

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022823\
 Data File : BP013901.D
 Acq On : 28 Feb 2023 21:46
 Operator : CG/JU
 Sample : 01703-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 T2-STONE

Quant Time: Mar 01 03:49:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 16:57:00 2023
 Response via : Initial Calibration

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

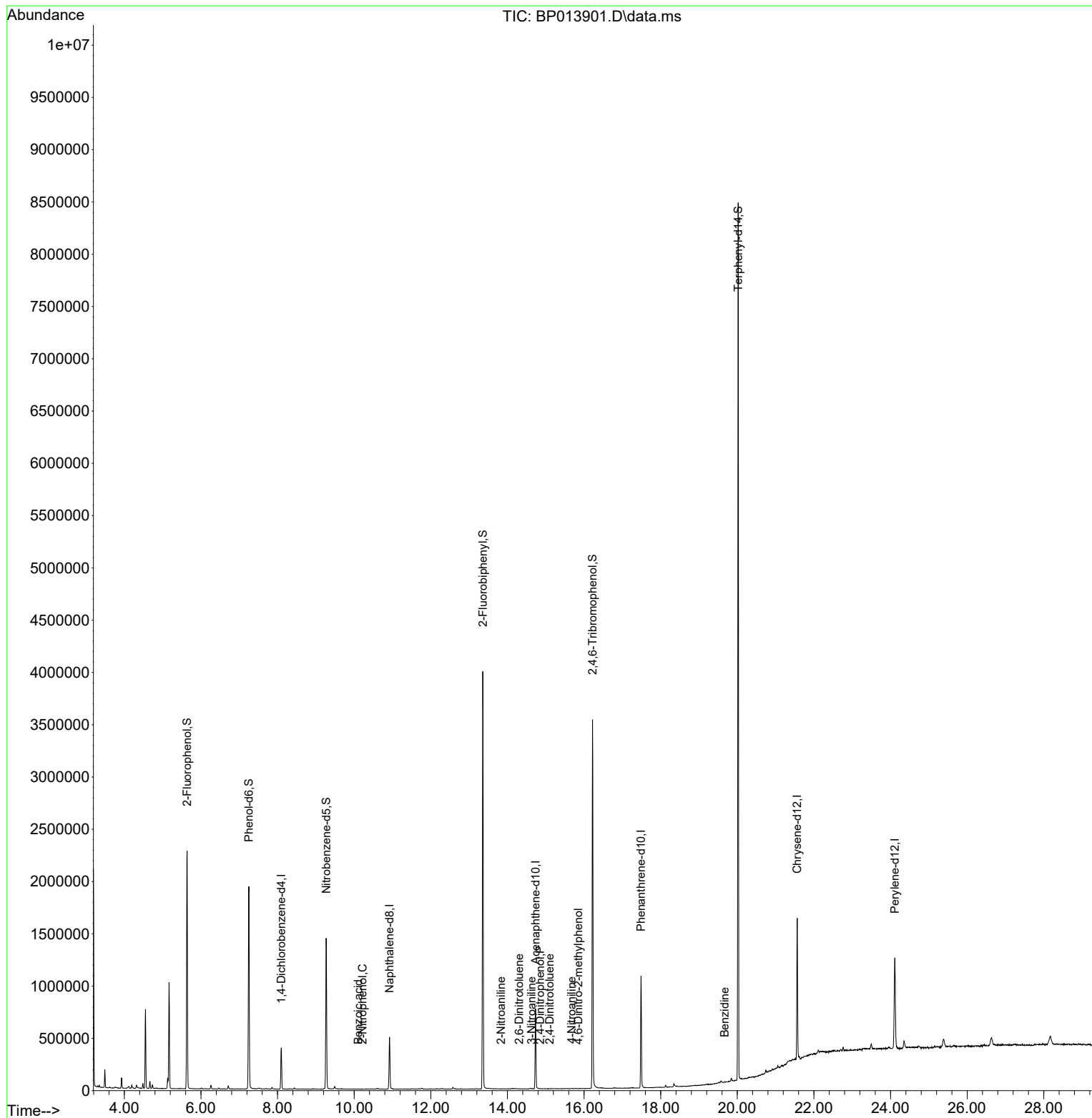
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.099	152	106816	20.000	ng	0.00
21) Naphthalene-d8	10.922	136	395737	20.000	ng	0.00
39) Acenaphthene-d10	14.734	164	258244	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	641381	20.000	ng	0.00
76) Chrysene-d12	21.563	240	684428	20.000	ng	#-0.01
86) Perylene-d12	24.110	264	754779	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	943544	145.583	ng	0.00
7) Phenol-d6	7.252	99	1086292	130.870	ng	0.00
23) Nitrobenzene-d5	9.269	82	844041	115.173	ng	-0.01
42) 2,4,6-Tribromophenol	16.222	330	718190	191.050	ng	-0.01
45) 2-Fluorobiphenyl	13.357	172	1951347	99.248	ng	-0.01
79) Terphenyl-d14	20.022	244	3897548	109.564	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.216	139	40	2.779	ng	94
32) Benzoic acid	10.110	122	44	5.084	ng	# 1
48) 2-Nitroaniline	13.834	65	30	3.236	ng	# 20
51) 2,6-Dinitrotoluene	14.304	165	74	2.003	ng	# 70
53) 3-Nitroaniline	14.628	138	19	2.012	ng	# 1
54) 2,4-Dinitrophenol	14.851	184	11	5.265	ng	# 1
57) 2,4-Dinitrotoluene	15.098	165	78	2.293	ng	# 89
62) 4-Nitroaniline	15.675	138	38	2.554	ng	83
65) 4,6-Dinitro-2-methylph...	15.851	198	26	4.629	ng	# 1
77) Benzidine	19.669	184	153	2.293	ng	# 5

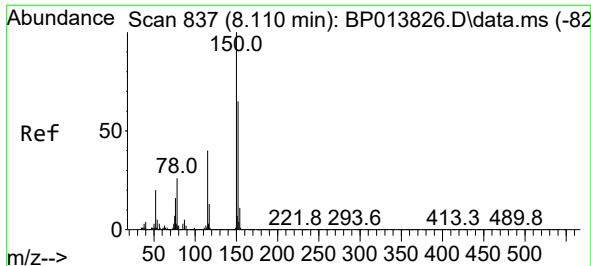
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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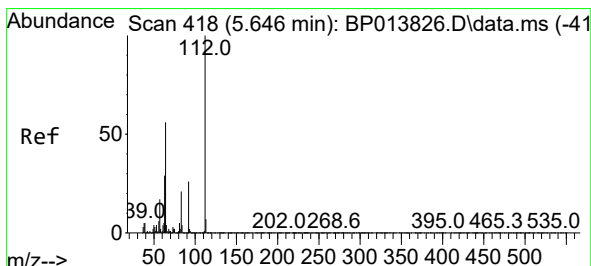
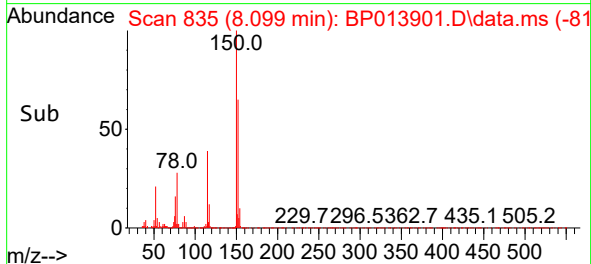
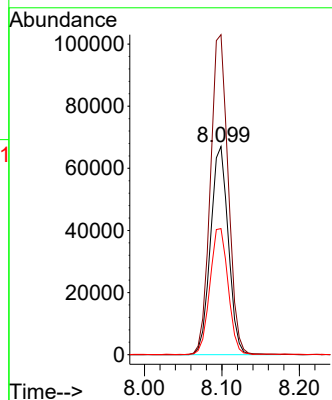
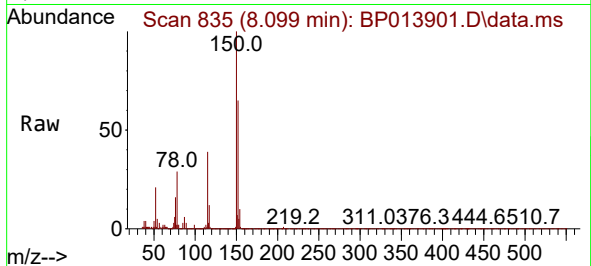




