

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015314.D
 Acq On : 26 May 2023 17:58
 Operator : CG/JU
 Sample : 02888-04RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FS-SB-20(ELEV-13-11)

Quant Time: May 29 02:05:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

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

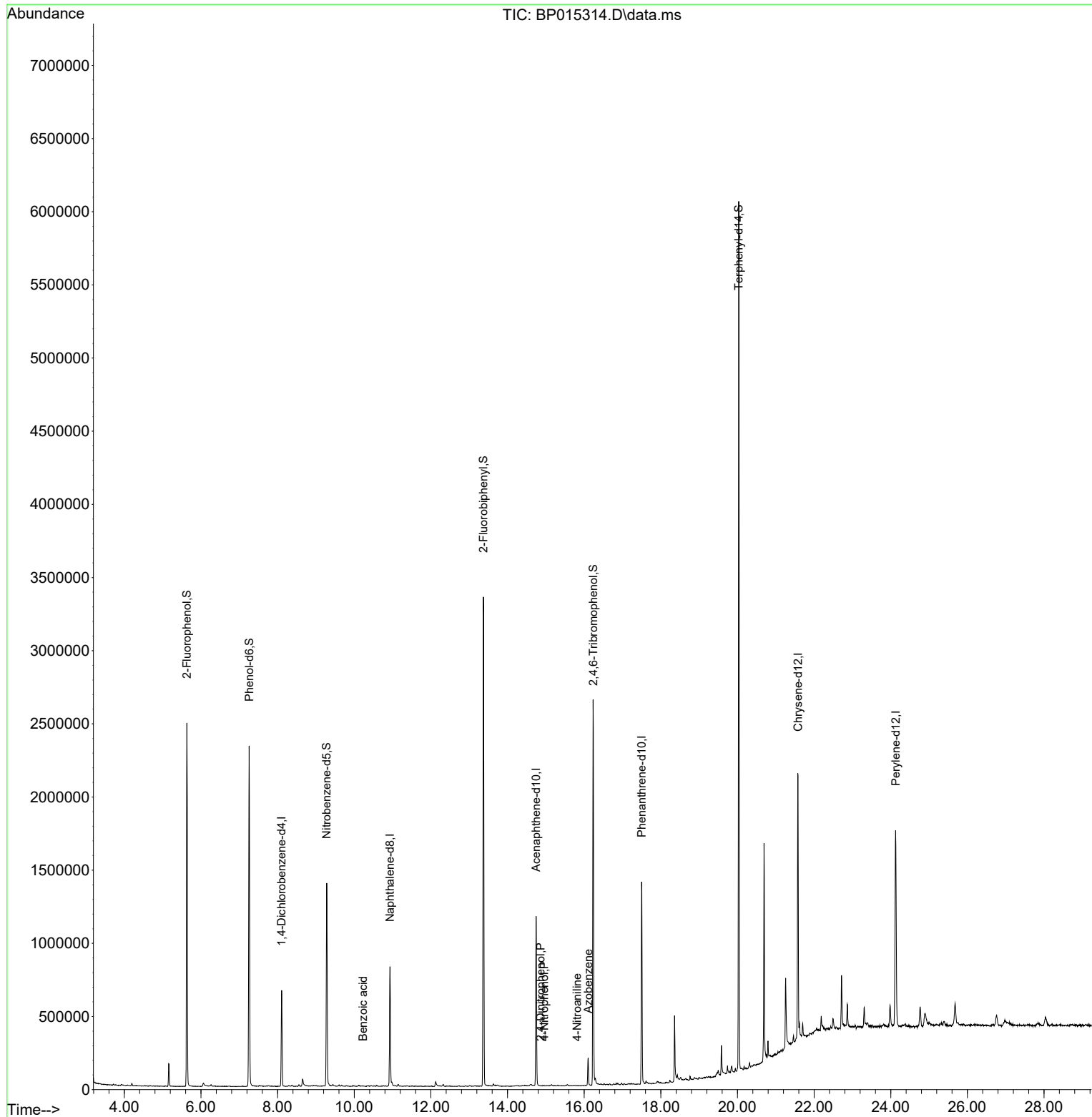
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	172050	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	648812	20.000	ng	0.00
39) Acenaphthene-d10	14.746	164	378464	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	838456	20.000	ng	0.00
76) Chrysene-d12	21.580	240	893410	20.000	ng	0.00
86) Perylene-d12	24.127	264	1087665	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1004833	96.778	ng	0.00
7) Phenol-d6	7.258	99	1275592	93.746	ng	0.00
23) Nitrobenzene-d5	9.281	82	794526	59.792	ng	-0.01
42) 2,4,6-Tribromophenol	16.240	330	474104	92.183	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1686648	59.832	ng	-0.01
79) Terphenyl-d14	20.033	244	2801313	58.978	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.246	77	8570	Below Cal	#	73
32) Benzoic acid	10.228	122	230	6.369 ng	#	1
54) 2,4-Dinitrophenol	14.863	184	14	5.191 ng	#	1
56) 4-Nitrophenol	14.957	139	88	3.444 ng	#	61
62) 4-Nitroaniline	15.816	138	111	2.321 ng	#	37
63) Azobenzene	16.104	77	56551	2.010 ng	#	1

