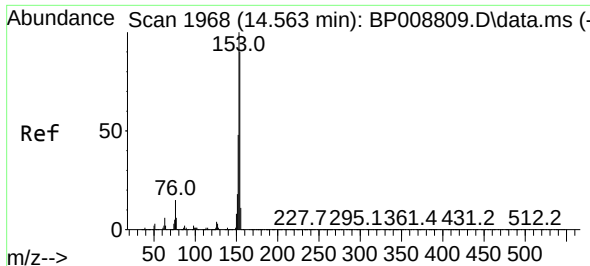
Tgt Ion: 330 Resp: 476
Ion Ratio Lower Upper
330 100
332 71.8 77.0 115.4#
141 71.0 21.3 31.9#



#45
2-Fluorobiphenyl
Concen: 74.569 ng
RT: 13.092 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion: 172 Resp: 2499058
Ion Ratio Lower Upper
172 100
171 34.9 29.3 43.9
170 23.5 19.5 29.3

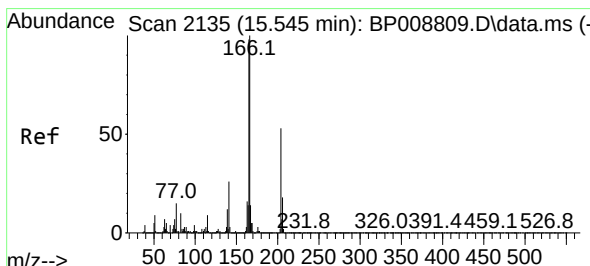
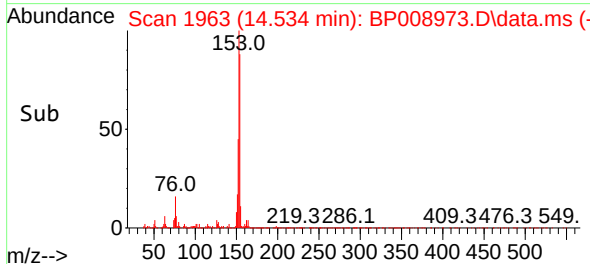
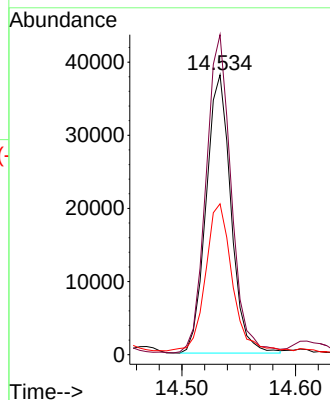
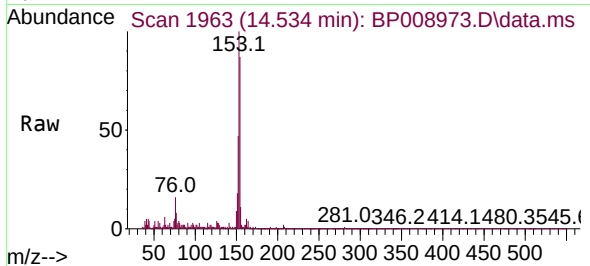




#52
Acenaphthene
Concen: 2.324 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

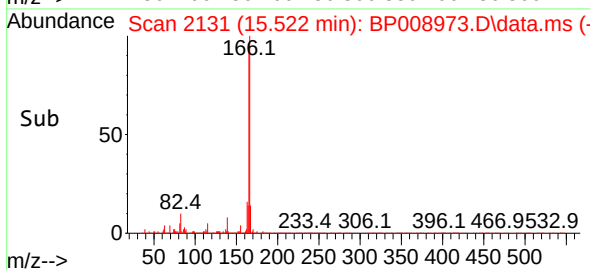
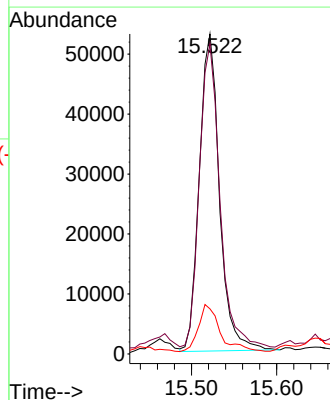
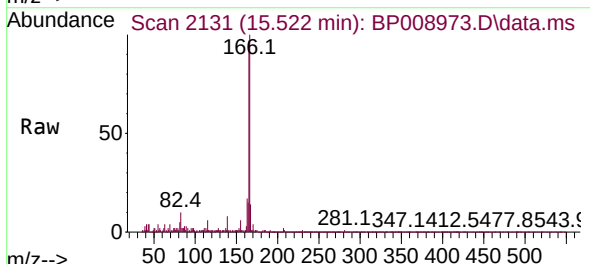
Instrument :
BNA_P
ClientSampleId :
CC-6

