

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
 Data File : BP021580.D
 Acq On : 20 Aug 2024 20:17
 Operator : RC/JU
 Sample : P3600-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VCPS-B3-081324-10-18

Quant Time: Aug 21 00:26:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

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

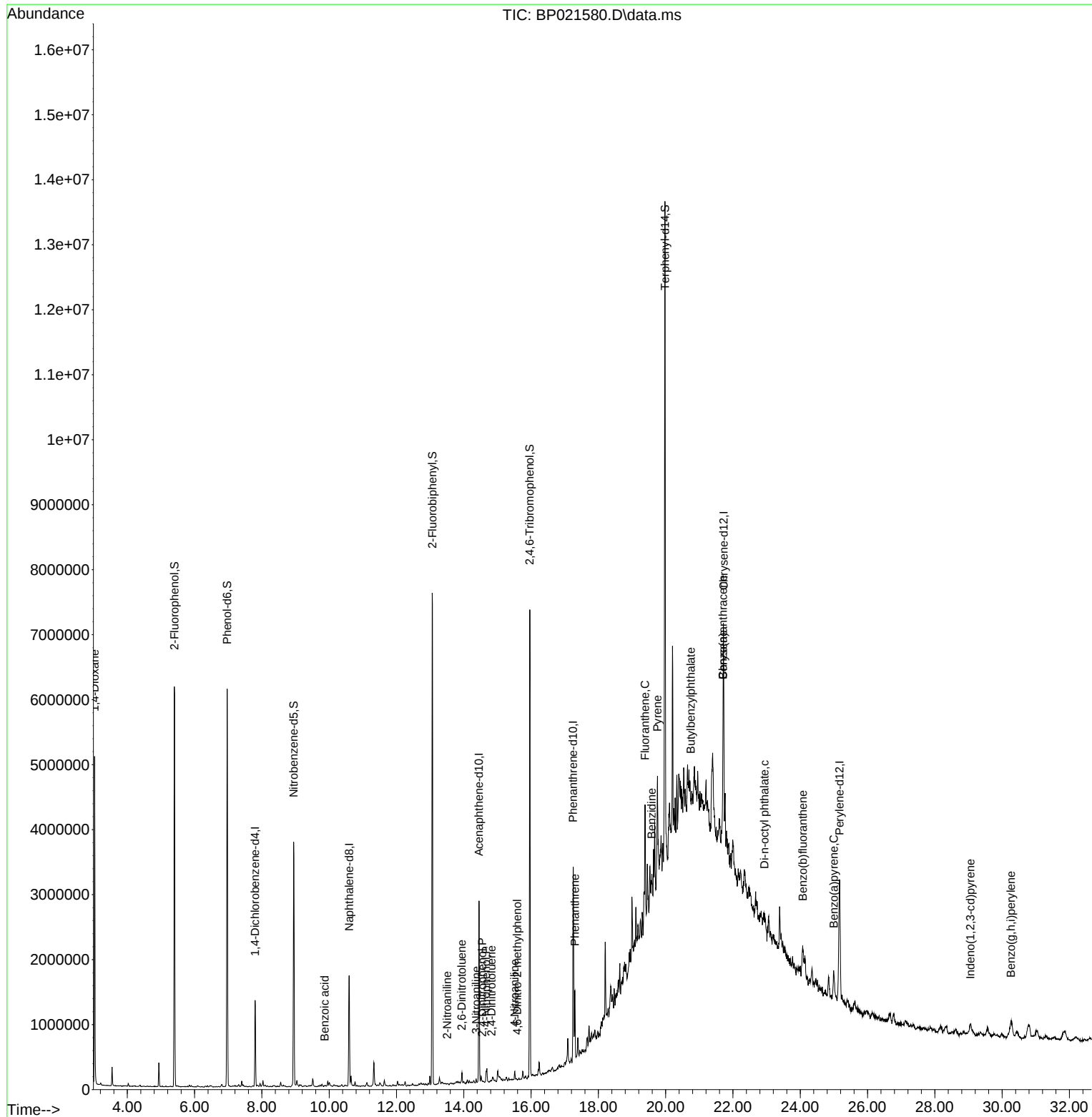
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	349343	20.000	ng	-0.01
21) Naphthalene-d8	10.593	136	1446660	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	970406	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	2097548	20.000	ng	0.00
76) Chrysene-d12	21.721	240	1804629	20.000	ng	0.02
86) Perylene-d12	25.168	264	2213566	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	2825910	120.114	ng	0.01
7) Phenol-d6	6.969	99	3940215	114.807	ng	0.00
23) Nitrobenzene-d5	8.946	82	2383067	85.025	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1438275	133.171	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	4215357	66.295	ng	0.00
79) Terphenyl-d14	19.980	244	5538703	59.626	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.028	88	28316	2.538	ng	# 1
26) 2-Nitrophenol	9.687	139	128	Below Cal		# 1
32) Benzoic acid	9.863	122	208	3.346	ng	# 1
48) 2-Nitroaniline	13.510	65	203	5.159	ng	# 69
51) 2,6-Dinitrotoluene	13.940	165	318	4.008	ng	# 97
53) 3-Nitroaniline	14.369	138	558	4.009	ng	# 61
54) 2,4-Dinitrophenol	14.545	184	50	2.451	ng	# 1
56) 4-Nitrophenol	14.663	139	1159	5.179	ng	# 1
57) 2,4-Dinitrotoluene	14.822	165	973	5.075	ng	# 60
62) 4-Nitroaniline	15.510	138	699	2.984	ng	# 92
65) 4,6-Dinitro-2-methylph...	15.587	198	95	4.626	ng	# 1
71) Phenanthrene	17.304	178	641153	6.356	ng	# 100
75) Fluoranthene	19.386	202	965100	7.797	ng	# 98
77) Benzidine	19.586	184	701	4.585	ng	# 1
78) Pyrene	19.757	202	818821	6.942	ng	# 99
80) Butylbenzylphthalate	20.745	149	556	3.614	ng	# 1
81) Benzo(a)anthracene	21.704	228	480547	4.242	ng	# 95
83) Chrysene	21.704	228	480616	4.493	ng	# 96
85) Di-n-octyl phthalate	22.939	149	3352	4.862	ng	# 78
87) Indeno(1,2,3-cd)pyrene	29.062	276	289162	2.015	ng	# 92
88) Benzo(b)fluoranthene	24.074	252	596242	4.690	ng	# 90
90) Benzo(a)pyrene	24.998	252	448905	4.069	ng	# 90
92) Benzo(g,h,i)perylene	30.262	276	276483	2.314	ng	# 98

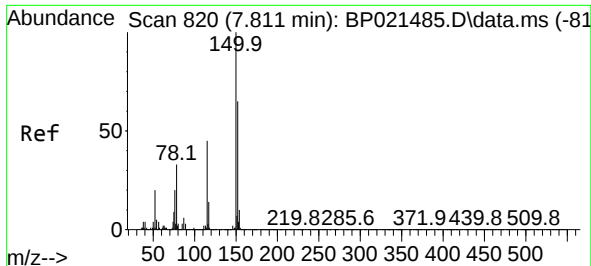
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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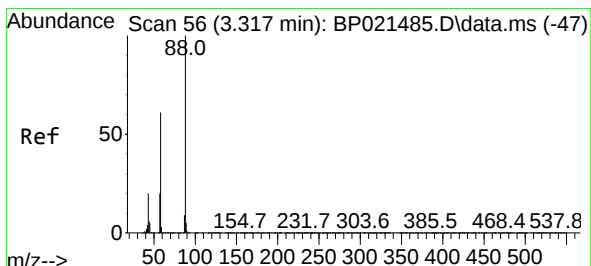
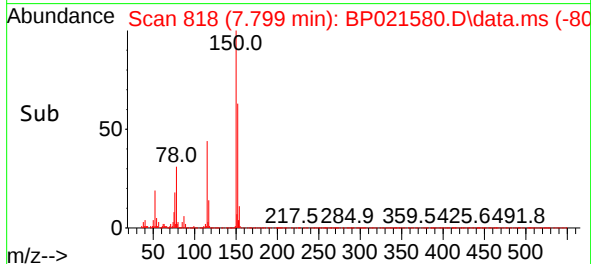
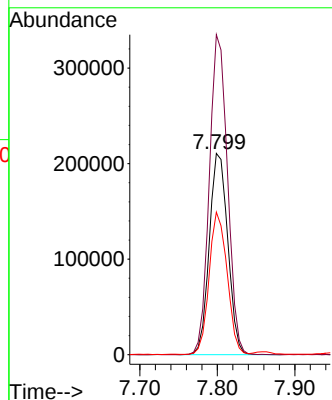
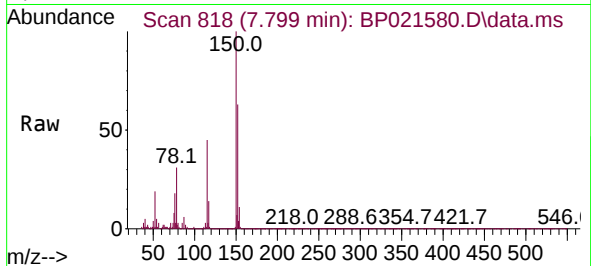




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.799 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP021580.D
 Acq: 20 Aug 2024 20:17

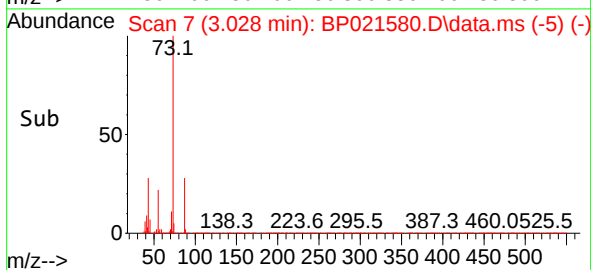
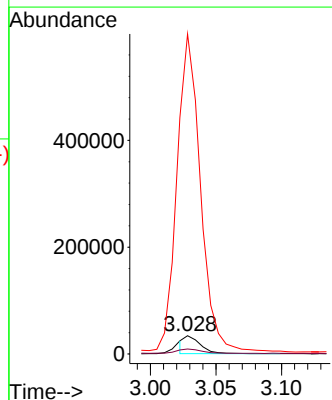
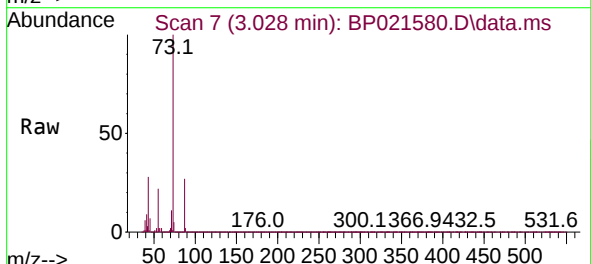
Instrument :
 BNA_P
 ClientSampleId :
 VCPS-B3-081324-10-18

