

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021534.D
 Acq On : 16 Aug 2024 10:59
 Operator : RC/JU
 Sample : P3518-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-01-080724RE

Quant Time: Aug 16 11:59:12 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)

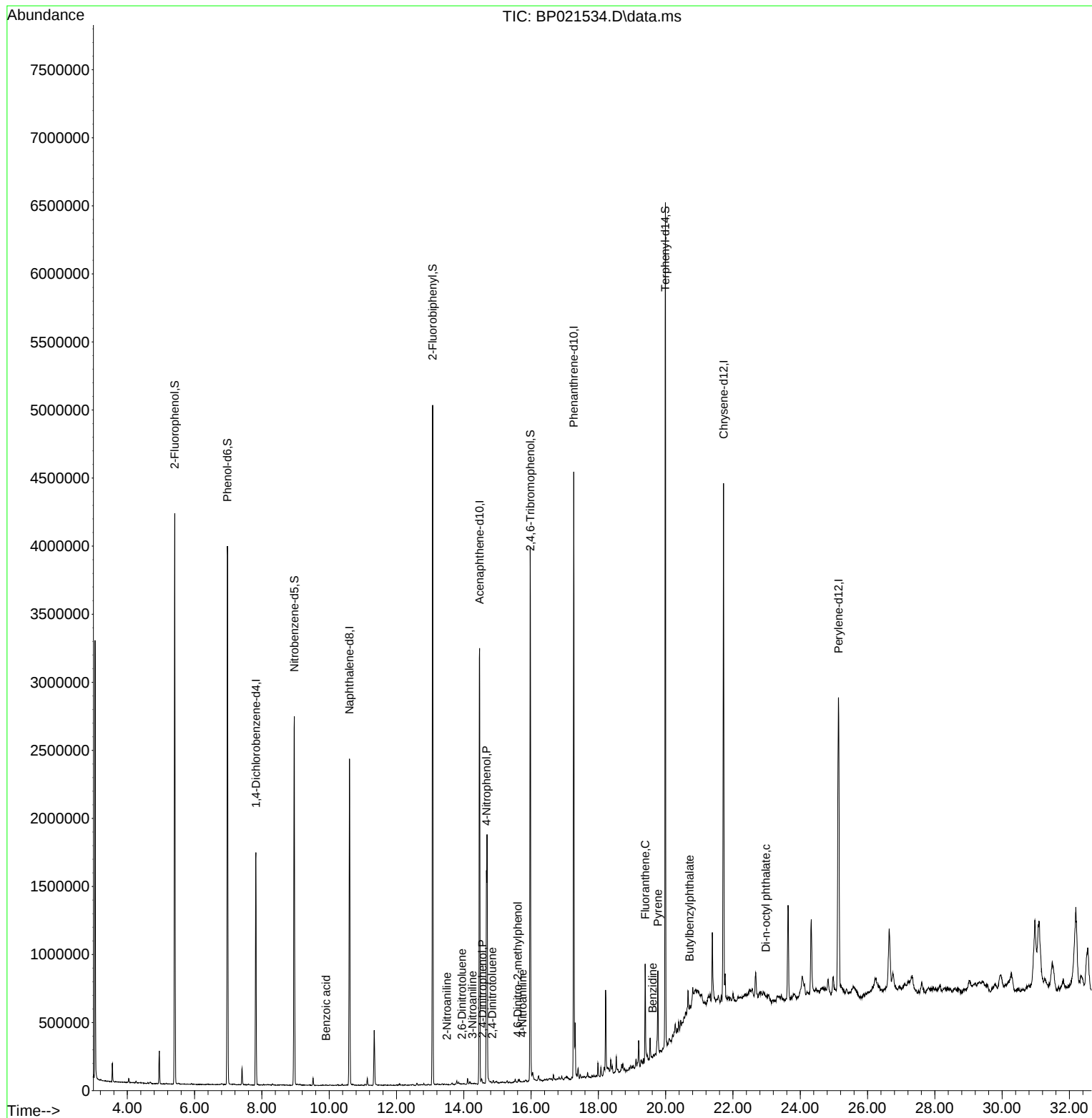
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	453420	20.000	ng	0.01
21) Naphthalene-d8	10.604	136	1930500	20.000	ng	0.00
39) Acenaphthene-d10	14.469	164	1213530	20.000	ng	0.01
64) Phenanthrene-d10	17.269	188	2352082	20.000	ng	0.02
76) Chrysene-d12	21.721	240	1990799	20.000	ng	0.02
86) Perylene-d12	25.139	264	2355058	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	1846623	60.473	ng	0.02
7) Phenol-d6	6.975	99	2612195	58.641	ng	0.01
23) Nitrobenzene-d5	8.963	82	1638951	43.820	ng	0.01
42) 2,4,6-Tribromophenol	15.981	330	796540	58.976	ng	0.01
45) 2-Fluorobiphenyl	13.075	172	2490324	31.319	ng	0.01
79) Terphenyl-d14	19.992	244	2947460	28.763	ng	0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	9.710	139	24	Below Cal	#	1
32) Benzoic acid	9.910	122	128	3.331 ng	#	1
48) 2-Nitroaniline	13.504	65	131	5.153 ng	#	52
51) 2,6-Dinitrotoluene	13.945	165	176	3.995 ng		88
53) 3-Nitroaniline	14.263	138	193	3.980 ng	#	73
54) 2,4-Dinitrophenol	14.557	184	137	2.476 ng	#	1
56) 4-Nitrophenol	14.675	139	2028	5.219 ng	#	1
57) 2,4-Dinitrotoluene	14.845	165	103	5.027 ng	#	51
62) 4-Nitroaniline	15.745	138	572	2.967 ng		89
65) 4,6-Dinitro-2-methylph...	15.604	198	157	4.635 ng	#	1
75) Fluoranthene	19.392	202	358610	2.584 ng		100
77) Benzidine	19.616	184	332	4.578 ng	#	1
78) Pyrene	19.769	202	343687	2.641 ng		100
80) Butylbenzylphthalate	20.716	149	1926	3.639 ng	#	48
85) Di-n-octyl phthalate	22.980	149	1055	4.844 ng	#	1

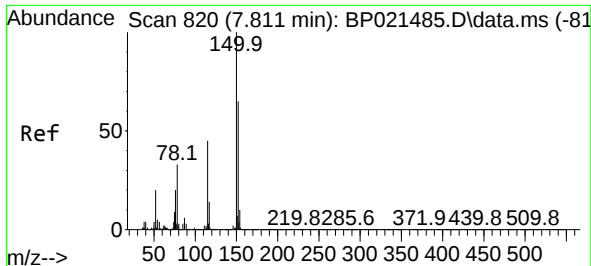
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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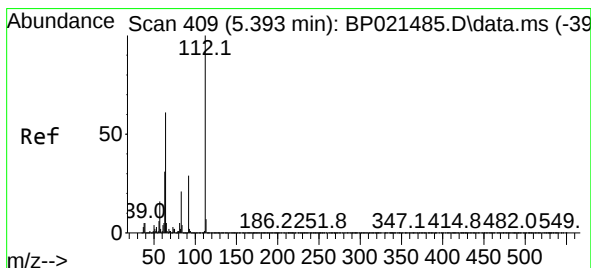
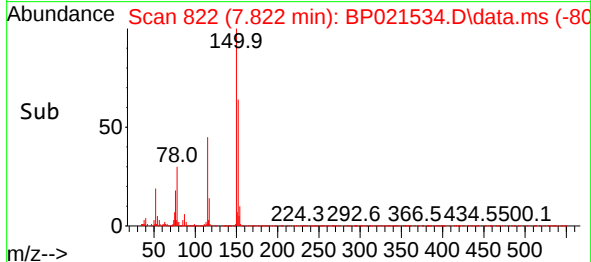
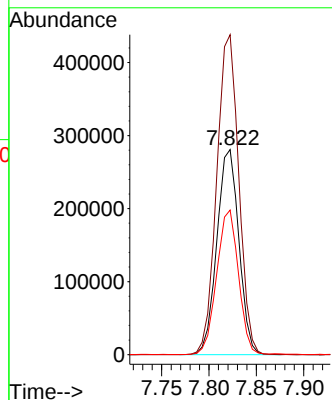
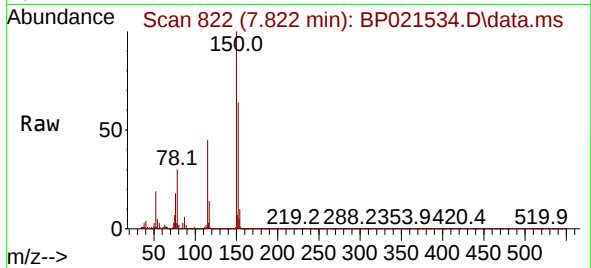