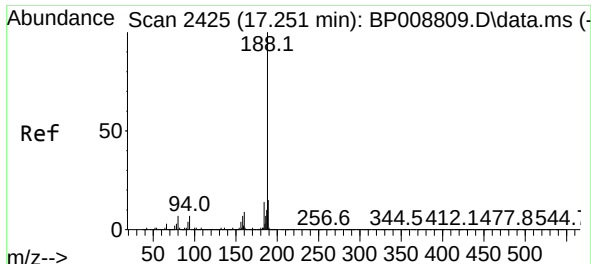
Tgt Ion:154 Resp: 57747
Ion Ratio Lower Upper
154 100
153 114.3 89.4 134.2
152 53.9 42.6 63.8



#58
Fluorene
Concen: 2.719 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:166 Resp: 86931
Ion Ratio Lower Upper
166 100
165 96.9 77.2 115.8
167 14.1 11.2 16.8

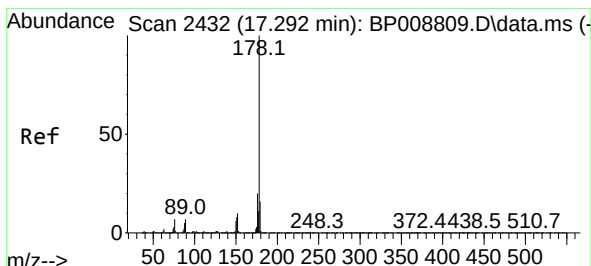
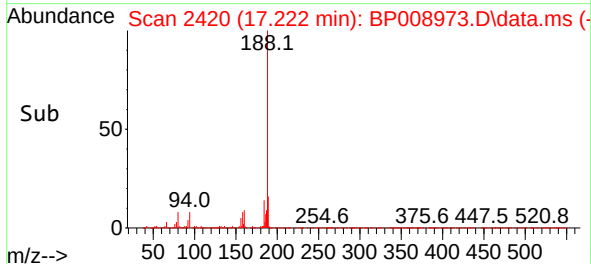
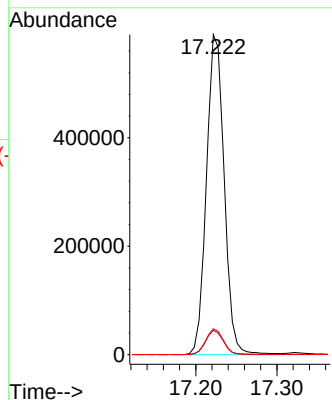
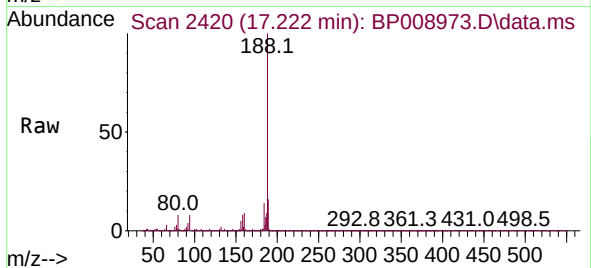




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

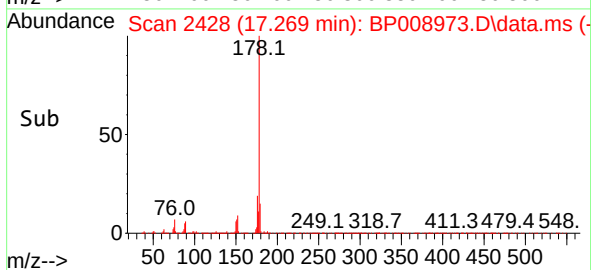
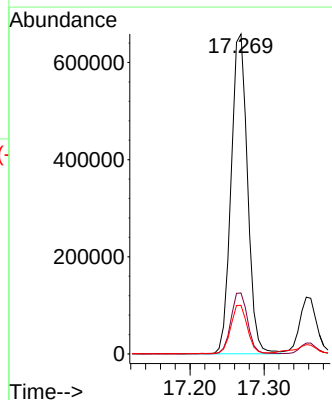
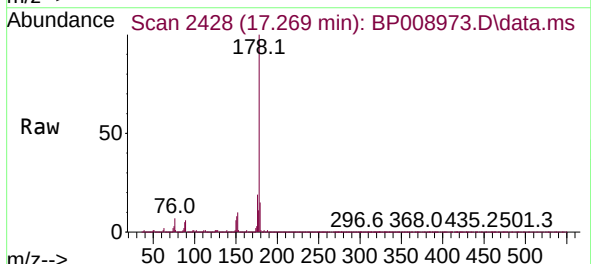
Instrument :
BNA_P
ClientSampleId :
CC-6

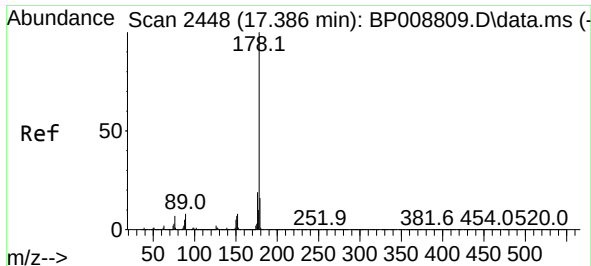
Tgt Ion:188 Resp: 894496
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.1 7.2 10.8