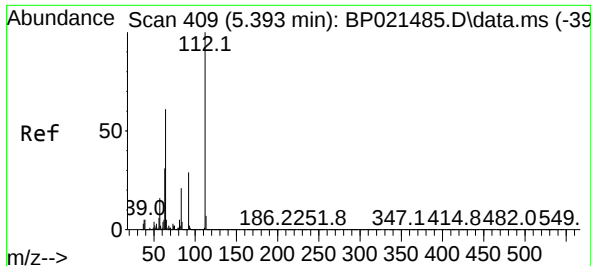
Tgt Ion:152 Resp: 349343
 Ion Ratio Lower Upper
 152 100
 150 159.0 122.4 183.6
 115 70.8 54.7 82.1



#2
 1,4-Dioxane
 Concen: 2.538 ng
 RT: 3.028 min Scan# 7
 Delta R.T. -0.288 min
 Lab File: BP021580.D
 Acq: 20 Aug 2024 20:17

Tgt Ion: 88 Resp: 28316
 Ion Ratio Lower Upper
 88 100
 58 29.1 48.7 73.1#
 43 1822.4 15.4 23.2#

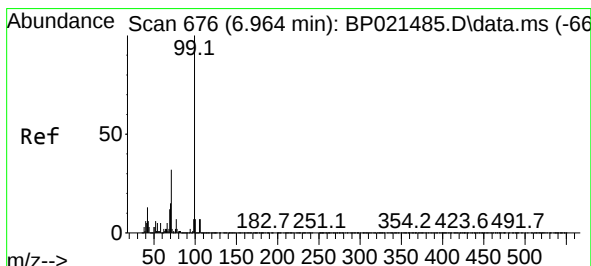
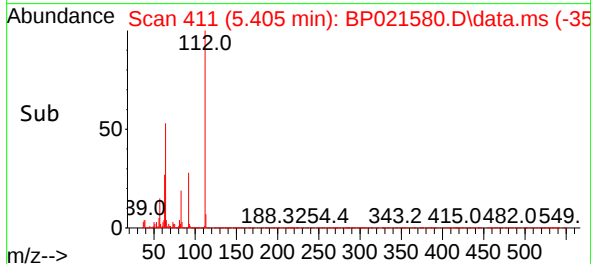
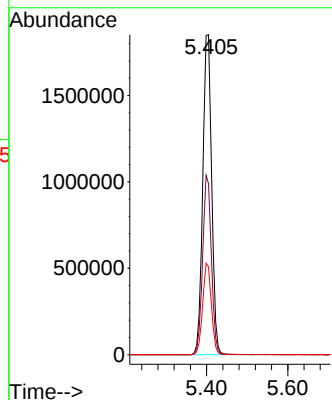
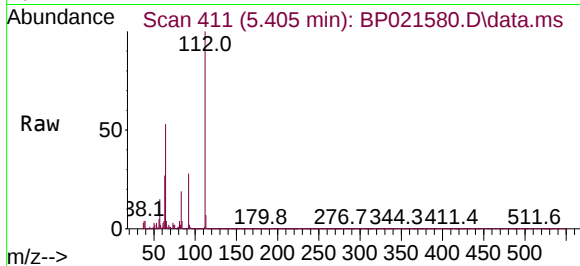




#5
2-Fluorophenol
Concen: 120.114 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

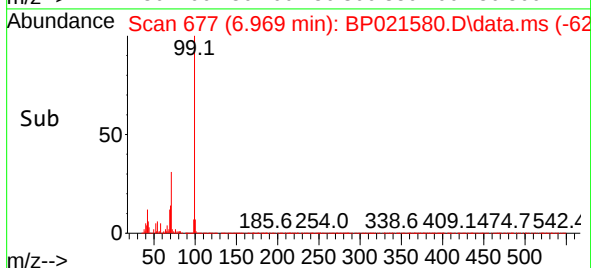
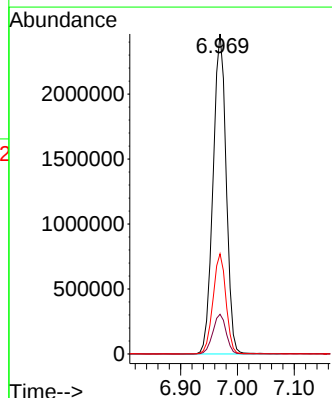
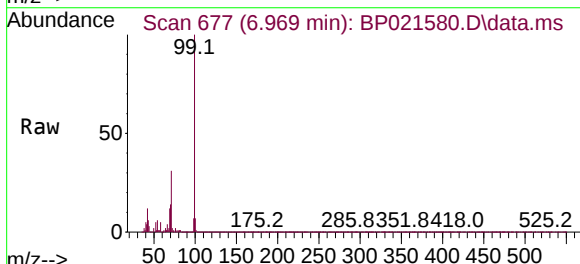
Instrument :
BNA_P
ClientSampleId :
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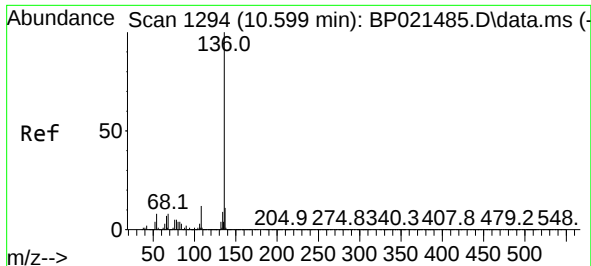
Tgt Ion:112 Resp: 2825910
Ion Ratio Lower Upper
112 100
64 53.5 49.0 73.6
63 27.4 24.6 36.8



#7
Phenol-d6
Concen: 114.807 ng
RT: 6.969 min Scan# 677
Delta R.T. 0.006 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion: 99 Resp: 3940215
Ion Ratio Lower Upper
99 100
42 12.4 10.2 15.4
71 31.3 25.8 38.8

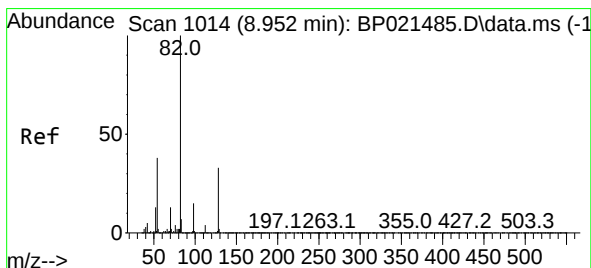
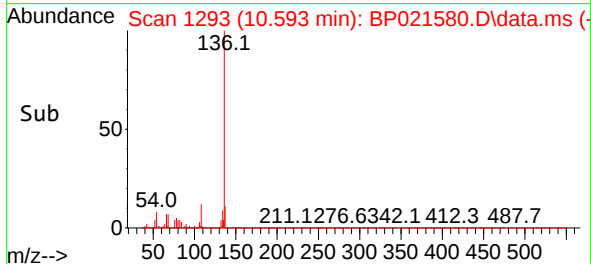
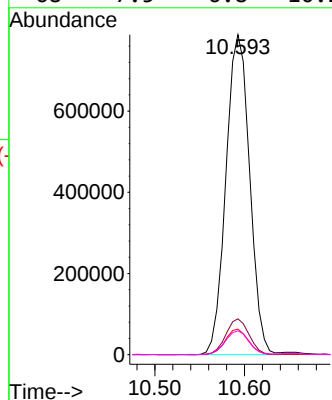
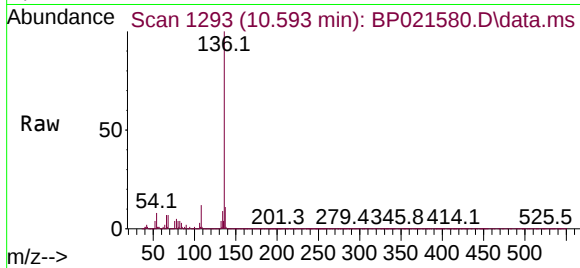




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

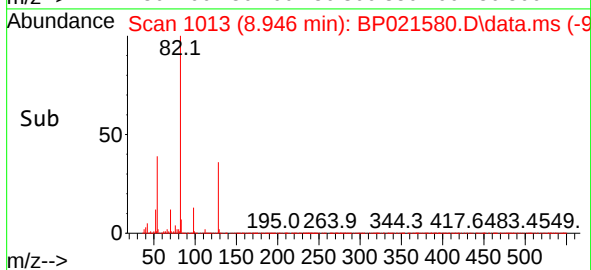
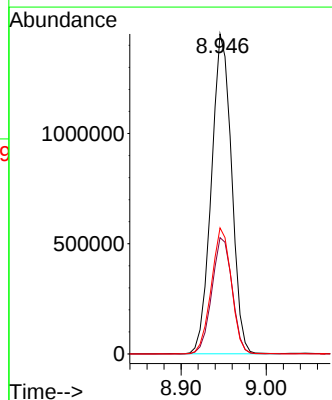
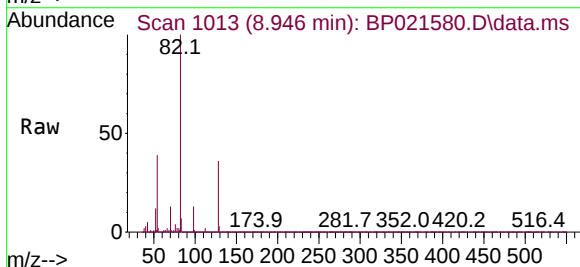
Instrument :
BNA_P
ClientSampleId :
VCPS-B3-081324-10-18

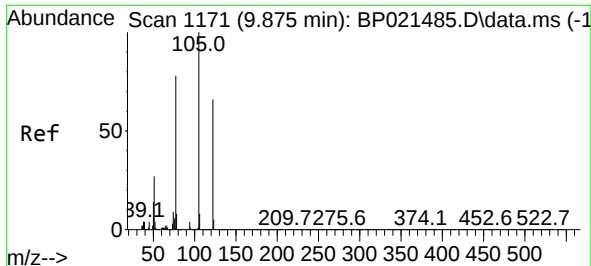
Tgt Ion:136 Resp: 1446660
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.0 6.3 9.5
68 7.5 6.8 10.2



#23
Nitrobenzene-d5
Concen: 85.025 ng
RT: 8.946 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion: 82 Resp: 2383067
Ion Ratio Lower Upper
82 100
128 36.4 26.5 39.7
54 39.4 30.3 45.5

