

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013846.D
 Acq On : 17 Feb 2023 15:40
 Operator : CG/JU
 Sample : 01541-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ASH

Quant Time: Feb 17 22:04:21 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 17 18:05:40 2023
 Response via : Initial Calibration

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

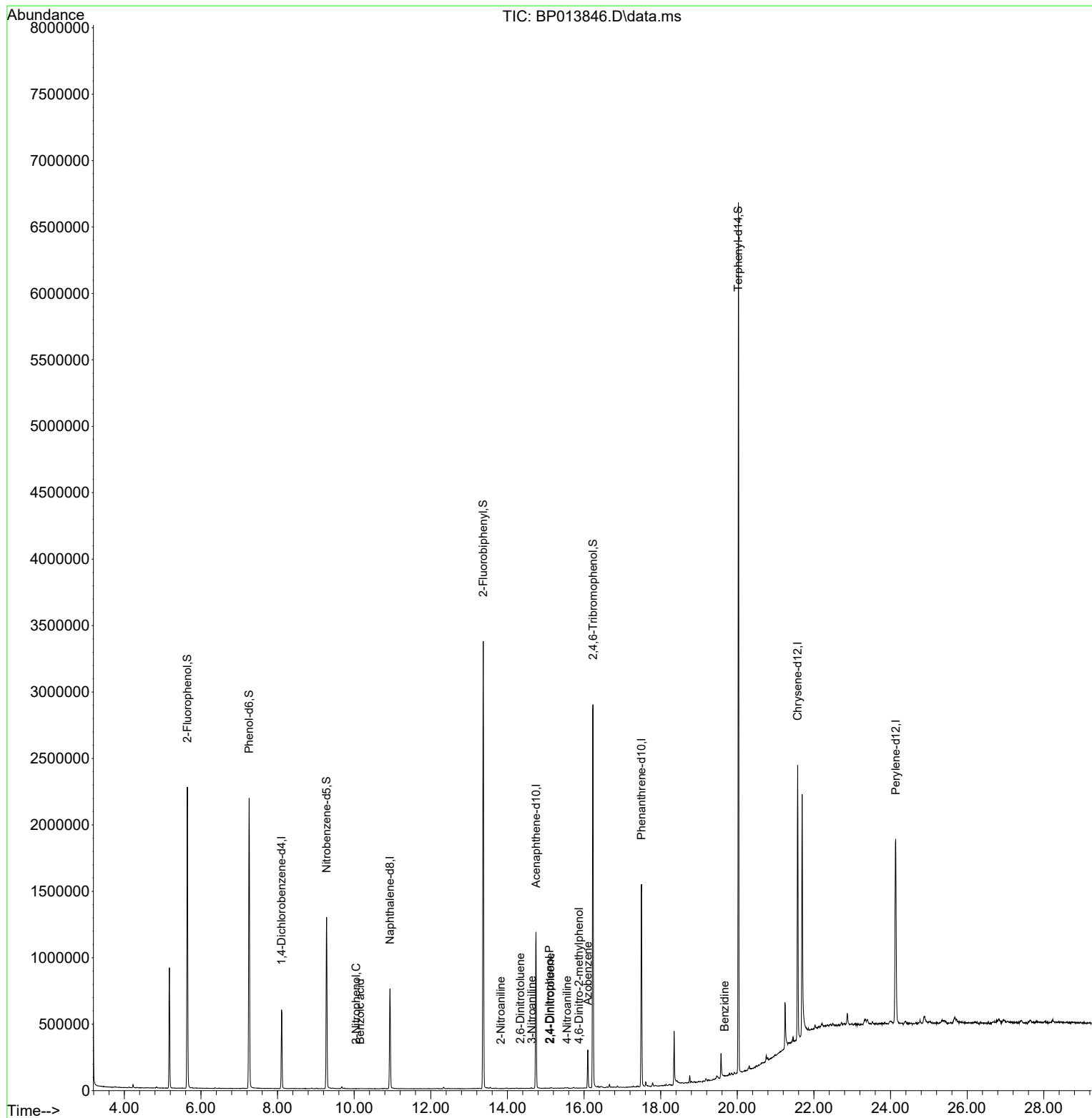
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	163919	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	610385	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	398054	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	948366	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1032819	20.000	ng	0.00
86) Perylene-d12	24.133	264	1190674	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	959657	96.488	ng	0.00
7) Phenol-d6	7.257	99	1268886	99.614	ng	0.00
23) Nitrobenzene-d5	9.281	82	756901	66.962	ng	0.00
42) 2,4,6-Tribromophenol	16.233	330	567389	97.921	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1743164	57.520	ng	0.00
79) Terphenyl-d14	20.027	244	3059902	57.002	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.051	139	41	2.775	ng	# 1
32) Benzoic acid	10.157	122	376	5.122	ng	# 74
48) 2-Nitroaniline	13.828	65	85	3.241	ng	# 25
51) 2,6-Dinitrotoluene	14.334	165	95	2.001	ng	# 50
53) 3-Nitroaniline	14.634	138	44	2.014	ng	# 1
54) 2,4-Dinitrophenol	15.092	184	12	5.264	ng	# 91
57) 2,4-Dinitrotoluene	15.122	165	182	2.299	ng	# 50
62) 4-Nitroaniline	15.557	138	27	2.550	ng	# 85
63) Azobenzene	16.098	77	80055	2.801	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.869	198	19	4.626	ng	# 1
77) Benzidine	19.669	184	102	2.287	ng	# 1

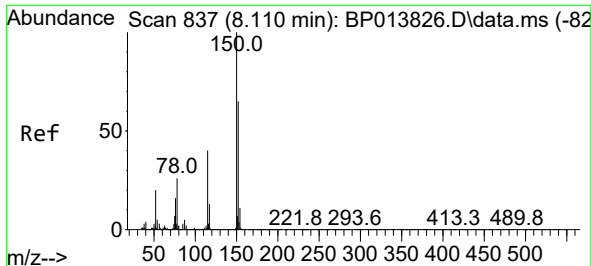
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
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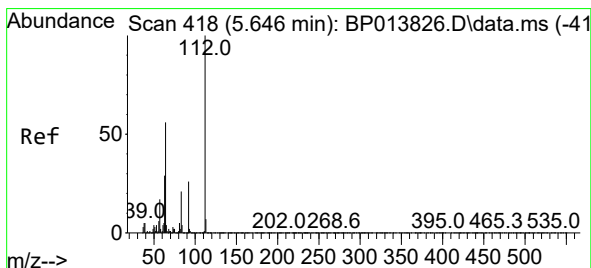
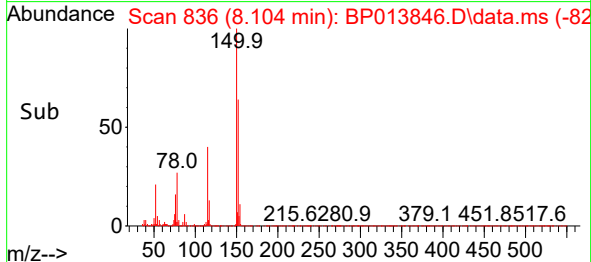
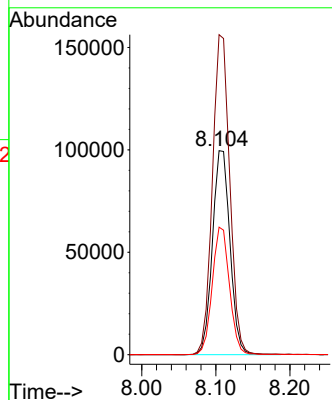
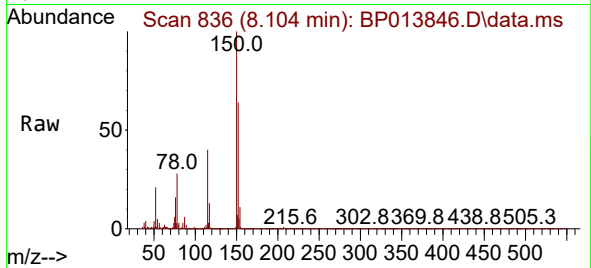




