

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030223\
 Data File : BP013934.D
 Acq On : 02 Mar 2023 21:56
 Operator : CG/JU
 Sample : 01749-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CF-11

Quant Time: Mar 03 02:42:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 02 04:26:35 2023
 Response via : Initial Calibration

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

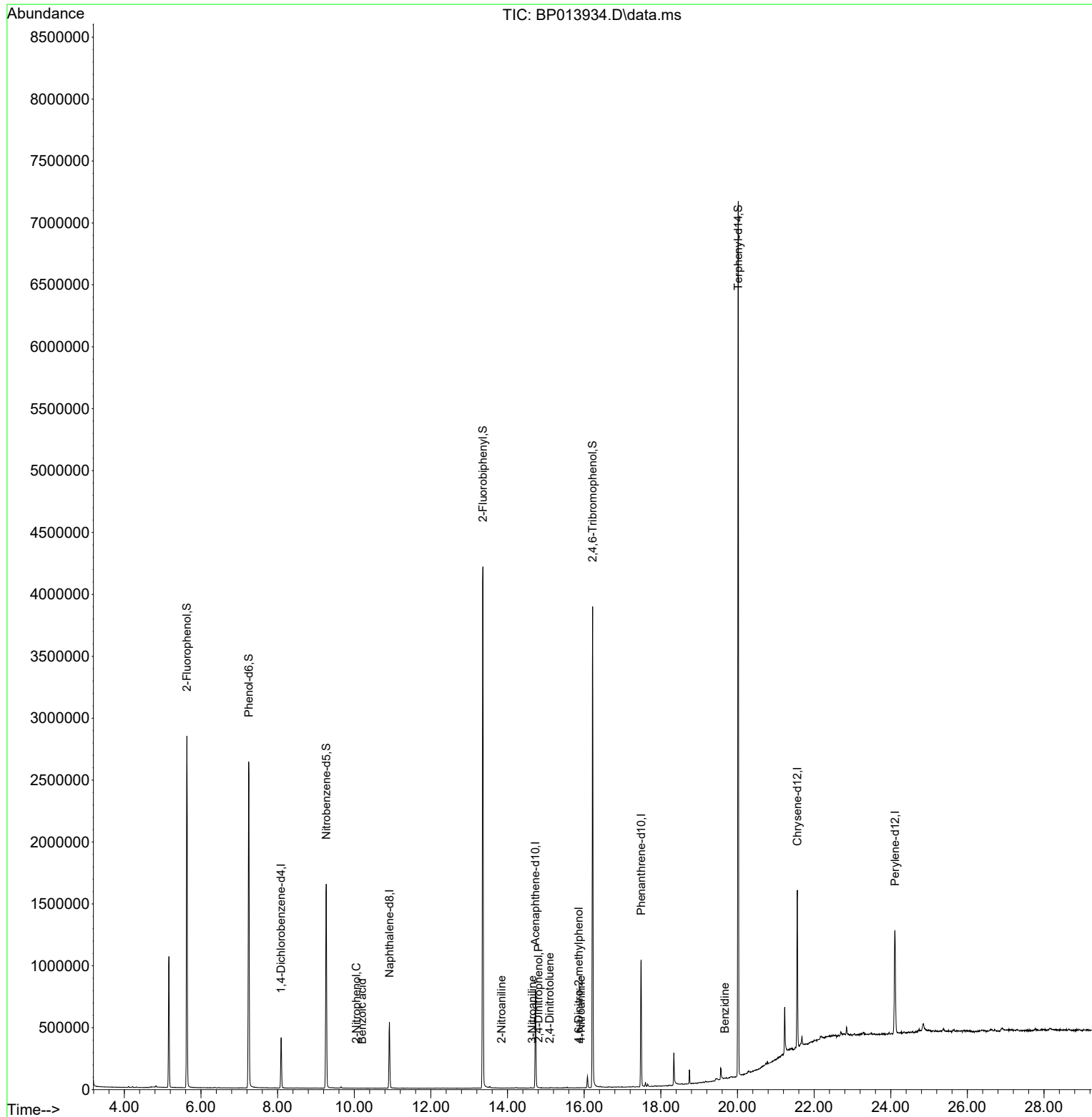
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	108115	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	425467	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	280859	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	635990	20.000	ng	0.00
76) Chrysene-d12	21.563	240	646228	20.000	ng	# 0.00
86) Perylene-d12	24.110	264	708232	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1140257	173.821	ng	0.00
7) Phenol-d6	7.246	99	1501489	178.717	ng	0.00
23) Nitrobenzene-d5	9.269	82	965052	122.484	ng	0.00
42) 2,4,6-Tribromophenol	16.222	330	734977	179.772	ng	0.00
45) 2-Fluorobiphenyl	13.357	172	2176741	101.798	ng	0.00
79) Terphenyl-d14	20.022	244	3492491	103.981	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.057	139	6	2.770	ng	# 1
32) Benzoic acid	10.204	122	23	5.079	ng	# 1
48) 2-Nitroaniline	13.845	65	50	3.239	ng	# 30
53) 3-Nitroaniline	14.645	138	11	2.010	ng	# 84
54) 2,4-Dinitrophenol	14.810	184	11	5.265	ng	# 60
57) 2,4-Dinitrotoluene	15.098	165	50	2.288	ng	# 67
62) 4-Nitroaniline	15.916	138	17	2.550	ng	92
65) 4,6-Dinitro-2-methylph...	15.857	198	2	4.624	ng	# 1
77) Benzidine	19.675	184	439	2.314	ng	# 40