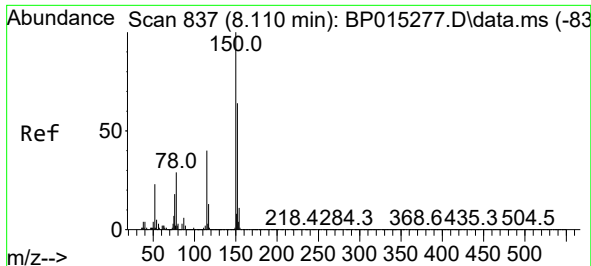
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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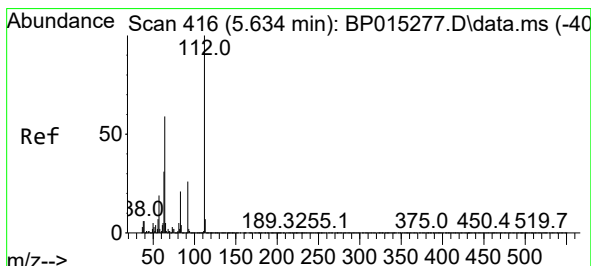
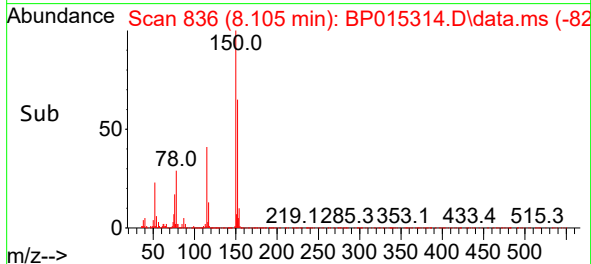
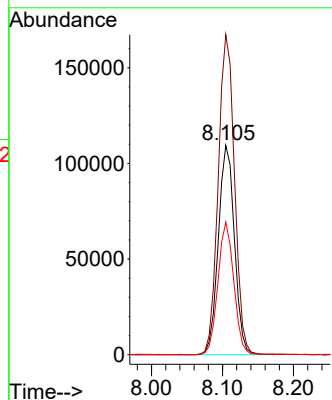
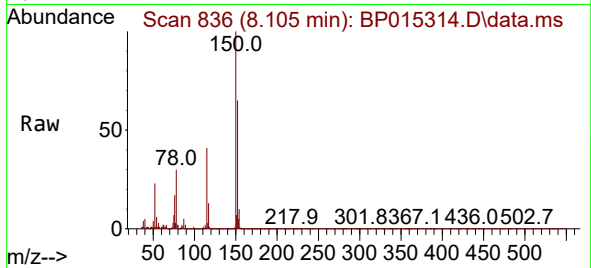




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP015314.D
Acq: 26 May 2023 17:58

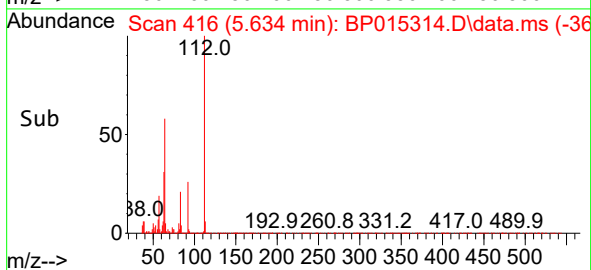
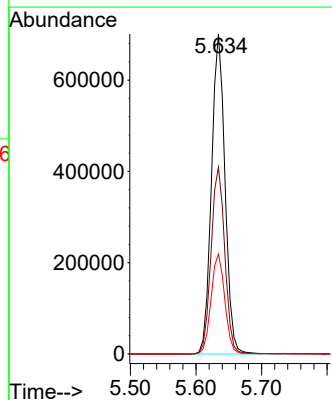
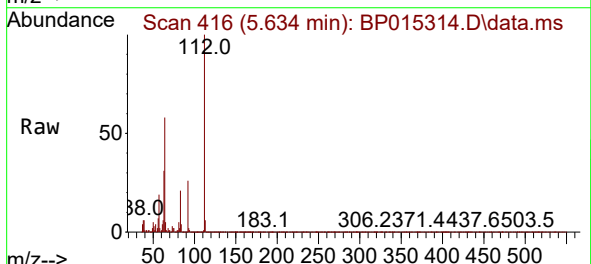
Instrument :
BNA_P
ClientSampleId :
FS-SB-20(ELEV-13-11)

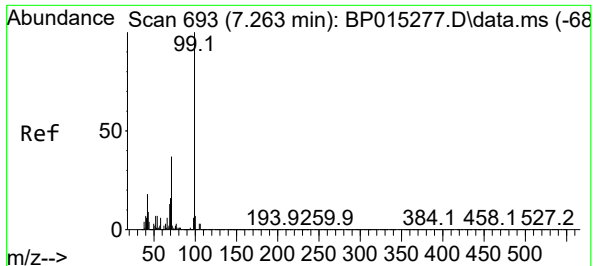
Tgt Ion:152 Resp: 172050
Ion Ratio Lower Upper
152 100
150 152.9 124.2 186.2
115 63.2 49.1 73.7



#5
2-Fluorophenol
Concen: 96.778 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015314.D
Acq: 26 May 2023 17:58

Tgt Ion:112 Resp: 1004833
Ion Ratio Lower Upper
112 100
64 58.4 47.2 70.8
63 31.2 24.6 37.0



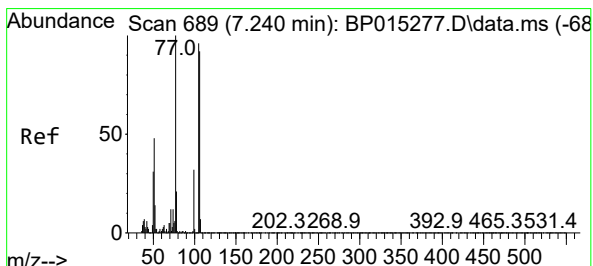
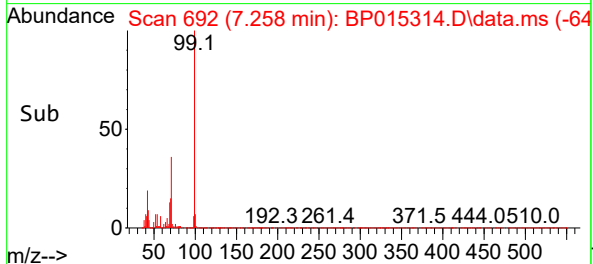
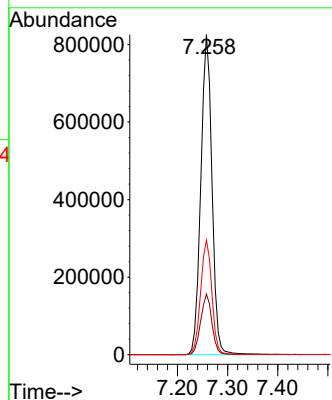
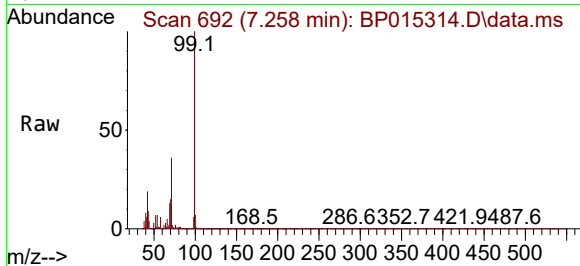