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. 0.011 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

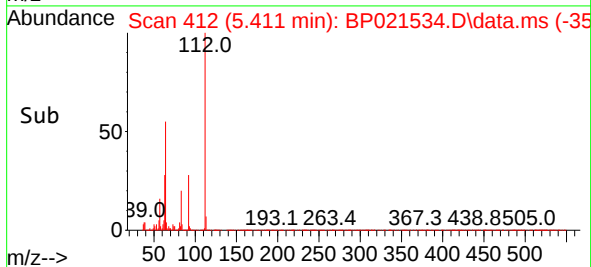
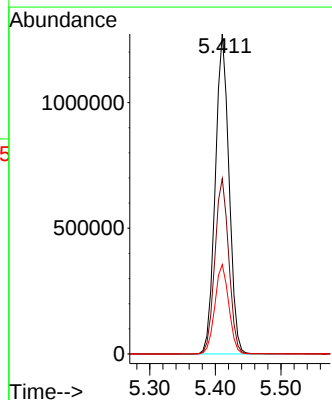
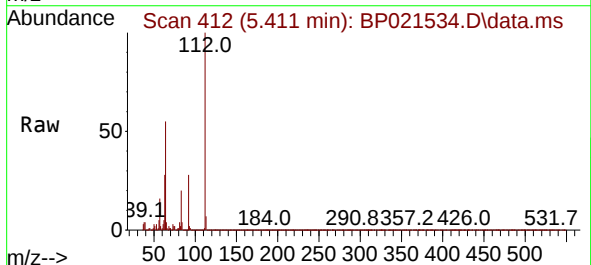
Instrument :
BNA_P
ClientSampleId :
OU4-TS-01-080724RE

Tgt Ion:152 Resp: 453420
Ion Ratio Lower Upper
152 100
150 156.0 122.4 183.6
115 70.5 54.7 82.1



#5
2-Fluorophenol
Concen: 60.473 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

Tgt Ion:112 Resp: 1846623
Ion Ratio Lower Upper
112 100
64 54.8 49.0 73.6
63 27.9 24.6 36.8

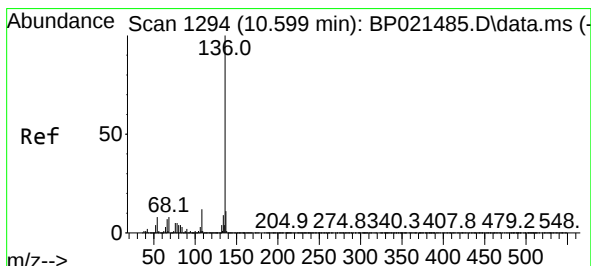
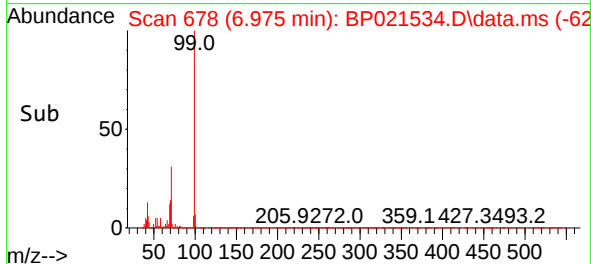
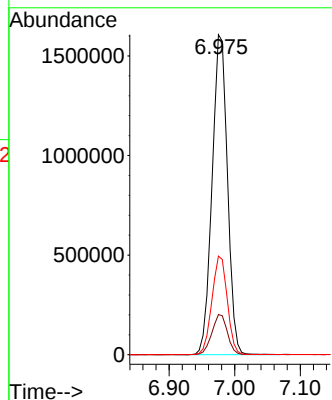
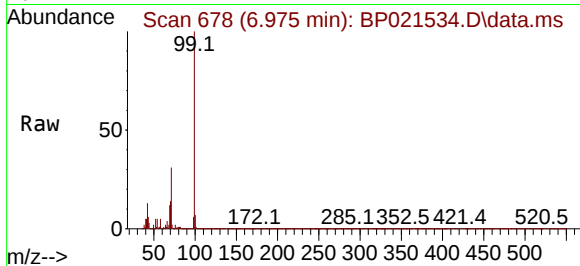




#7
Phenol-d6
Concen: 58.641 ng
RT: 6.975 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

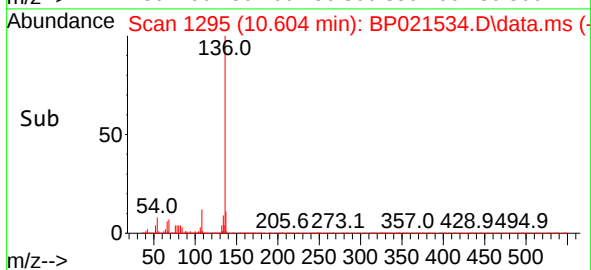
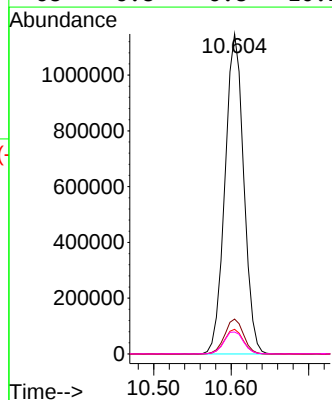
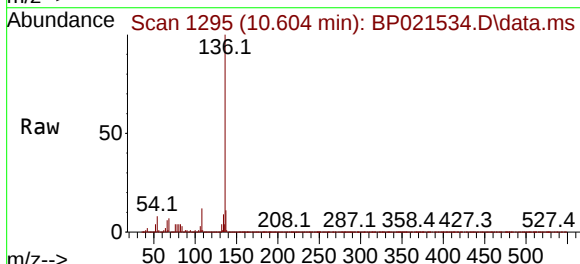
Instrument :
BNA_P
ClientSampleId :
OU4-TS-01-080724RE

Tgt Ion: 99 Resp: 2612195
Ion Ratio Lower Upper
99 100
42 12.6 10.2 15.4
71 30.8 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.005 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

Tgt Ion:136 Resp: 1930500
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 6.3 9.5
68 6.8 6.8 10.2

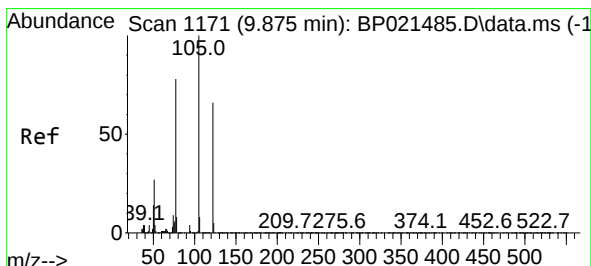
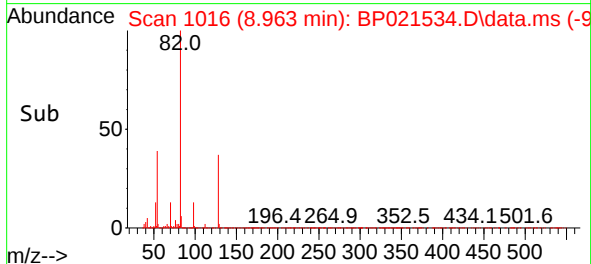
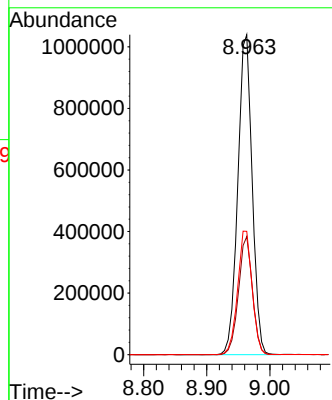
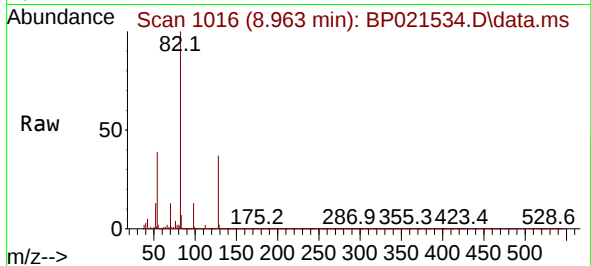