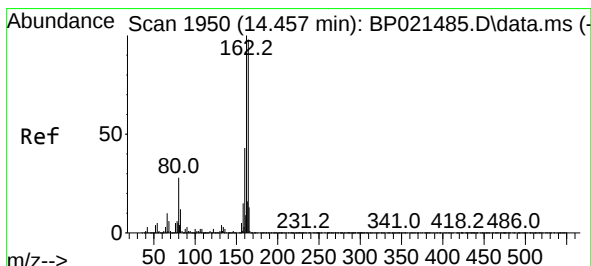
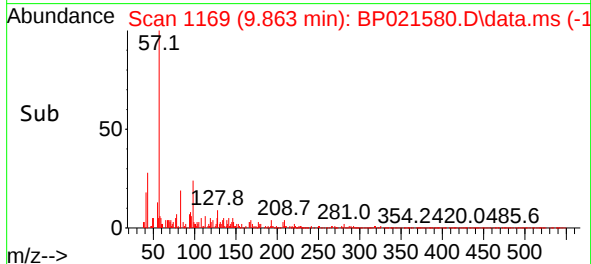
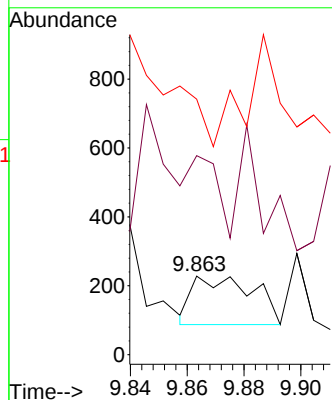
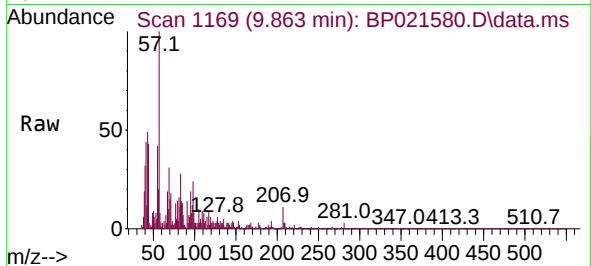




#32
Benzoic acid
Concen: 3.346 ng
RT: 9.863 min Scan# 1171
Delta R.T. -0.012 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

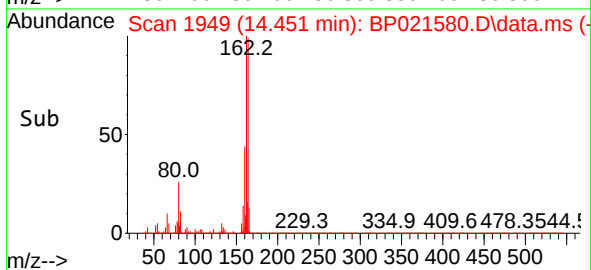
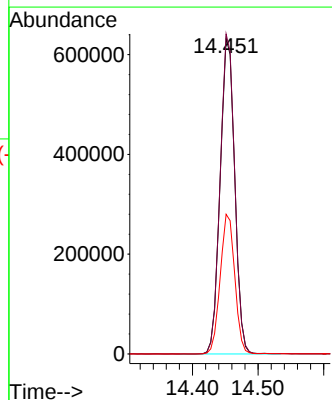
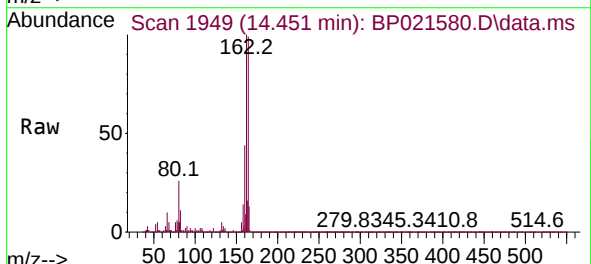
Instrument :
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ClientSampleId :
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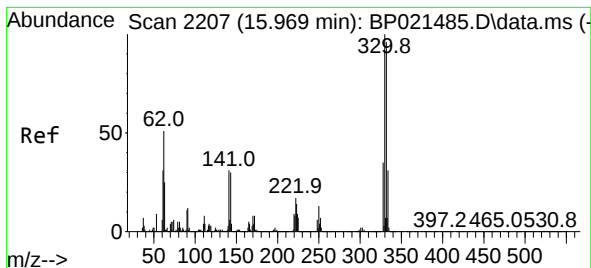
Tgt Ion:122 Resp: 208
Ion Ratio Lower Upper
122 100
105 253.5 124.6 164.6#
77 325.4 96.2 136.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion:164 Resp: 970406
Ion Ratio Lower Upper
164 100
162 101.4 81.5 122.3
160 44.3 35.2 52.8

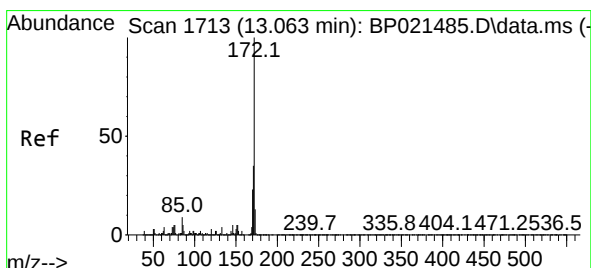
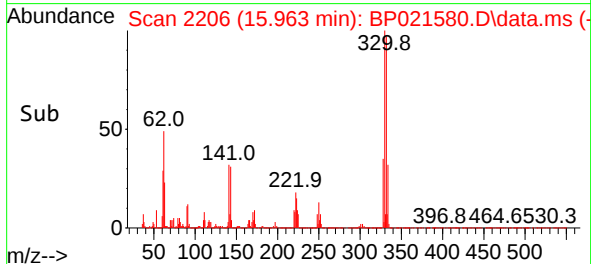
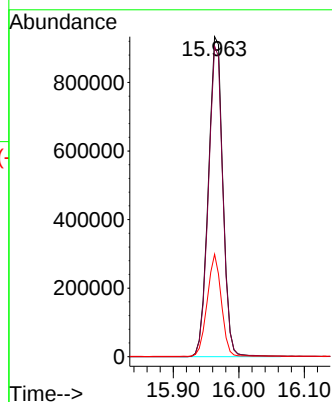
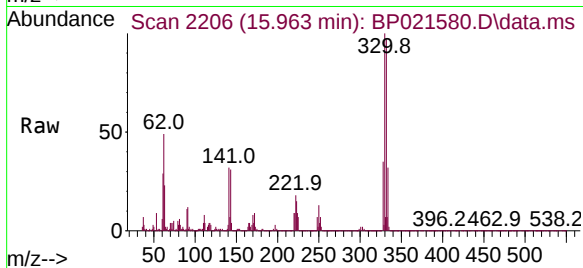




#42
2,4,6-Tribromophenol
Concen: 133.171 ng
RT: 15.963 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

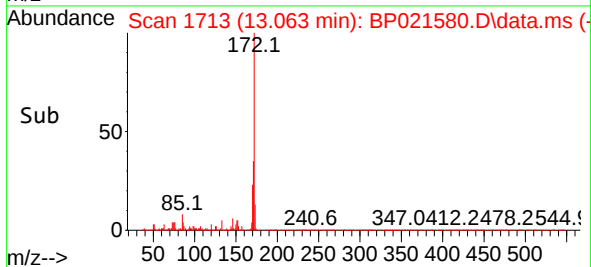
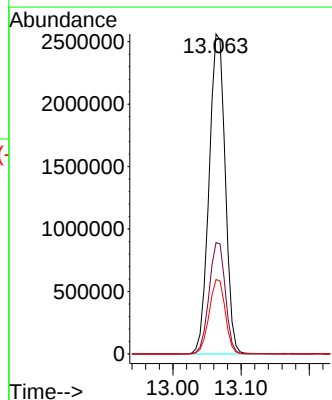
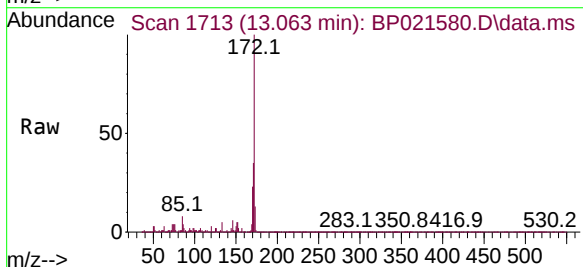
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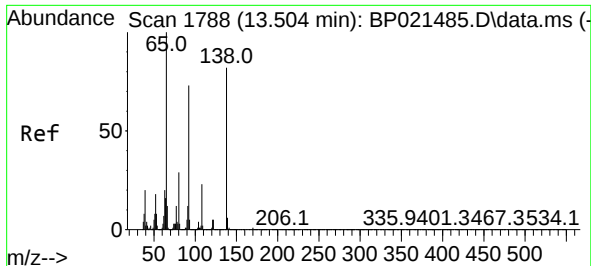
Tgt Ion:330 Resp: 1438275
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 31.1 24.5 36.7



#45
2-Fluorobiphenyl
Concen: 66.295 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion:172 Resp: 4215357
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 23.3 18.4 27.6

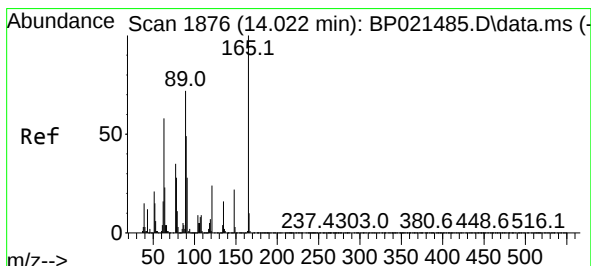
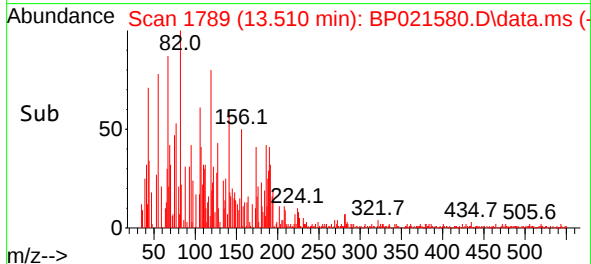
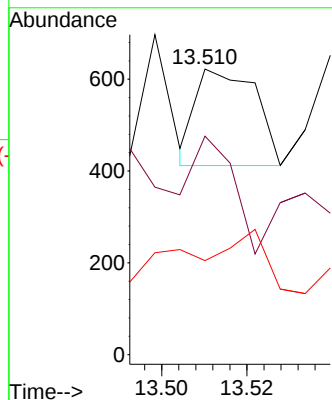
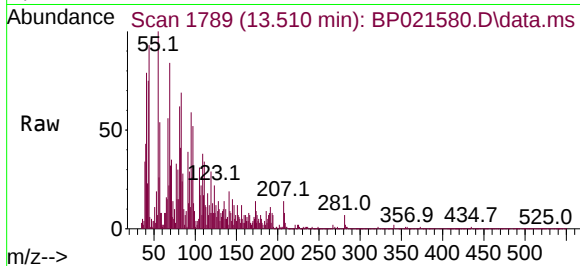