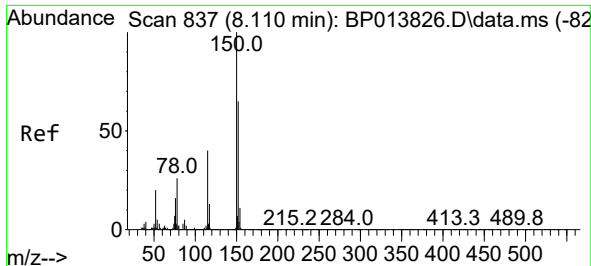
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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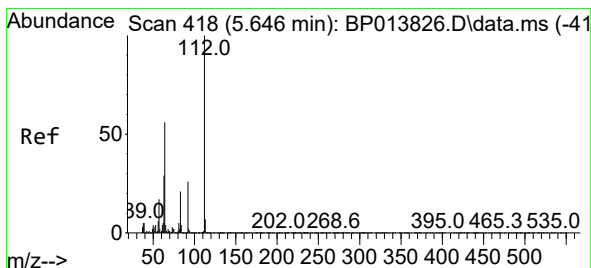
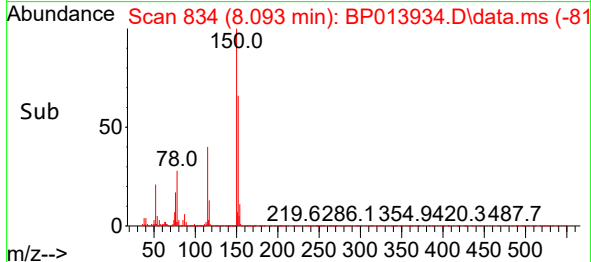
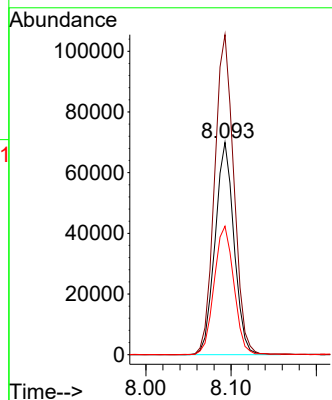
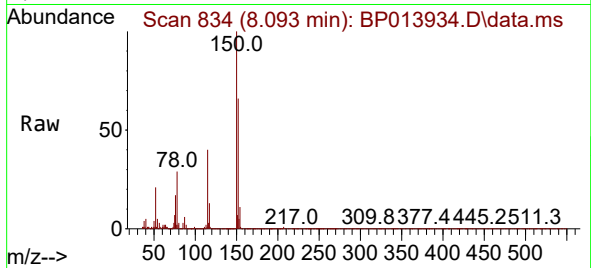




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

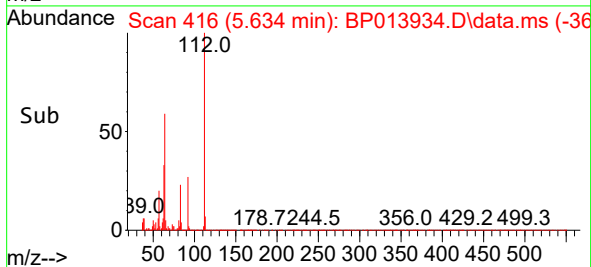
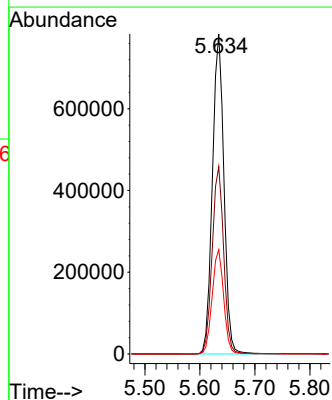
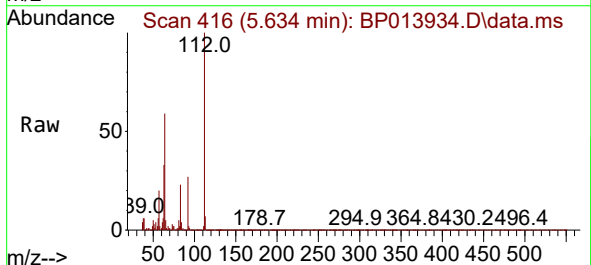
Instrument :
BNA_P
ClientSampleId :
CF-11

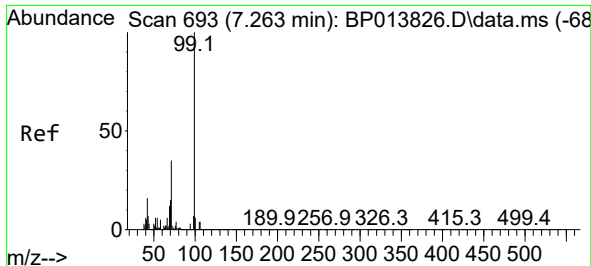
Tgt Ion:152 Resp: 108115
Ion Ratio Lower Upper
152 100
150 150.8 122.8 184.2
115 60.5 49.0 73.6



#5
2-Fluorophenol
Concen: 173.821 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

Tgt Ion:112 Resp: 1140257
Ion Ratio Lower Upper
112 100
64 58.5 44.6 66.8
63 32.6 23.6 35.4

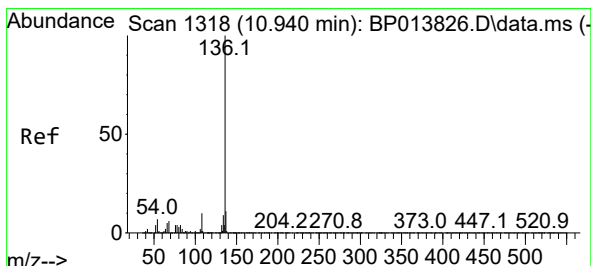
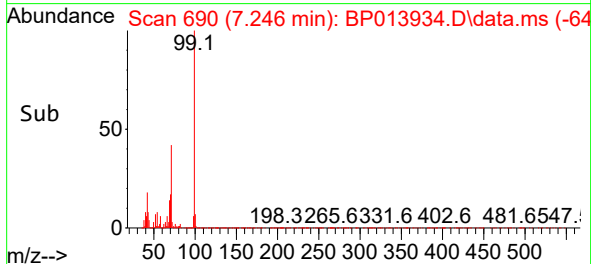
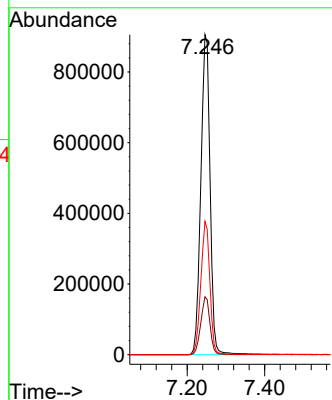
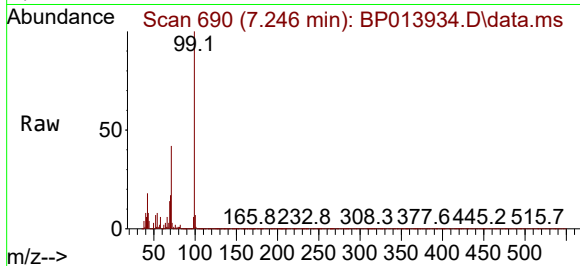




#7
Phenol-d6
Concen: 178.717 ng
RT: 7.246 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