#23
Nitrobenzene-d5
Concen: 43.820 ng
RT: 8.963 min Scan# 1014
Delta R.T. 0.012 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

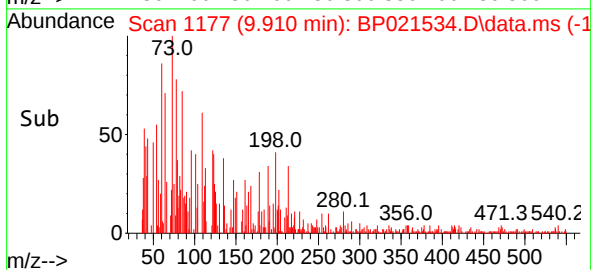
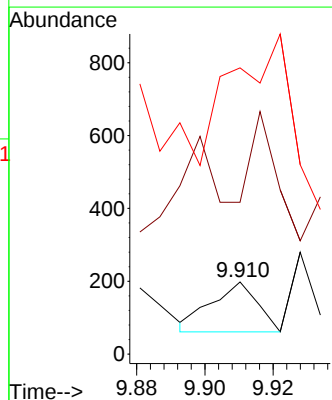
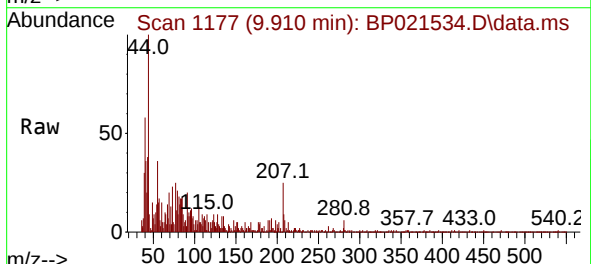
Instrument :
BNA_P
ClientSampleId :
OU4-TS-01-080724RE

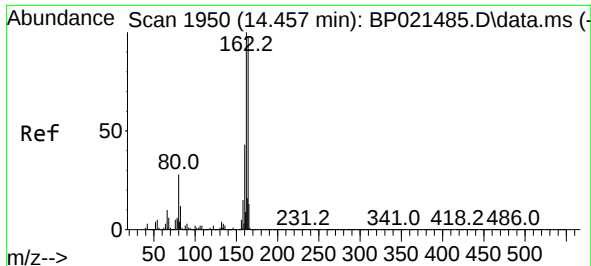
Tgt Ion: 82 Resp: 1638951
Ion Ratio Lower Upper
82 100
128 36.9 26.5 39.7
54 38.5 30.3 45.5



#32
Benzoic acid
Concen: 3.331 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.035 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

Tgt Ion: 122 Resp: 128
Ion Ratio Lower Upper
122 100
105 210.6 124.6 164.6#
77 397.0 96.2 136.2#

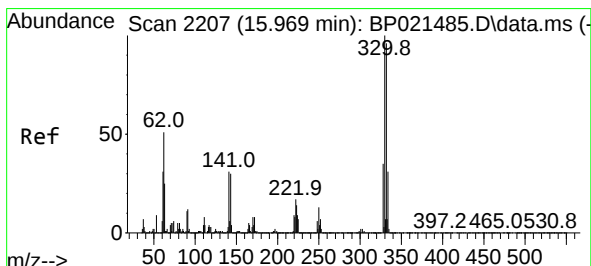
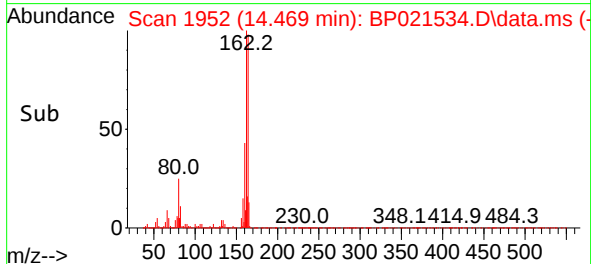
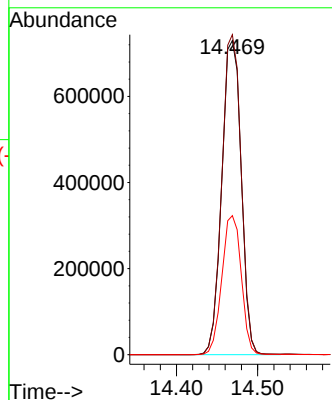
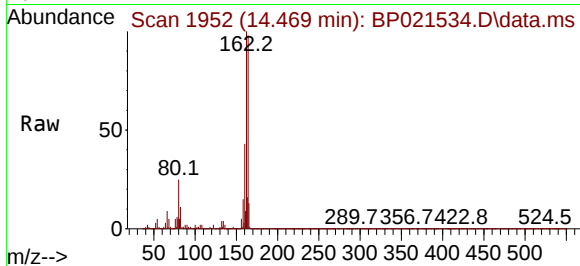




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1952
Delta R.T. 0.012 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

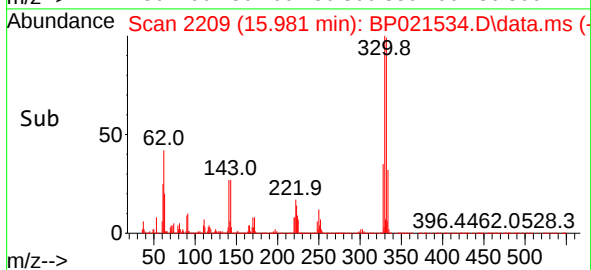
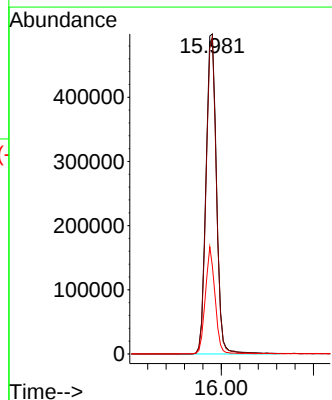
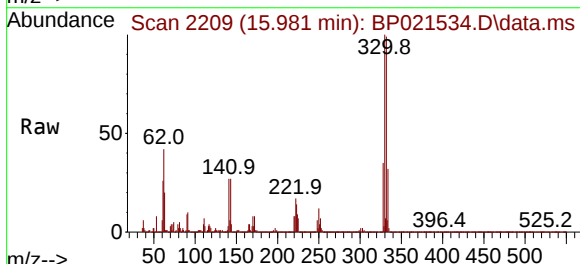
Instrument :
BNA_P
ClientSampleId :
OU4-TS-01-080724RE

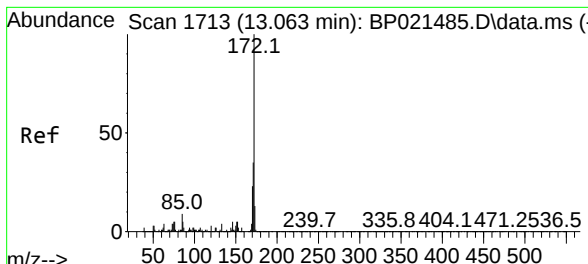
Tgt Ion:164 Resp: 1213530
Ion Ratio Lower Upper
164 100
162 101.9 81.5 122.3
160 44.3 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 58.976 ng
RT: 15.981 min Scan# 2209
Delta R.T. 0.012 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

Tgt Ion:330 Resp: 796540
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 30.8 24.5 36.7



