

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015311.D
 Acq On : 26 May 2023 16:17
 Operator : CG/JU
 Sample : 02908-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TWP02

Quant Time: May 26 18:10:38 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)

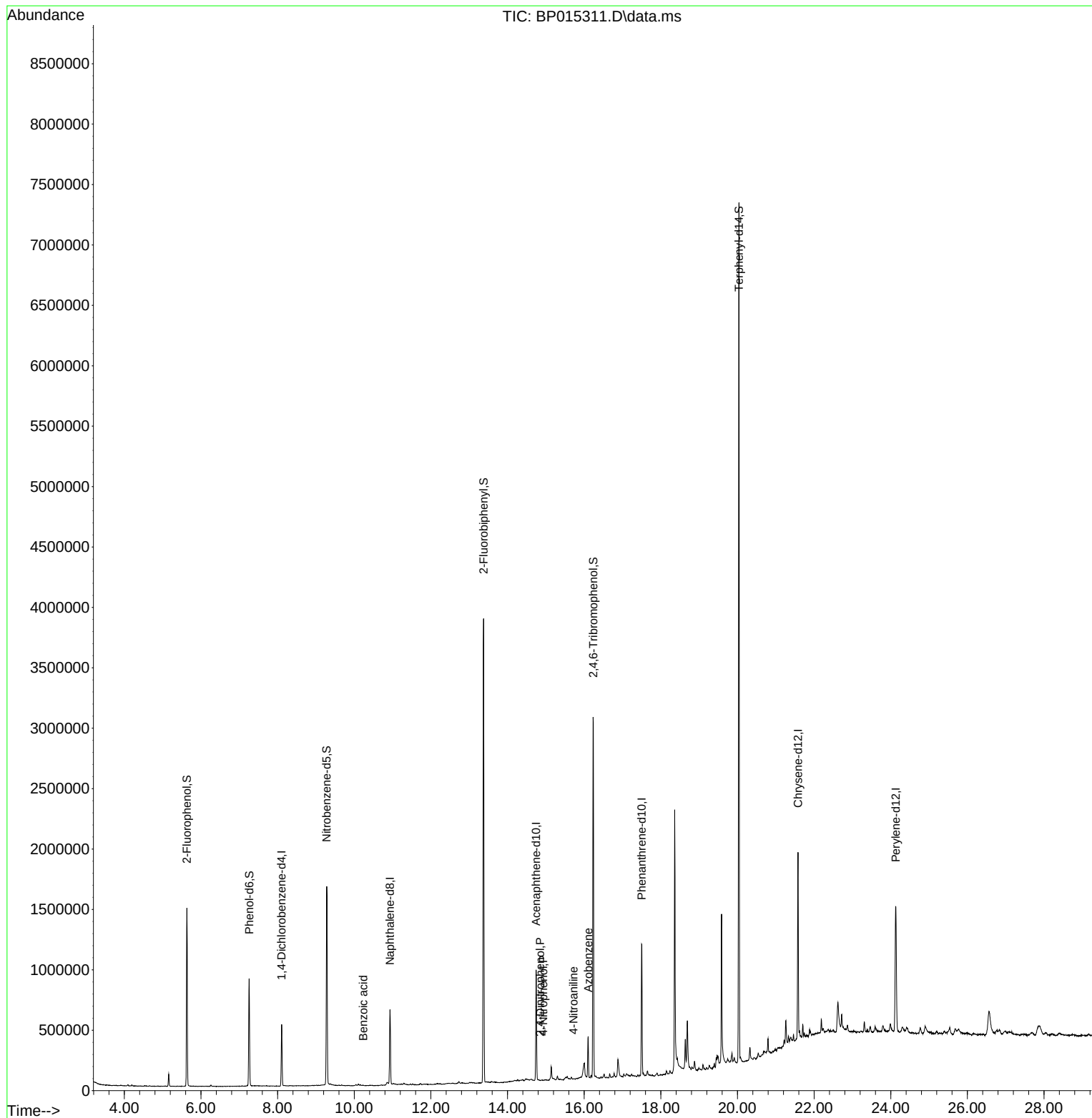
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	127464	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	488646	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	287206	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	653771	20.000	ng	0.00
76) Chrysene-d12	21.580	240	717896	20.000	ng	0.00
86) Perylene-d12	24.133	264	851500	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	595804	77.455	ng	0.00
7) Phenol-d6	7.258	99	480319	47.647	ng	0.00
23) Nitrobenzene-d5	9.281	82	933894	93.316	ng	-0.01
42) 2,4,6-Tribromophenol	16.239	330	547111	140.179	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	1879052	87.837	ng	0.00
79) Terphenyl-d14	20.039	244	3265357	85.556	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.258	77	1453	Below Cal	#	20
32) Benzoic acid	10.234	122	216	6.375 ng	#	47
54) 2,4-Dinitrophenol	14.851	184	97	5.216 ng	#	1
56) 4-Nitrophenol	14.928	139	217	3.478 ng		84
62) 4-Nitroaniline	15.722	138	125	2.328 ng		82
63) Azobenzene	16.104	77	101984	4.776 ng	#	1