#71
Phenanthrene
Concen: 20.083 ng
RT: 17.269 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:178 Resp: 1011419
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.2 13.0 19.4

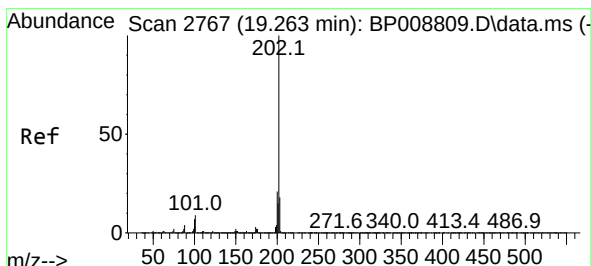
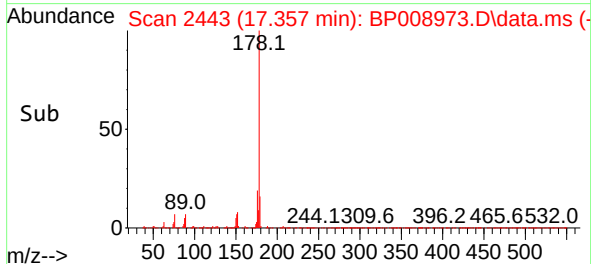
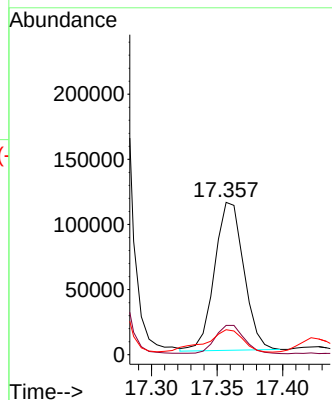
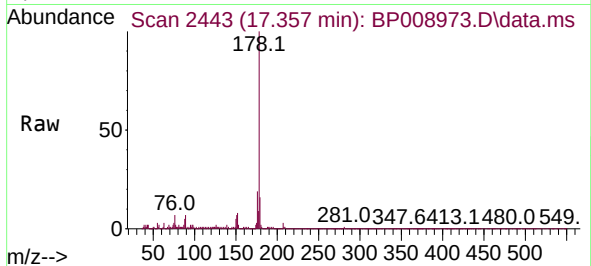




#72
 Anthracene
 Concen: 3.492 ng
 RT: 17.357 min Scan# 2448
 Delta R.T. -0.012 min
 Lab File: BP008973.D
 Acq: 31 Jan 2022 19:43

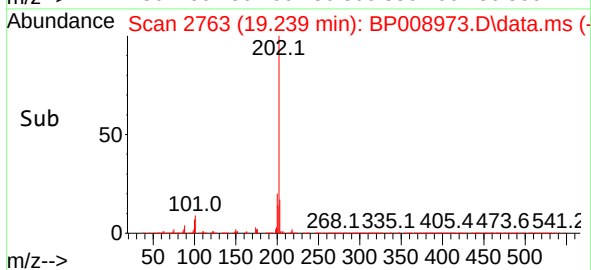
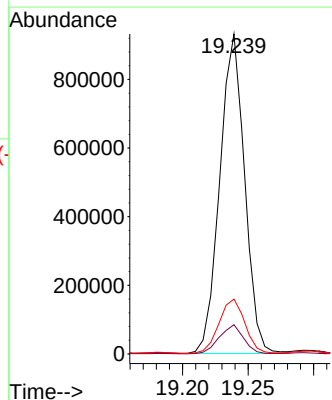
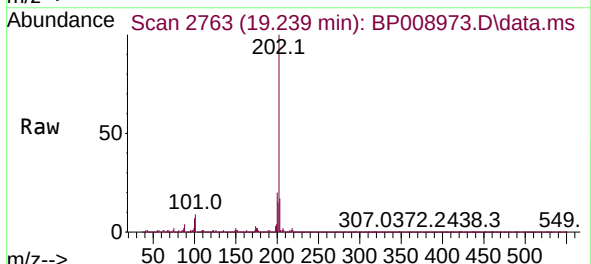
Instrument :
 BNA_P
 ClientSampleId :
 CC-6

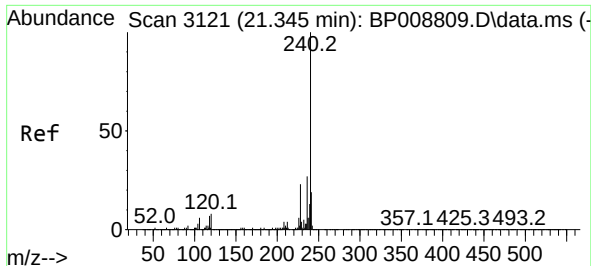
Tgt Ion:178 Resp: 176433
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.1 22.7
 179 16.4 12.8 19.2