#7
Phenol-d6
Concen: 93.746 ng
RT: 7.258 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP015314.D
Acq: 26 May 2023 17:58

Instrument :
BNA_P
ClientSampleId :
FS-SB-20(ELEV-13-11)

Tgt Ion: 99 Resp: 1275592

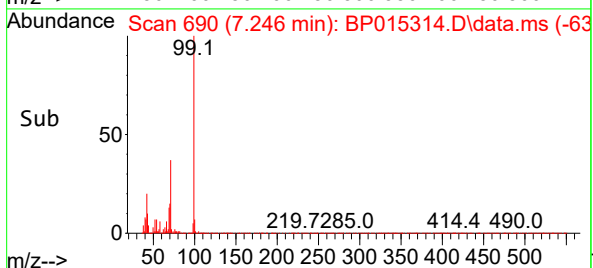
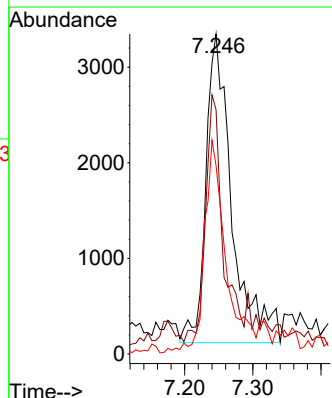
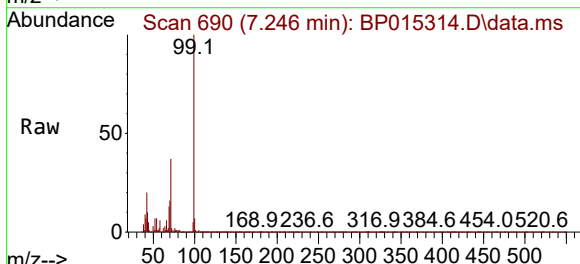
Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.6	22.0
71	35.8	29.4	44.2

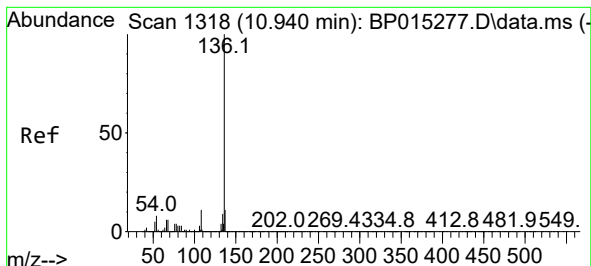


#9
Benzaldehyde
Concen: Below Cal
RT: 7.246 min Scan# 690
Delta R.T. 0.006 min
Lab File: BP015314.D
Acq: 26 May 2023 17:58

Tgt Ion: 77 Resp: 8570

Ion	Ratio	Lower	Upper
77	100		
105	76.3	75.9	115.9
106	58.8	72.3	112.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.934 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP015314.D

Acq: 26 May 2023 17:58

Instrument :

BNA_P

ClientSampleId :

FS-SB-20(ELEV-13-11)

Tgt Ion:136 Resp: 648812

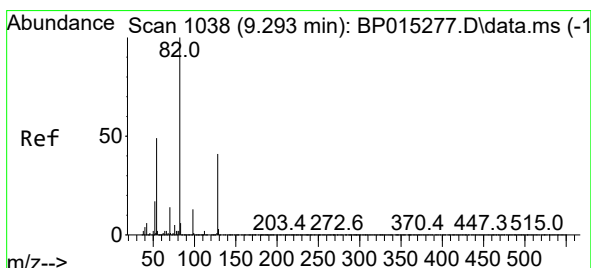
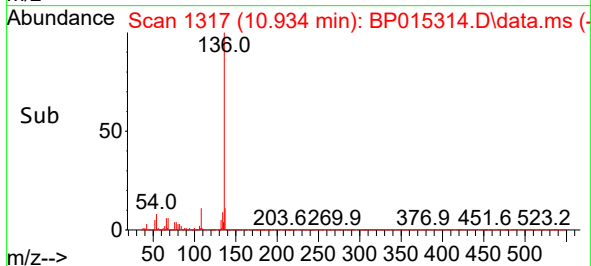
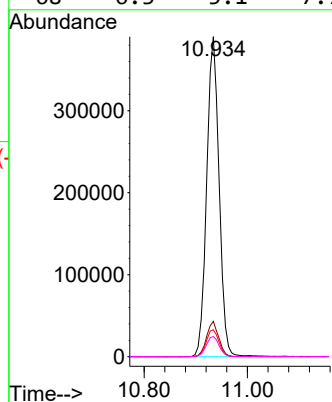
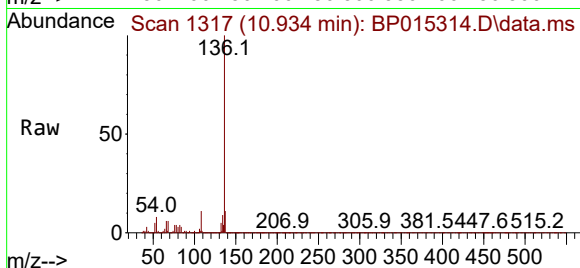
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.4 6.3 9.5