#48
2-Nitroaniline
Concen: 5.159 ng
RT: 13.510 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

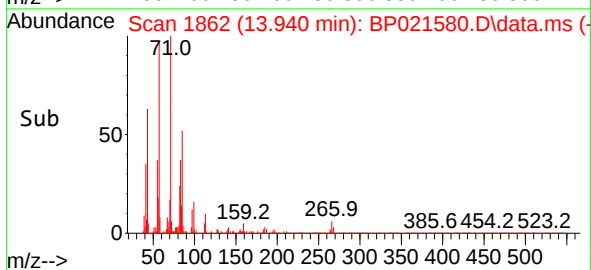
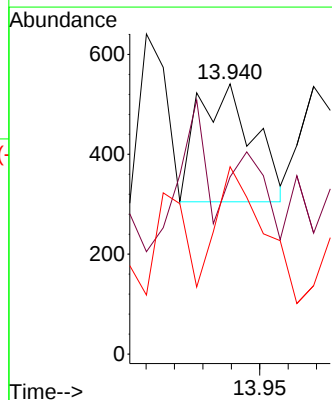
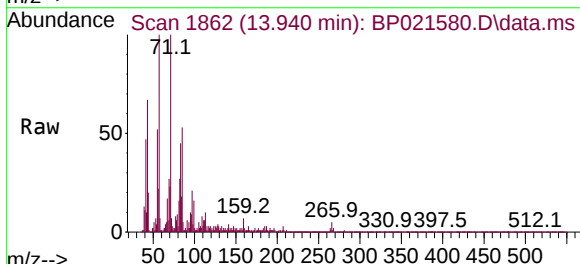
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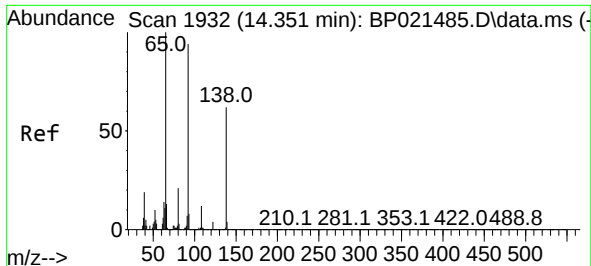
Tgt Ion: 65 Resp: 203
Ion Ratio Lower Upper
65 100
92 76.5 58.1 87.1
138 33.0 65.5 98.3#



#51
2,6-Dinitrotoluene
Concen: 4.008 ng
RT: 13.940 min Scan# 1862
Delta R.T. -0.082 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion: 165 Resp: 318
Ion Ratio Lower Upper
165 100
63 65.6 51.5 77.3
89 69.3 57.8 86.8

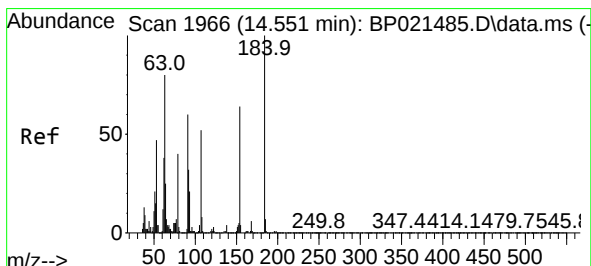
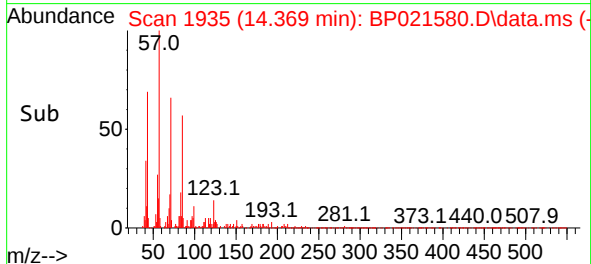
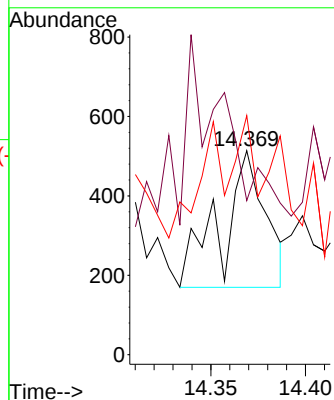
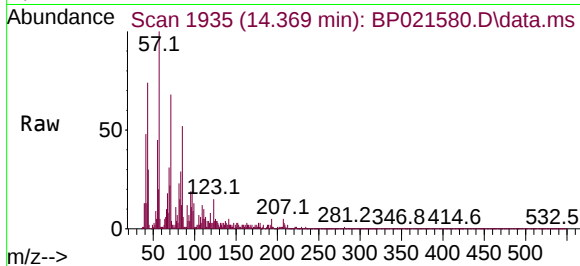




#53
3-Nitroaniline
Concen: 4.009 ng
RT: 14.369 min Scan# 1935
Delta R.T. 0.018 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

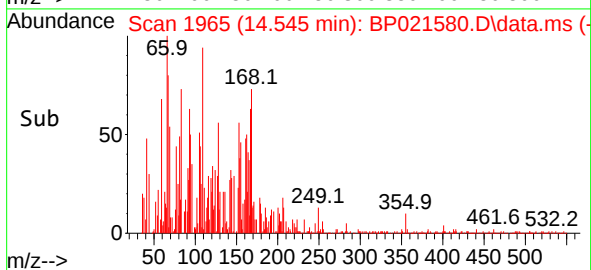
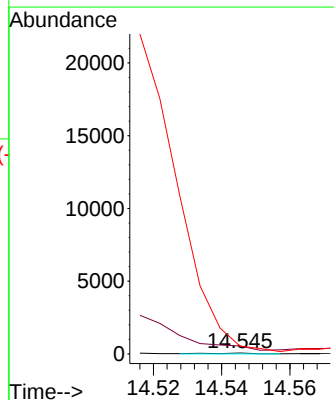
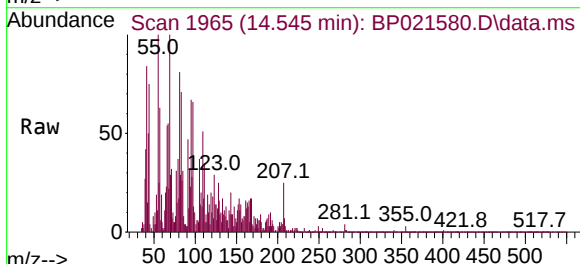
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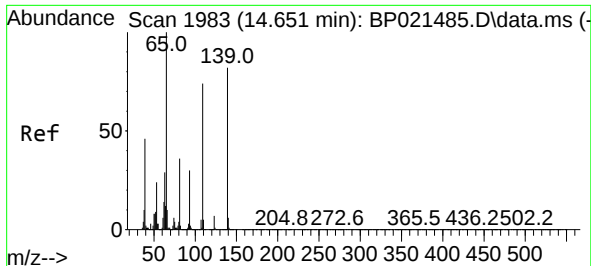
Tgt Ion:138 Resp: 558
Ion Ratio Lower Upper
138 100
108 75.5 16.2 24.4#
92 117.1 122.2 183.4#



#54
2,4-Dinitrophenol
Concen: 2.451 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion:184 Resp: 50
Ion Ratio Lower Upper
184 100
63 817.9 64.9 97.3#
154 798.5 52.1 78.1#

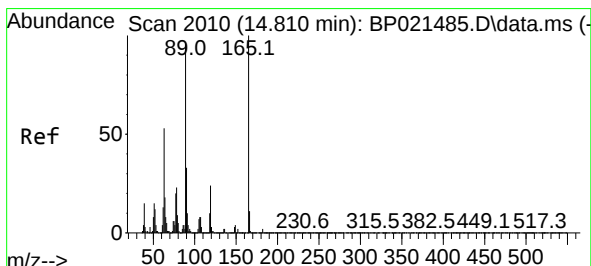
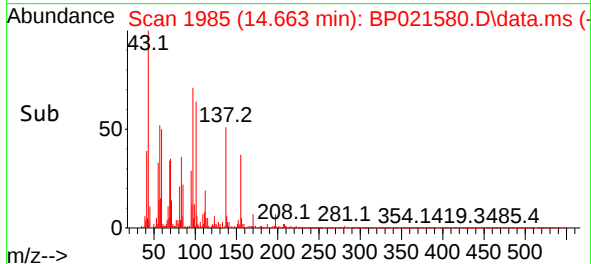
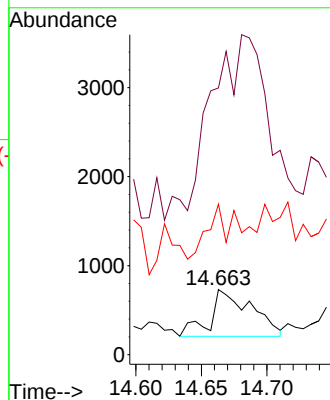
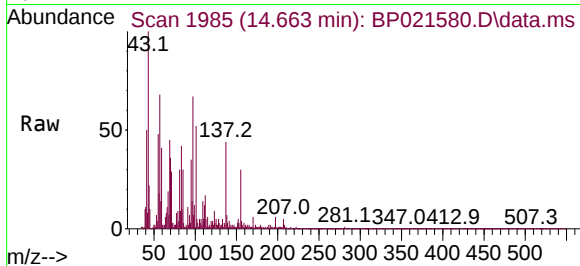




#56
4-Nitrophenol
Concen: 5.179 ng
RT: 14.663 min Scan# 1983
Delta R.T. 0.012 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