#75
 Fluoranthene
 Concen: 21.868 ng
 RT: 19.239 min Scan# 2763
 Delta R.T. -0.006 min
 Lab File: BP008973.D
 Acq: 31 Jan 2022 19:43

Tgt Ion:202 Resp: 1224751
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 30.7
 203 17.2 0.0 38.9

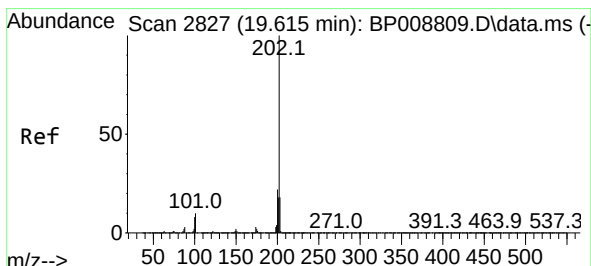
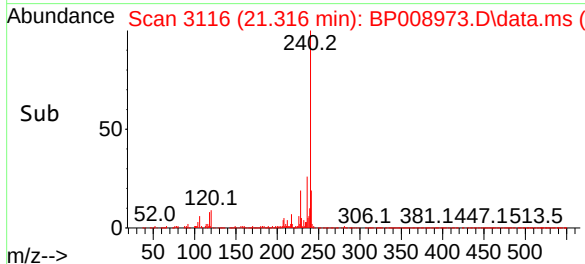
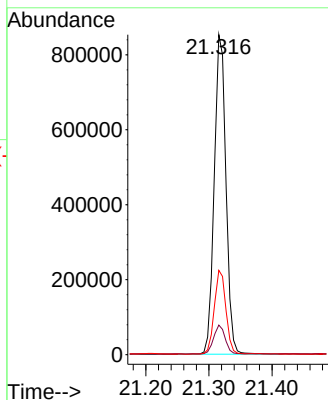
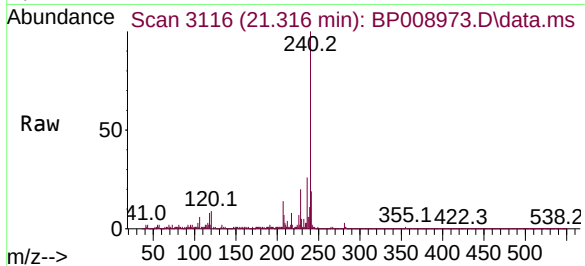




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

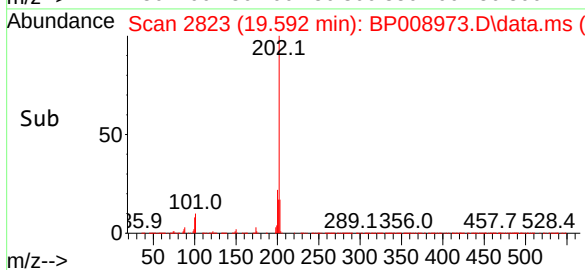
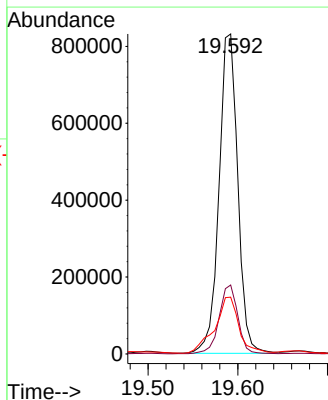
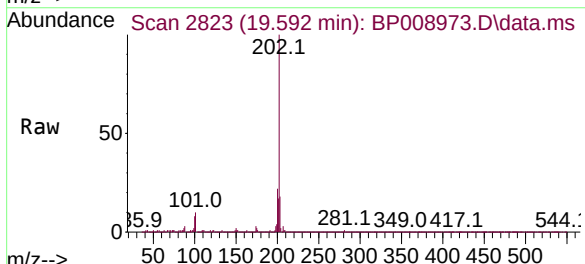
Instrument :
BNA_P
ClientSampleId :
CC-6

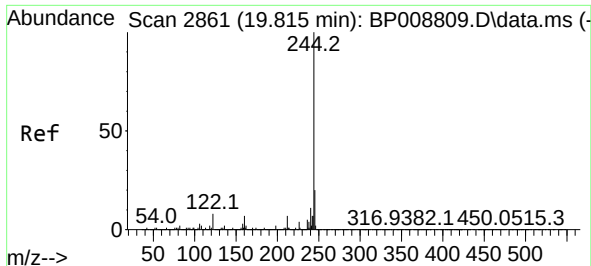
Tgt Ion:240 Resp: 1096004
Ion Ratio Lower Upper
240 100
120 9.3 7.7 11.5
236 26.4 21.2 31.8



#78
Pyrene
Concen: 15.750 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:202 Resp: 1204500
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 17.7 15.0 22.6