68 6.3 5.1 7.7



#23

Nitrobenzene-d5

Concen: 59.792 ng

RT: 9.281 min Scan# 1036

Delta R.T. -0.012 min

Lab File: BP015314.D

Acq: 26 May 2023 17:58

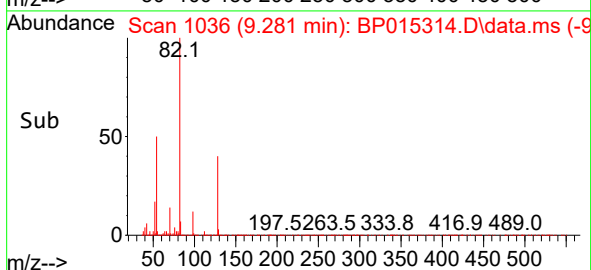
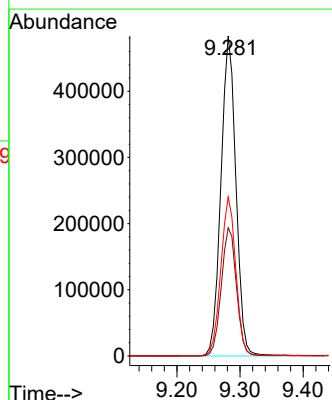
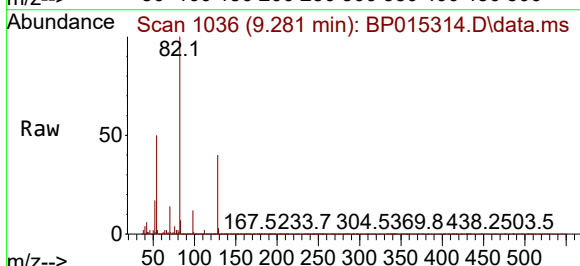
Tgt Ion: 82 Resp: 794526

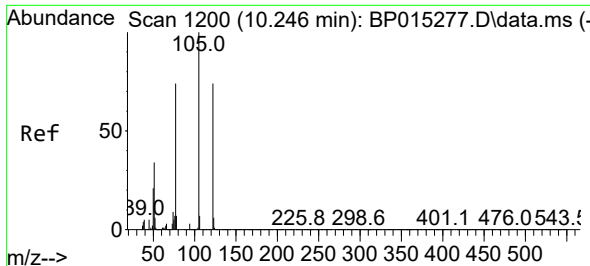
Ion Ratio Lower Upper

82 100

128 40.1 33.0 49.4

54 49.7 39.2 58.8

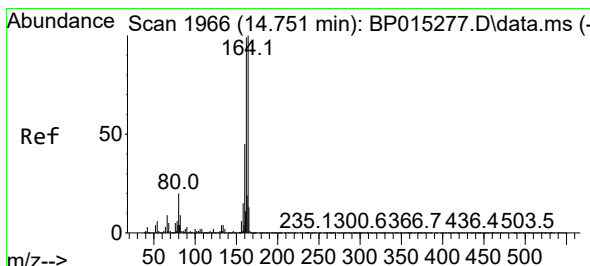
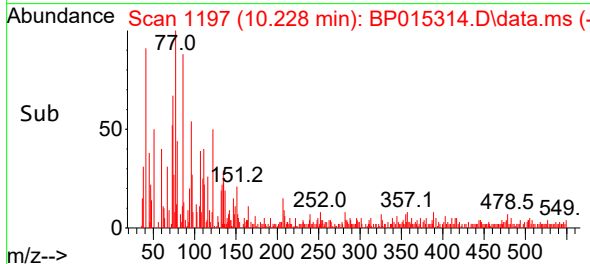
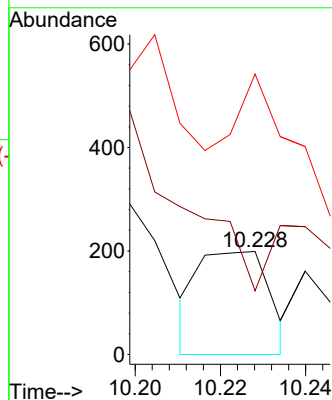
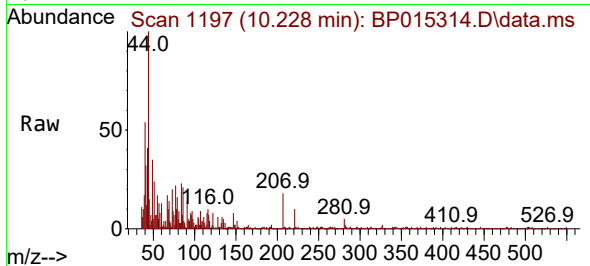




#32
Benzoic acid
Concen: 6.369 ng
RT: 10.228 min Scan# 1119
Delta R.T. -0.018 min
Lab File: BP015314.D
Acq: 26 May 2023 17:58

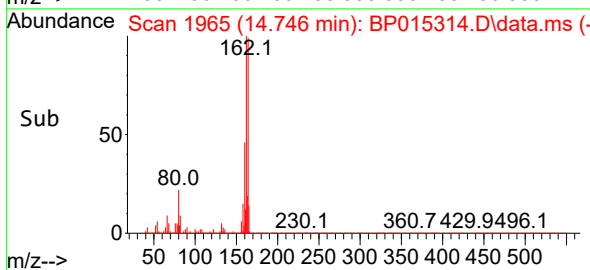
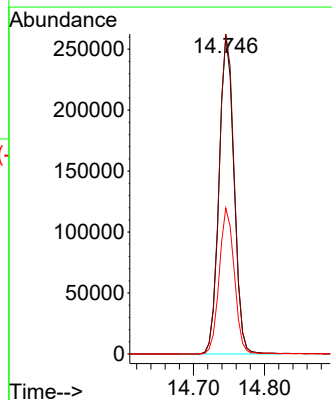
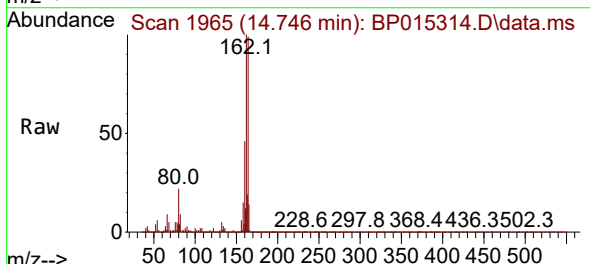
Instrument :
BNA_P
ClientSampleId :
FS-SB-20(ELEV-13-11)