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.104 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

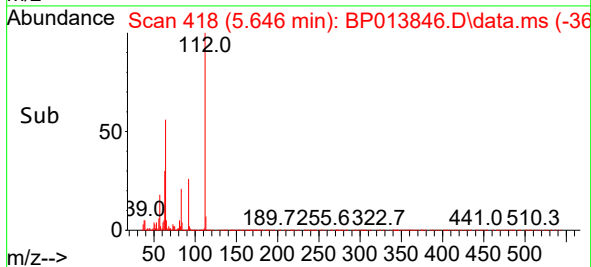
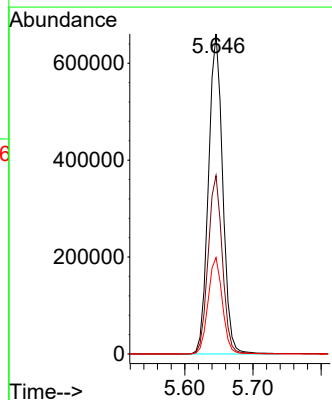
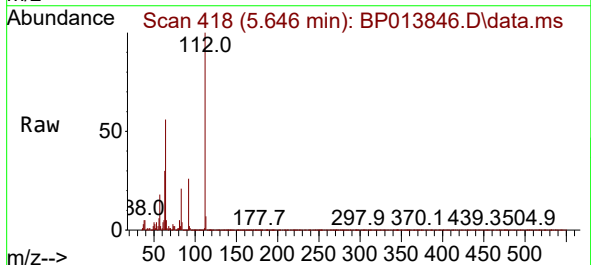
Instrument :
BNA_P
ClientSampleId :
ASH

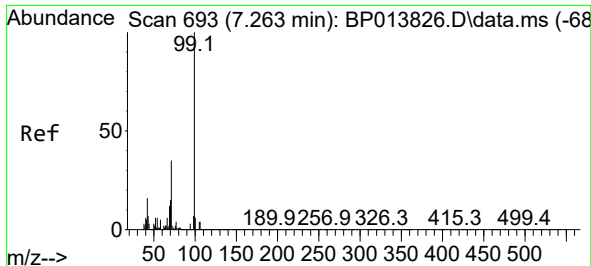
Tgt Ion:152 Resp: 163919
Ion Ratio Lower Upper
152 100
150 156.8 122.8 184.2
115 62.5 49.0 73.6



#5
2-Fluorophenol
Concen: 96.488 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.000 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

Tgt Ion:112 Resp: 959657
Ion Ratio Lower Upper
112 100
64 55.7 44.6 66.8
63 30.1 23.6 35.4

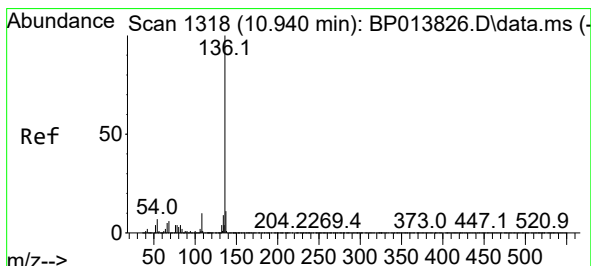
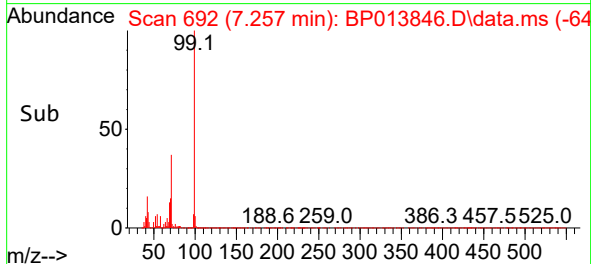
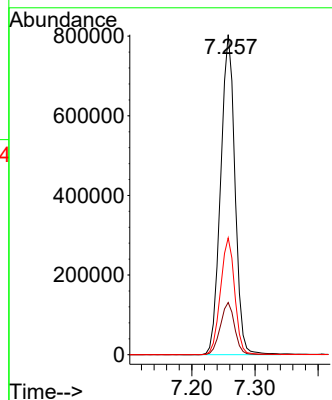
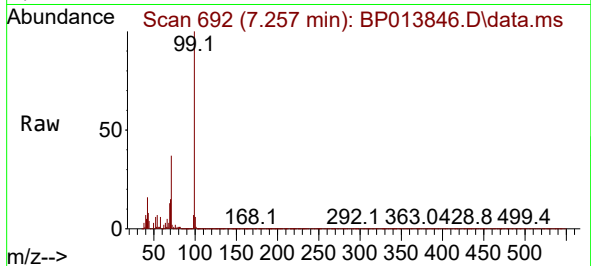




#7
Phenol-d6
Concen: 99.614 ng
RT: 7.257 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

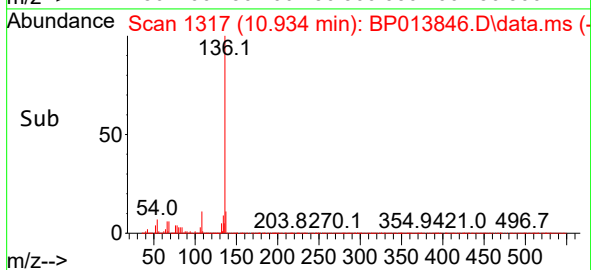
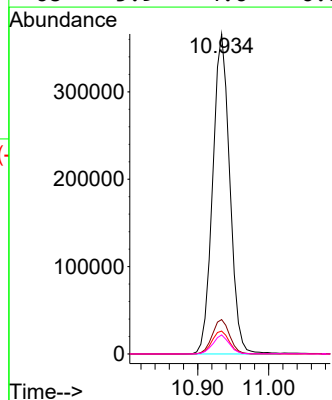
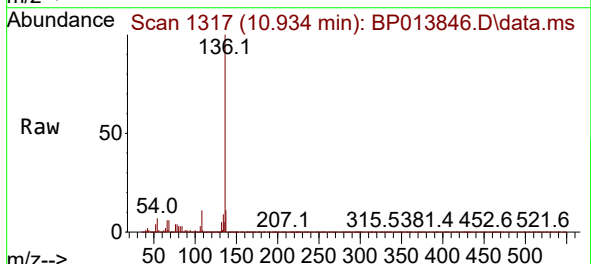
Instrument :
BNA_P
ClientSampleId :
ASH