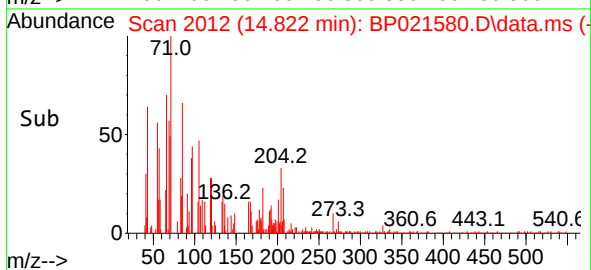
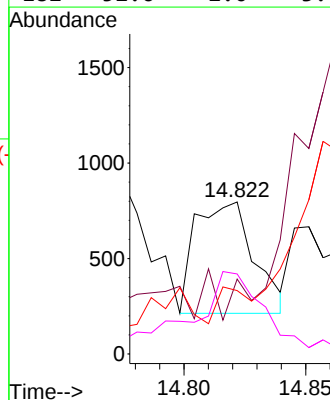
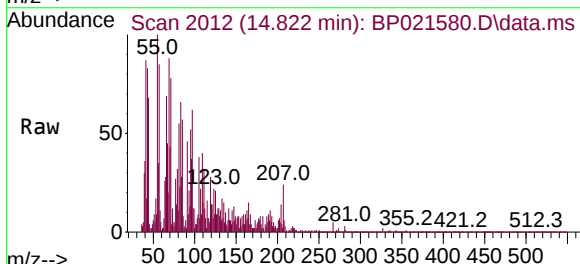
Instrument :
BNA_P
ClientSampleId :
VCPS-B3-081324-10-18

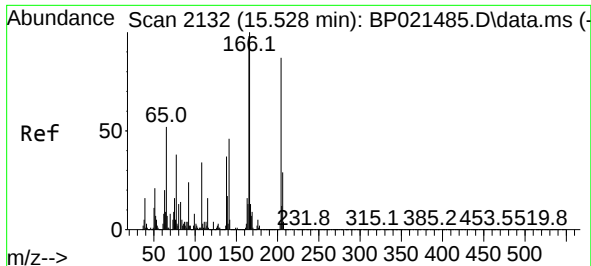
Tgt Ion:139 Resp: 1159
Ion Ratio Lower Upper
139 100
109 409.8 70.2 110.2#
65 231.5 101.8 141.8#



#57
2,4-Dinitrotoluene
Concen: 5.075 ng
RT: 14.822 min Scan# 2012
Delta R.T. 0.012 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion:165 Resp: 973
Ion Ratio Lower Upper
165 100
63 49.2 42.5 63.7
89 41.7 77.1 115.7#
182 52.6 2.0 3.0#

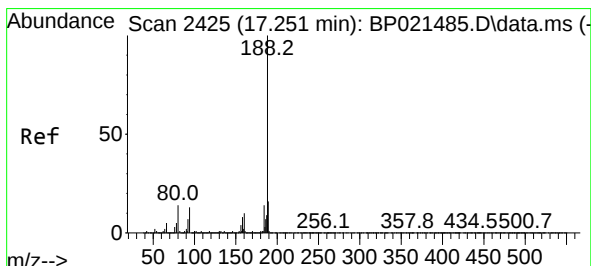
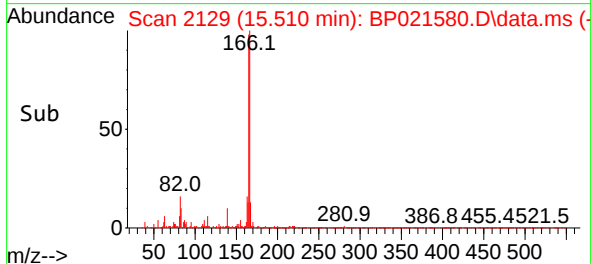
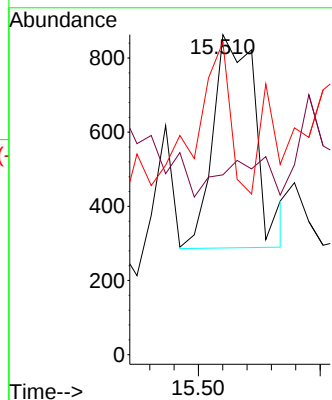
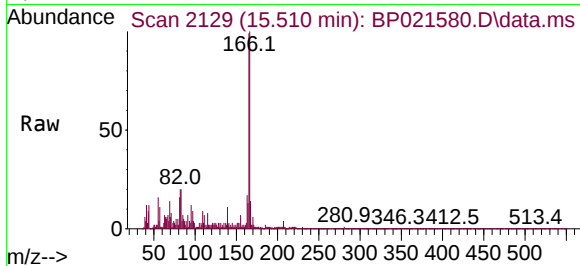




#62
4-Nitroaniline
Concen: 2.984 ng
RT: 15.510 min Scan# 2132
Delta R.T. -0.018 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

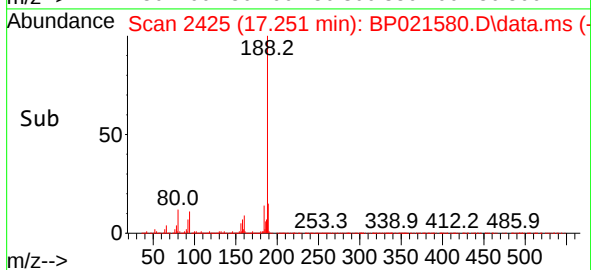
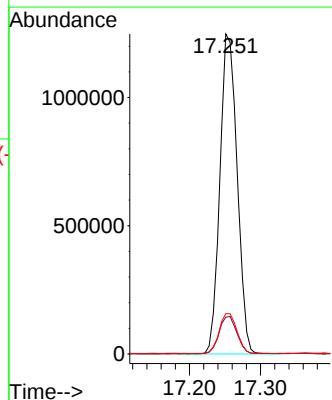
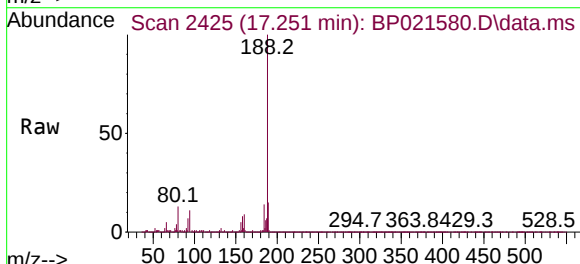
Instrument :
BNA_P
ClientSampleId :
VCPS-B3-081324-10-18

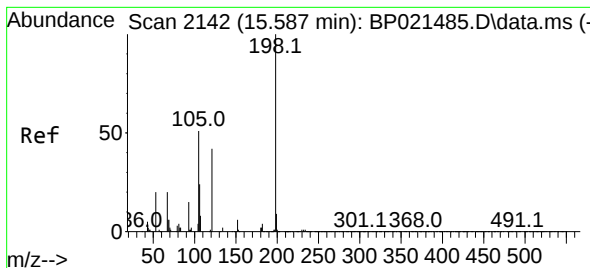
Tgt Ion:138 Resp: 699
Ion Ratio Lower Upper
138 100
92 56.2 46.4 86.4
108 97.7 73.2 113.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion:188 Resp: 2097548
Ion Ratio Lower Upper
188 100
94 11.5 10.2 15.4
80 12.6 11.6 17.4

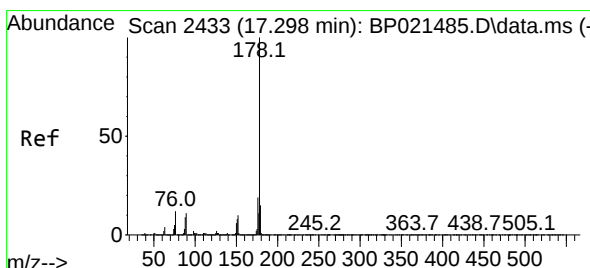
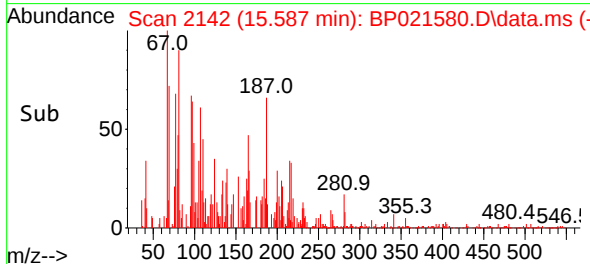
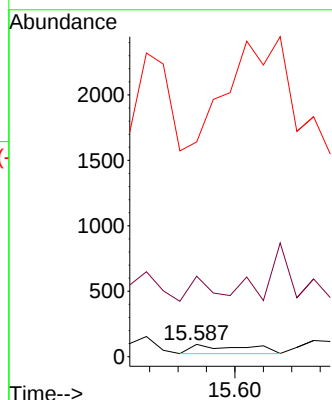
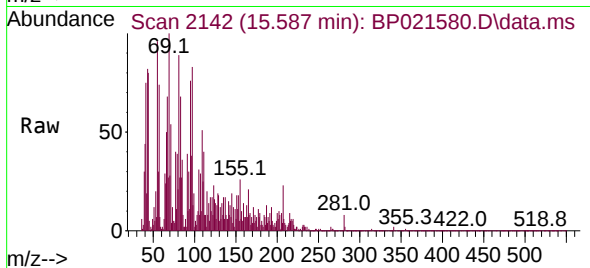




#65
4,6-Dinitro-2-methylphenol
Concen: 4.626 ng
RT: 15.587 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

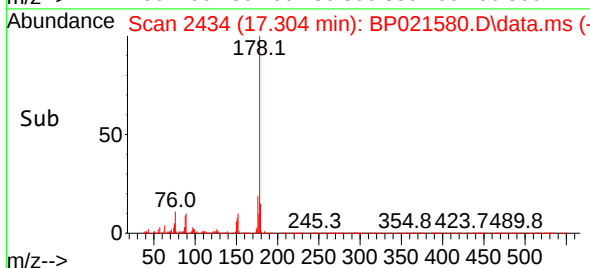
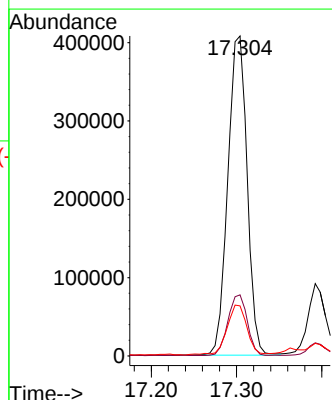
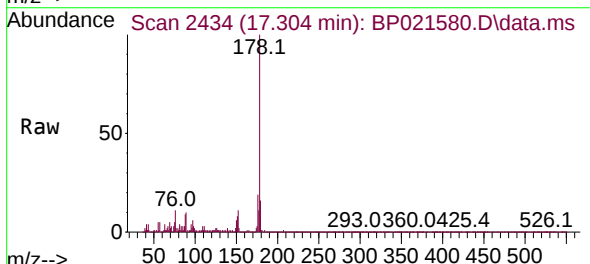
Instrument :
BNA_P
ClientSampleId :
VCPS-B3-081324-10-18