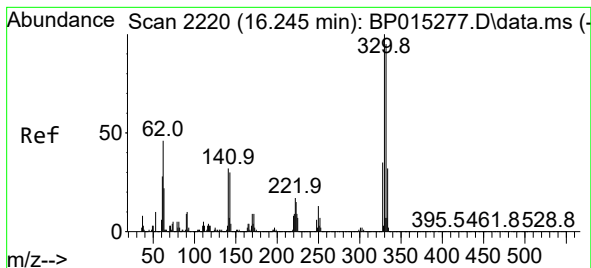
Tgt Ion:122 Resp: 230
Ion Ratio Lower Upper
122 100
105 61.8 109.5 149.5#
77 272.4 78.2 118.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.746 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP015314.D
Acq: 26 May 2023 17:58

Tgt Ion:164 Resp: 378464
Ion Ratio Lower Upper
164 100
162 100.7 79.4 119.2
160 45.9 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 92.183 ng

RT: 16.240 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015314.D

Acq: 26 May 2023 17:58

Instrument :

BNA_P

ClientSampleId :

FS-SB-20(ELEV-13-11)

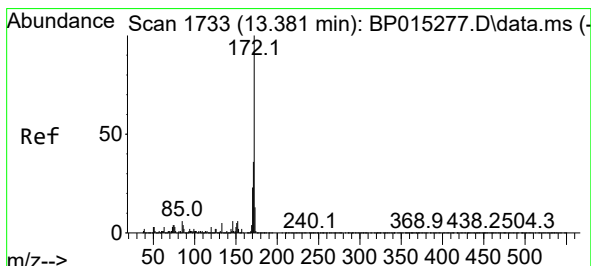
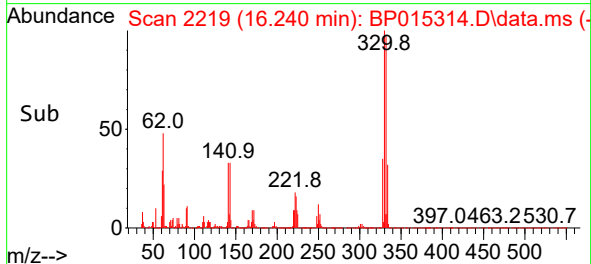
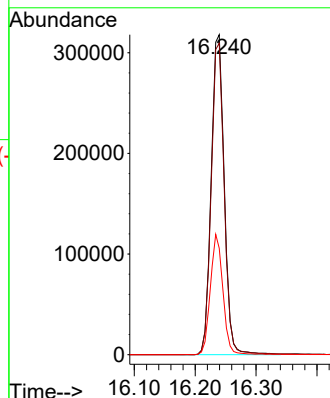
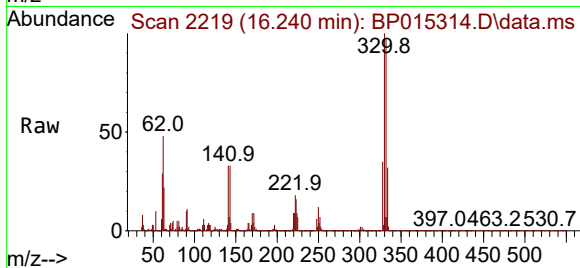
Tgt Ion:330 Resp: 474104

Ion Ratio Lower Upper

330 100

332 97.0 76.3 114.5

141 36.4 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 59.832 ng

RT: 13.369 min Scan# 1731

Delta R.T. -0.012 min

Lab File: BP015314.D

Acq: 26 May 2023 17:58

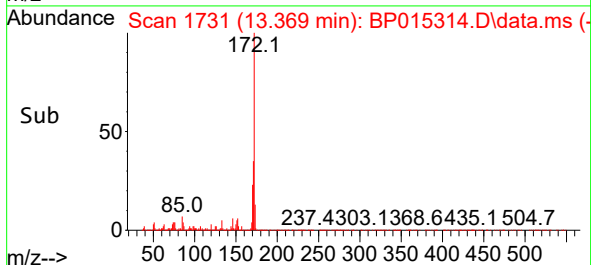
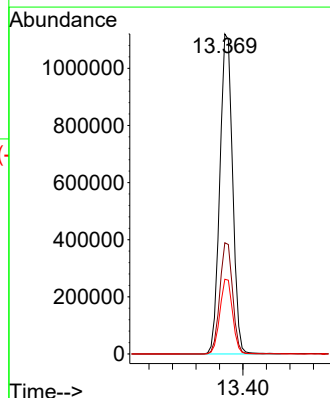
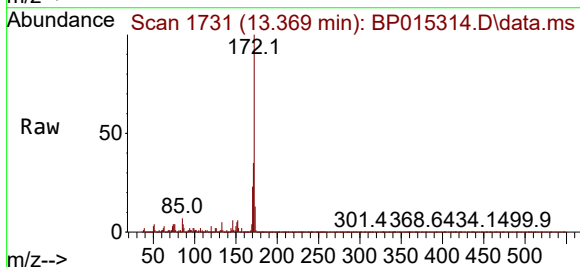
Tgt Ion:172 Resp: 1686648