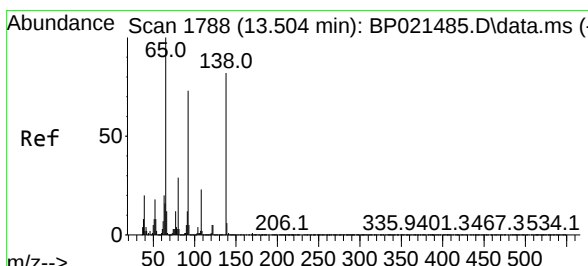
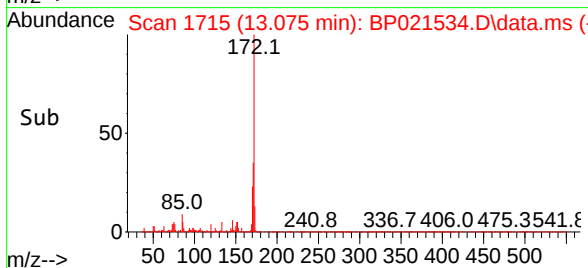
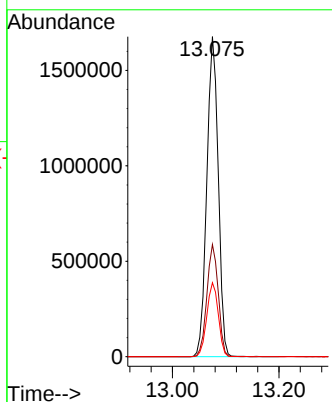
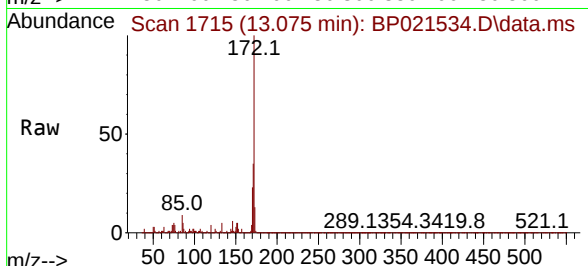


#45
2-Fluorobiphenyl
Concen: 31.319 ng
RT: 13.075 min Scan# 1713
Delta R.T. 0.012 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

Instrument :
BNA_P
ClientSampleId :
OU4-TS-01-080724RE

Tgt Ion:172 Resp: 2490324

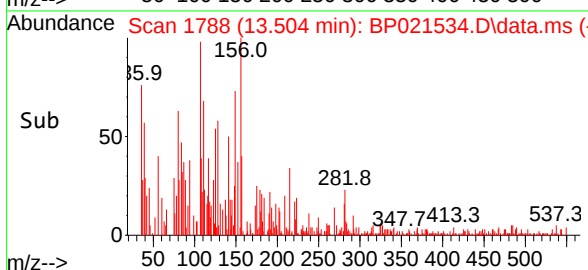
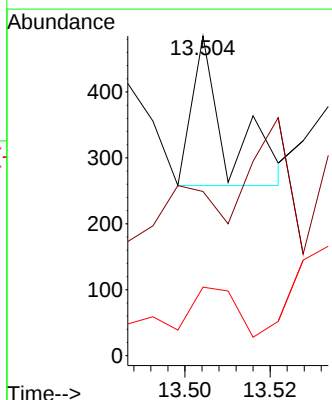
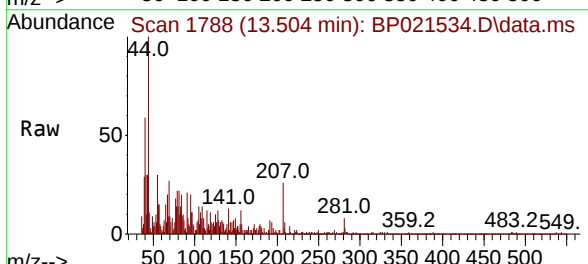
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.1	18.4	27.6

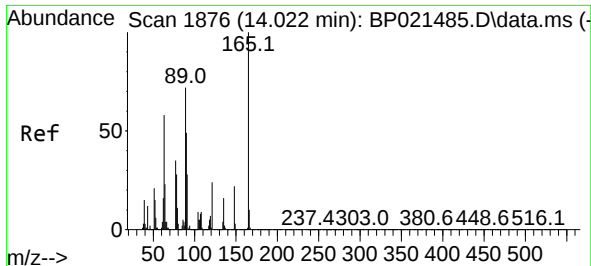


#48
2-Nitroaniline
Concen: 5.153 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

Tgt Ion: 65 Resp: 131

Ion	Ratio	Lower	Upper
65	100		
92	51.3	58.1	87.1#
138	21.4	65.5	98.3#

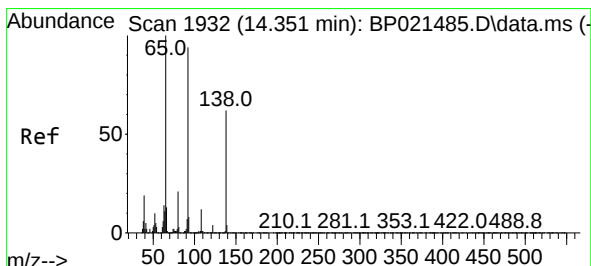
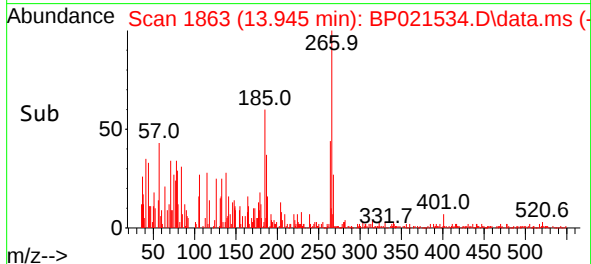
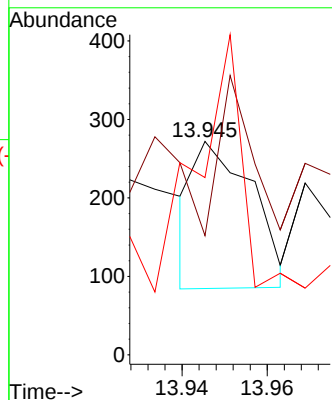
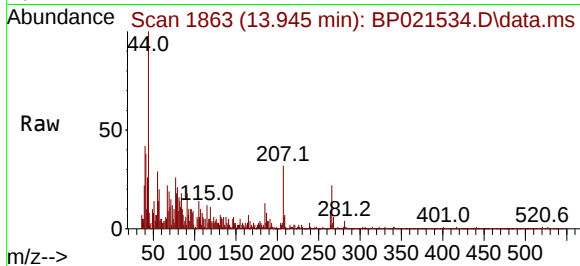




#51
2,6-Dinitrotoluene
Concen: 3.995 ng
RT: 13.945 min Scan# 11
Delta R.T. -0.077 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

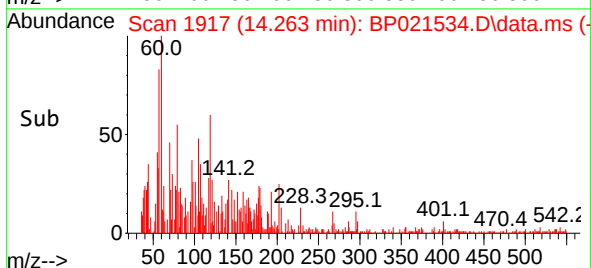
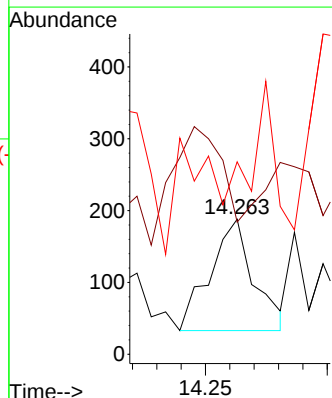
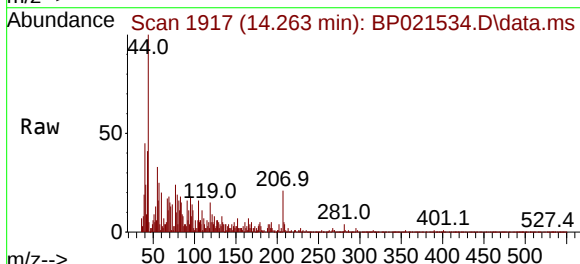
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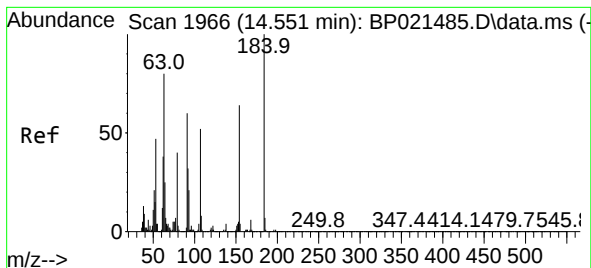
Tgt Ion:165 Resp: 176
Ion Ratio Lower Upper
165 100
63 55.9 51.5 77.3
89 83.1 57.8 86.8