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.099 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

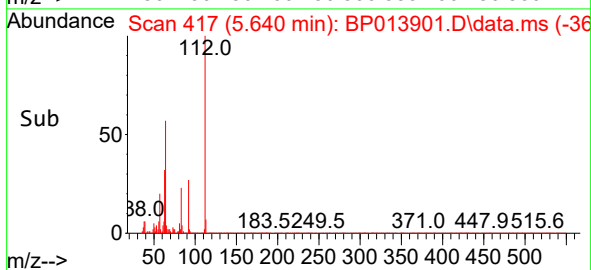
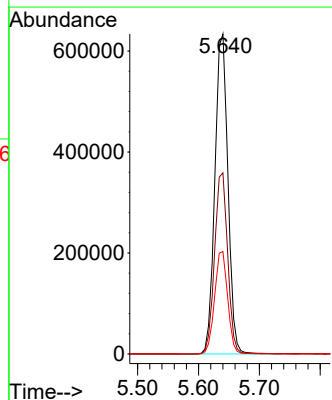
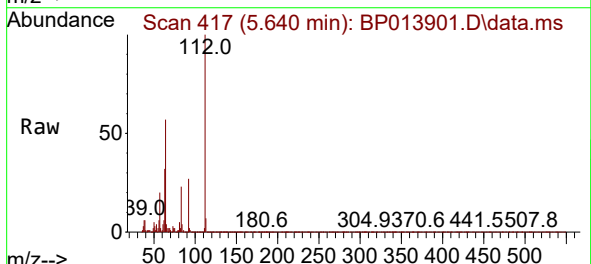
Instrument :
BNA_P
ClientSampleId :
T2-STONE

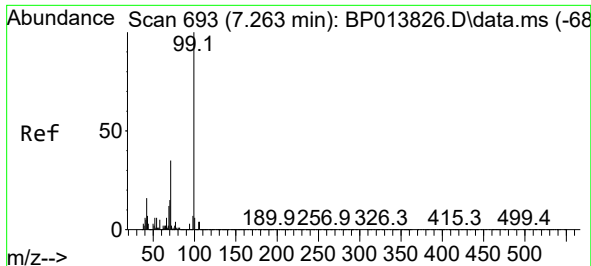
Tgt Ion:152 Resp: 106816
Ion Ratio Lower Upper
152 100
150 153.7 122.8 184.2
115 60.6 49.0 73.6



#5
2-Fluorophenol
Concen: 145.583 ng
RT: 5.640 min Scan# 417
Delta R.T. 0.000 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

Tgt Ion:112 Resp: 943544
Ion Ratio Lower Upper
112 100
64 56.6 44.6 66.8
63 32.0 23.6 35.4



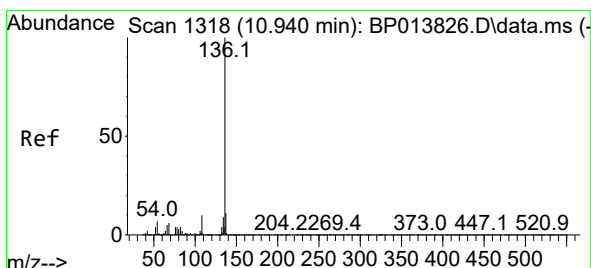
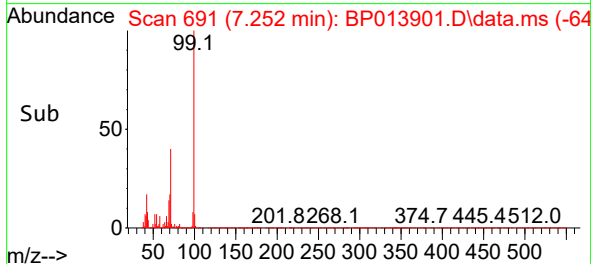
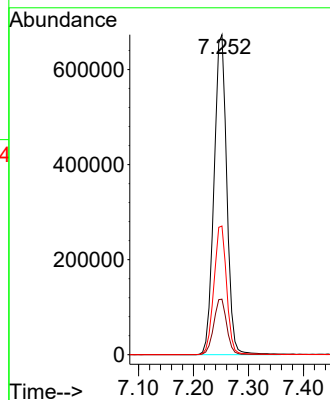
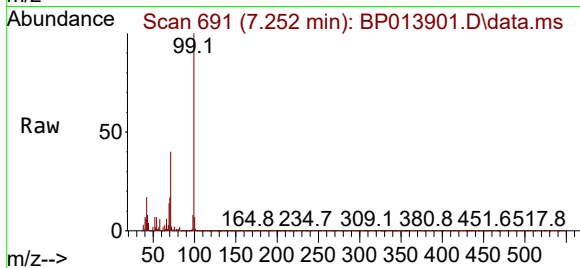


#7
Phenol-d6
Concen: 130.870 ng
RT: 7.252 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

Instrument :
BNA_P
ClientSampleId :
T2-STONE

Tgt Ion: 99 Resp: 1086292

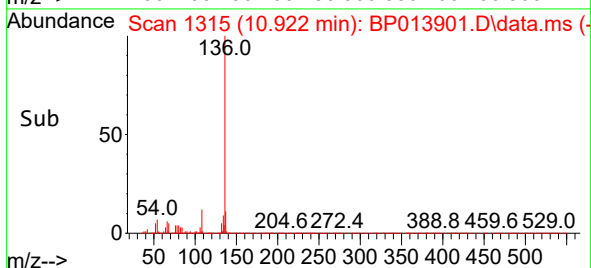
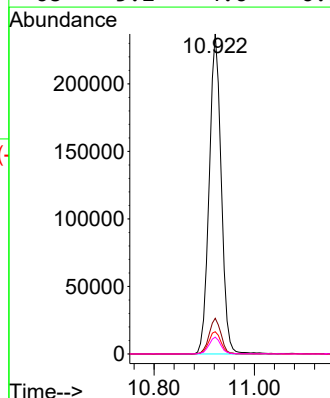
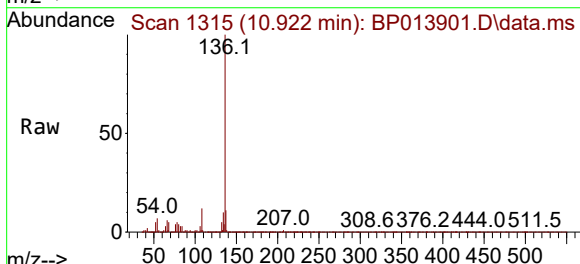
Ion	Ratio	Lower	Upper
99	100		
42	17.4	12.5	18.7
71	40.2	27.8	41.8