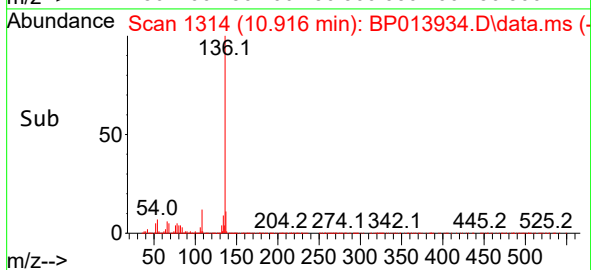
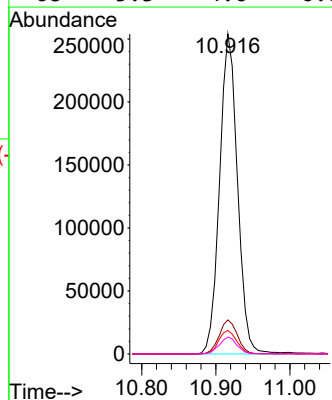
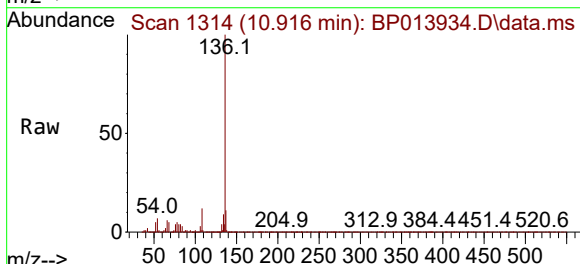
Instrument :
BNA_P
ClientSampleId :
CF-11

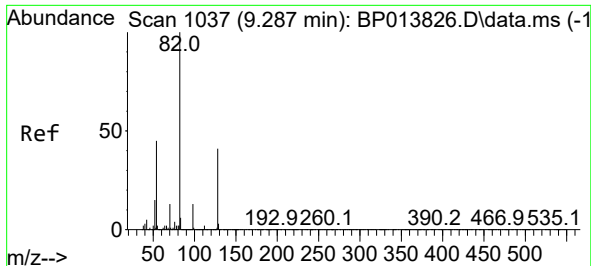
Tgt Ion: 99 Resp: 1501489
Ion Ratio Lower Upper
99 100
42 18.1 12.5 18.7
71 41.6 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

Tgt Ion: 136 Resp: 425467
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 7.4 5.8 8.6
68 5.3 4.6 6.8

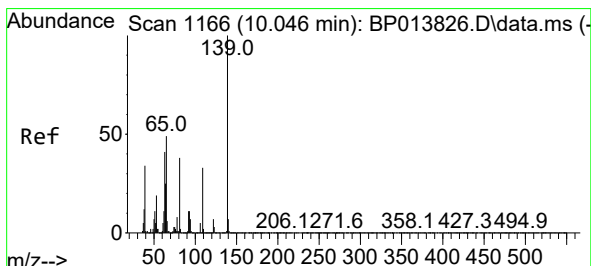
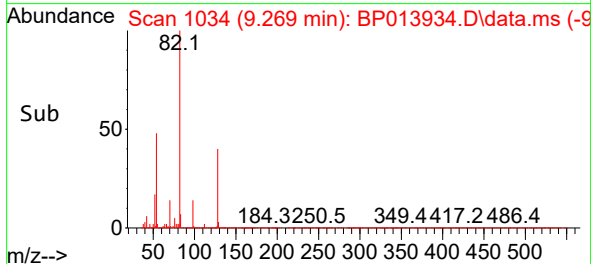
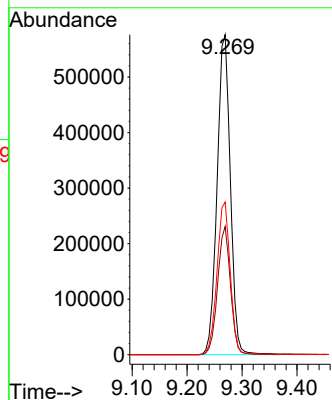
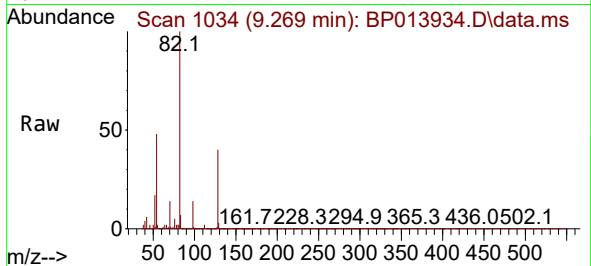




#23
Nitrobenzene-d5
Concen: 122.484 ng
RT: 9.269 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

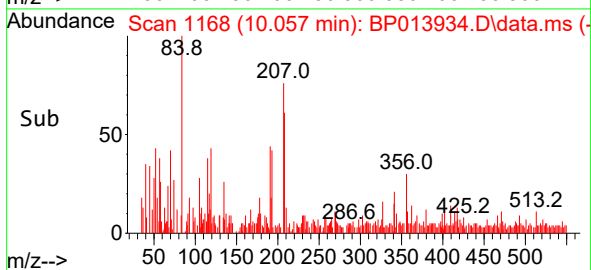
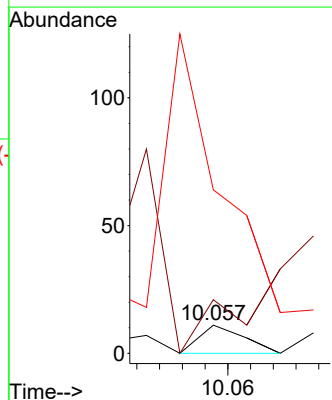
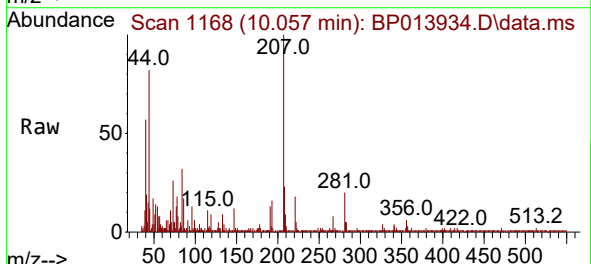
Instrument :
BNA_P
ClientSampleId :
CF-11

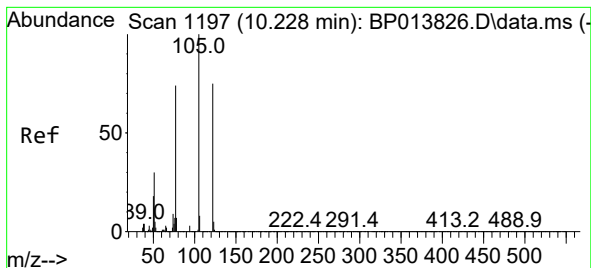
Tgt Ion: 82 Resp: 965052
Ion Ratio Lower Upper
82 100
128 40.1 32.9 49.3
54 47.7 35.6 53.4



#26
2-Nitrophenol
Concen: 2.770 ng
RT: 10.057 min Scan# 1168
Delta R.T. 0.029 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

Tgt Ion:139 Resp: 6
Ion Ratio Lower Upper
139 100
109 190.9 26.7 40.1#
65 581.8 39.4 59.2#