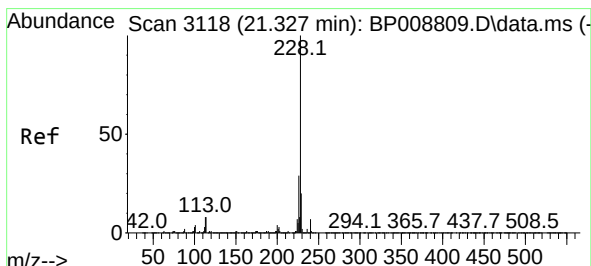
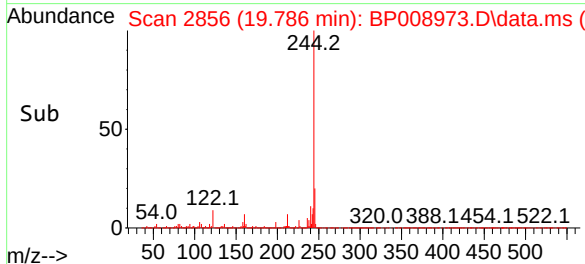
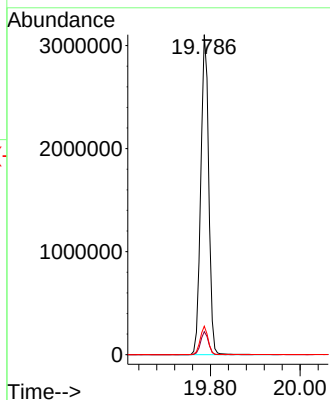
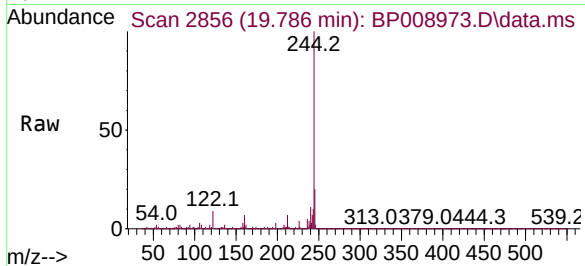




#79
 Terphenyl-d14
 Concen: 58.709 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP008973.D
 Acq: 31 Jan 2022 19:43

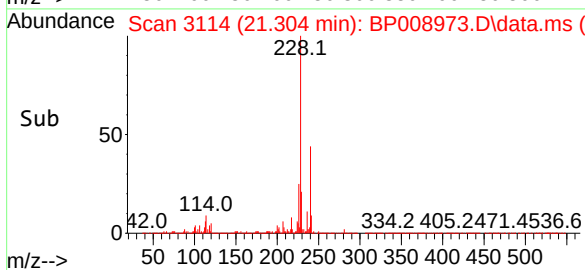
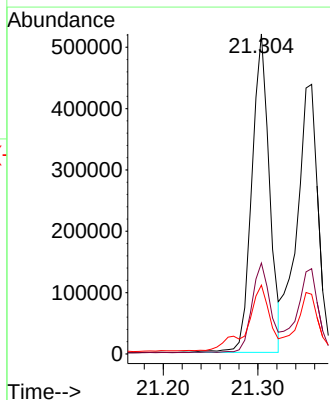
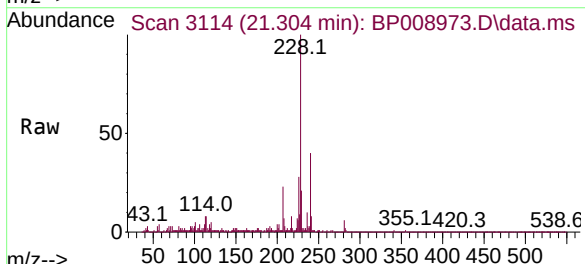
Instrument :
 BNA_P
 ClientSampleId :
 CC-6

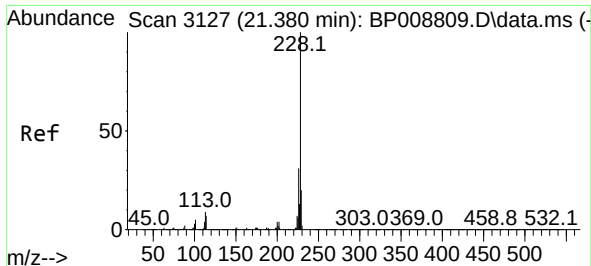
Tgt Ion:244 Resp: 3812043
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 8.9 9.2 13.8#



#81
 Benzo(a)anthracene
 Concen: 9.098 ng
 RT: 21.304 min Scan# 3114
 Delta R.T. -0.006 min
 Lab File: BP008973.D
 Acq: 31 Jan 2022 19:43

Tgt Ion:228 Resp: 670871
 Ion Ratio Lower Upper
 228 100
 226 28.4 23.3 34.9
 229 21.5 17.0 25.6