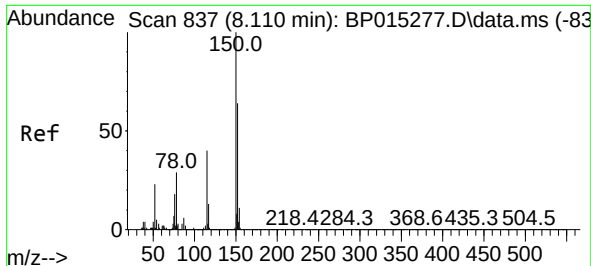
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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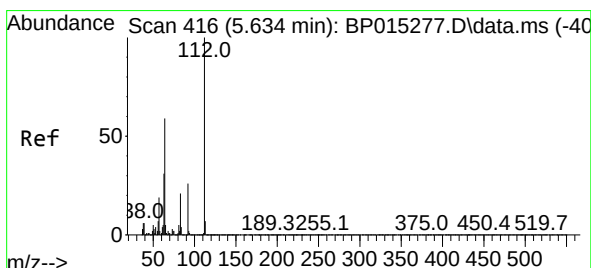
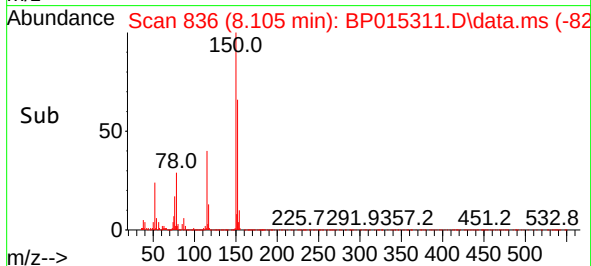
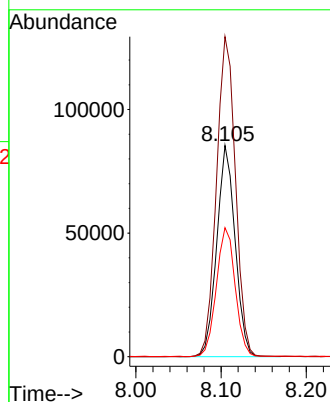
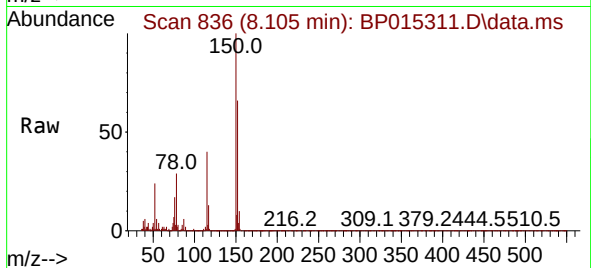




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

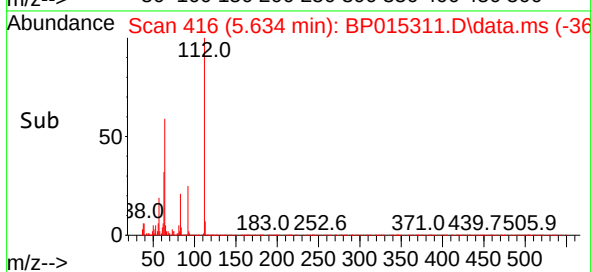
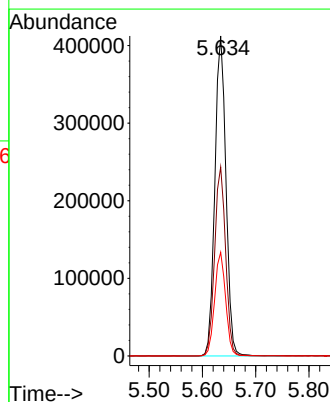
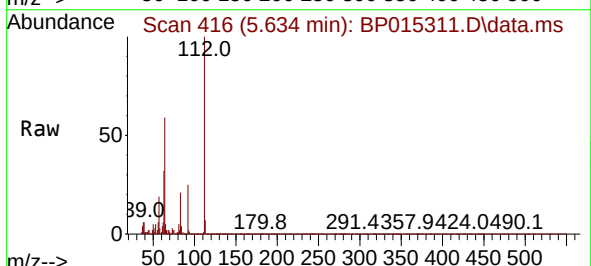
Instrument :
BNA_P
ClientSampleId :
TWP02