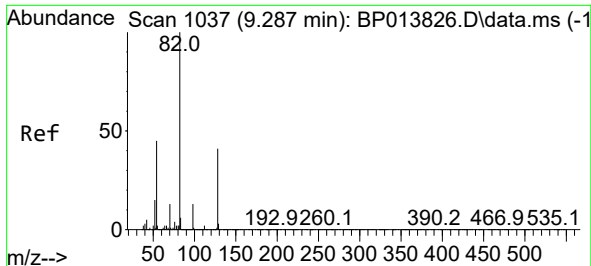
Tgt Ion: 99 Resp: 1268886
Ion Ratio Lower Upper
99 100
42 16.3 12.5 18.7
71 36.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

Tgt Ion: 136 Resp: 610385
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.2 5.8 8.6
68 5.9 4.6 6.8

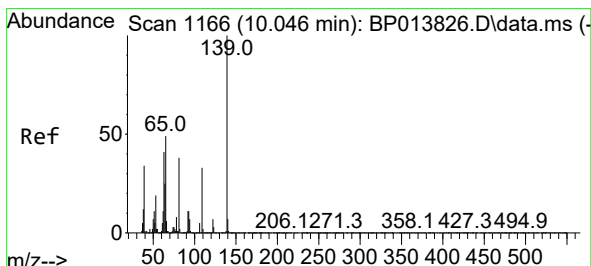
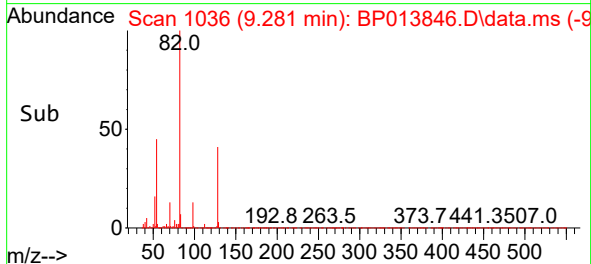
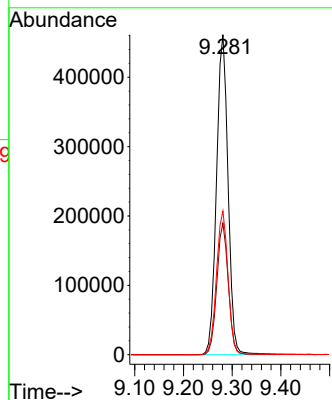
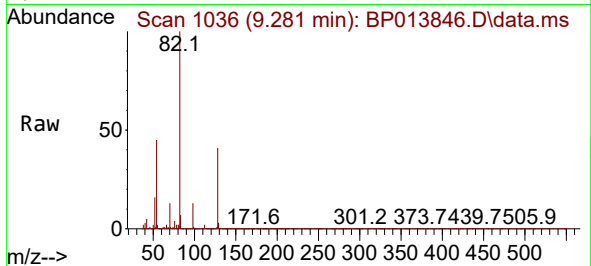




#23
Nitrobenzene-d5
Concen: 66.962 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

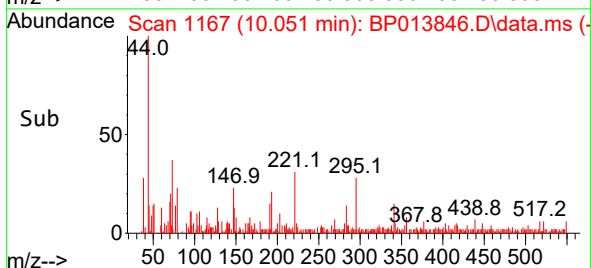
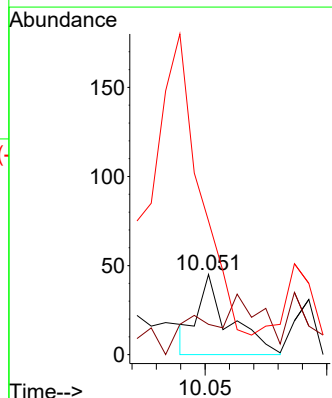
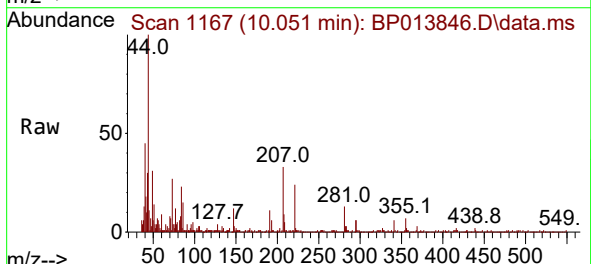
Instrument :
BNA_P
ClientSampleId :
ASH

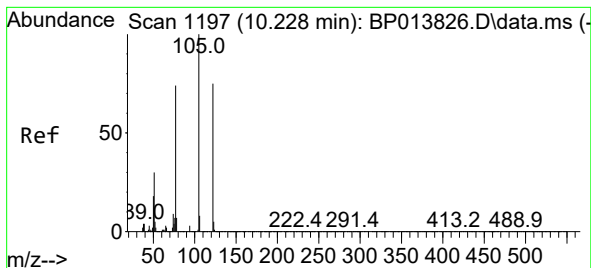
Tgt Ion: 82 Resp: 756901
Ion Ratio Lower Upper
82 100
128 41.1 32.9 49.3
54 44.9 35.6 53.4



#26
2-Nitrophenol
Concen: 2.775 ng
RT: 10.051 min Scan# 1167
Delta R.T. 0.005 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

Tgt Ion:139 Resp: 41
Ion Ratio Lower Upper
139 100
109 37.8 26.7 40.1
65 166.7 39.4 59.2#





#32

Benzoic acid

Concen: 5.122 ng

RT: 10.157 min Scan# 1185

Delta R.T. -0.071 min

Lab File: BP013846.D

Acq: 17 Feb 2023 15:40

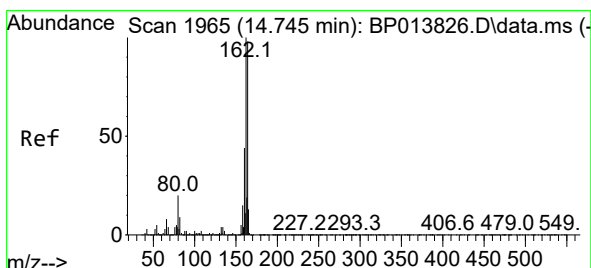
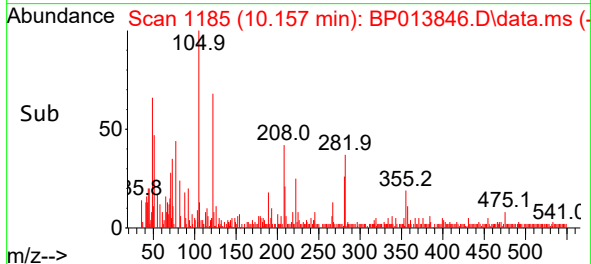
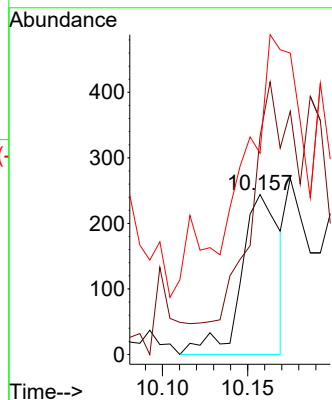
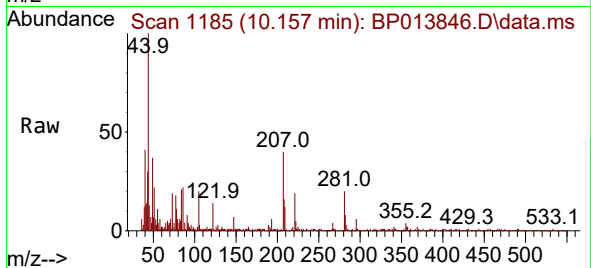
Instrument :