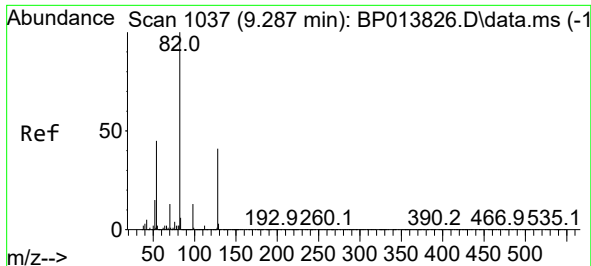


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.922 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

Tgt Ion: 136 Resp: 395737

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.0	5.8	8.6
68	5.2	4.6	6.8

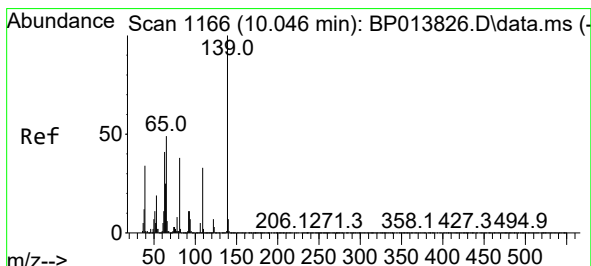
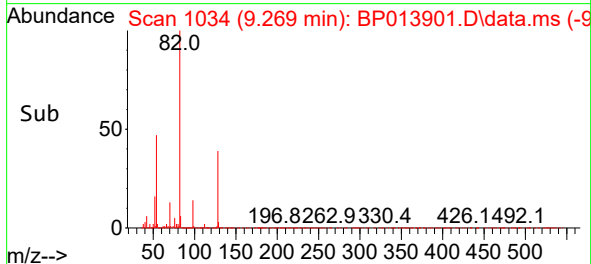
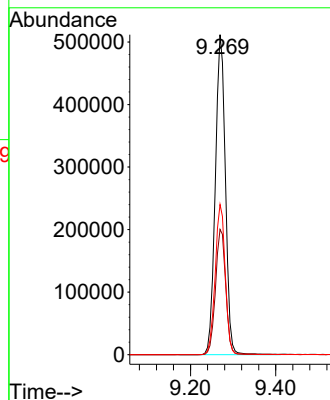
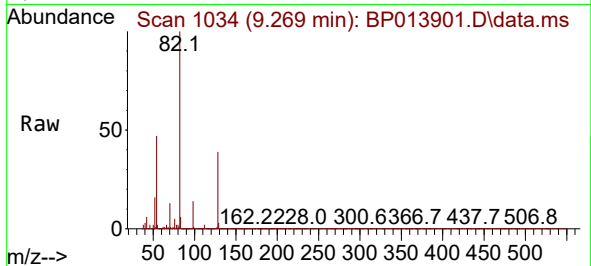




#23
Nitrobenzene-d5
Concen: 115.173 ng
RT: 9.269 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

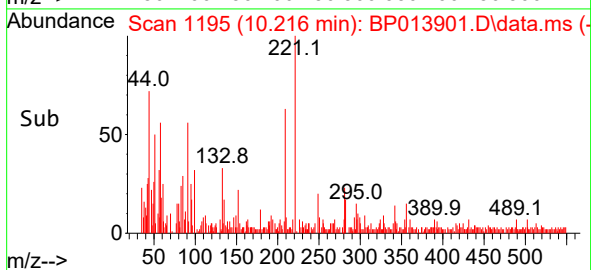
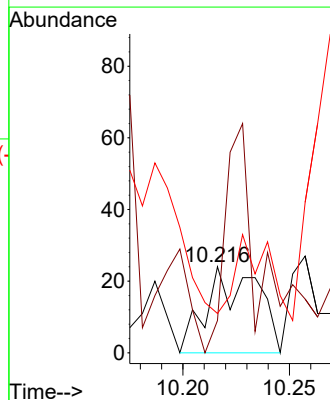
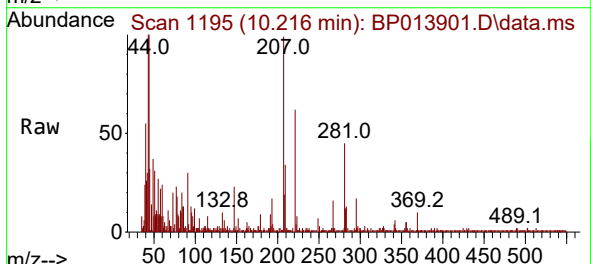
Instrument :
BNA_P
ClientSampleId :
T2-STONE

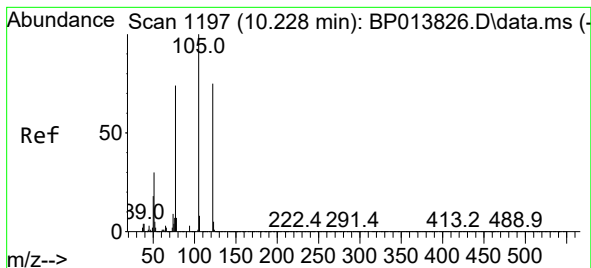
Tgt Ion: 82 Resp: 844041
Ion Ratio Lower Upper
82 100
128 39.1 32.9 49.3
54 47.0 35.6 53.4



#26
2-Nitrophenol
Concen: 2.779 ng
RT: 10.216 min Scan# 1195
Delta R.T. 0.182 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

Tgt Ion:139 Resp: 40
Ion Ratio Lower Upper
139 100
109 37.5 26.7 40.1
65 45.8 39.4 59.2