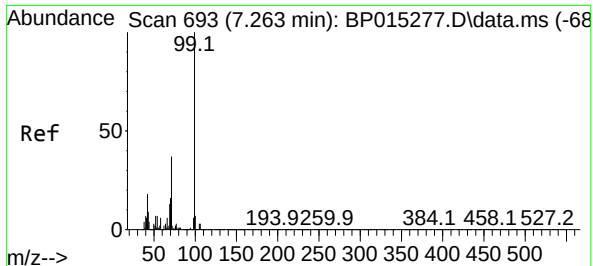
Tgt Ion:152 Resp: 127464
Ion Ratio Lower Upper
152 100
150 151.6 124.2 186.2
115 61.1 49.1 73.7



#5
2-Fluorophenol
Concen: 77.455 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

Tgt Ion:112 Resp: 595804
Ion Ratio Lower Upper
112 100
64 59.0 47.2 70.8
63 32.4 24.6 37.0

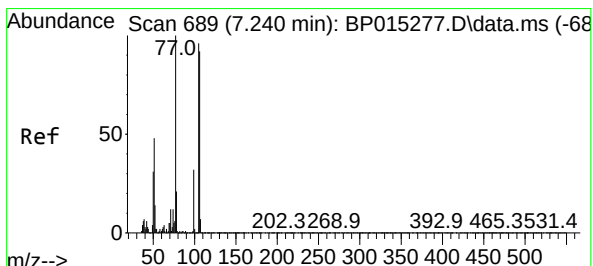
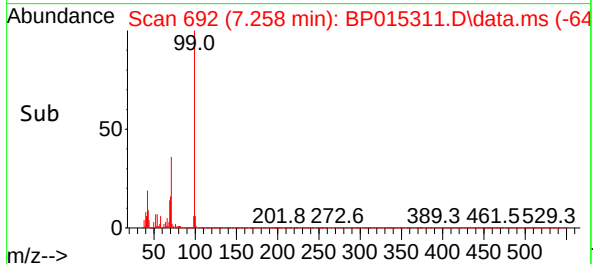
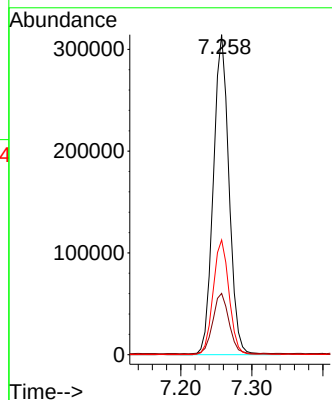
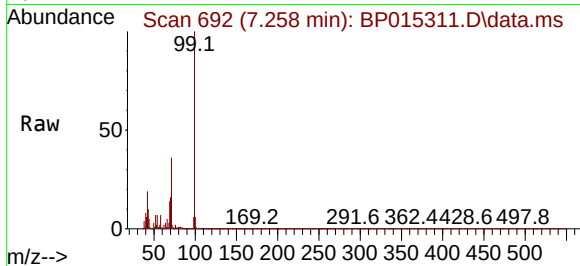




#7
Phenol-d6
Concen: 47.647 ng
RT: 7.258 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