#32

Benzoic acid

Concen: 5.079 ng

RT: 10.204 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BP013934.D

Acq: 02 Mar 2023 21:56

Instrument :

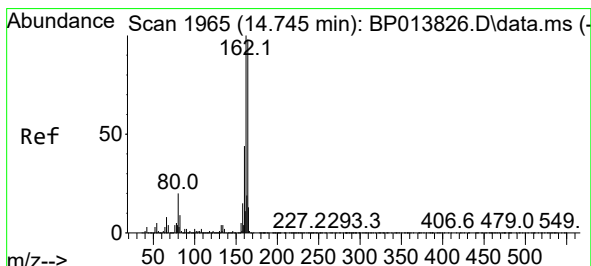
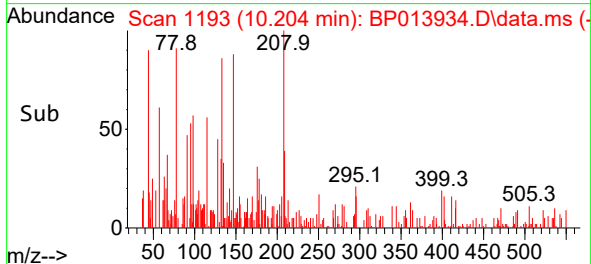
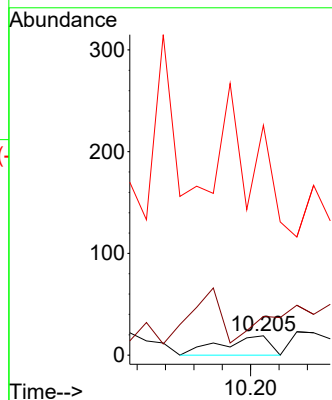
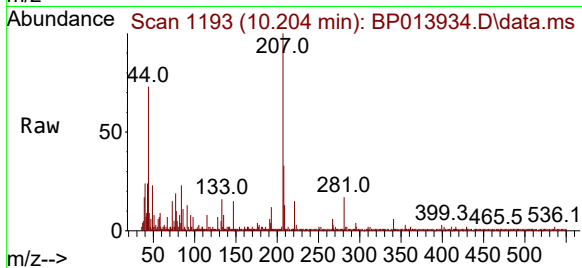
BNA_P

ClientSampleId :

CF-11

Tgt Ion:122 Resp: 23

Ion	Ratio	Lower	Upper
122	100		
105	200.0	107.4	147.4#
77	1189.5	76.0	116.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.728 min Scan# 1962

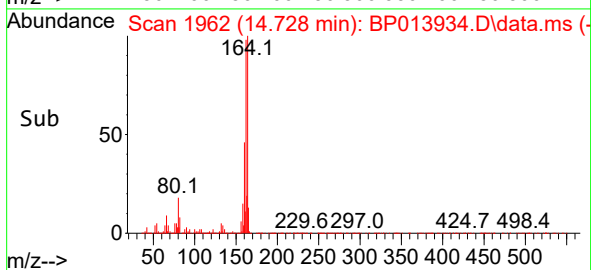
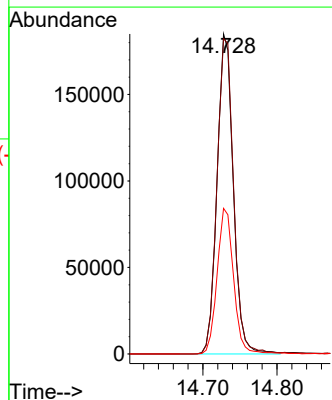
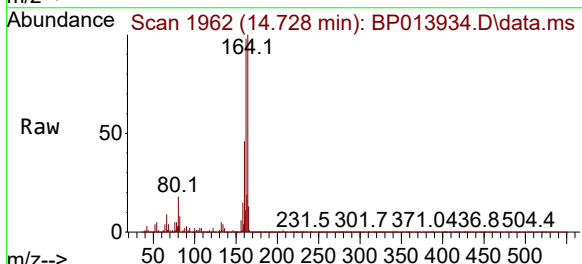
Delta R.T. -0.006 min

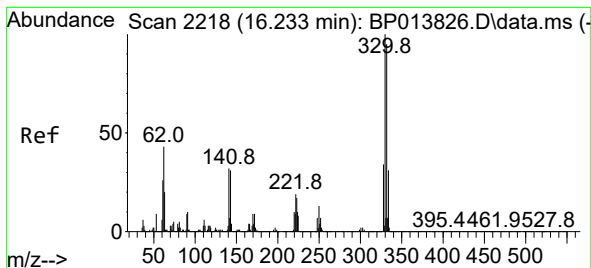
Lab File: BP013934.D

Acq: 02 Mar 2023 21:56

Tgt Ion:164 Resp: 280859

Ion	Ratio	Lower	Upper
164	100		
162	98.5	81.7	122.5
160	45.5	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 179.772 ng

RT: 16.222 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013934.D

Acq: 02 Mar 2023 21:56

Instrument :

BNA_P

ClientSampleId :

CF-11

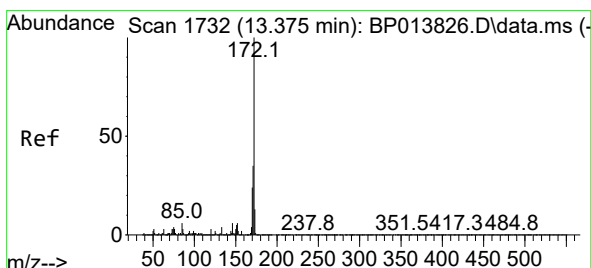
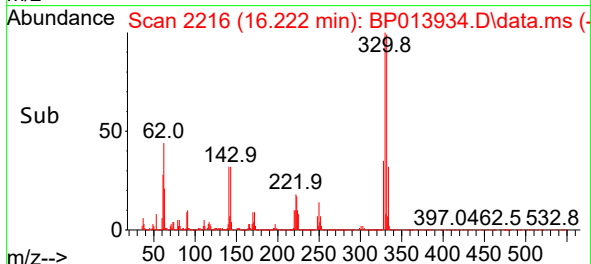
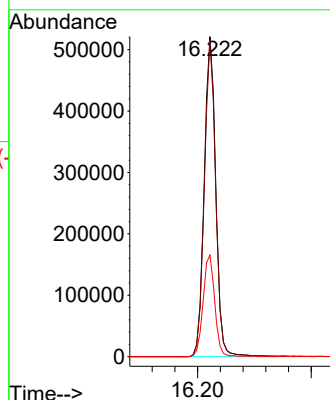
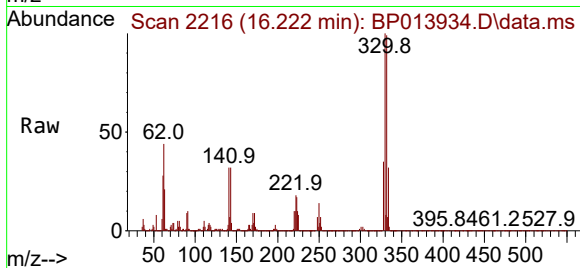
Tgt Ion:330 Resp: 734977