#53
3-Nitroaniline
Concen: 3.980 ng
RT: 14.263 min Scan# 1917
Delta R.T. -0.088 min
Lab File: BP021534.D
Acq: 16 Aug 2024 10:59

Tgt Ion:138 Resp: 193
Ion Ratio Lower Upper
138 100
108 97.9 16.2 24.4#
92 142.6 122.2 183.4





#54

2,4-Dinitrophenol

Concen: 2.476 ng

RT: 14.557 min Scan# 1966

Delta R.T. 0.006 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-01-080724RE

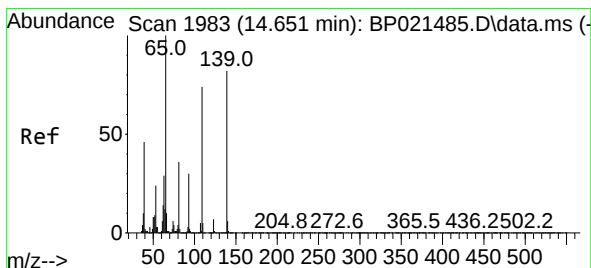
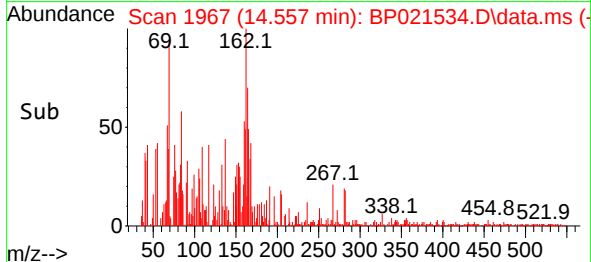
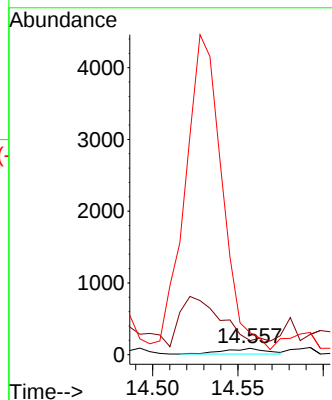
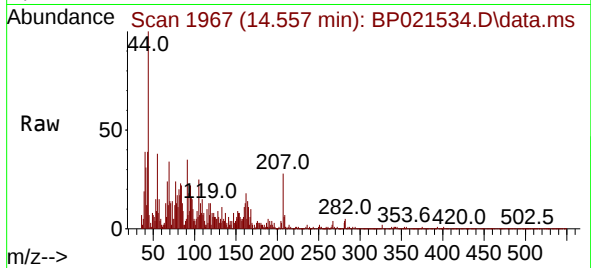
Tgt Ion:184 Resp: 137

Ion Ratio Lower Upper

184 100

63 221.3 64.9 97.3#

154 343.8 52.1 78.1#



#56

4-Nitrophenol

Concen: 5.219 ng

RT: 14.675 min Scan# 1987

Delta R.T. 0.024 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

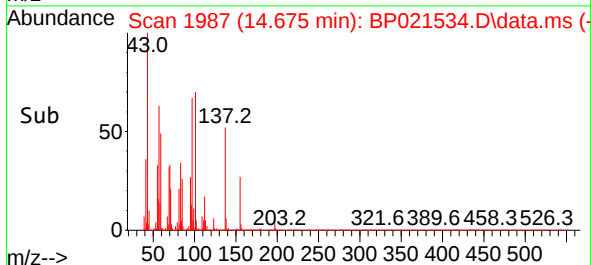
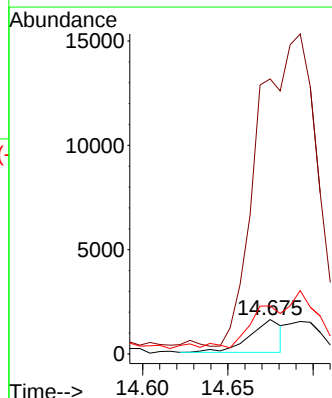
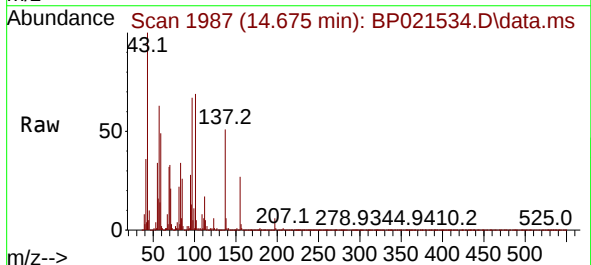
Tgt Ion:139 Resp: 2028

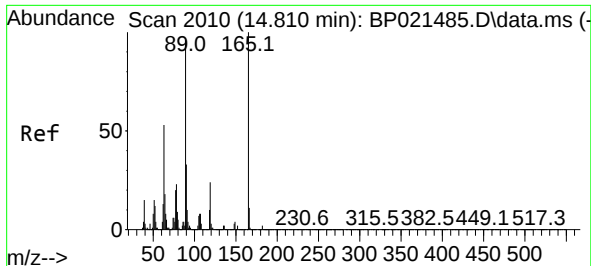
Ion Ratio Lower Upper

139 100

109 800.2 70.2 110.2#

65 139.4 101.8 141.8





#57

2,4-Dinitrotoluene

Concen: 5.027 ng

RT: 14.845 min Scan# 2010

Delta R.T. 0.035 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-01-080724RE

Tgt Ion:165 Resp: 103

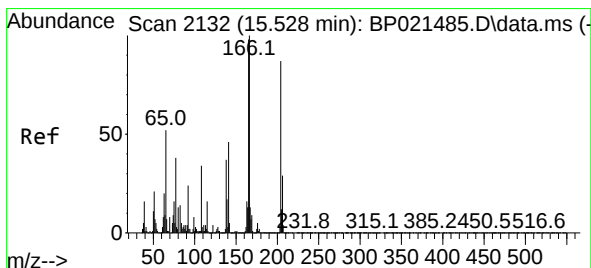
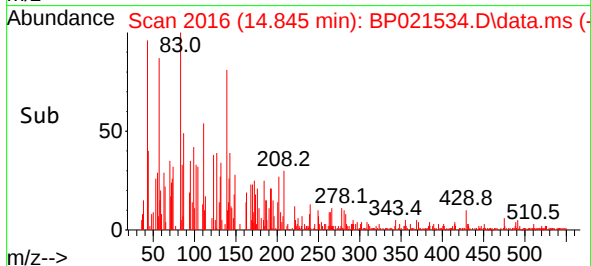
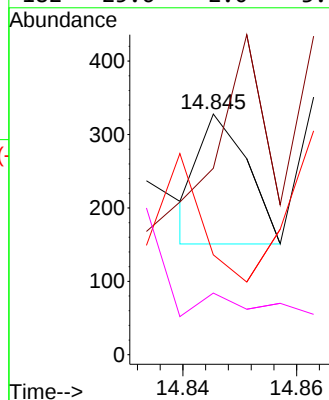
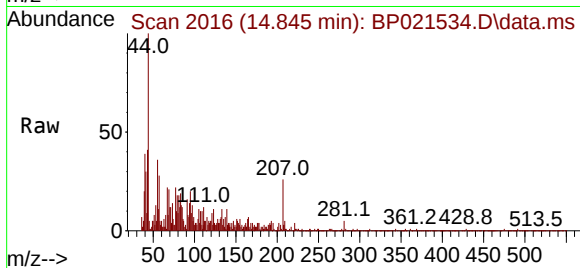
Ion Ratio Lower Upper