BNA_P

ClientSampleId :

ASH

Tgt Ion:	122	Resp:	376
Ion	Ratio	Lower	Upper
122	100		
105	154.1	107.4	147.4#
77	125.8	76.0	116.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

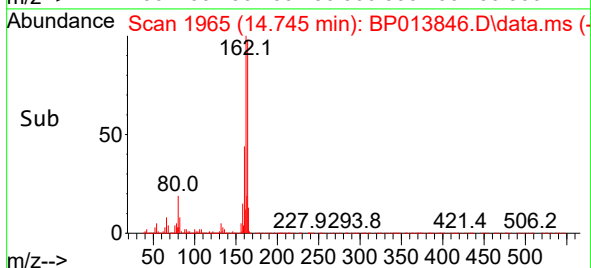
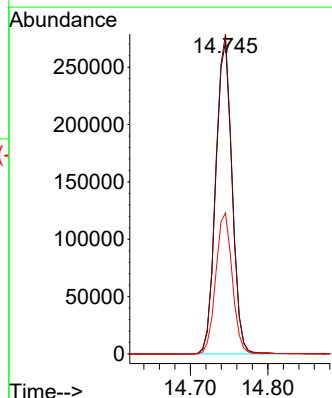
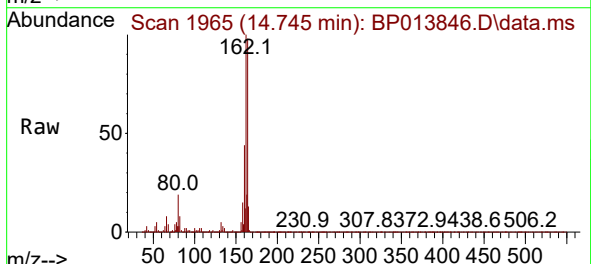
RT: 14.745 min Scan# 1965

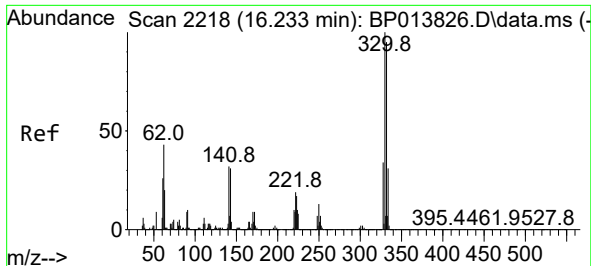
Delta R.T. 0.000 min

Lab File: BP013846.D

Acq: 17 Feb 2023 15:40

Tgt Ion:	164	Resp:	398054
Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.7	122.5
160	45.1	36.1	54.1

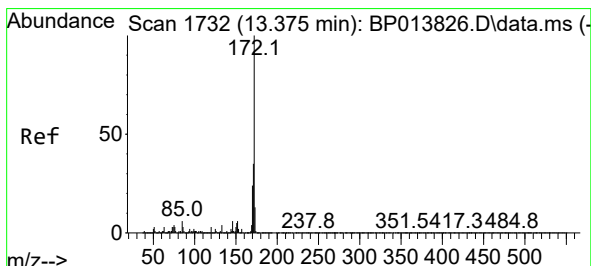
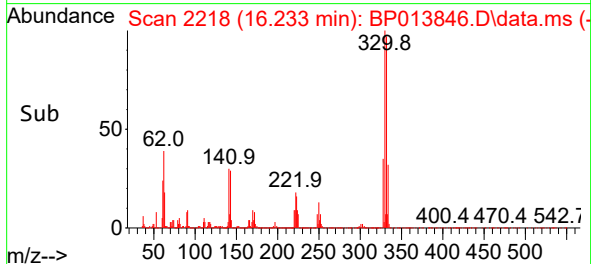
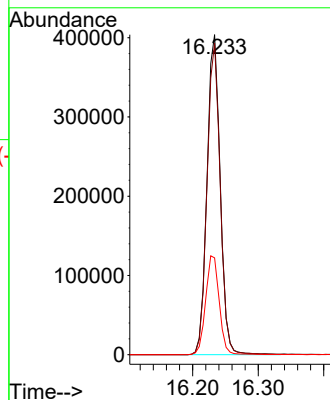
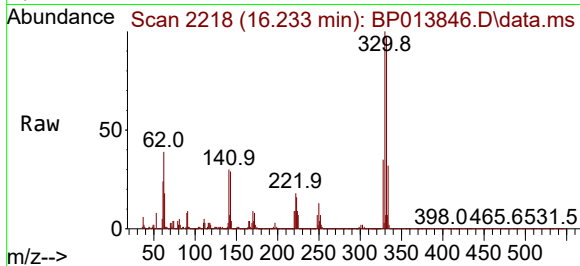




#42
2,4,6-Tribromophenol
Concen: 97.921 ng
RT: 16.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

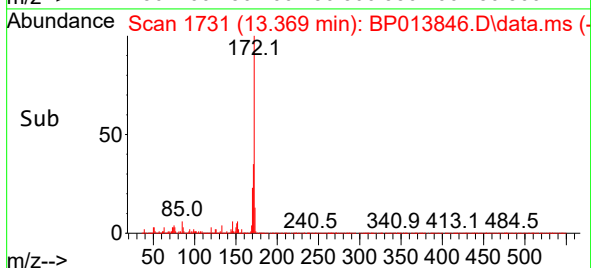
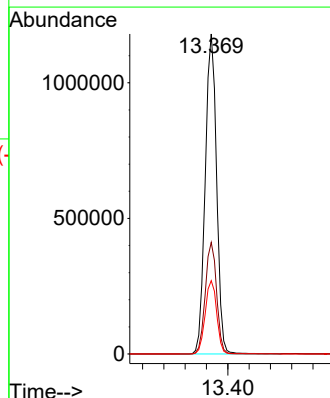
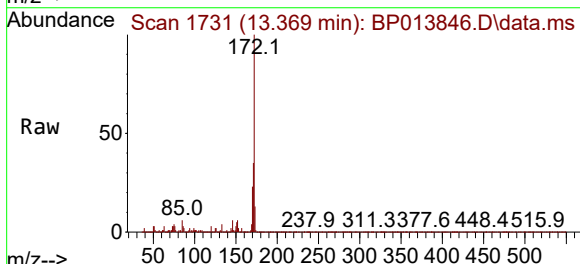
Instrument :
BNA_P
ClientSampleId :
ASH

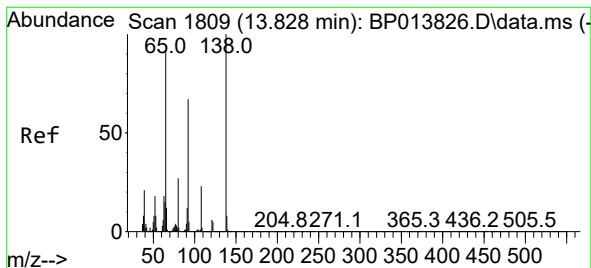
Tgt Ion:330 Resp: 567389
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 31.8 25.1 37.7