Ion Ratio Lower Upper

330 100

332 97.0 76.7 115.1

141 32.2 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 101.798 ng

RT: 13.357 min Scan# 1729

Delta R.T. 0.000 min

Lab File: BP013934.D

Acq: 02 Mar 2023 21:56

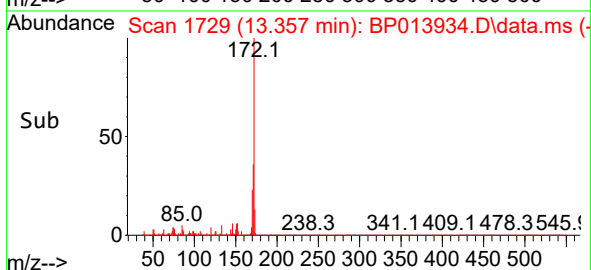
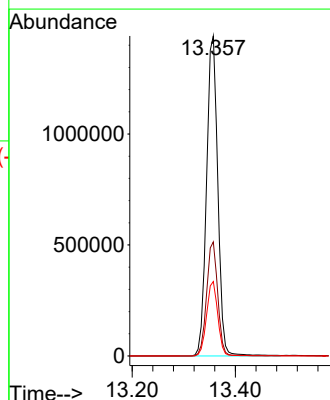
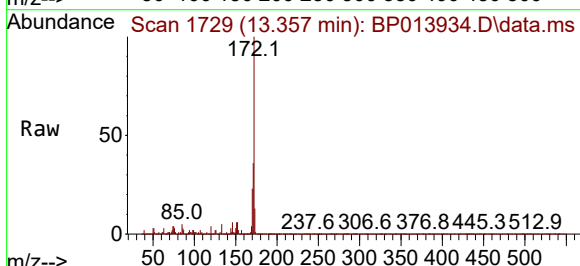
Tgt Ion:172 Resp: 2176741

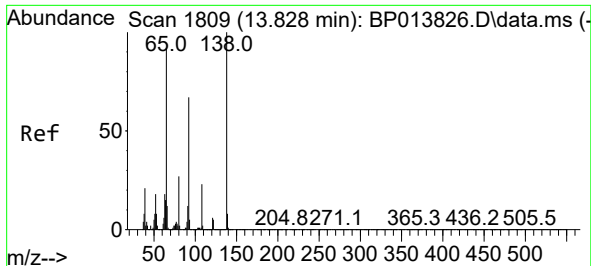
Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.3 19.0 28.4

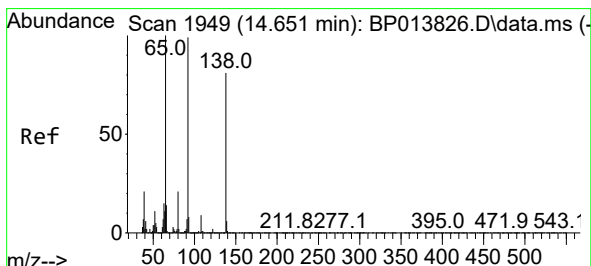
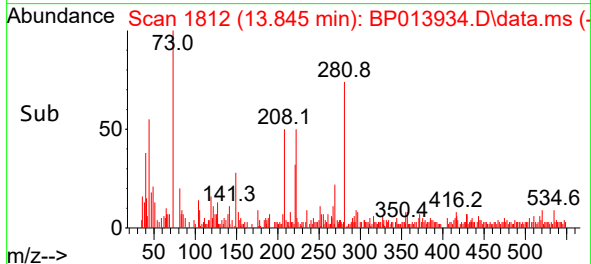
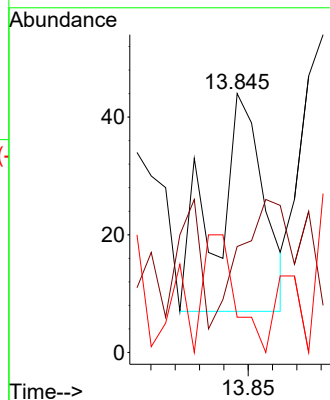
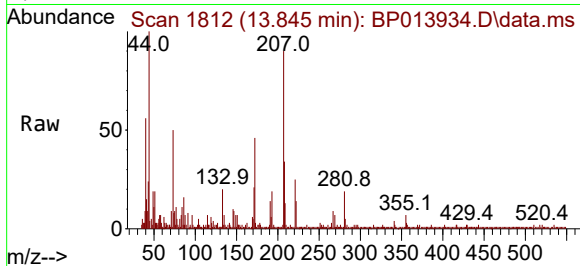




#48
2-Nitroaniline
Concen: 3.239 ng
RT: 13.845 min Scan# 11
Delta R.T. 0.029 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

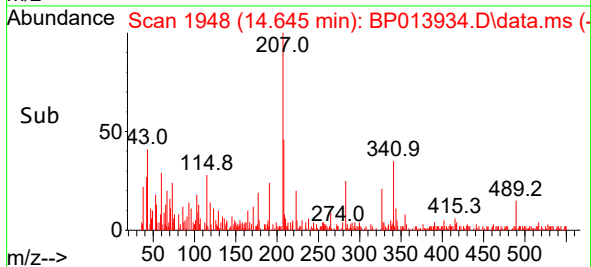
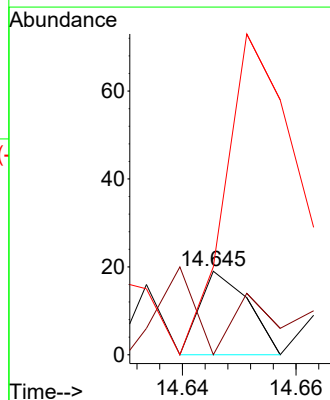
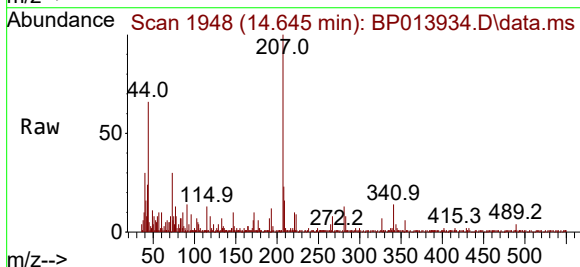
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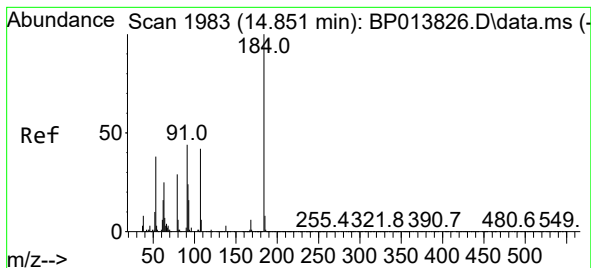
Tgt Ion: 65 Resp: 50
Ion Ratio Lower Upper
65 100
92 40.9 58.7 88.1#
138 13.6 87.3 130.9#