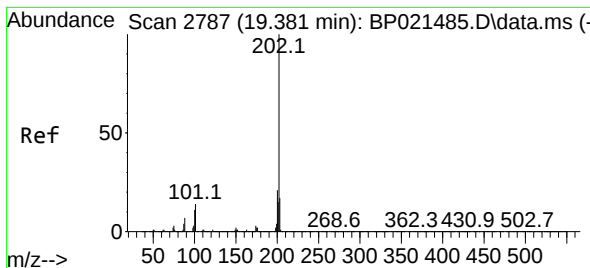
Tgt Ion:198 Resp: 95
Ion Ratio Lower Upper
198 100
51 654.3 21.5 61.5#
105 1745.7 32.9 72.9#



#71
Phenanthrene
Concen: 6.356 ng
RT: 17.304 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion:178 Resp: 641153
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.7 12.4 18.6





#75

Fluoranthene

Concen: 7.797 ng

RT: 19.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021580.D

Acq: 20 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

VCPS-B3-081324-10-18

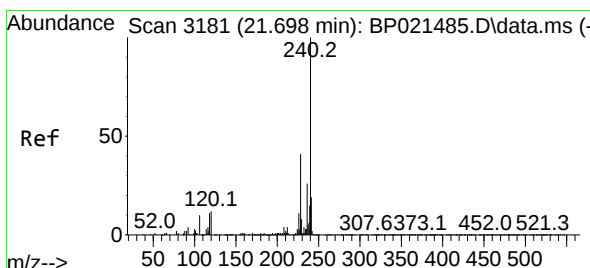
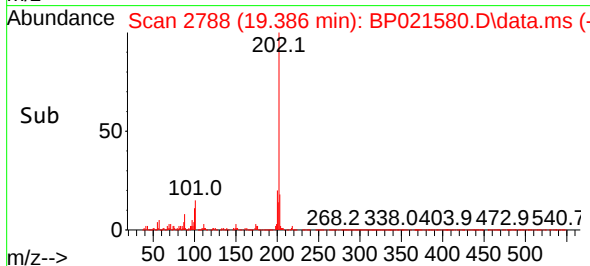
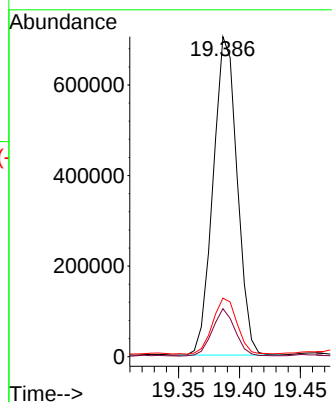
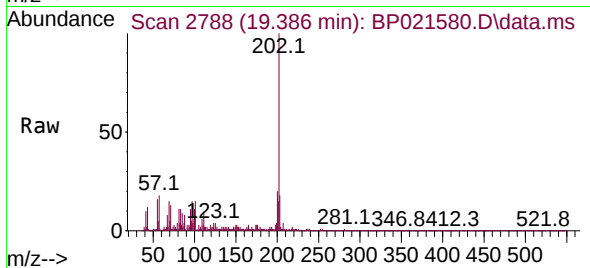
Tgt Ion:202 Resp: 965100

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.0

203 18.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.721 min Scan# 3185

Delta R.T. 0.023 min

Lab File: BP021580.D

Acq: 20 Aug 2024 20:17

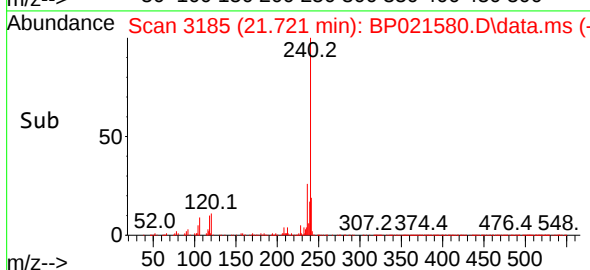
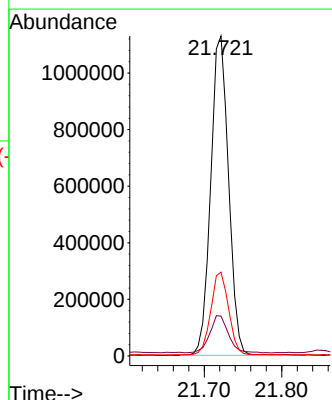
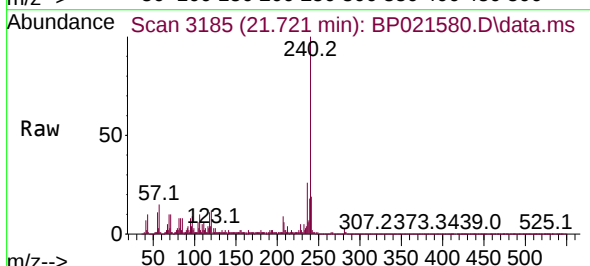
Tgt Ion:240 Resp: 1804629

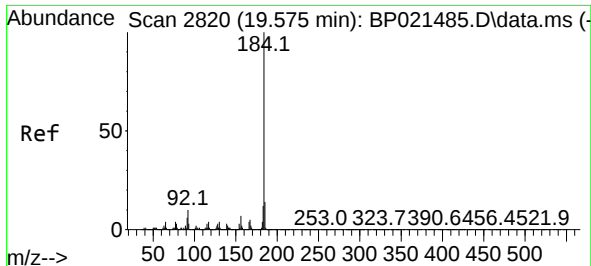
Ion Ratio Lower Upper

240 100

120 12.5 9.9 14.9

236 26.2 20.6 30.8

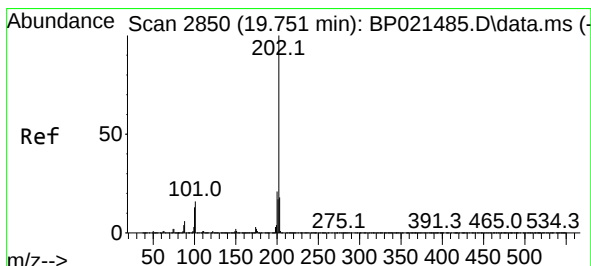
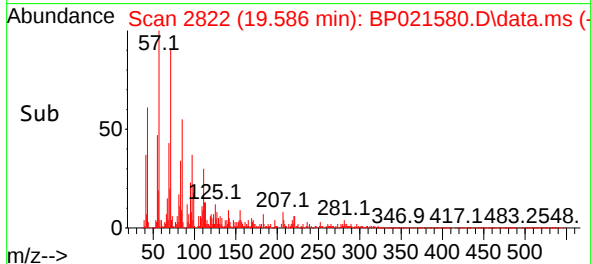
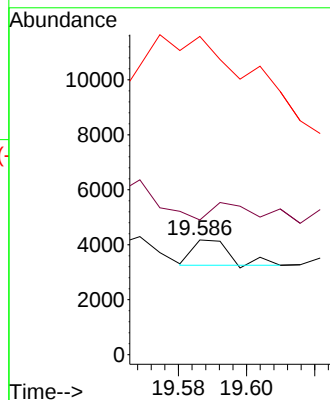
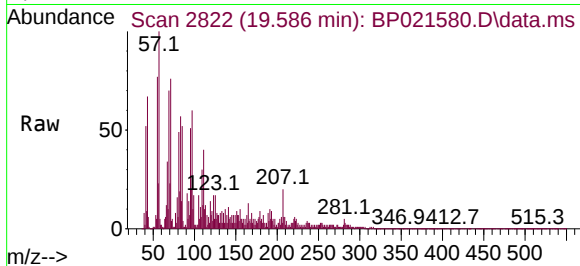




#77
Benzidine
Concen: 4.585 ng
RT: 19.586 min Scan# 21
Delta R.T. 0.011 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

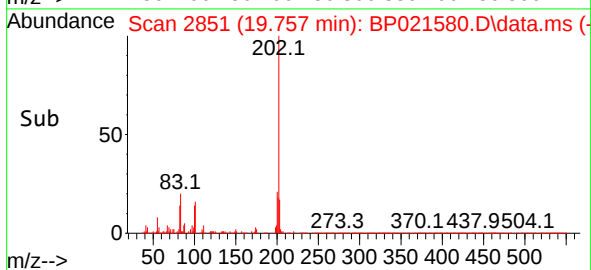
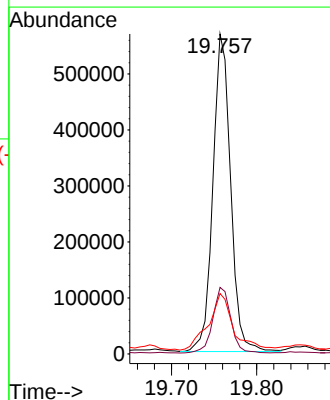
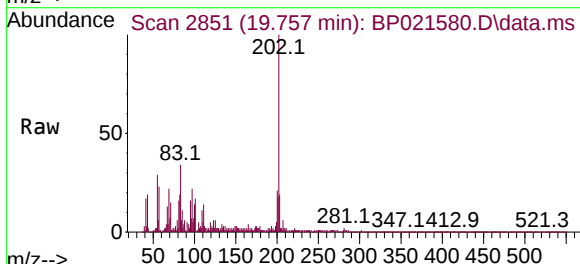
Instrument :
BNA_P
ClientSampleId :
VCPS-B3-081324-10-18

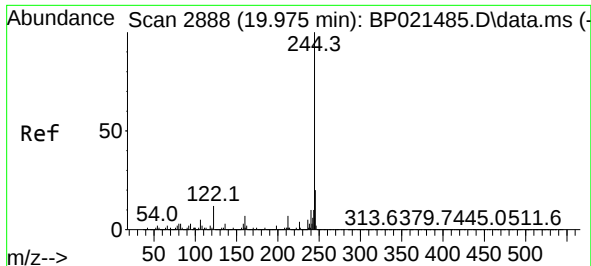
Tgt Ion:184 Resp: 701
Ion Ratio Lower Upper
184 100
185 117.4 11.4 17.0#
183 277.5 9.3 13.9#



#78
Pyrene
Concen: 6.942 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021580.D
Acq: 20 Aug 2024 20:17

Tgt Ion:202 Resp: 818821
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 18.9 14.1 21.1