#45
2-Fluorobiphenyl
Concen: 57.520 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

Tgt Ion:172 Resp: 1743164
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 22.9 19.0 28.4





#48

2-Nitroaniline

Concen: 3.241 ng

RT: 13.828 min Scan# 1809

Delta R.T. -0.000 min

Lab File: BP013846.D

Acq: 17 Feb 2023 15:40

Instrument :

BNA_P

ClientSampleId :

ASH

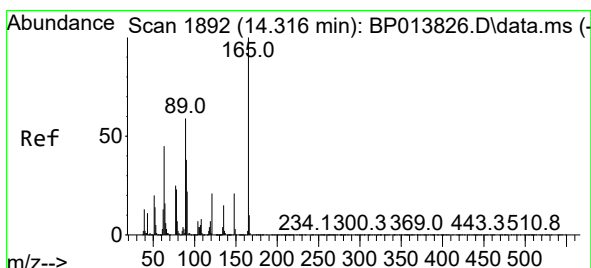
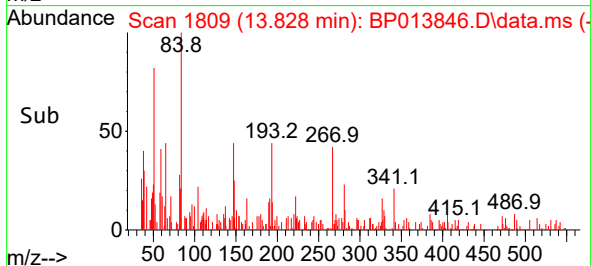
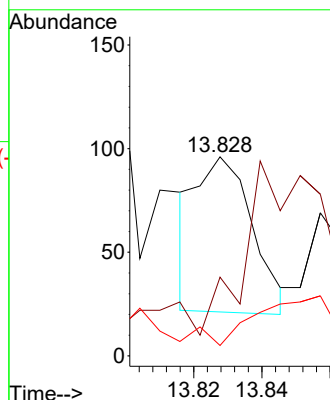
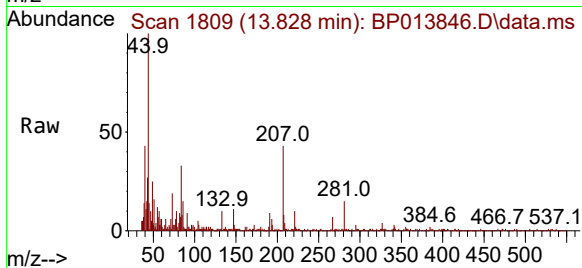
Tgt Ion: 65 Resp: 85

Ion Ratio Lower Upper

65 100

92 39.6 58.7 88.1#

138 5.2 87.3 130.9#



#51

2,6-Dinitrotoluene

Concen: 2.001 ng

RT: 14.334 min Scan# 1895

Delta R.T. 0.018 min

Lab File: BP013846.D

Acq: 17 Feb 2023 15:40

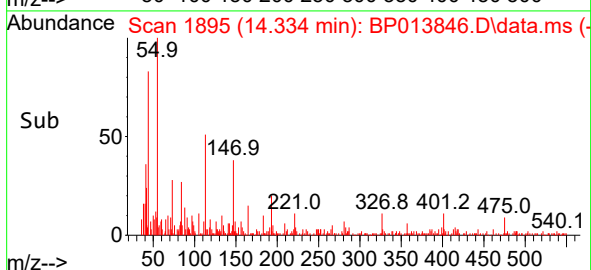
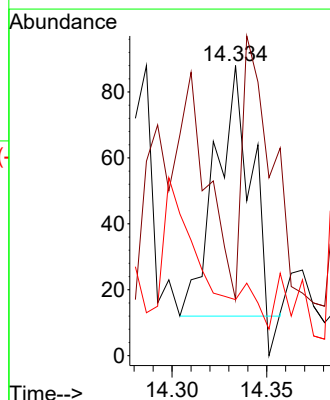
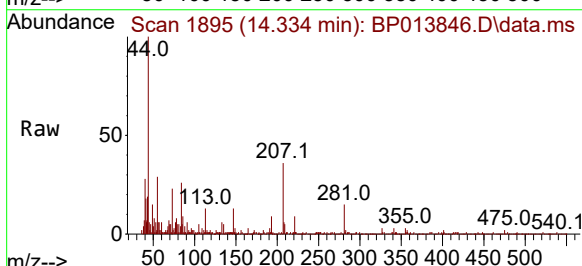
Tgt Ion:165 Resp: 95

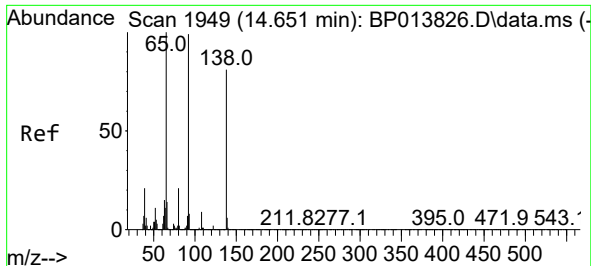
Ion Ratio Lower Upper

165 100

63 19.3 42.6 63.8#

89 19.3 47.1 70.7#

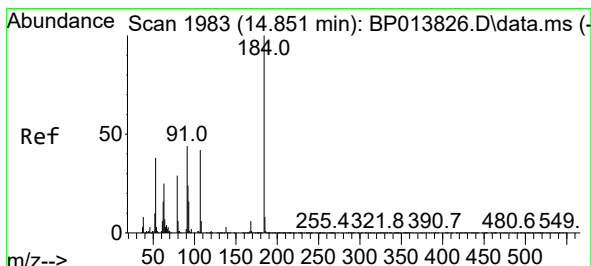
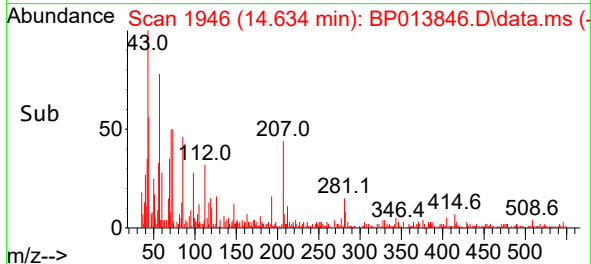
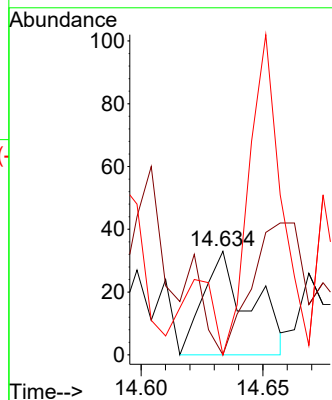
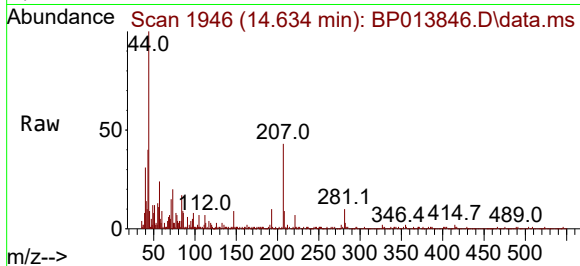