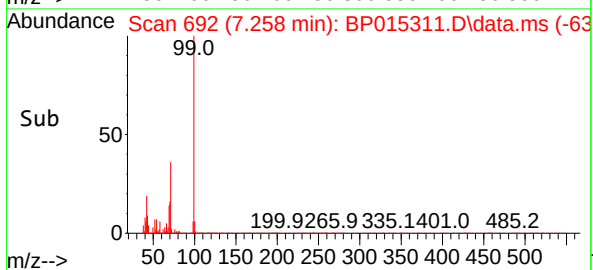
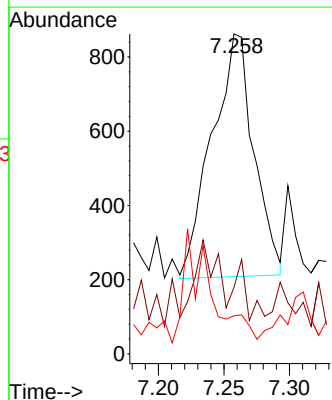
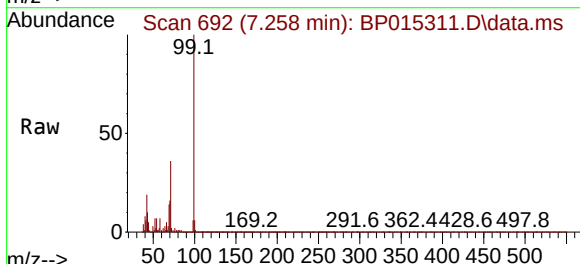
Instrument :
BNA_P
ClientSampleId :
TWP02

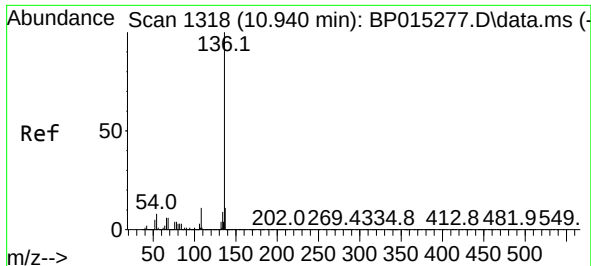
Tgt Ion: 99 Resp: 480319
Ion Ratio Lower Upper
99 100
42 19.2 14.6 22.0
71 35.8 29.4 44.2



#9
Benzaldehyde
Concen: Below Cal
RT: 7.258 min Scan# 692
Delta R.T. 0.018 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

Tgt Ion: 77 Resp: 1453
Ion Ratio Lower Upper
77 100
105 20.8 75.9 115.9#
106 11.9 72.3 112.3#

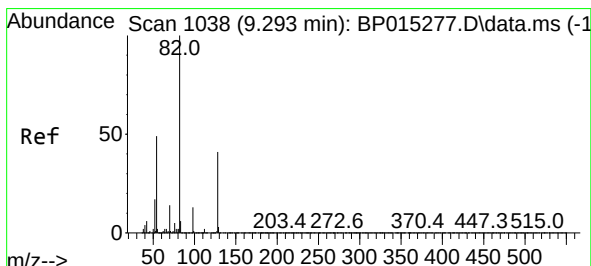
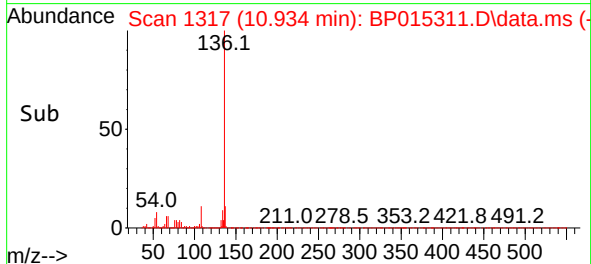
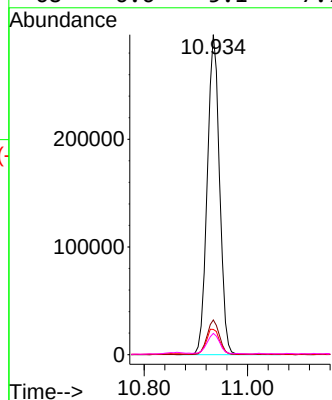
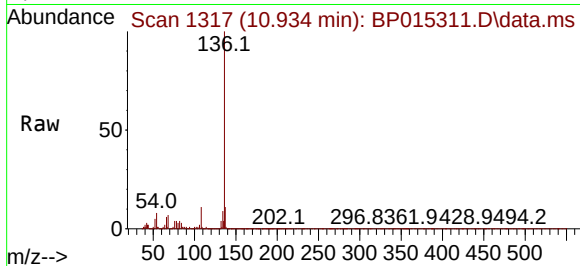