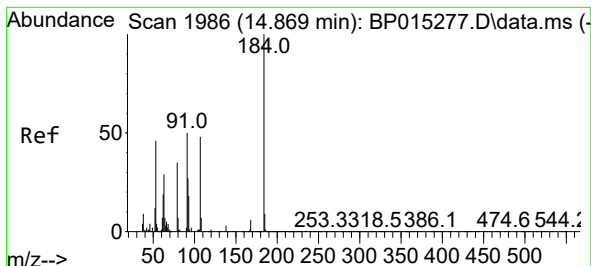
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.3 18.7 28.1





#54

2,4-Dinitrophenol

Concen: 5.191 ng

RT: 14.863 min Scan# 1986

Delta R.T. -0.006 min

Lab File: BP015314.D

Acq: 26 May 2023 17:58

Instrument :

BNA_P

ClientSampleId :

FS-SB-20(ELEV-13-11)

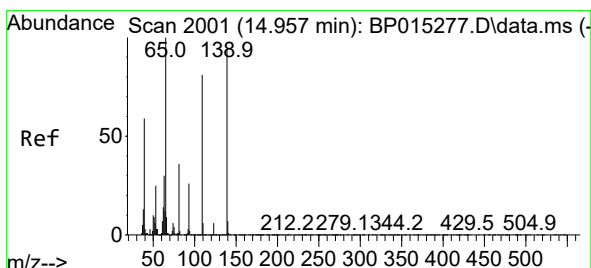
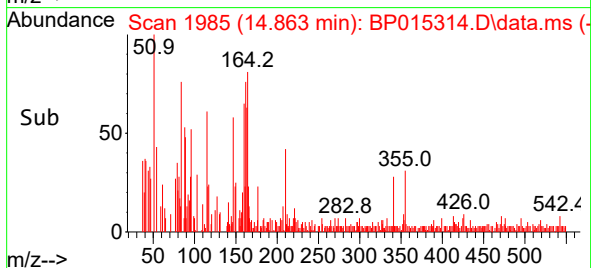
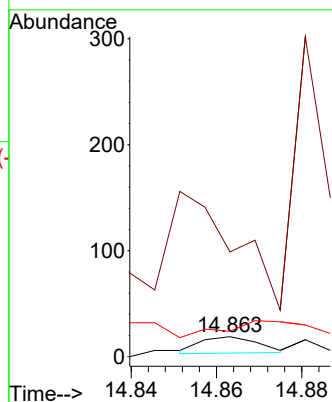
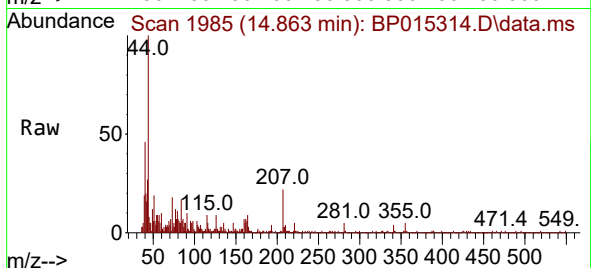
Tgt Ion:184 Resp: 14

Ion Ratio Lower Upper

184 100

63 521.1 56.2 84.4#

154 126.3 53.2 79.8#



#56

4-Nitrophenol

Concen: 3.444 ng

RT: 14.957 min Scan# 2001

Delta R.T. 0.000 min

Lab File: BP015314.D

Acq: 26 May 2023 17:58

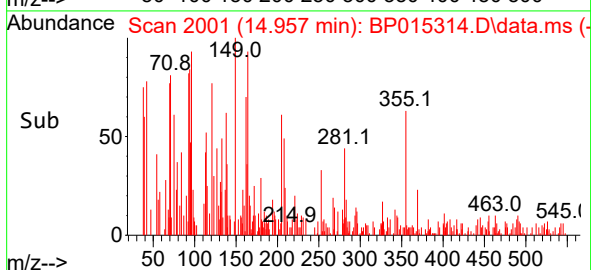
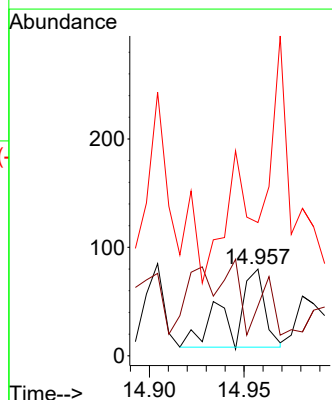
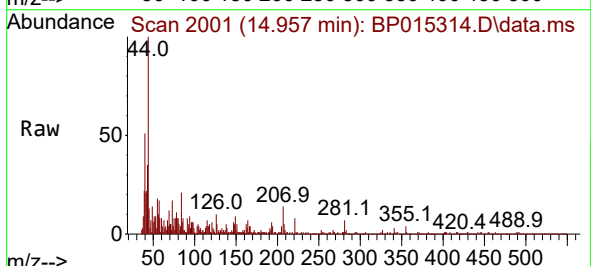
Tgt Ion:139 Resp: 88

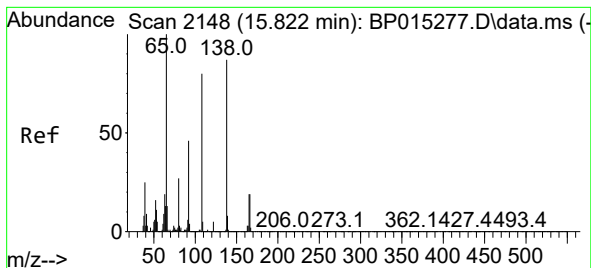
Ion Ratio Lower Upper

139 100

109 57.5 66.5 106.5#

65 153.8 86.6 126.6#





#62

4-Nitroaniline

Concen: 2.321 ng

RT: 15.816 min Scan# 2147

Delta R.T. -0.006 min

Lab File: BP015314.D

Acq: 26 May 2023 17:58

Instrument :

BNA_P

ClientSampleId :

FS-SB-20(ELEV-13-11)