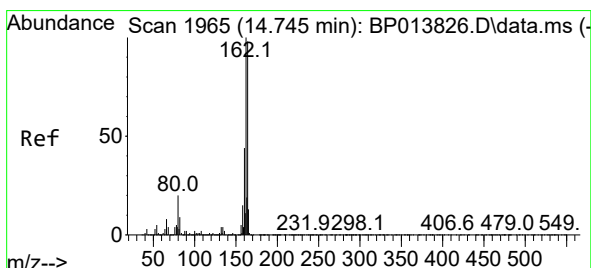
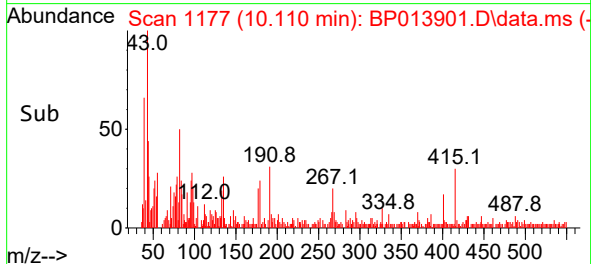
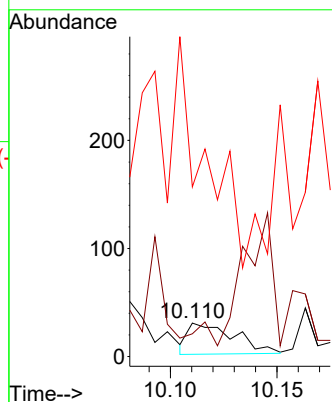
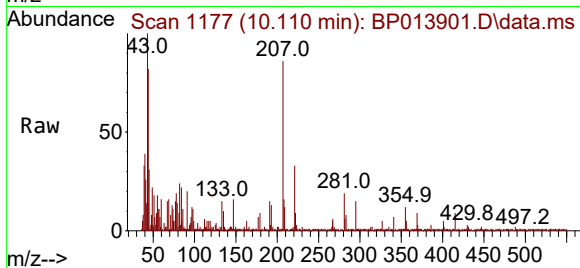




#32
Benzoic acid
Concen: 5.084 ng
RT: 10.110 min Scan# 1197
Delta R.T. -0.106 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

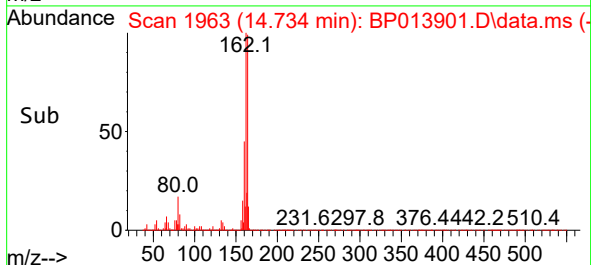
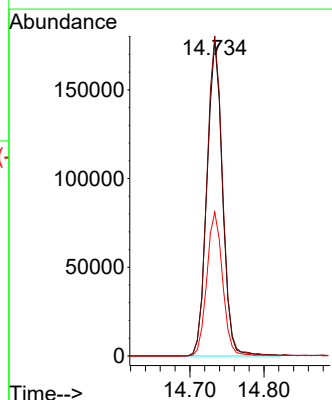
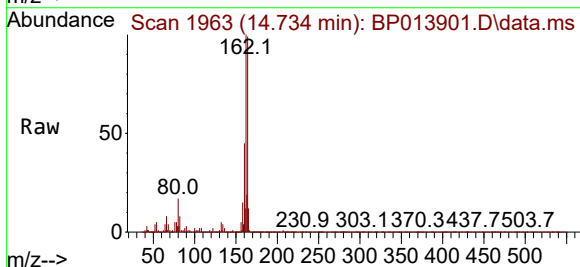
Instrument :
BNA_P
ClientSampleId :
T2-STONE

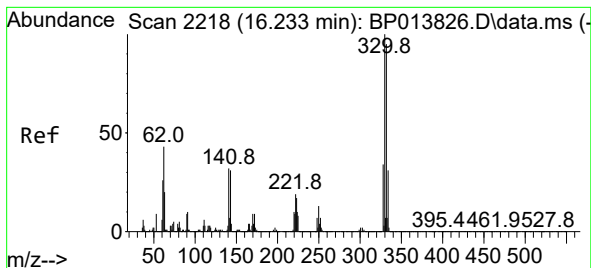
Tgt Ion:122 Resp: 44
Ion Ratio Lower Upper
122 100
105 67.7 107.4 147.4#
77 506.5 76.0 116.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.734 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

Tgt Ion:164 Resp: 258244
Ion Ratio Lower Upper
164 100
162 101.3 81.7 122.5
160 45.6 36.1 54.1

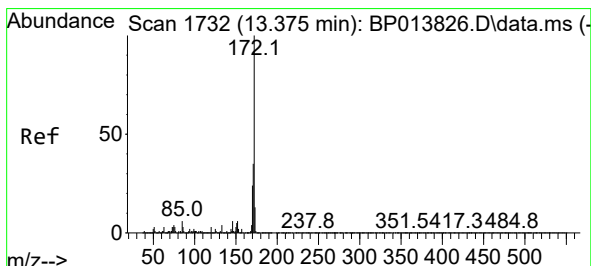
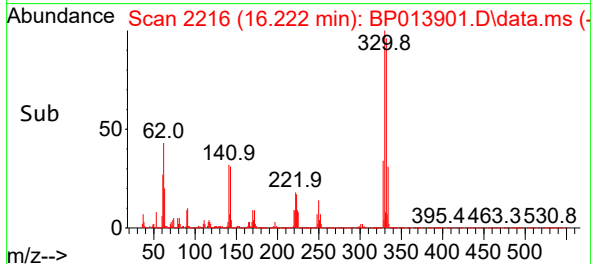
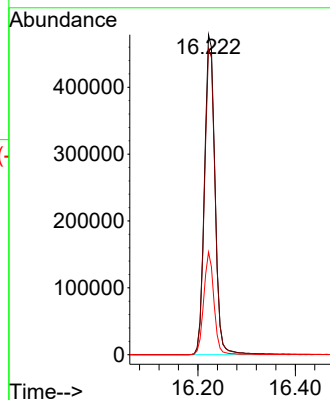
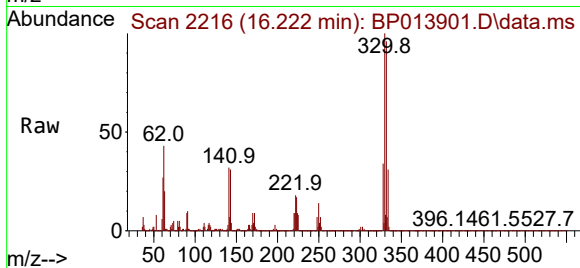




#42
2,4,6-Tribromophenol
Concen: 191.050 ng
RT: 16.222 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

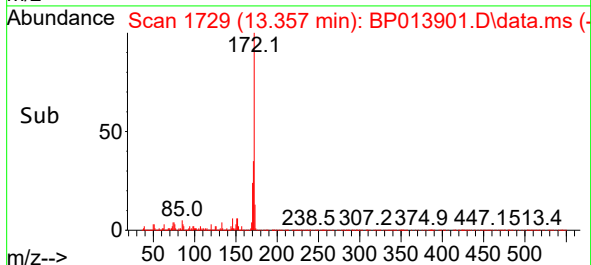
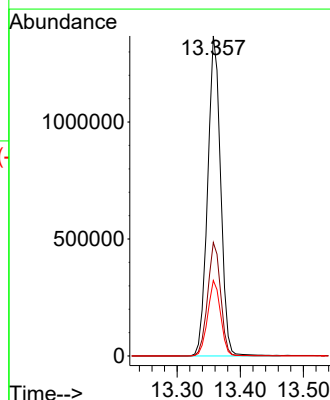
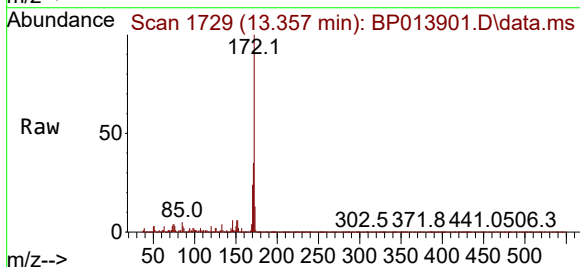
Instrument :
BNA_P
ClientSampleId :
T2-STONE