#53
3-Nitroaniline
Concen: 2.010 ng
RT: 14.645 min Scan# 1948
Delta R.T. 0.006 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

Tgt Ion:138 Resp: 11
Ion Ratio Lower Upper
138 100
108 0.0 9.0 13.4#
92 105.3 97.1 145.7





#54

2,4-Dinitrophenol

Concen: 5.265 ng

RT: 14.810 min Scan# 1983

Delta R.T. -0.029 min

Lab File: BP013934.D

Acq: 02 Mar 2023 21:56

Instrument :

BNA_P

ClientSampleId :

CF-11

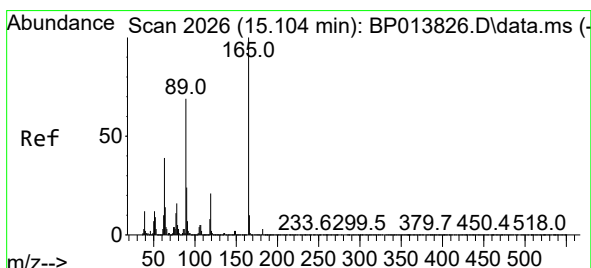
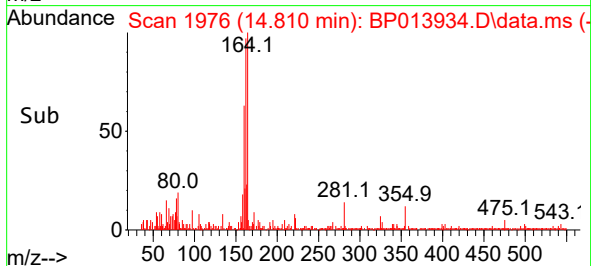
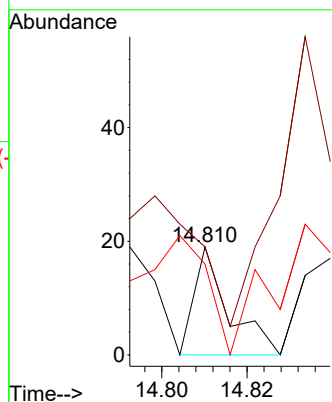
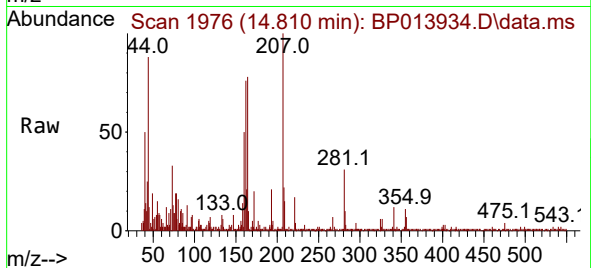
Tgt Ion:184 Resp: 11

Ion Ratio Lower Upper

184 100

63 100.0 47.0 70.4#

154 84.2 51.5 77.3#



#57

2,4-Dinitrotoluene

Concen: 2.288 ng

RT: 15.098 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BP013934.D

Acq: 02 Mar 2023 21:56

Tgt Ion:165 Resp: 50

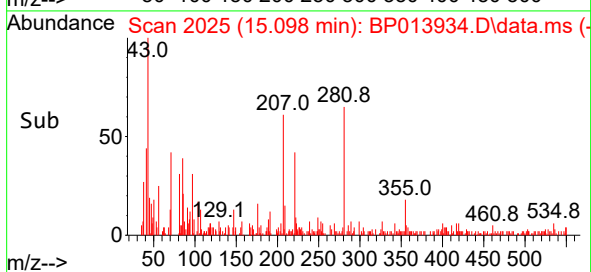
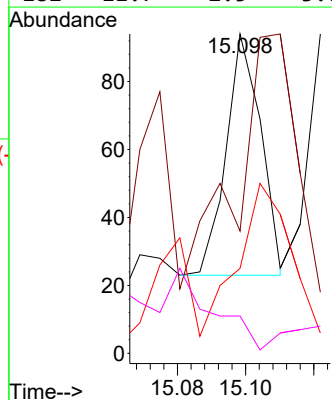
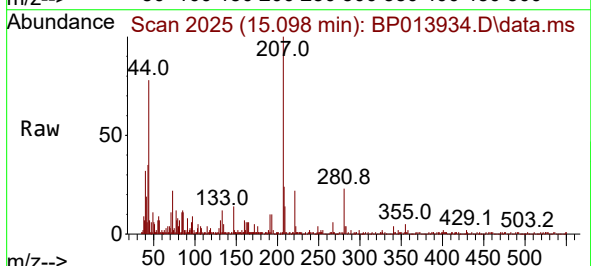
Ion Ratio Lower Upper