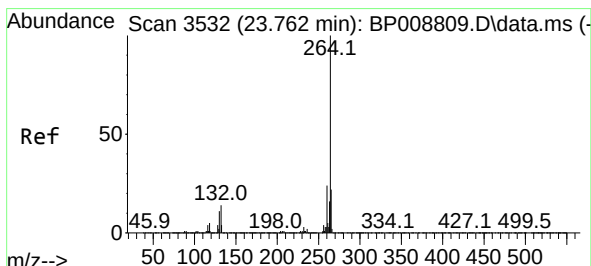
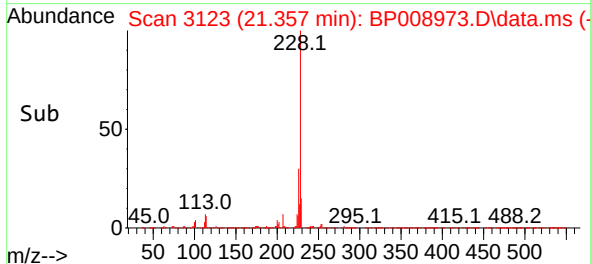
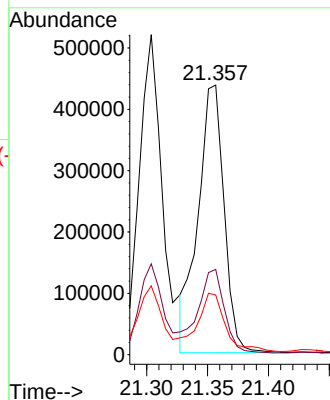
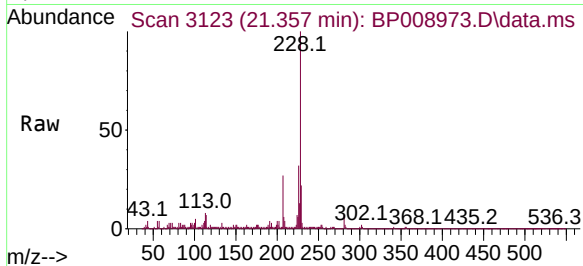




#83
Chrysene
Concen: 9.084 ng
RT: 21.357 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

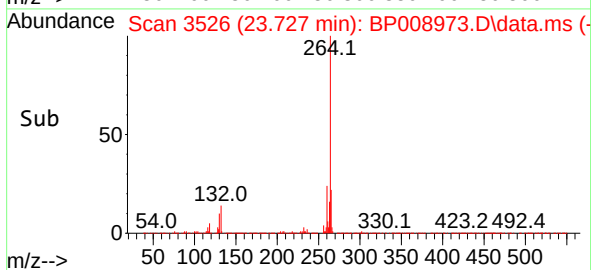
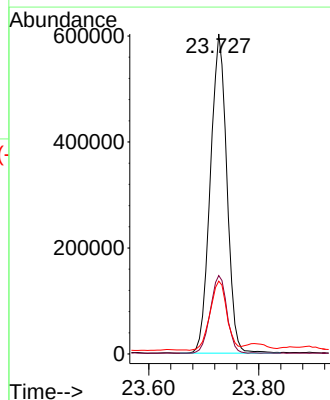
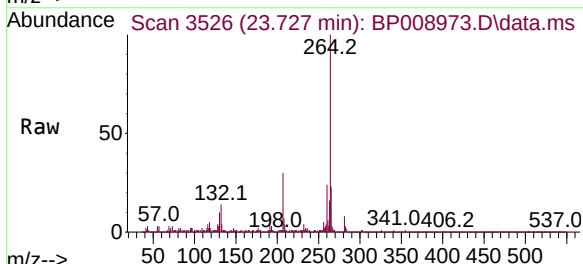
Instrument :
BNA_P
ClientSampleId :
CC-6

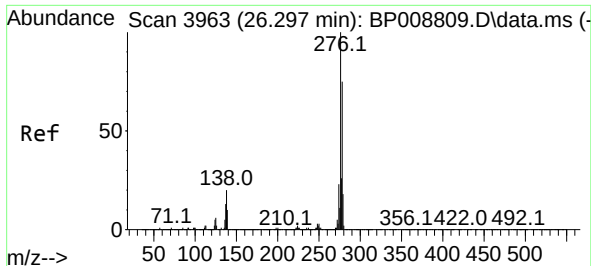
Tgt Ion:	228	Resp:	649323
Ion	Ratio	Lower	Upper
228	100		
226	31.6	26.0	39.0
229	22.2	16.9	25.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3526
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:	264	Resp:	1256115
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.1	28.7
265	22.7	17.1	25.7