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

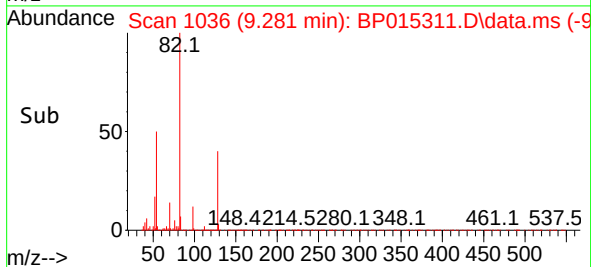
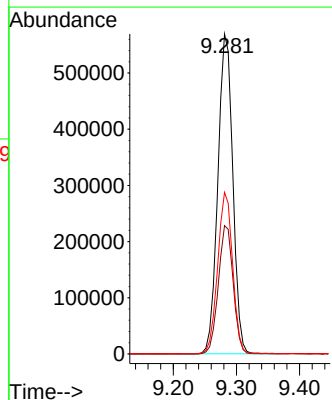
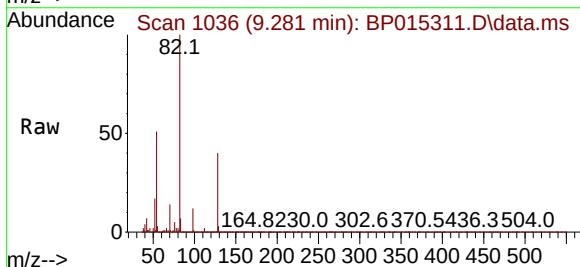
Instrument :
BNA_P
ClientSampleId :
TWP02

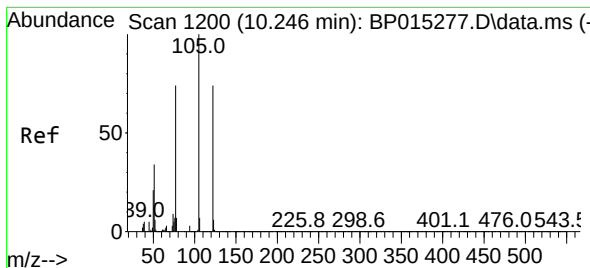
Tgt Ion:	136	Resp:	488646
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.9	6.3	9.5
68	6.6	5.1	7.7



#23
Nitrobenzene-d5
Concen: 93.316 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.012 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

Tgt Ion:	82	Resp:	933894
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.0	49.4
54	50.5	39.2	58.8





#32

Benzoic acid

Concen: 6.375 ng

RT: 10.234 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BP015311.D

Acq: 26 May 2023 16:17

Instrument :

BNA_P

ClientSampleId :

TWP02

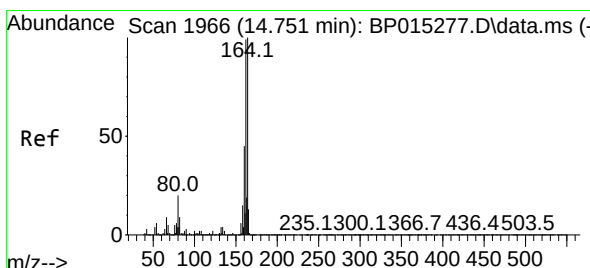
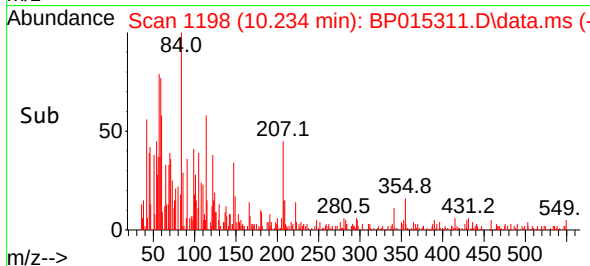
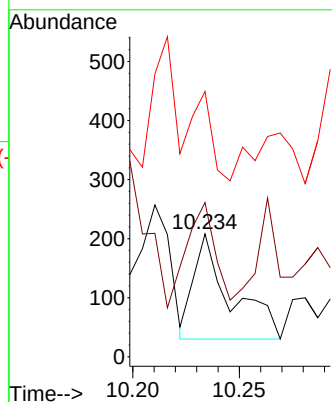
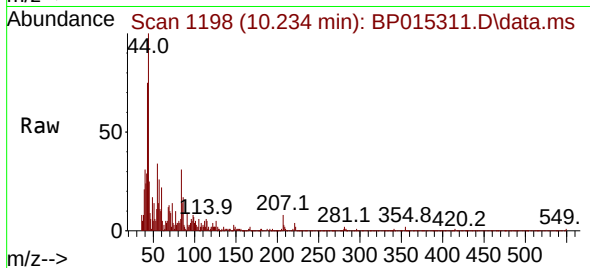
Tgt Ion:122 Resp: 216