#53
3-Nitroaniline
Concen: 2.014 ng
RT: 14.634 min Scan# 1946
Delta R.T. -0.017 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

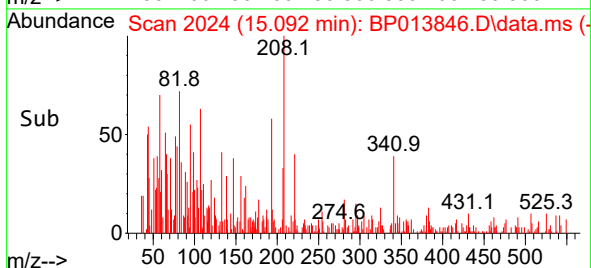
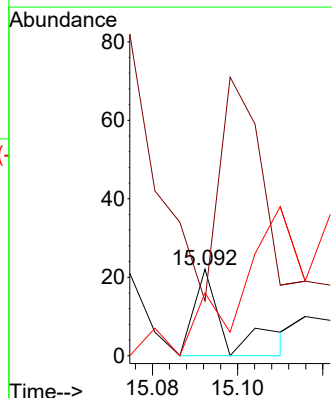
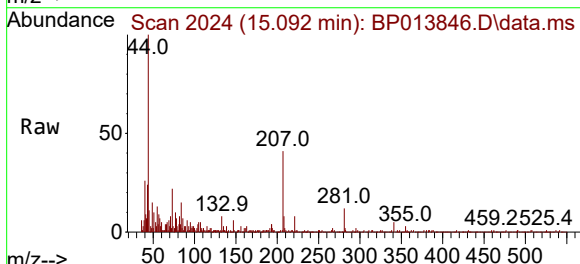
Instrument :
BNA_P
ClientSampleId :
ASH

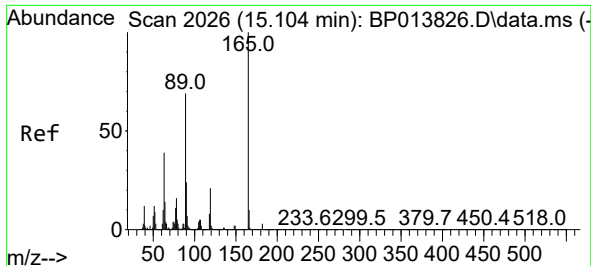
Tgt Ion:138 Resp: 44
Ion Ratio Lower Upper
138 100
108 0.0 9.0 13.4#
92 0.0 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.264 ng
RT: 15.092 min Scan# 2024
Delta R.T. 0.241 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

Tgt Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 63.6 47.0 70.4
154 72.7 51.5 77.3

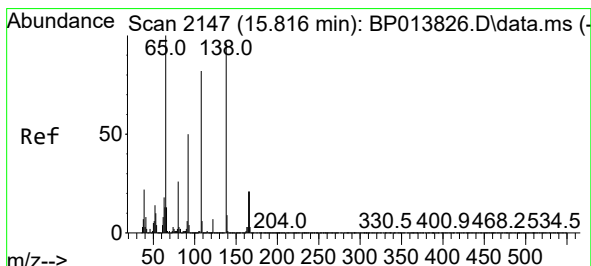
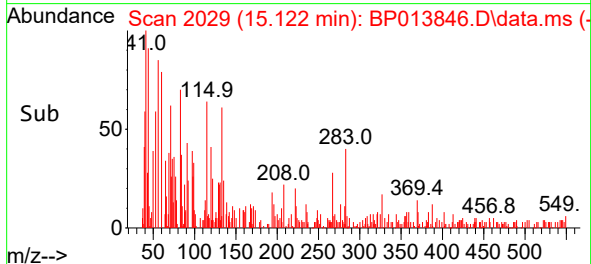
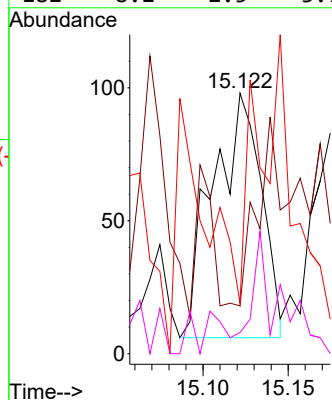
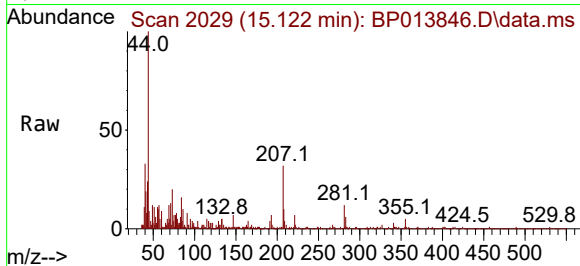




#57
2,4-Dinitrotoluene
Concen: 2.299 ng
RT: 15.122 min Scan# 20
Delta R.T. 0.018 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

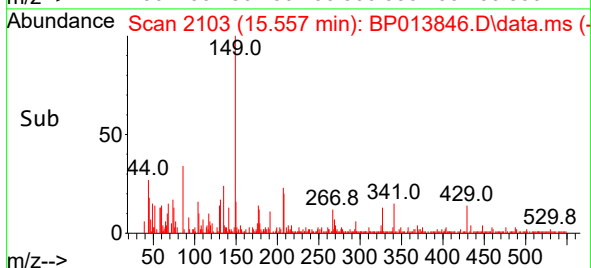
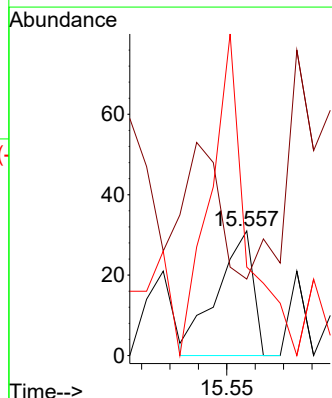
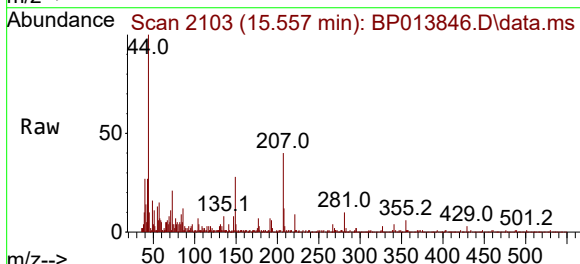
Instrument :
BNA_P
ClientSampleId :
ASH

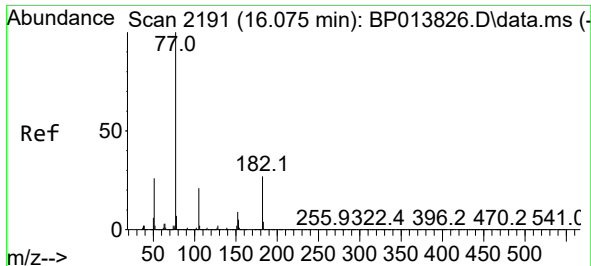
Tgt Ion:165 Resp: 182
Ion Ratio Lower Upper
165 100
63 18.4 31.1 46.7#
89 19.4 54.9 82.3#
182 8.2 2.5 3.7#



#62
4-Nitroaniline
Concen: 2.550 ng
RT: 15.557 min Scan# 2103
Delta R.T. -0.259 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