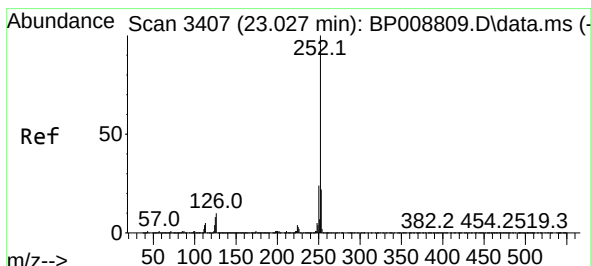
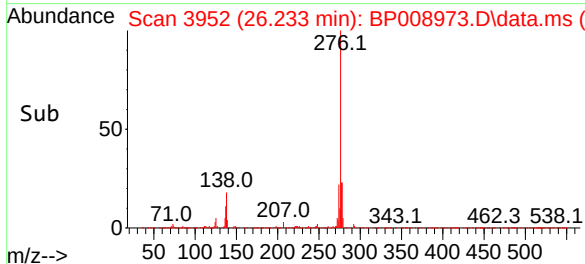
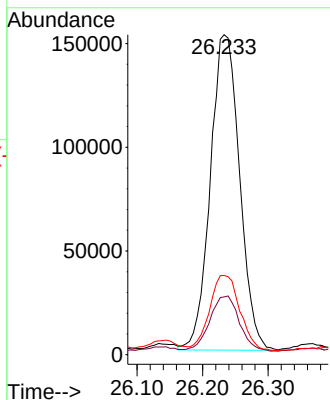
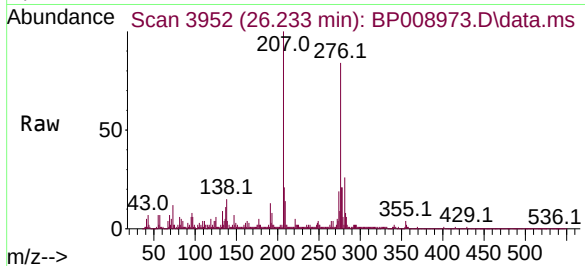




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.554 ng
 RT: 26.233 min Scan# 3952
 Delta R.T. -0.029 min
 Lab File: BP008973.D
 Acq: 31 Jan 2022 19:43

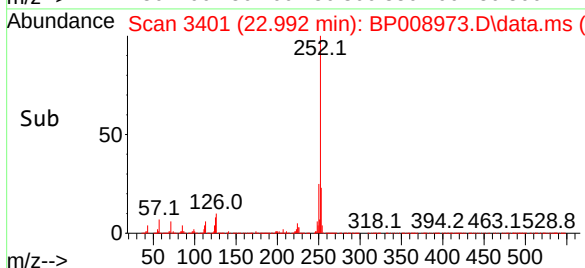
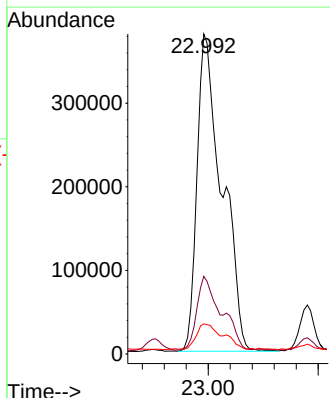
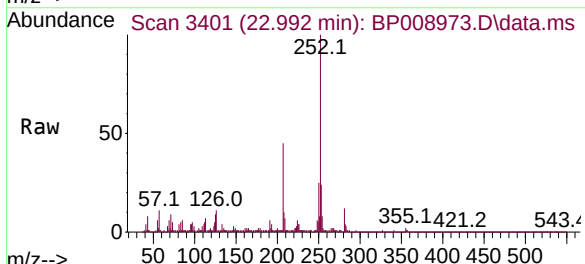
Instrument :
 BNA_P
 ClientSampleId :
 CC-6

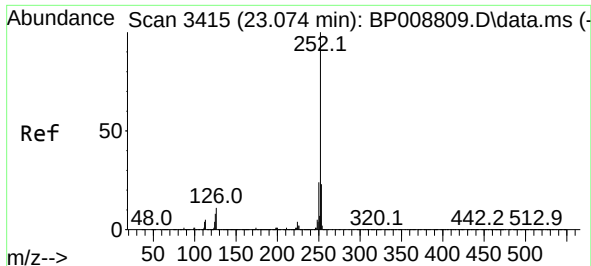
Tgt Ion:	276	Resp:	471406
Ion Ratio	Lower	Upper	
276	100		
138	17.8	17.8	26.6
277	24.8	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 14.250 ng
 RT: 22.992 min Scan# 3401
 Delta R.T. -0.012 min
 Lab File: BP008973.D
 Acq: 31 Jan 2022 19:43

Tgt Ion:	252	Resp:	1195369
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.0	27.0
125	9.4	6.9	10.3