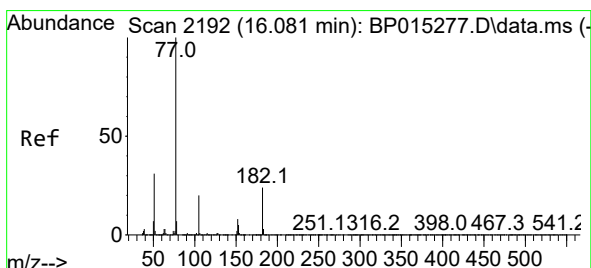
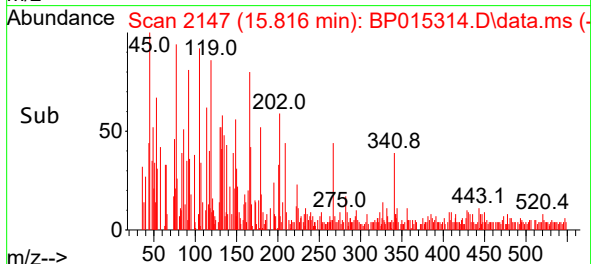
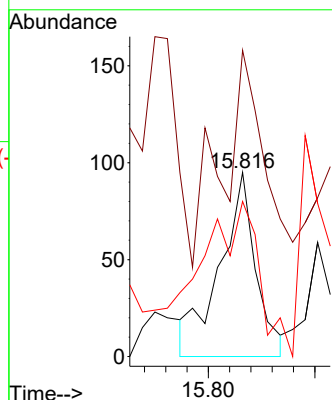
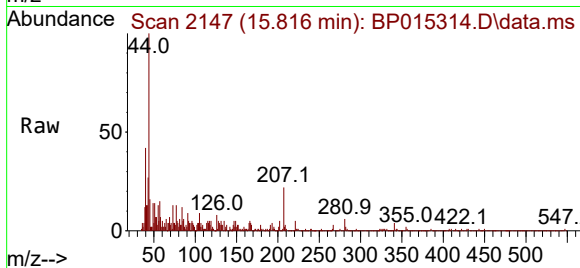
Tgt Ion:138 Resp: 111

Ion Ratio Lower Upper

138 100

92 166.3 33.1 73.1#

108 84.2 71.0 111.0



#63

Azobenzene

Concen: 2.010 ng

RT: 16.104 min Scan# 2196

Delta R.T. 0.024 min

Lab File: BP015314.D

Acq: 26 May 2023 17:58

Tgt Ion: 77 Resp: 56551

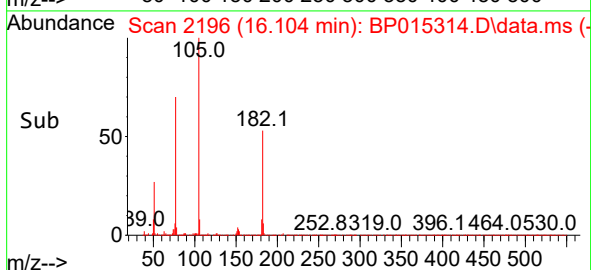
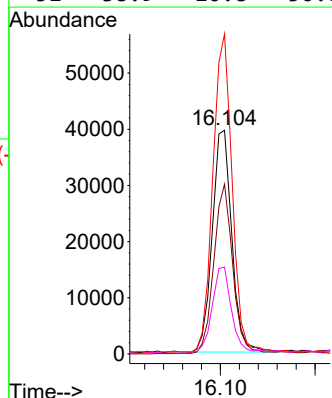
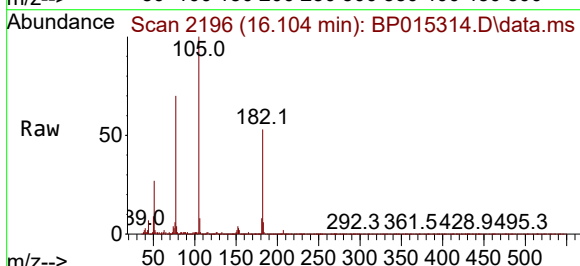
Ion Ratio Lower Upper

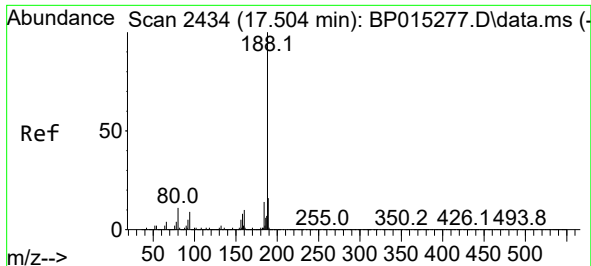
77 100

182 75.9 3.9 43.9#

105 143.1 0.3 40.3#

51 38.9 10.8 50.8

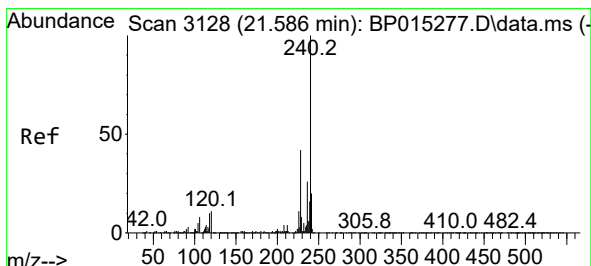
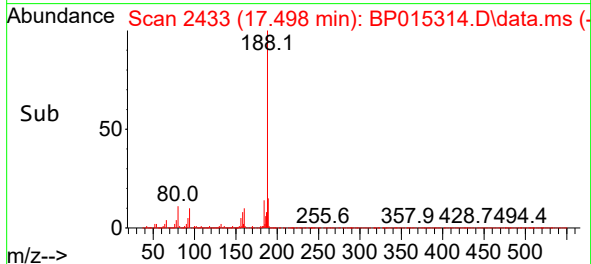
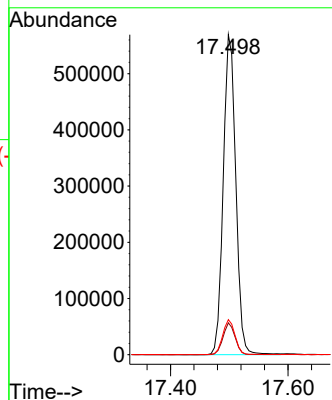
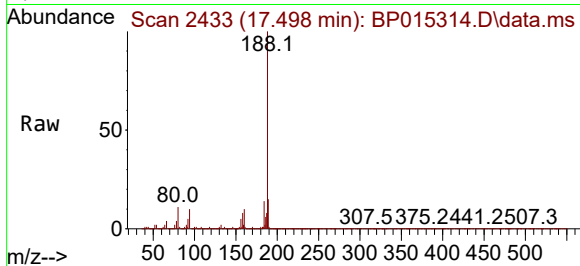