Tgt Ion:138 Resp: 27
Ion Ratio Lower Upper
138 100
92 61.3 32.0 72.0
108 71.0 65.6 105.6

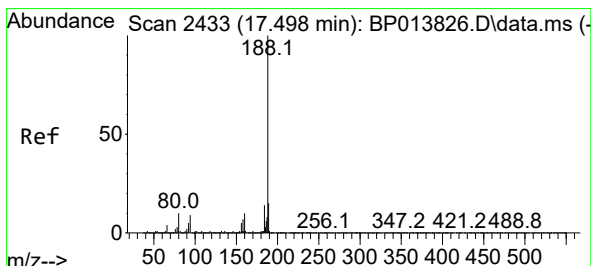
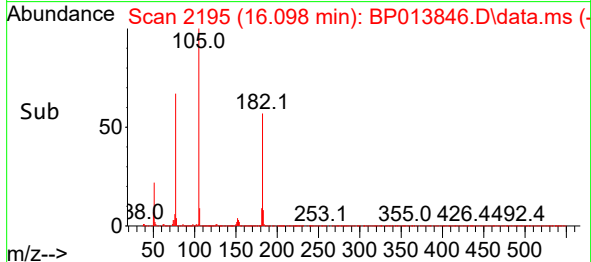
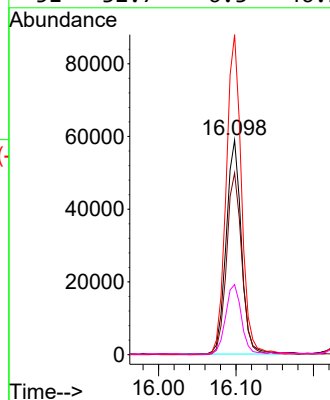
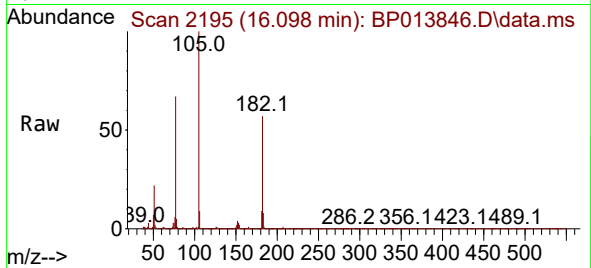




#63
Azobenzene
Concen: 2.801 ng
RT: 16.098 min Scan# 2191
Delta R.T. 0.024 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

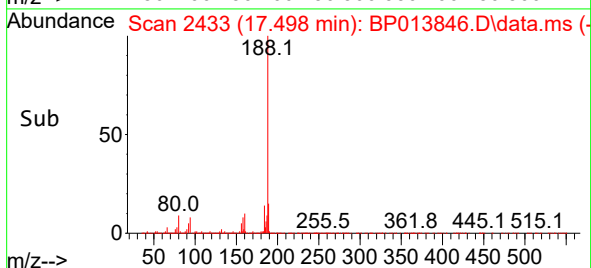
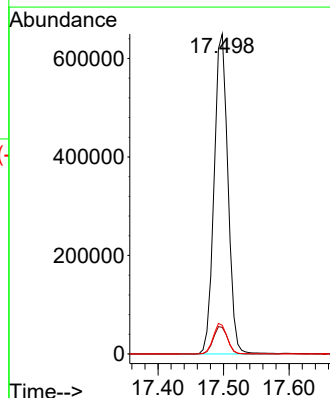
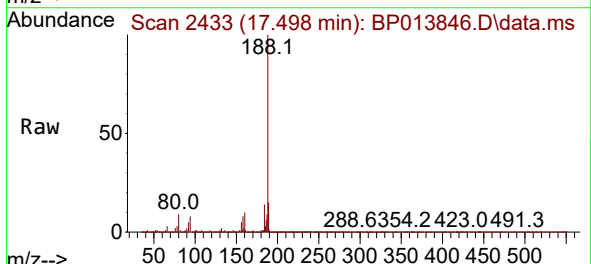
Instrument :
BNA_P
ClientSampleId :
ASH

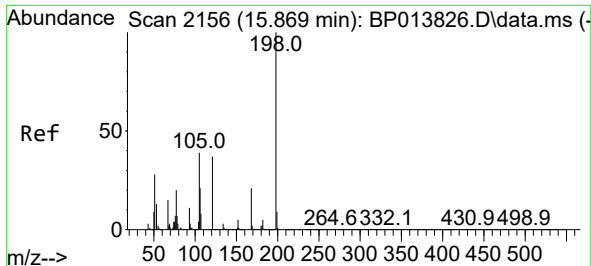
Tgt Ion: 77	Resp: 80055
Ion Ratio	Lower Upper
77 100	
182 84.7	6.9 46.9#
105 149.2	1.1 41.1#
51 32.7	6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

Tgt Ion: 188	Resp: 948366
Ion Ratio	Lower Upper
188 100	
94 8.3	7.0 10.6
80 9.0	7.8 11.8

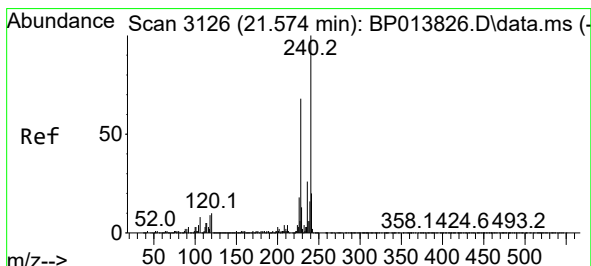
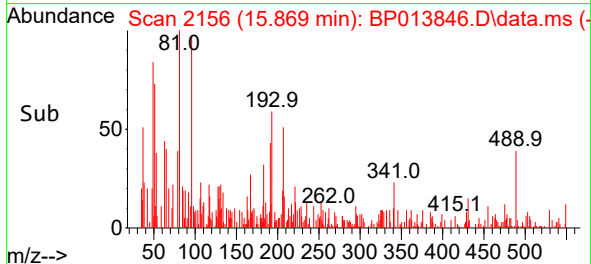
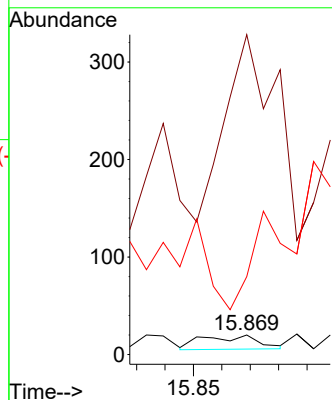
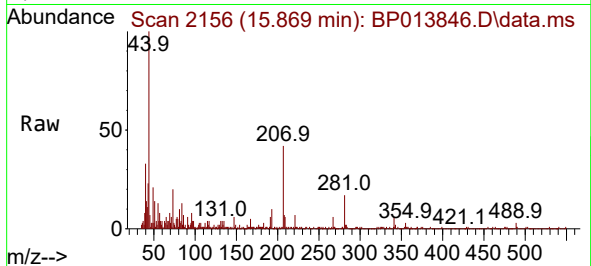




#65
4,6-Dinitro-2-methylphenol
Concen: 4.626 ng
RT: 15.869 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