165 100

63 77.4 42.5 63.7#

89 41.5 77.1 115.7#

182 25.6 2.0 3.0#



#62

4-Nitroaniline

Concen: 2.967 ng

RT: 15.745 min Scan# 2169

Delta R.T. 0.217 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

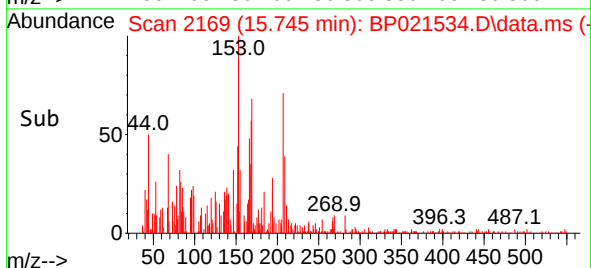
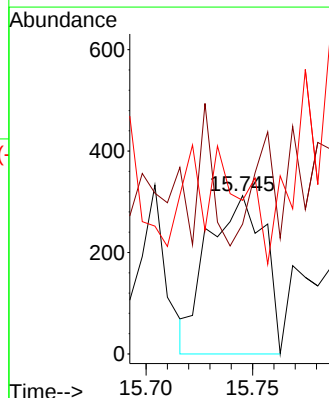
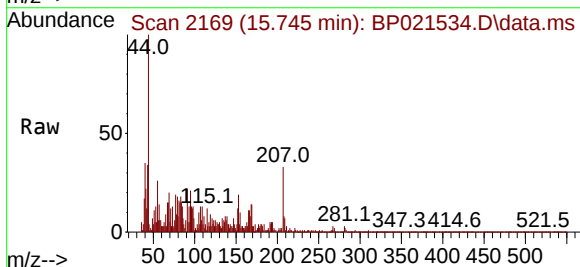
Tgt Ion:138 Resp: 572

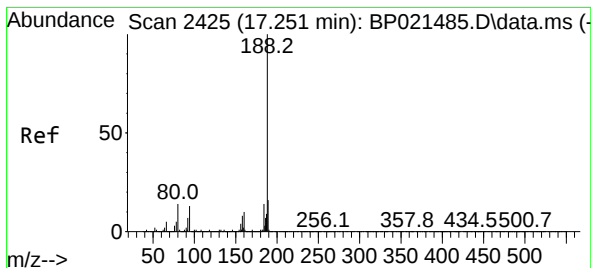
Ion Ratio Lower Upper

138 100

92 82.1 46.4 86.4

108 97.1 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.269 min Scan# 2425

Delta R.T. 0.018 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-01-080724RE

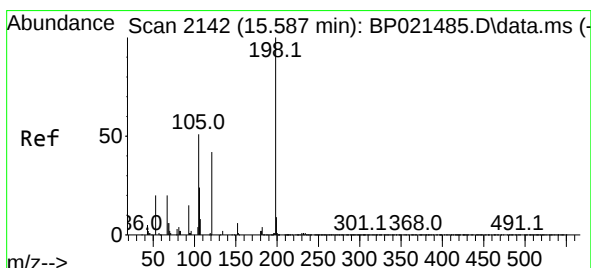
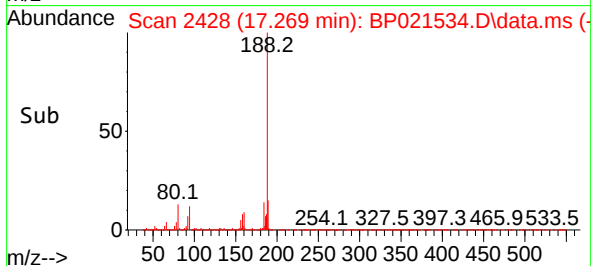
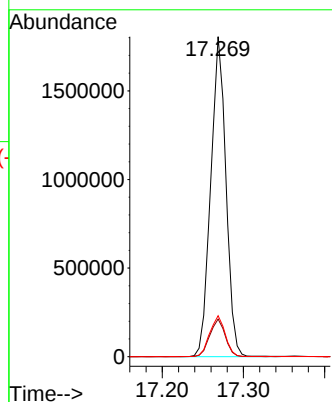
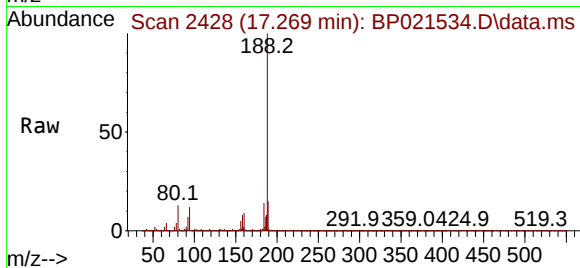
Tgt Ion:188 Resp: 2352082

Ion Ratio Lower Upper

188 100

94 11.7 10.2 15.4

80 12.8 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.635 ng

RT: 15.604 min Scan# 2145

Delta R.T. 0.017 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

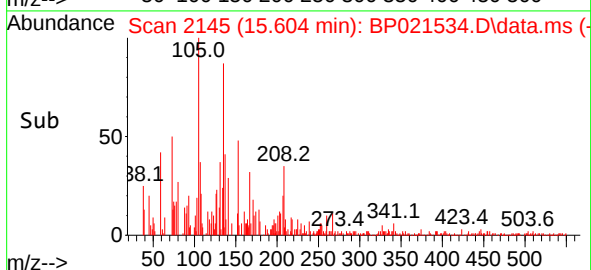
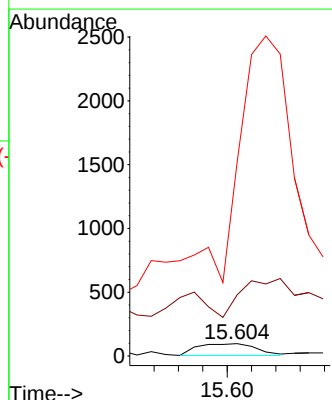
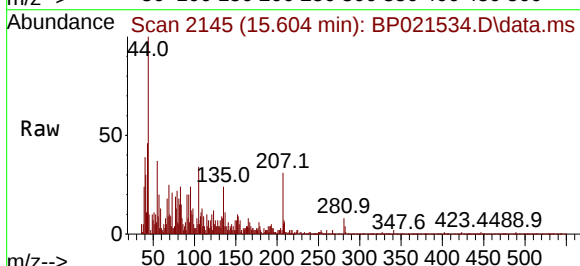
Tgt Ion:198 Resp: 157