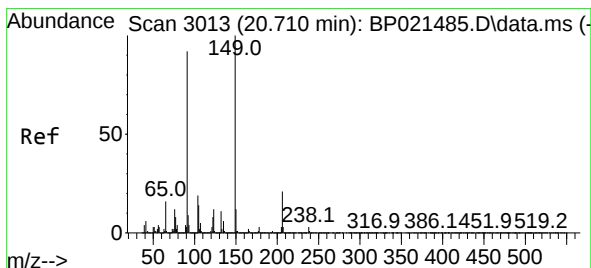
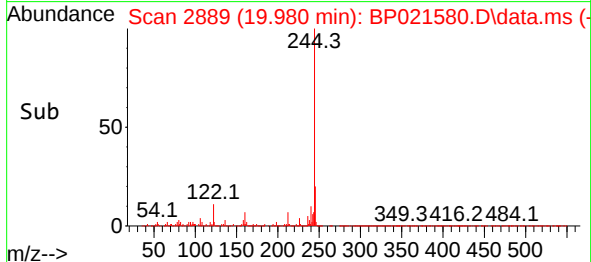
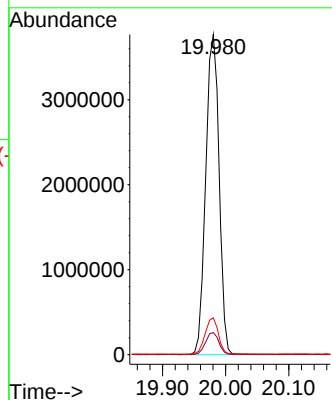
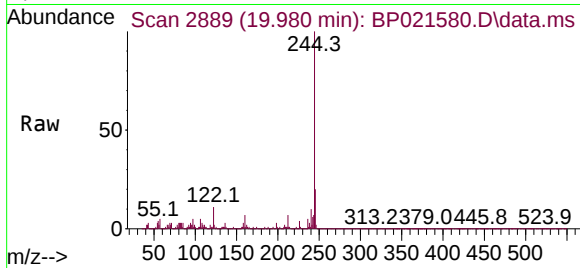




#79
 Terphenyl-d14
 Concen: 59.626 ng
 RT: 19.980 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BP021580.D
 Acq: 20 Aug 2024 20:17

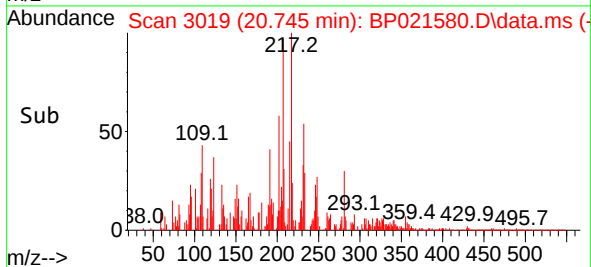
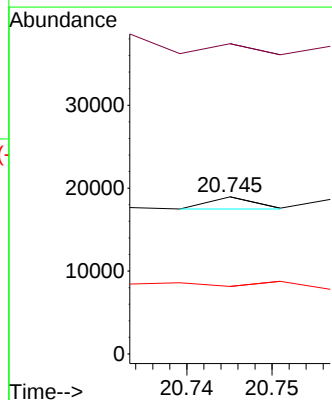
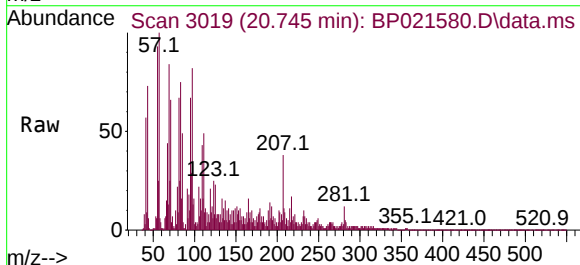
Instrument :
 BNA_P
 ClientSampleId :
 VCPS-B3-081324-10-18

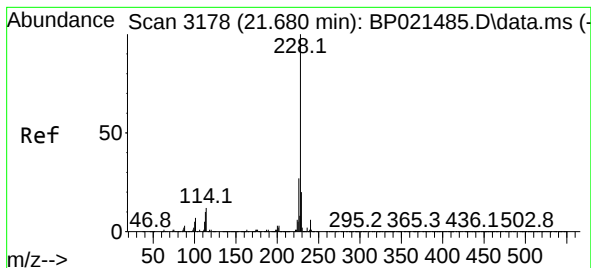
Tgt Ion:244 Resp: 5538703
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.5 9.4 14.2



#80
 Butylbenzylphthalate
 Concen: 3.614 ng
 RT: 20.745 min Scan# 3019
 Delta R.T. 0.035 min
 Lab File: BP021580.D
 Acq: 20 Aug 2024 20:17

Tgt Ion:149 Resp: 556
 Ion Ratio Lower Upper
 149 100
 91 197.6 73.3 109.9#
 206 43.0 17.1 25.7#





#81

Benzo(a)anthracene

Concen: 4.242 ng

RT: 21.704 min Scan# 3182

Delta R.T. 0.023 min

Lab File: BP021580.D

Acq: 20 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

VCPS-B3-081324-10-18

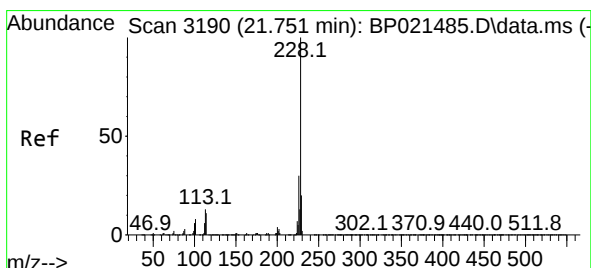
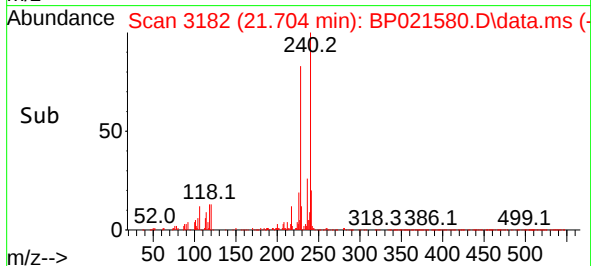
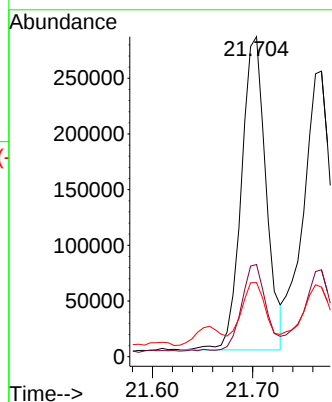
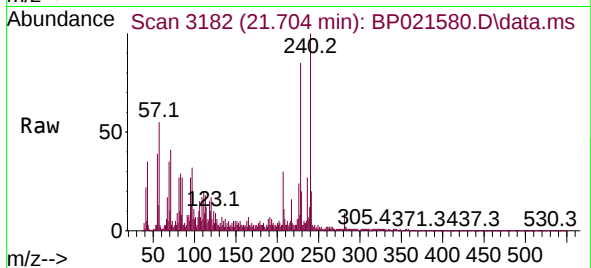
Tgt Ion:228 Resp: 480547

Ion Ratio Lower Upper

228 100

226 28.8 21.4 32.2

229 23.1 15.8 23.6



#83

Chrysene

Concen: 4.493 ng

RT: 21.704 min Scan# 3182

Delta R.T. -0.047 min

Lab File: BP021580.D

Acq: 20 Aug 2024 20:17

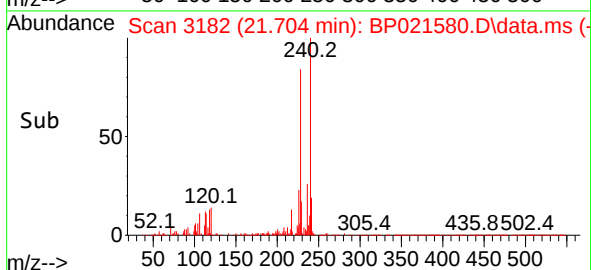
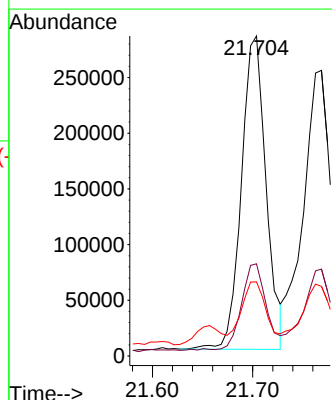
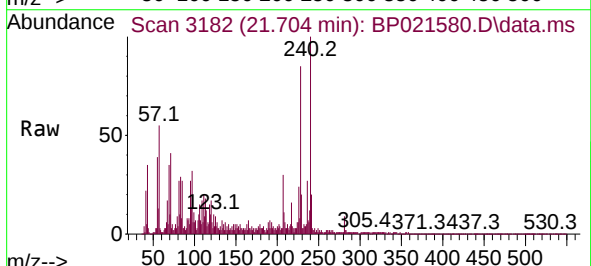
Tgt Ion:228 Resp: 480616

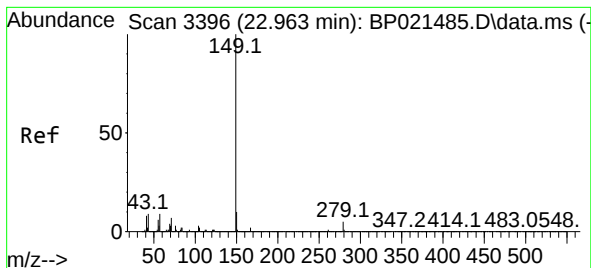
Ion Ratio Lower Upper

228 100

226 28.8 23.9 35.9

229 23.1 15.8 23.6





#85

Di-n-octyl phthalate

Concen: 4.862 ng

RT: 22.939 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP021580.D

Acq: 20 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

VCPS-B3-081324-10-18

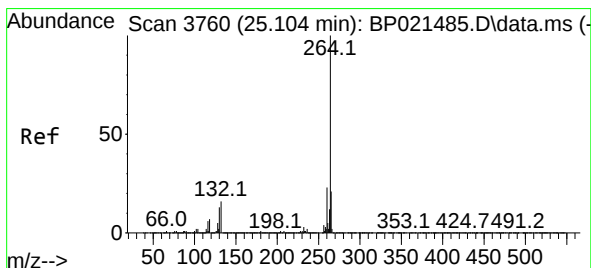
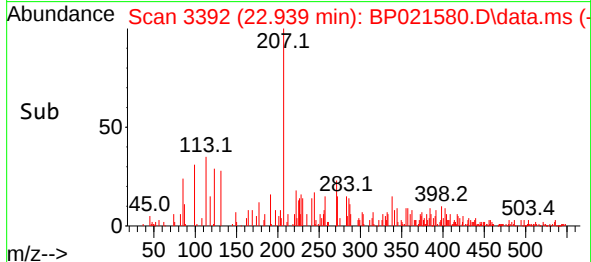
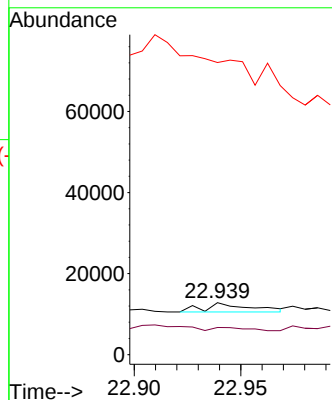
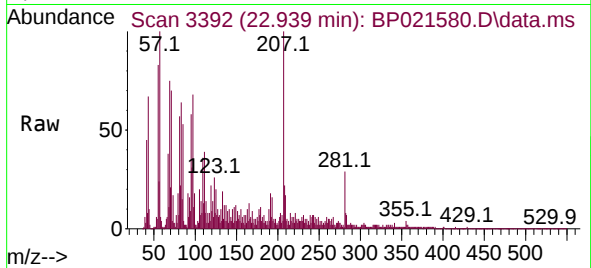
Tgt Ion:149 Resp: 3352