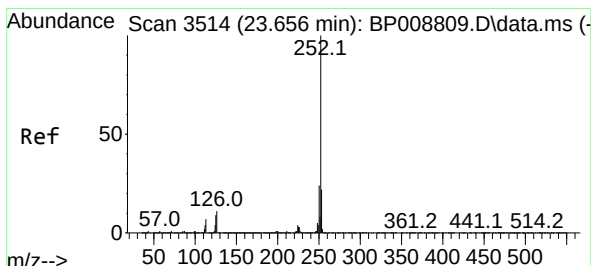
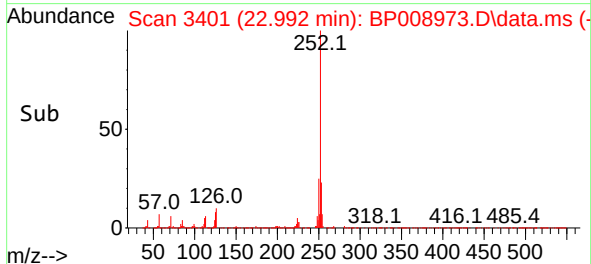
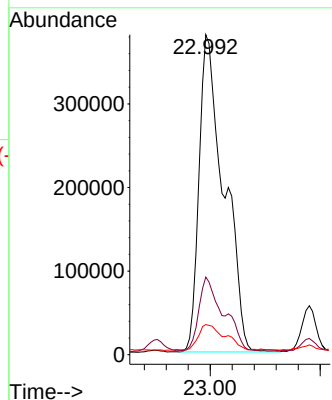
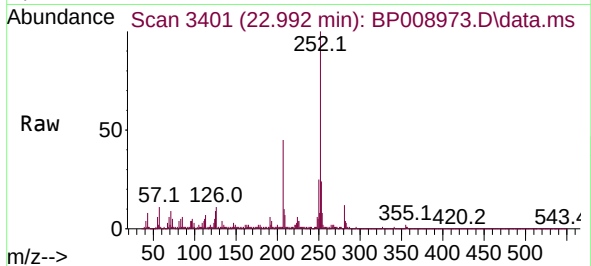




#89
Benzo(k)fluoranthene
Concen: 14.718 ng
RT: 22.992 min Scan# 3415
Delta R.T. -0.059 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

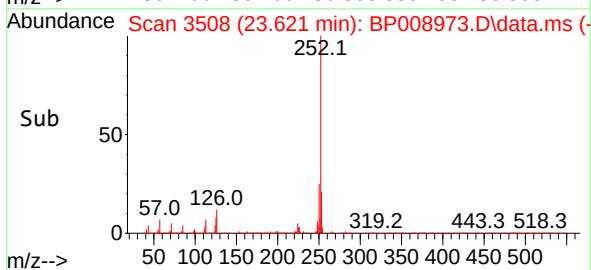
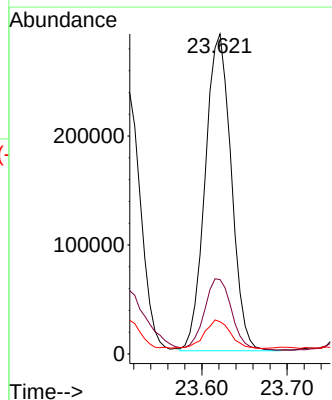
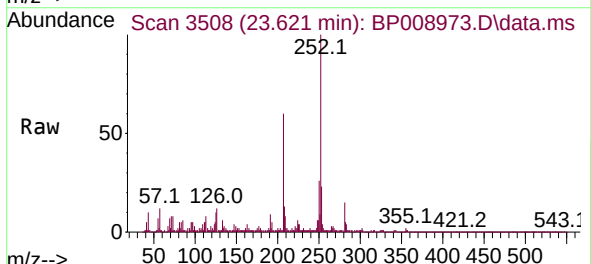
Instrument :
BNA_P
ClientSampleId :
CC-6

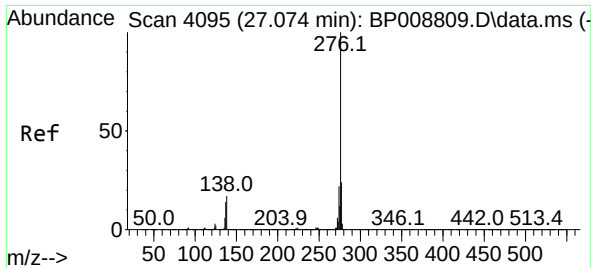
Tgt Ion:252 Resp: 1195139
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.2
125 9.4 7.3 10.9



#90
Benzo(a)pyrene
Concen: 7.628 ng
RT: 23.621 min Scan# 3508
Delta R.T. -0.012 min
Lab File: BP008973.D
Acq: 31 Jan 2022 19:43

Tgt Ion:252 Resp: 617622
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 10.0 7.8 11.6





#92

Benzo(g,h,i)perylene

Concen: 5.507 ng

RT: 27.003 min Scan# 40

Delta R.T. -0.029 min

Lab File: BP008973.D

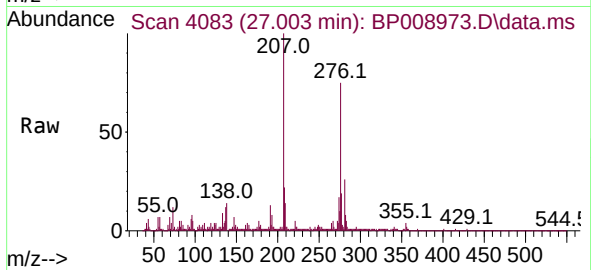
Acq: 31 Jan 2022 19:43

Instrument :

BNA_P

ClientSampleId :

CC-6



Tgt Ion:276 Resp: 473273

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 18.6 15.0 22.4