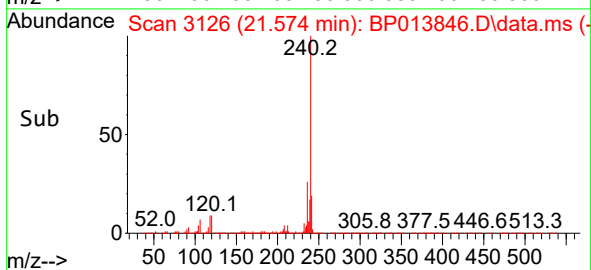
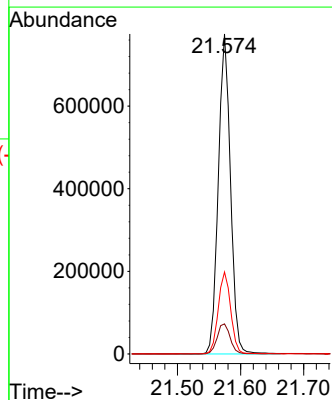
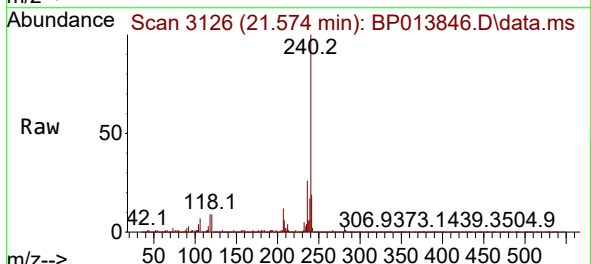
Instrument :
BNA_P
ClientSampleId :
ASH

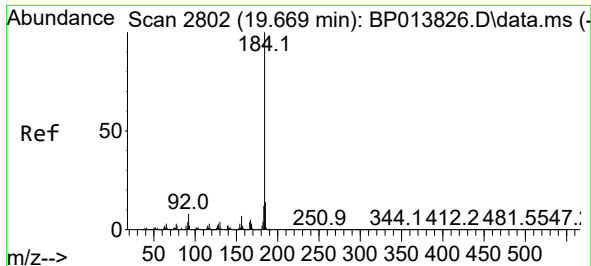
Tgt Ion:198 Resp: 19
Ion Ratio Lower Upper
198 100
51 1740.0 14.3 54.3#
105 400.0 20.5 60.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

Tgt Ion:240 Resp: 1032819
Ion Ratio Lower Upper
240 100
120 9.4 7.9 11.9
236 25.6 20.9 31.3

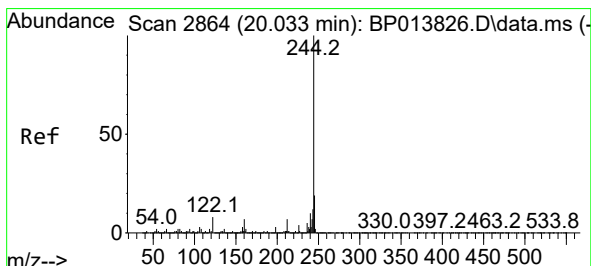
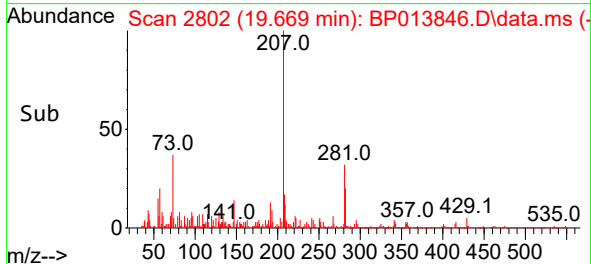
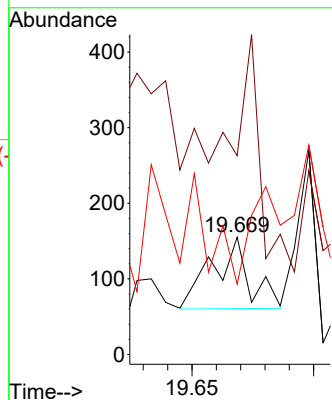
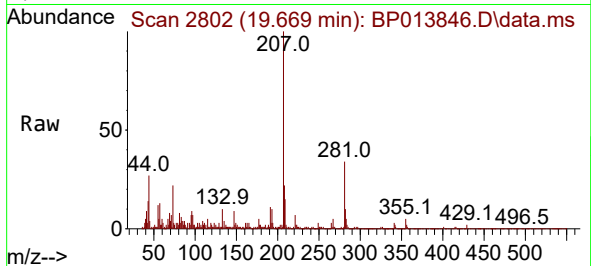




#77
Benzidine
Concen: 2.287 ng
RT: 19.669 min Scan# 2802
Delta R.T. -0.000 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

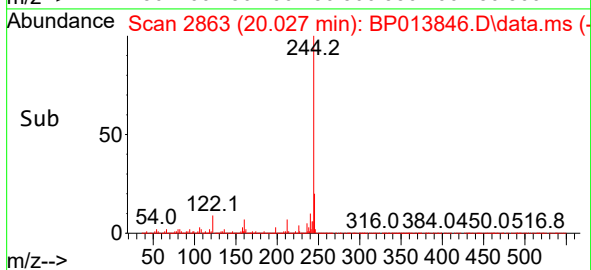
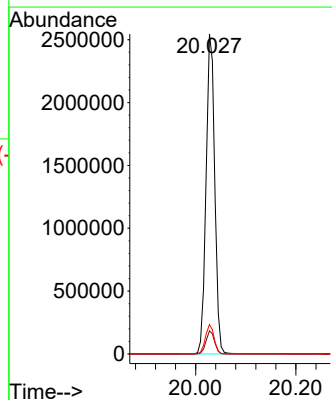
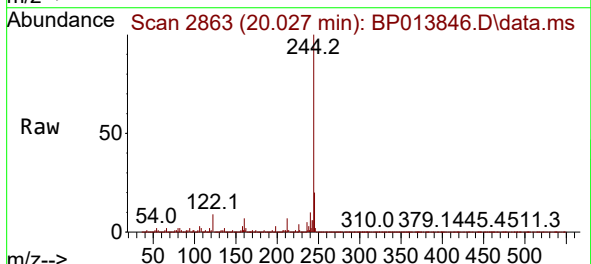
Instrument :
BNA_P
ClientSampleId :
ASH

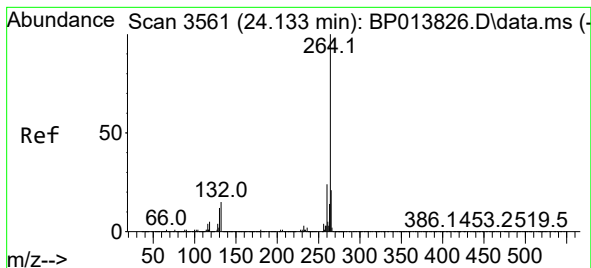
Tgt Ion:184 Resp: 102
Ion Ratio Lower Upper
184 100
185 169.7 11.4 17.0#
183 60.0 9.6 14.4#



#79
Terphenyl-d14
Concen: 57.002 ng
RT: 20.027 min Scan# 2863
Delta R.T. -0.006 min
Lab File: BP013846.D
Acq: 17 Feb 2023 15:40

Tgt Ion:244 Resp: 3059902
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.2 6.7 10.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.133 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP013846.D

Acq: 17 Feb 2023 15:40

Instrument :

BNA_P

ClientSampleId :

ASH

Tgt Ion:264 Resp: 1190674

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

265 21.6 17.6 26.4