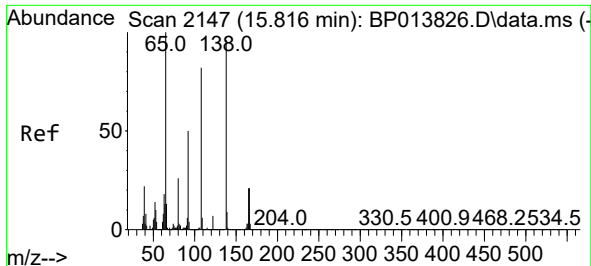
165 100

63 38.3 31.1 46.7

89 26.6 54.9 82.3#

182 11.7 2.5 3.7#

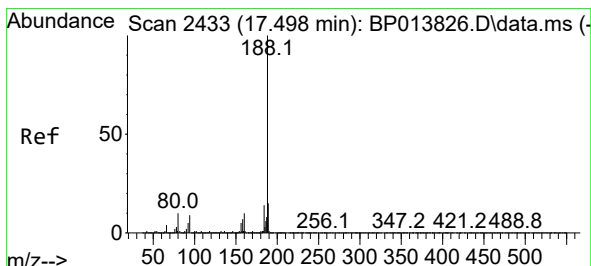
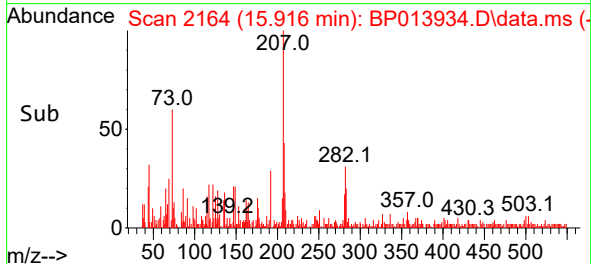
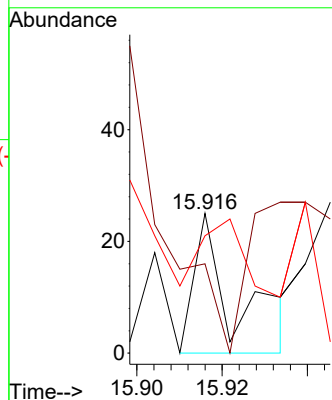
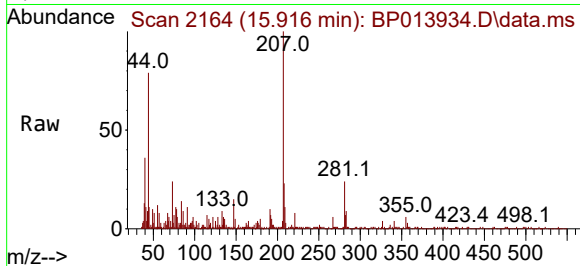




#62
4-Nitroaniline
Concen: 2.550 ng
RT: 15.916 min Scan# 2147
Delta R.T. 0.112 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

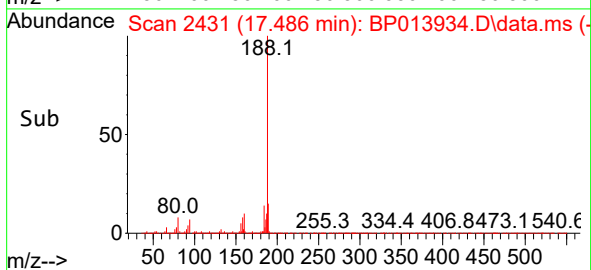
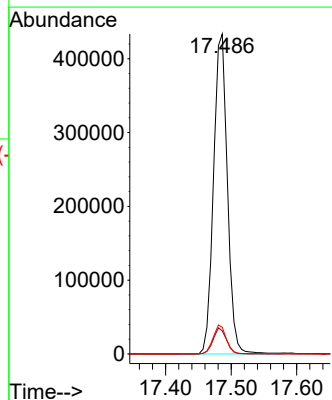
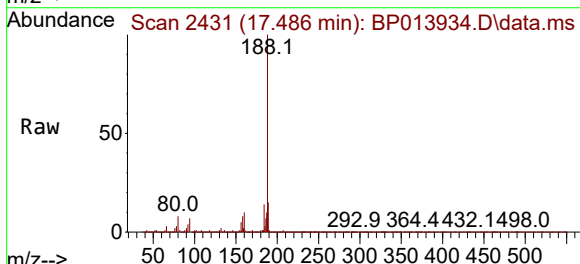
Instrument :
BNA_P
ClientSampleId :
CF-11

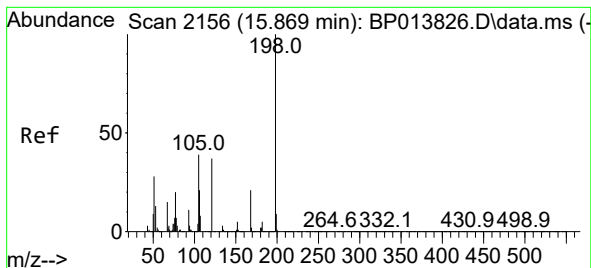
Tgt Ion:138 Resp: 17
Ion Ratio Lower Upper
138 100
92 64.0 32.0 72.0
108 84.0 65.6 105.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.486 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

Tgt Ion:188 Resp: 635990
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 8.3 7.8 11.8

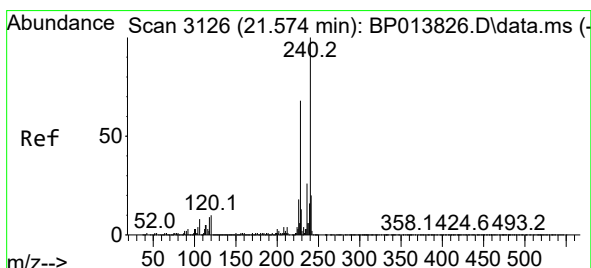
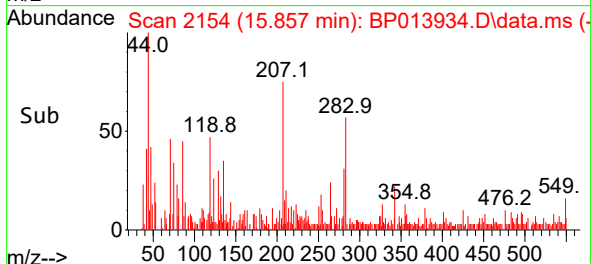
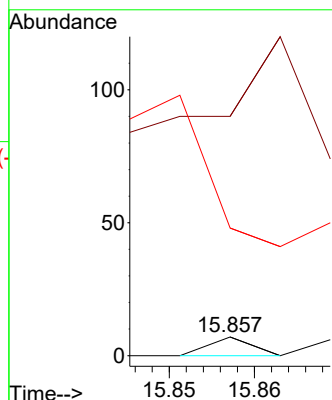
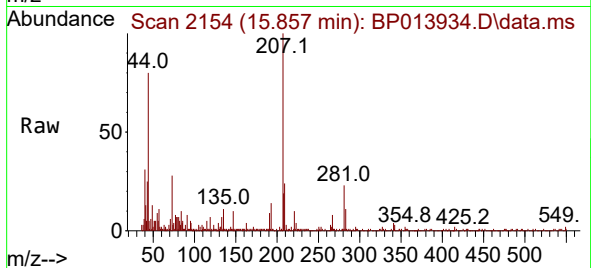




#65
4,6-Dinitro-2-methylphenol
Concen: 4.624 ng
RT: 15.857 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