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP015314.D
Acq: 26 May 2023 17:58

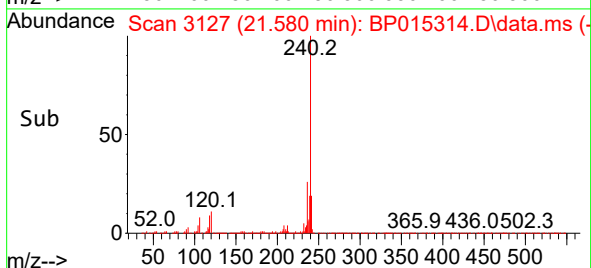
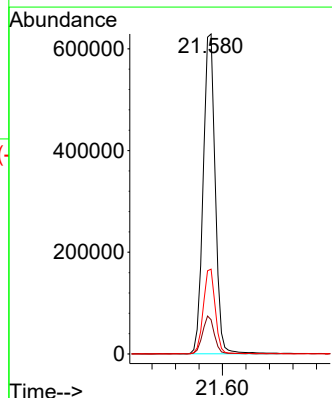
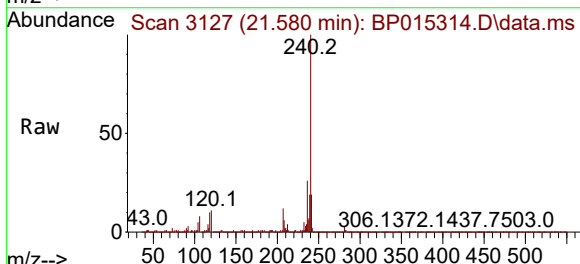
Instrument :
BNA_P
ClientSampleId :
FS-SB-20(ELEV-13-11)

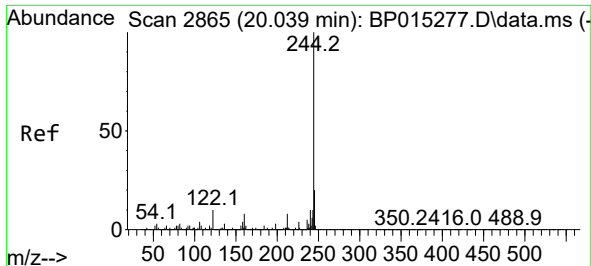
Tgt Ion:188 Resp: 838456
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.0
80 10.9 8.6 13.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BP015314.D
Acq: 26 May 2023 17:58

Tgt Ion:240 Resp: 893410
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 26.5 20.5 30.7

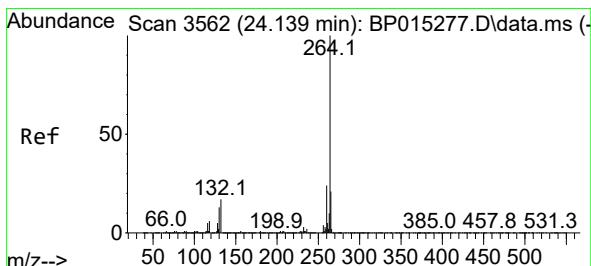
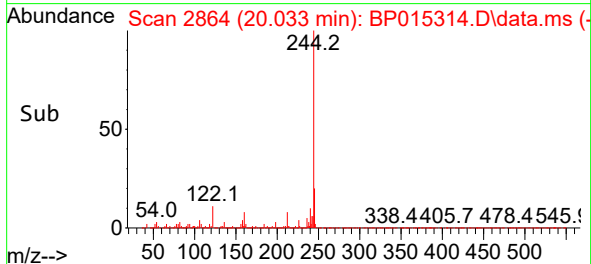
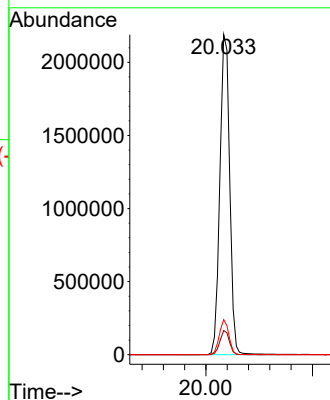
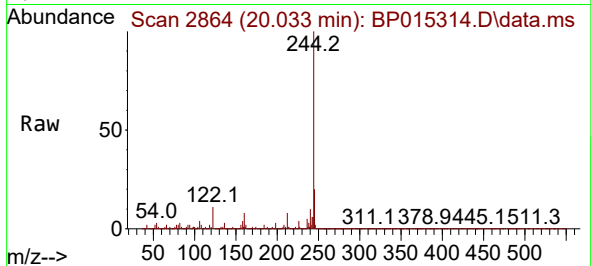




#79
 Terphenyl-d14
 Concen: 58.978 ng
 RT: 20.033 min Scan# 2865
 Delta R.T. -0.006 min
 Lab File: BP015314.D
 Acq: 26 May 2023 17:58

Instrument :
 BNA_P
 ClientSampleId :
 FS-SB-20(ELEV-13-11)

Tgt Ion:244 Resp: 2801313
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 10.9 8.2 12.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.127 min Scan# 3560
 Delta R.T. -0.012 min
 Lab File: BP015314.D
 Acq: 26 May 2023 17:58

Tgt Ion:264 Resp: 1087665
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 22.0 17.5 26.3