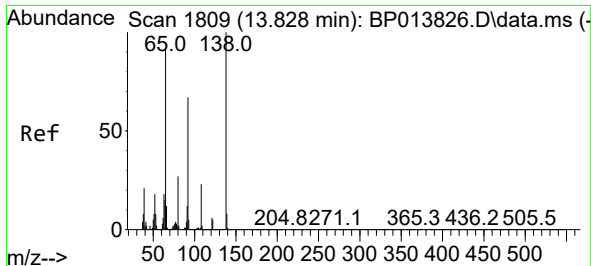
Tgt Ion:330 Resp: 718190
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 31.1 25.1 37.7



#45
2-Fluorobiphenyl
Concen: 99.248 ng
RT: 13.357 min Scan# 1729
Delta R.T. -0.012 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

Tgt Ion:172 Resp: 1951347
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.6 19.0 28.4

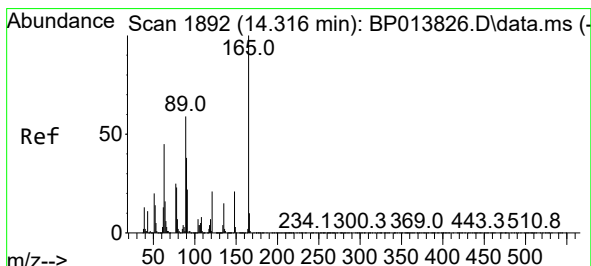
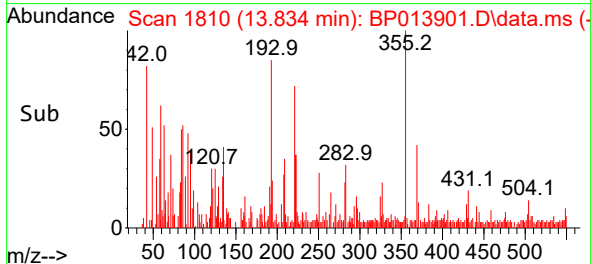
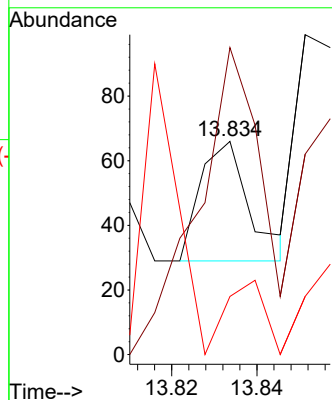
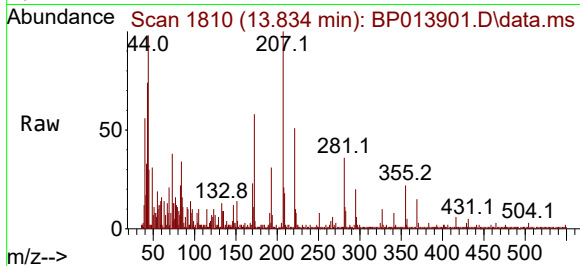




#48
2-Nitroaniline
Concen: 3.236 ng
RT: 13.834 min Scan# 1809
Delta R.T. 0.012 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

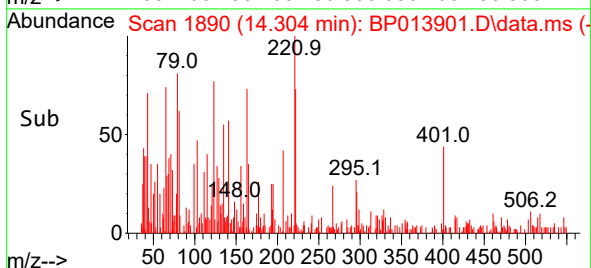
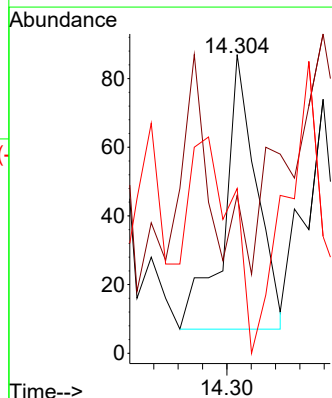
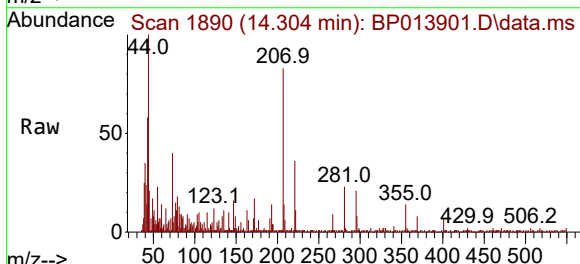
Instrument :
BNA_P
ClientSampleId :
T2-STONE

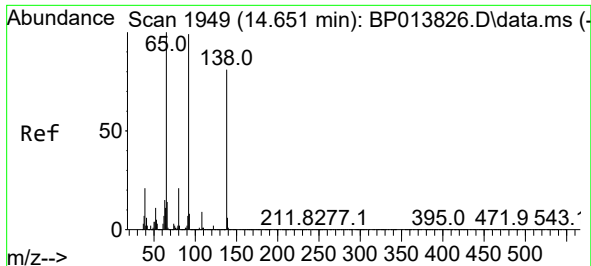
Tgt Ion: 65 Resp: 30
Ion Ratio Lower Upper
65 100
92 143.9 58.7 88.1#
138 27.3 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.003 ng
RT: 14.304 min Scan# 1890
Delta R.T. -0.012 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

Tgt Ion: 165 Resp: 74
Ion Ratio Lower Upper
165 100
63 52.9 42.6 63.8
89 101.1 47.1 70.7#