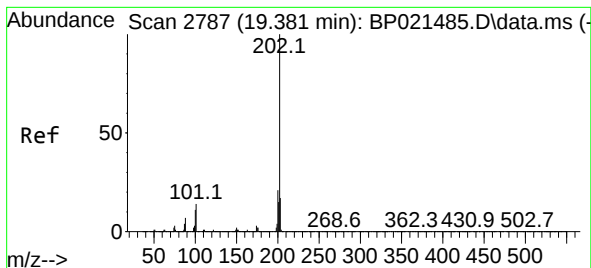
Ion Ratio Lower Upper

198 100

51 494.8 21.5 61.5#

105 1568.0 32.9 72.9#





#75

Fluoranthene

Concen: 2.584 ng

RT: 19.392 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-01-080724RE

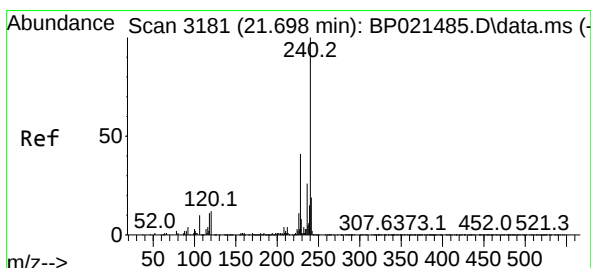
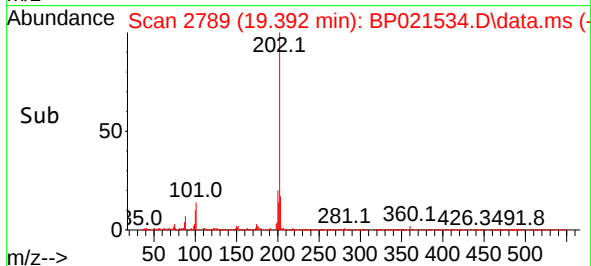
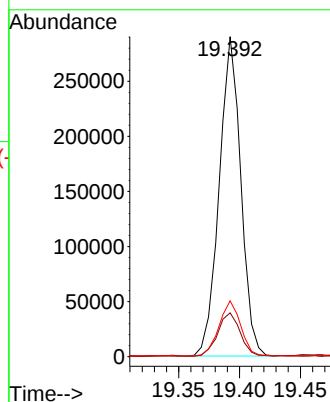
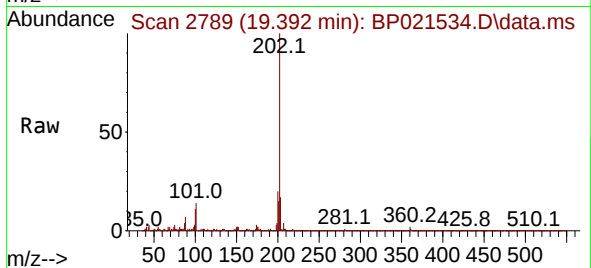
Tgt Ion:202 Resp: 358610

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.0

203 17.4 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: BP021534.D

Acq: 16 Aug 2024 10:59

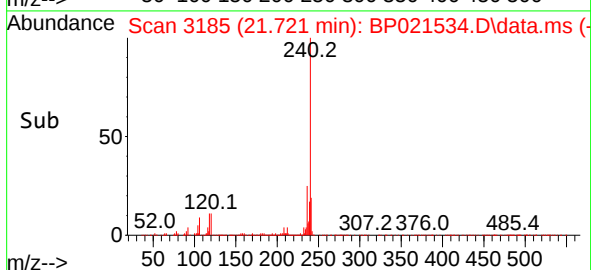
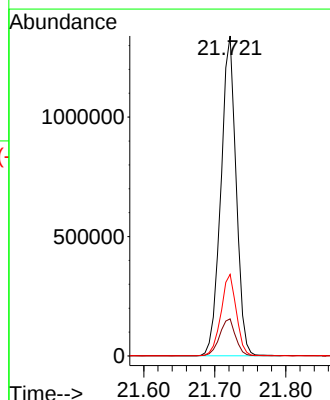
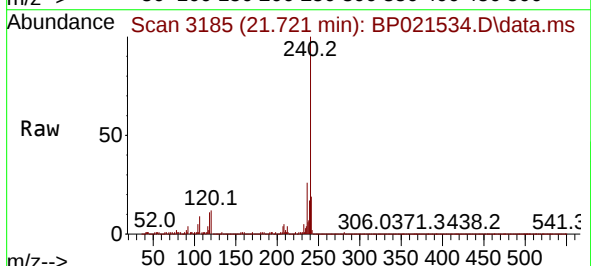
Tgt Ion:240 Resp: 1990799

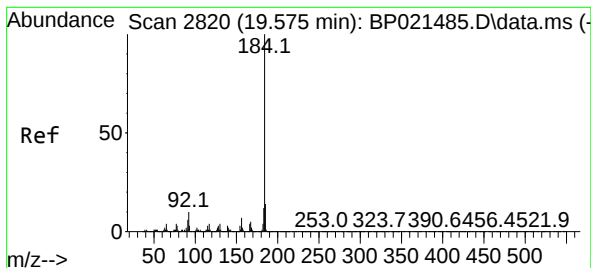
Ion Ratio Lower Upper

240 100

120 11.6 9.9 14.9

236 25.5 20.6 30.8





#77

Benzidine

Concen: 4.578 ng

RT: 19.616 min Scan# 2827

Delta R.T. 0.041 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-01-080724RE

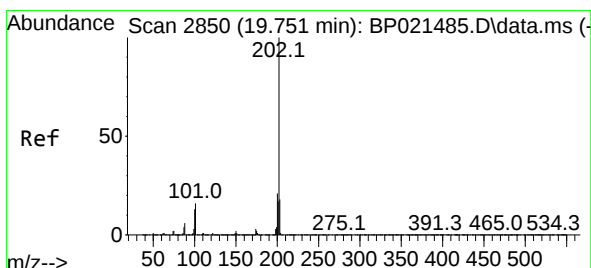
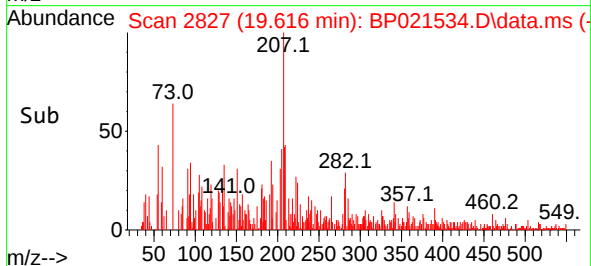
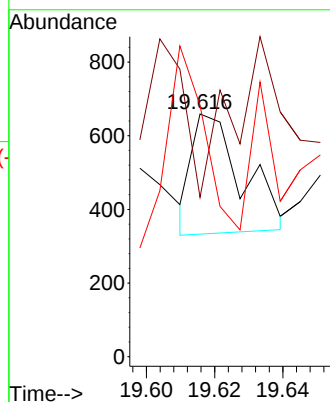
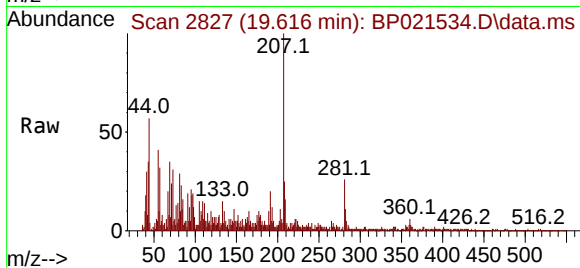
Tgt Ion:184 Resp: 332

Ion Ratio Lower Upper

184 100

185 65.7 11.4 17.0#

183 103.5 9.3 13.9#



#78

Pyrene

Concen: 2.641 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.018 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

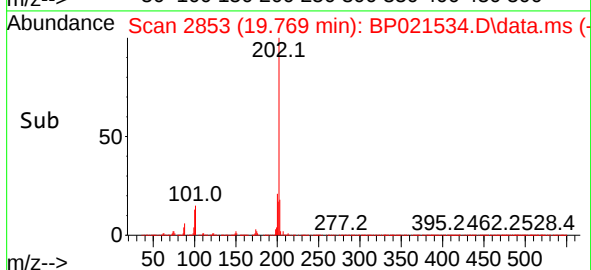
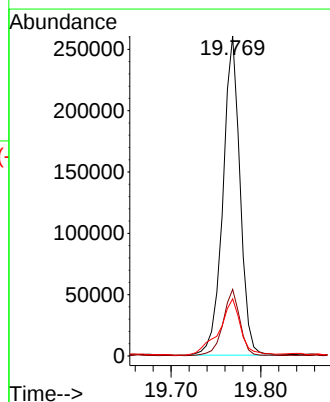
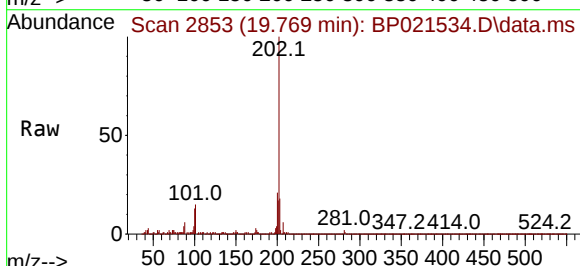
Tgt Ion:202 Resp: 343687