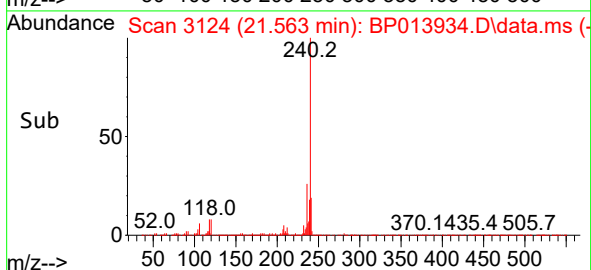
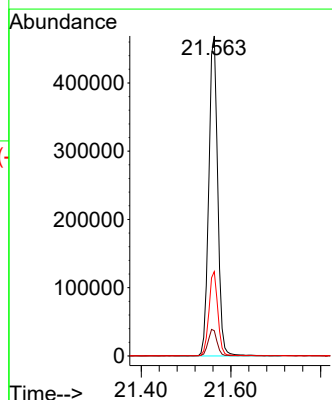
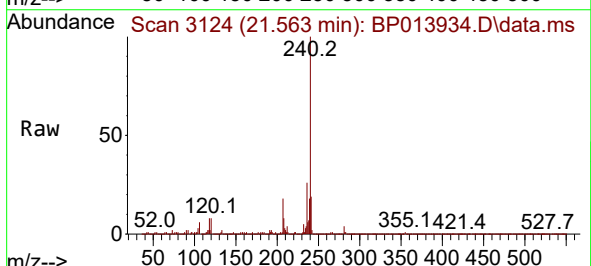
Instrument :
BNA_P
ClientSampleId :
CF-11

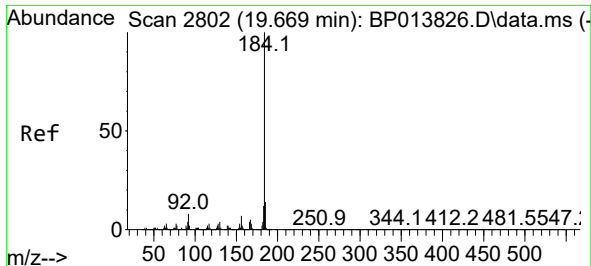
Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 1285.7 14.3 54.3#
105 700.0 20.5 60.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.563 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

Tgt Ion:240 Resp: 646228
Ion Ratio Lower Upper
240 100
120 7.9 7.9 11.9#
236 26.4 20.9 31.3

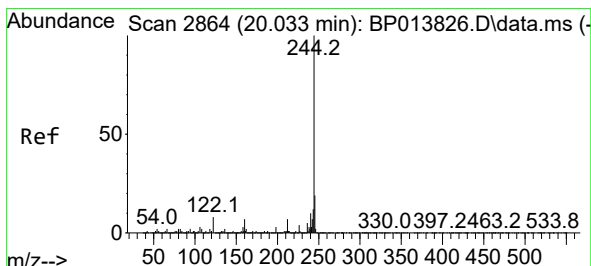
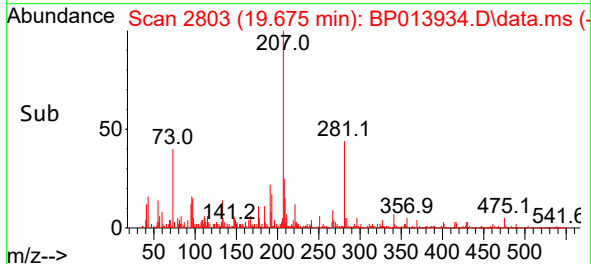
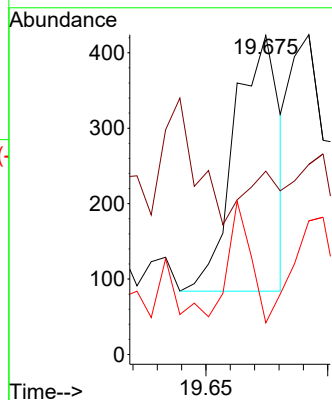
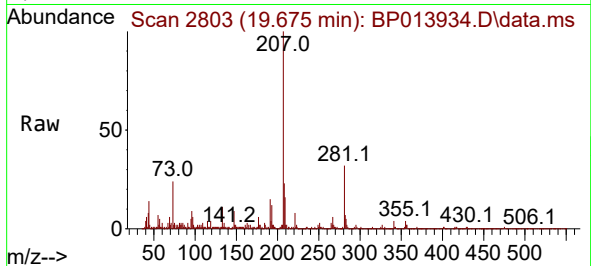




#77
Benzidine
Concen: 2.314 ng
RT: 19.675 min Scan# 2803
Delta R.T. 0.018 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

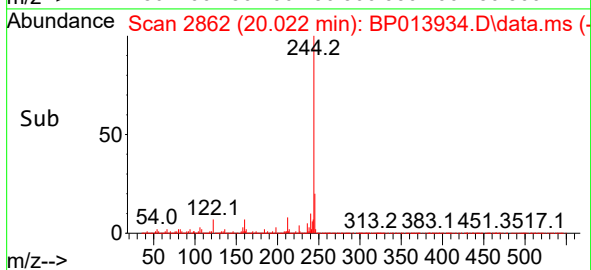
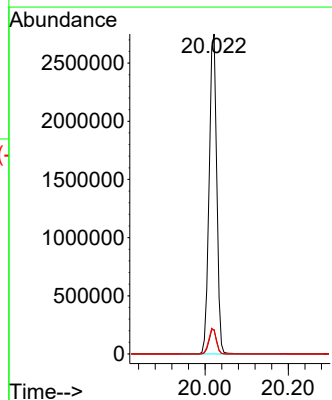
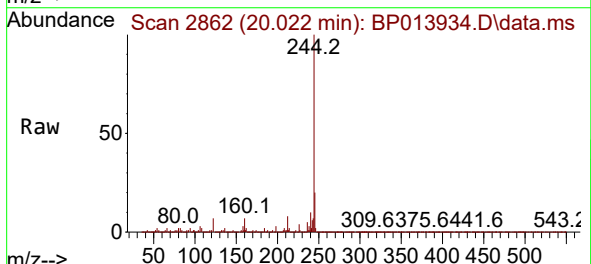
Instrument :
BNA_P
ClientSampleId :
CF-11

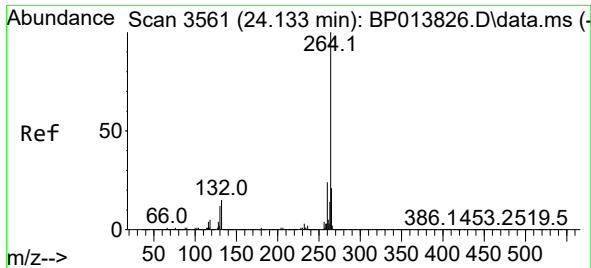
Tgt Ion:184 Resp: 439
Ion Ratio Lower Upper
184 100
185 57.4 11.4 17.0#
183 9.9 9.6 14.4



#79
Terphenyl-d14
Concen: 103.981 ng
RT: 20.022 min Scan# 2862
Delta R.T. 0.000 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

Tgt Ion:244 Resp: 3492491
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 7.3 6.7 10.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.110 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013934.D
Acq: 02 Mar 2023 21:56

Instrument :
BNA_P
ClientSampleId :
CF-11

Tgt Ion:264 Resp: 708232

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	22.0	17.6	26.4