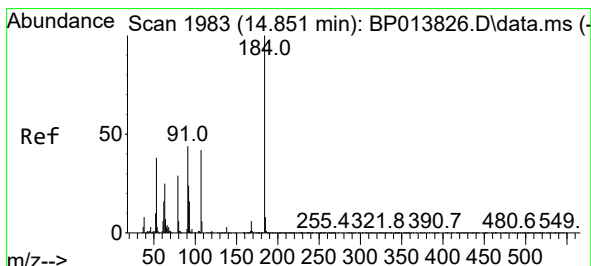
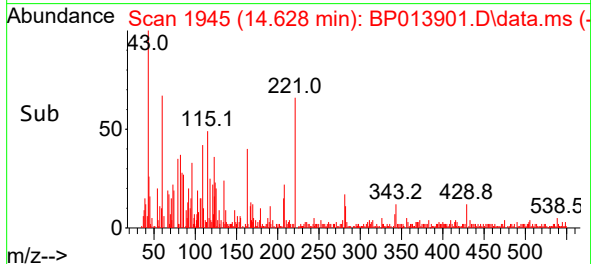
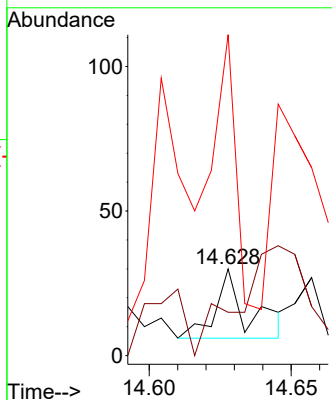
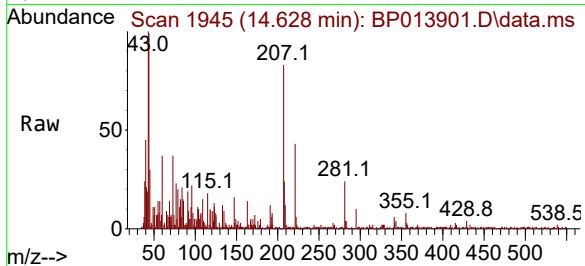




#53
3-Nitroaniline
Concen: 2.012 ng
RT: 14.628 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

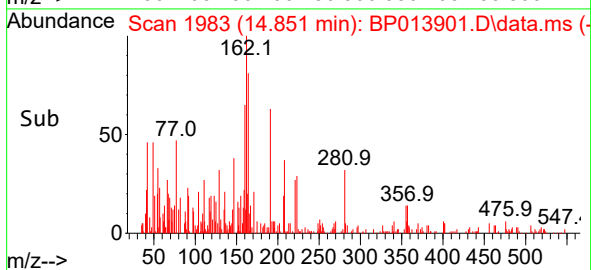
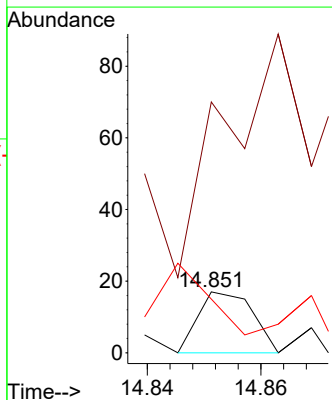
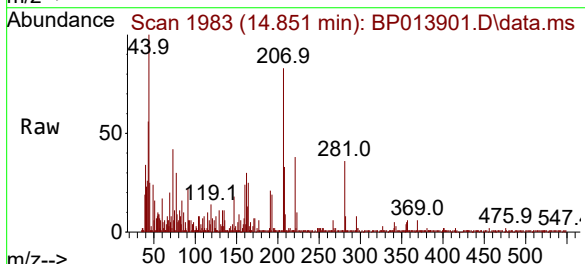
Instrument :
BNA_P
ClientSampleId :
T2-STONE

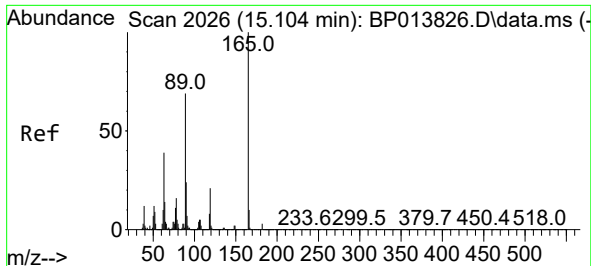
Tgt Ion:138 Resp: 19
Ion Ratio Lower Upper
138 100
108 50.0 9.0 13.4#
92 370.0 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.265 ng
RT: 14.851 min Scan# 1983
Delta R.T. 0.006 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

Tgt Ion:184 Resp: 11
Ion Ratio Lower Upper
184 100
63 411.8 47.0 70.4#
154 88.2 51.5 77.3#





#57

2,4-Dinitrotoluene

Concen: 2.293 ng

RT: 15.098 min Scan# 20

Delta R.T. 0.000 min

Lab File: BP013901.D

Acq: 28 Feb 2023 21:46

Instrument :

BNA_P

ClientSampleId :

T2-STONE

Tgt Ion:165 Resp: 78

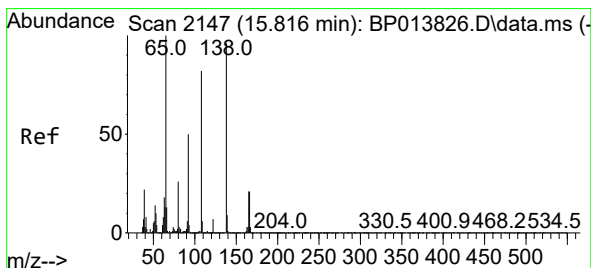
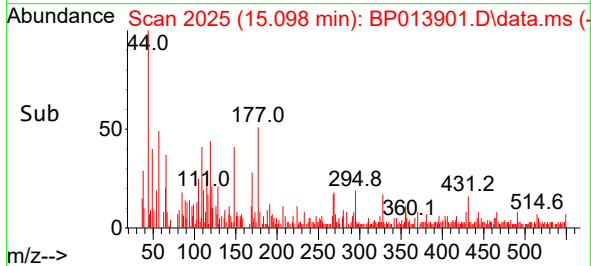
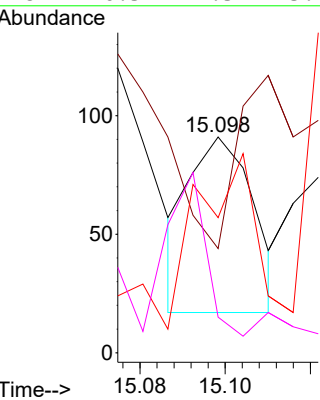
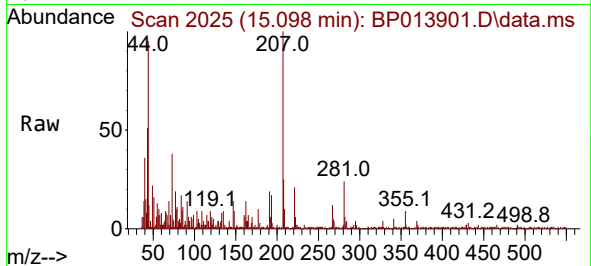
Ion Ratio Lower Upper