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.168 min Scan# 3771

Delta R.T. 0.065 min

Lab File: BP021580.D

Acq: 20 Aug 2024 20:17

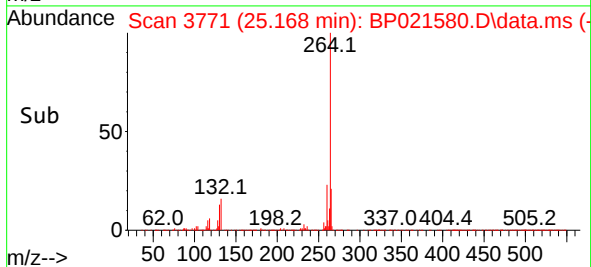
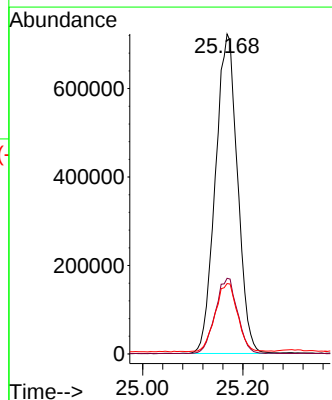
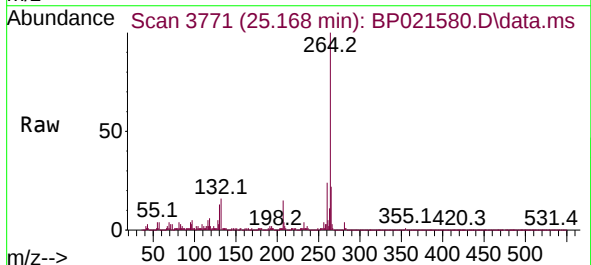
Tgt Ion:264 Resp: 2213566

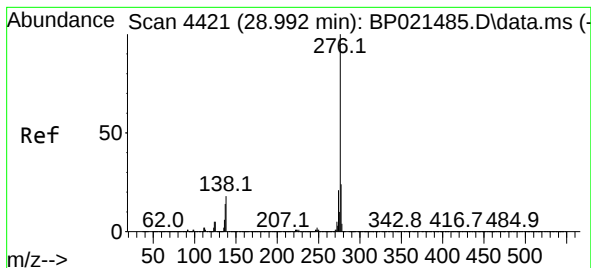
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.015 ng

RT: 29.062 min Scan# 4421

Delta R.T. 0.070 min

Lab File: BP021580.D

Acq: 20 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

VCPS-B3-081324-10-18

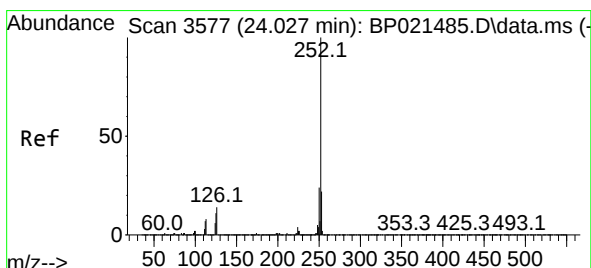
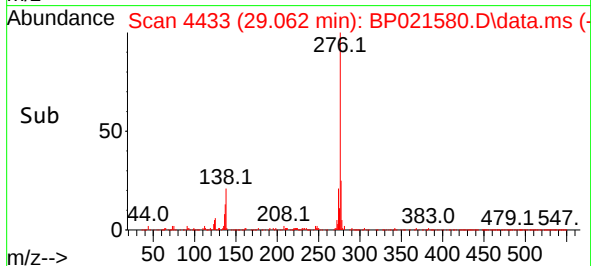
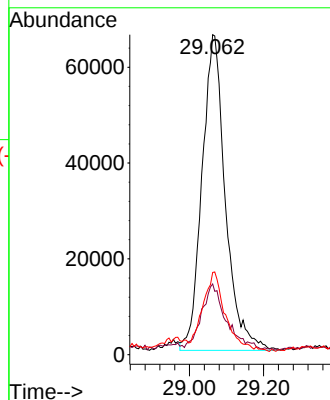
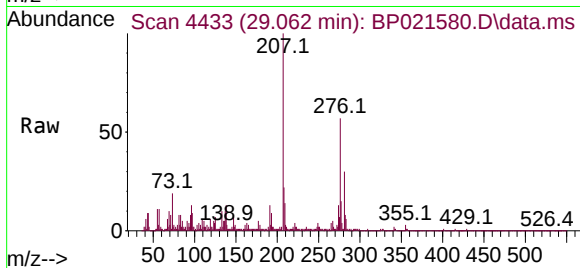
Tgt Ion:276 Resp: 289162

Ion Ratio Lower Upper

276 100

138 20.9 12.8 19.2#

277 22.7 16.5 24.7



#88

Benzo(b)fluoranthene

Concen: 4.690 ng

RT: 24.074 min Scan# 3585

Delta R.T. 0.047 min

Lab File: BP021580.D

Acq: 20 Aug 2024 20:17

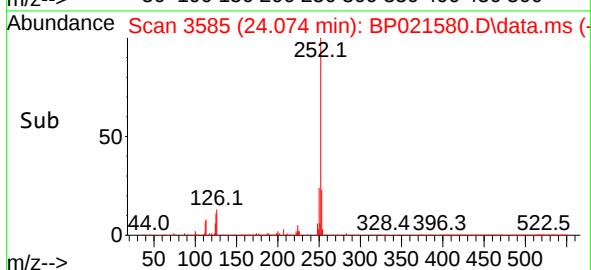
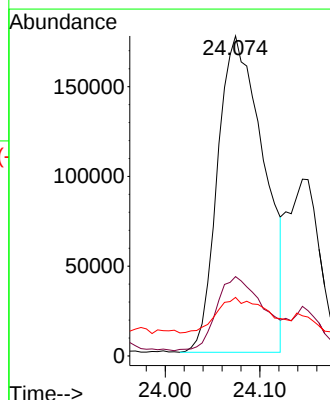
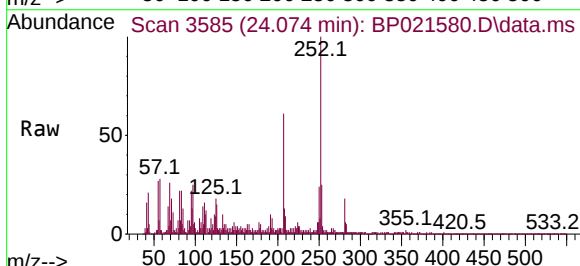
Tgt Ion:252 Resp: 596242

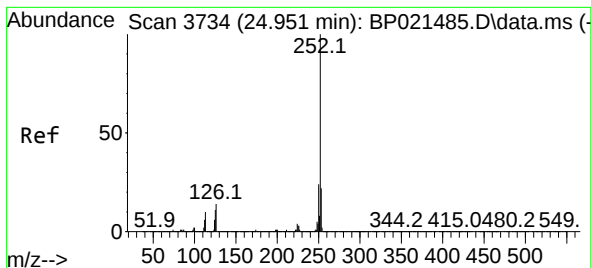
Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

125 18.3 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 4.069 ng

RT: 24.998 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP021580.D

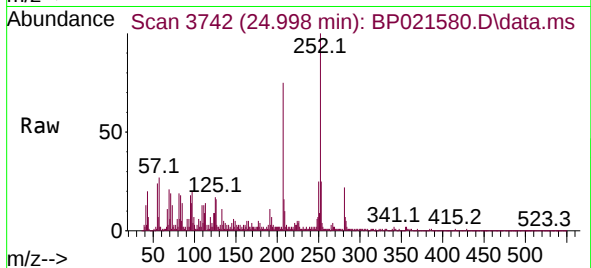
Acq: 20 Aug 2024 20:17

Instrument :

BNA_P

ClientSampleId :

VCPS-B3-081324-10-18



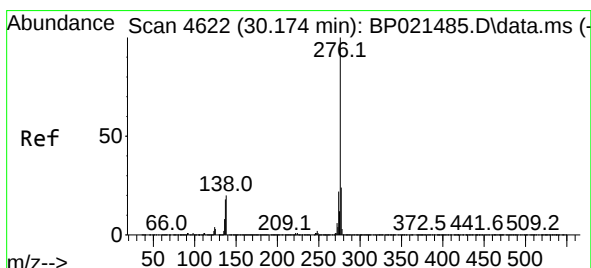
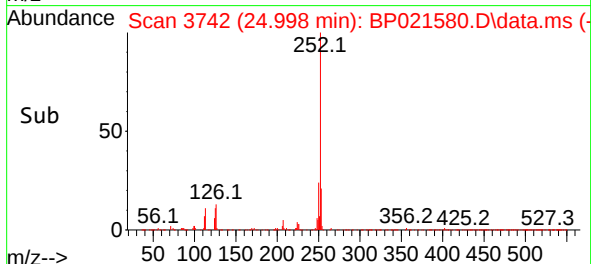
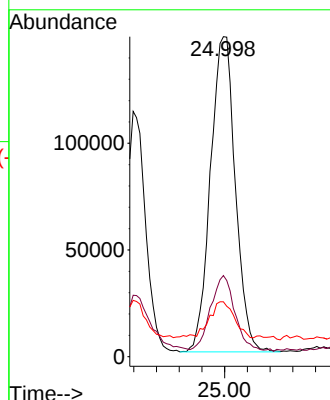
Tgt Ion:252 Resp: 448905

Ion Ratio Lower Upper

252 100

253 25.4 17.7 26.5

125 17.1 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.314 ng

RT: 30.262 min Scan# 4637

Delta R.T. 0.088 min

Lab File: BP021580.D

Acq: 20 Aug 2024 20:17

Tgt Ion:276 Resp: 276483

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.6

138 21.2 16.0 24.0