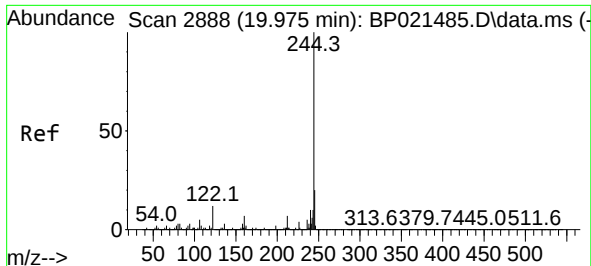
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.9 14.1 21.1

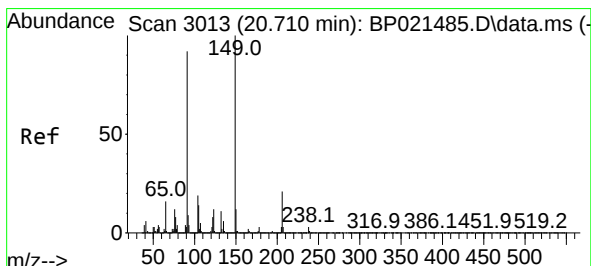
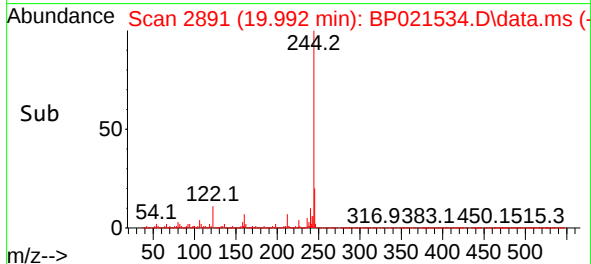
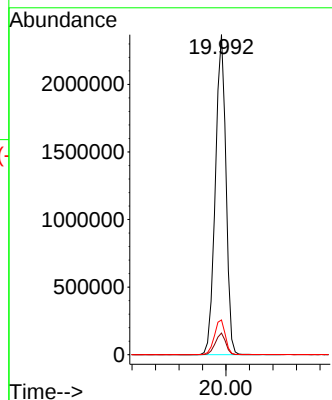
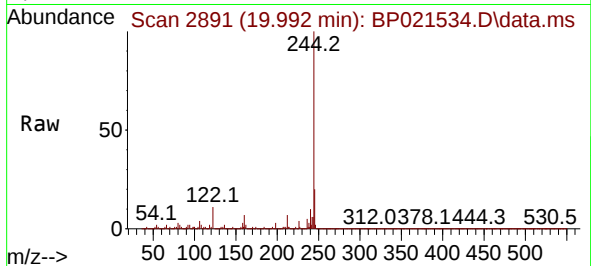




#79
 Terphenyl-d14
 Concen: 28.763 ng
 RT: 19.992 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: BP021534.D
 Acq: 16 Aug 2024 10:59

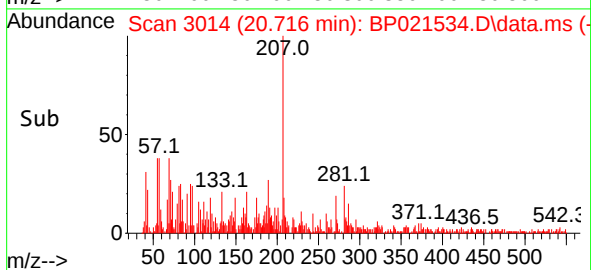
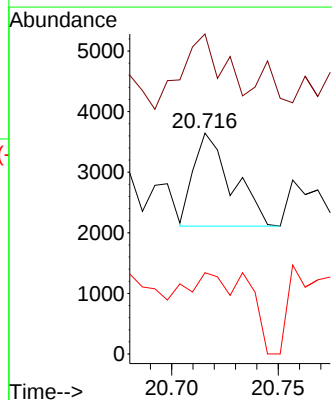
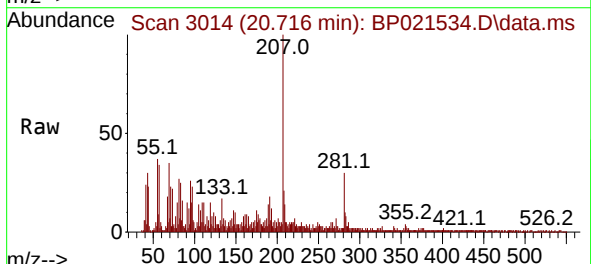
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-01-080724RE

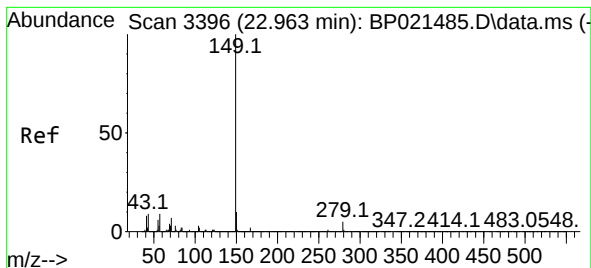
Tgt Ion:244 Resp: 2947460
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.9 9.4 14.2



#80
 Butylbenzylphthalate
 Concen: 3.639 ng
 RT: 20.716 min Scan# 3014
 Delta R.T. 0.006 min
 Lab File: BP021534.D
 Acq: 16 Aug 2024 10:59

Tgt Ion:149 Resp: 1926
 Ion Ratio Lower Upper
 149 100
 91 144.9 73.3 109.9#
 206 36.8 17.1 25.7#





#85

Di-n-octyl phthalate

Concen: 4.844 ng

RT: 22.980 min Scan# 31

Delta R.T. 0.017 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-01-080724RE

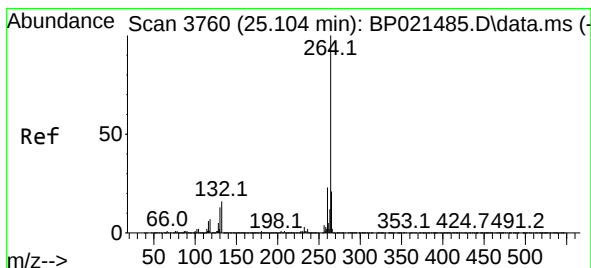
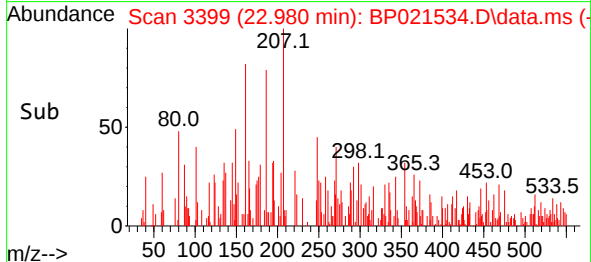
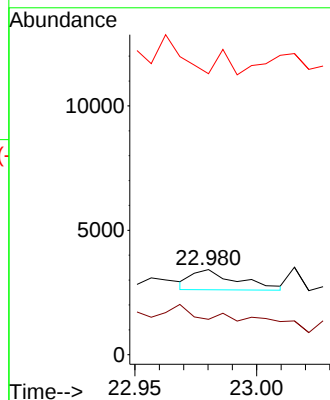
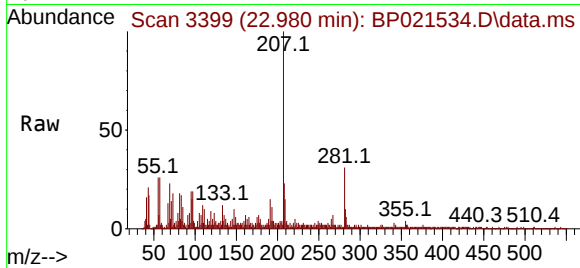
Tgt Ion:149 Resp: 1055

Ion Ratio Lower Upper

149 100

167 120.7 1.3 1.9#

43 301.6 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.139 min Scan# 3766

Delta R.T. 0.035 min

Lab File: BP021534.D

Acq: 16 Aug 2024 10:59

Tgt Ion:264 Resp: 2355058

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.7 17.1 25.7