165 100

63 48.4 31.1 46.7#

89 62.6 54.9 82.3

182 16.5 2.5 3.7#



#62

4-Nitroaniline

Concen: 2.554 ng

RT: 15.675 min Scan# 2123

Delta R.T. -0.135 min

Lab File: BP013901.D

Acq: 28 Feb 2023 21:46

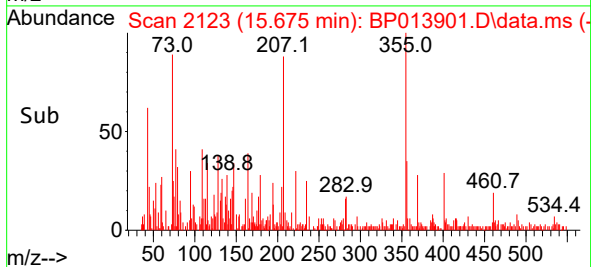
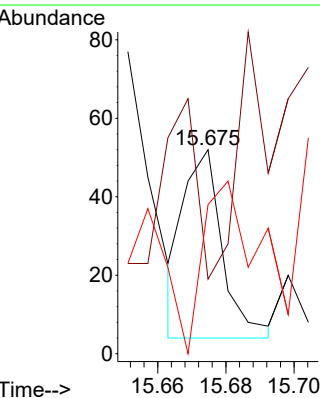
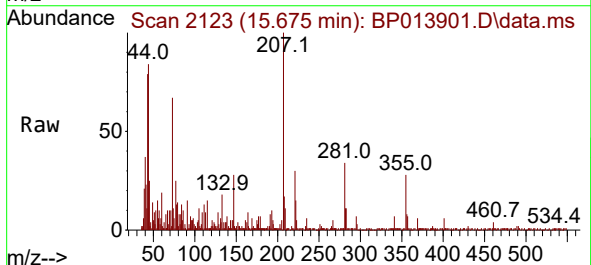
Tgt Ion:138 Resp: 38

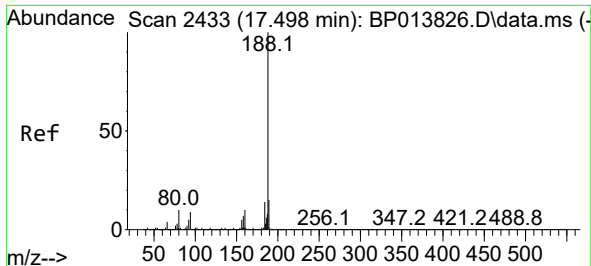
Ion Ratio Lower Upper

138 100

92 36.5 32.0 72.0

108 73.1 65.6 105.6

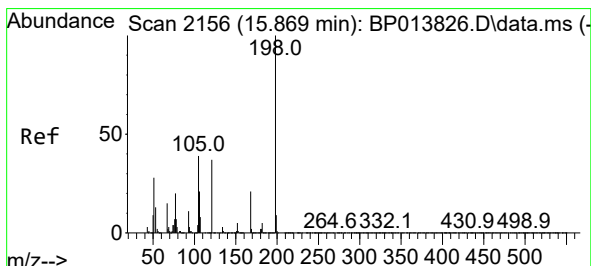
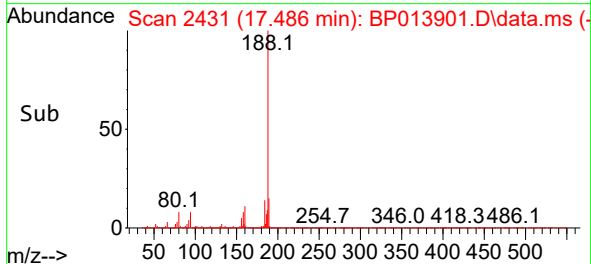
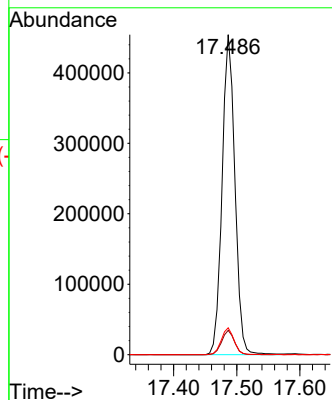
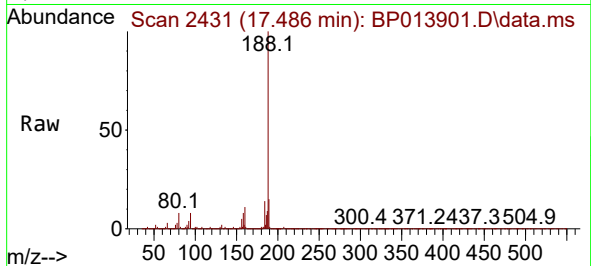




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.486 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

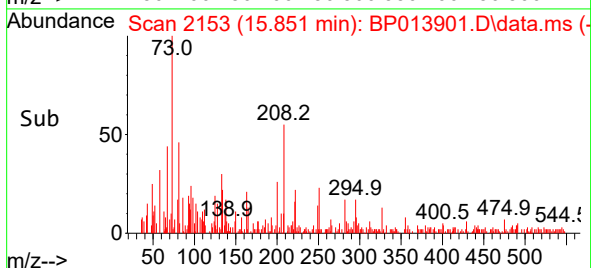
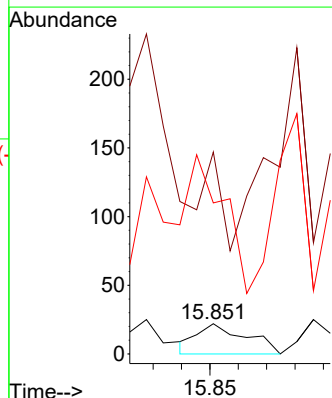
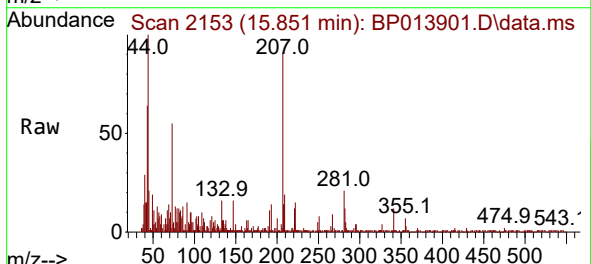
Instrument :
BNA_P
ClientSampleId :
T2-STONE

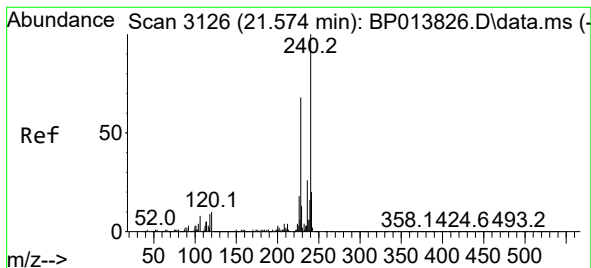
Tgt Ion:188 Resp: 641381
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.6
80 8.4 7.8 11.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.629 ng
RT: 15.851 min Scan# 2153
Delta R.T. -0.012 min
Lab File: BP013901.D
Acq: 28 Feb 2023 21:46

Tgt Ion:198 Resp: 26
Ion Ratio Lower Upper
198 100
51 668.2 14.3 54.3#
105 536.4 20.5 60.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.563 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP013901.D

Acq: 28 Feb 2023 21:46

Instrument :

BNA_P

ClientSampleId :

T2-STONE

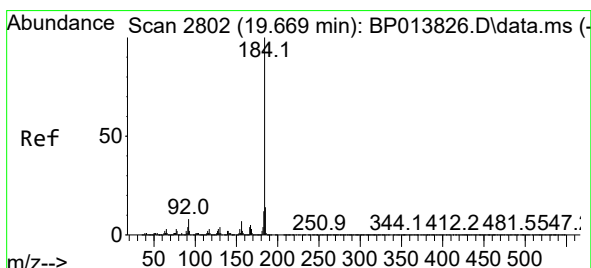
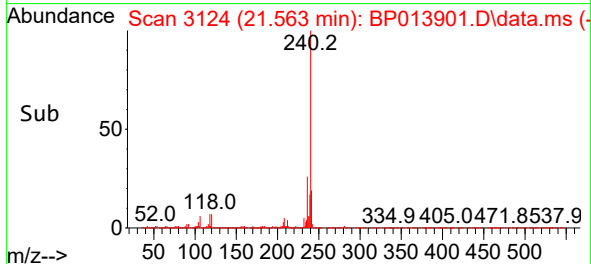
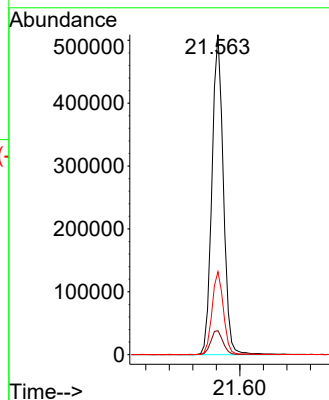
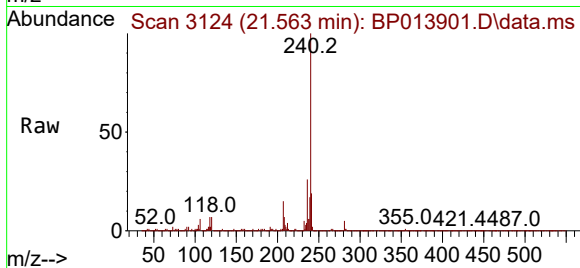
Tgt Ion:240 Resp: 684428

Ion Ratio Lower Upper

240 100

120 7.5 7.9 11.9#

236 25.9 20.9 31.3



#77

Benzidine

Concen: 2.293 ng

RT: 19.669 min Scan# 2802

Delta R.T. 0.006 min

Lab File: BP013901.D

Acq: 28 Feb 2023 21:46

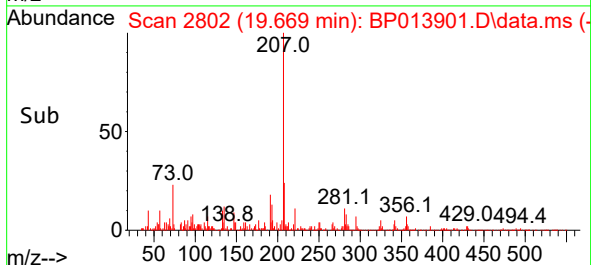
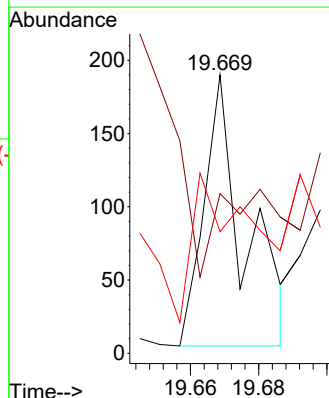
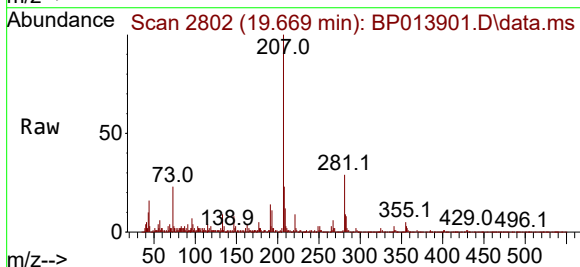
Tgt Ion:184 Resp: 153

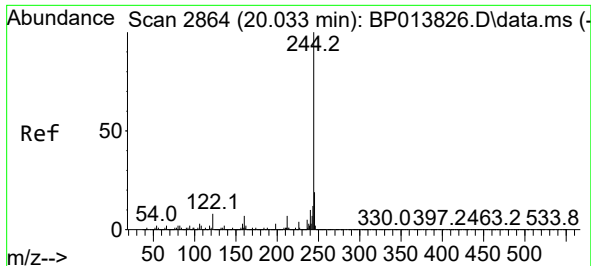
Ion Ratio Lower Upper

184 100

185 57.4 11.4 17.0#

183 43.7 9.6 14.4#

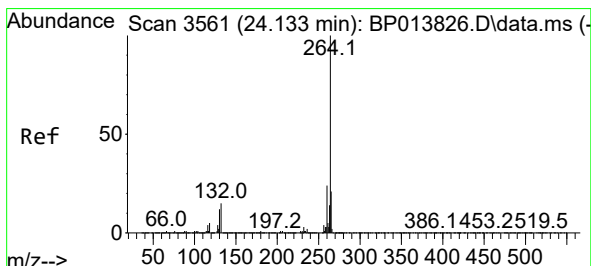
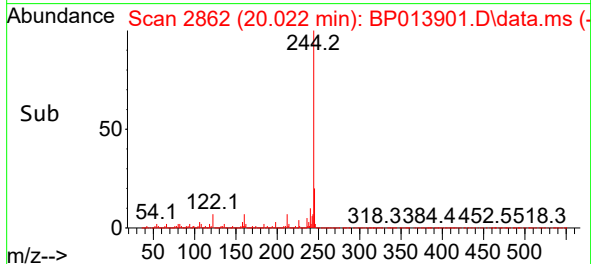
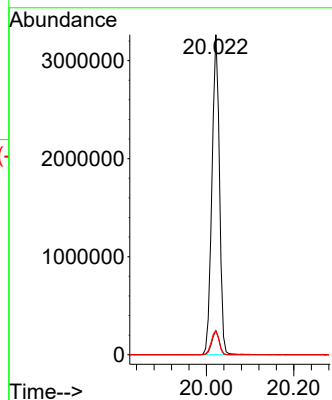
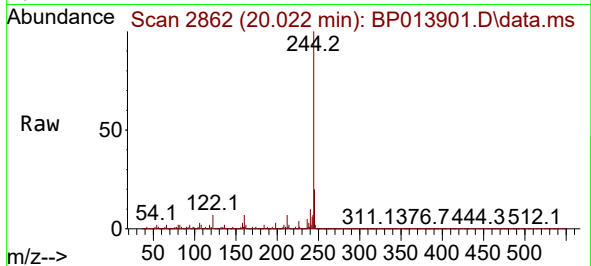




#79
 Terphenyl-d14
 Concen: 109.564 ng
 RT: 20.022 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP013901.D
 Acq: 28 Feb 2023 21:46

Instrument :
 BNA_P
 ClientSampleId :
 T2-STONE

Tgt Ion:244 Resp: 3897548
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 7.5 6.7 10.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.110 min Scan# 3557
 Delta R.T. -0.012 min
 Lab File: BP013901.D
 Acq: 28 Feb 2023 21:46

Tgt Ion:264 Resp: 754779
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.0
 265 22.5 17.6 26.4