Ion Ratio Lower Upper

122 100

105 125.5 109.5 149.5

77 215.9 78.2 118.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.745 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BP015311.D

Acq: 26 May 2023 16:17

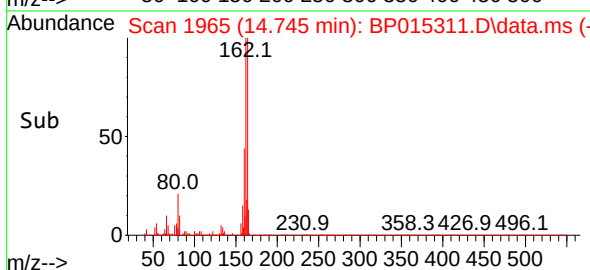
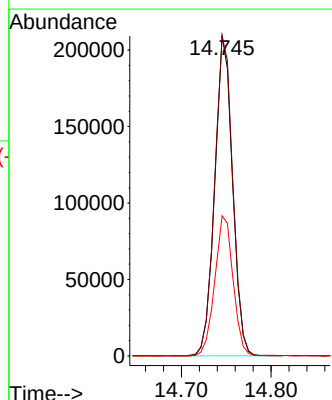
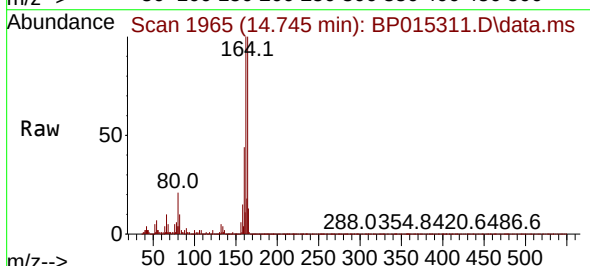
Tgt Ion:164 Resp: 287206

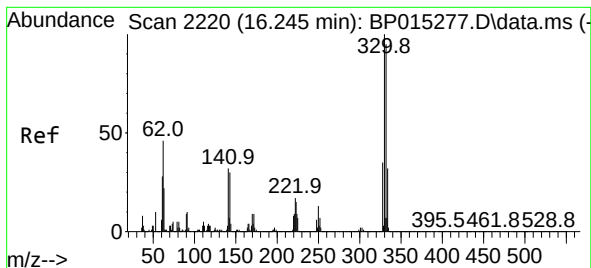
Ion Ratio Lower Upper

164 100

162 100.1 79.4 119.2

160 43.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 140.179 ng

RT: 16.239 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015311.D

Acq: 26 May 2023 16:17

Instrument :

BNA_P

ClientSampleId :

TWP02

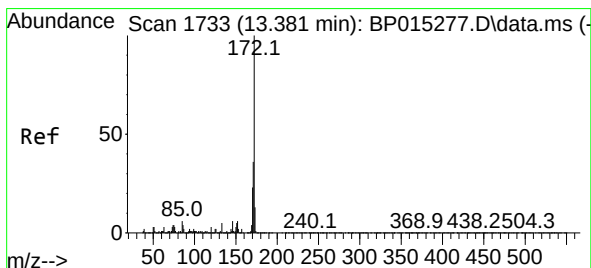
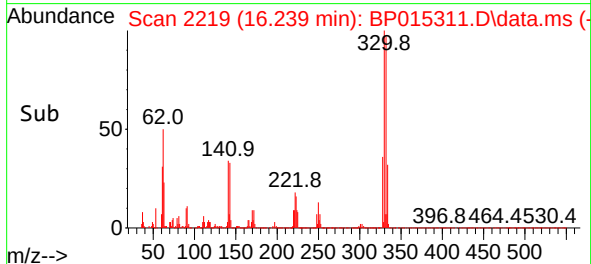
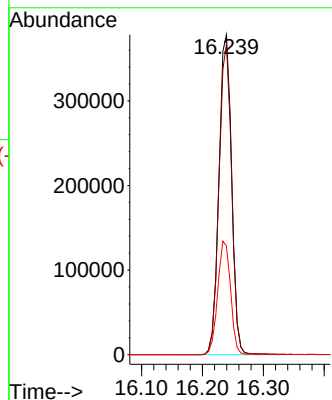
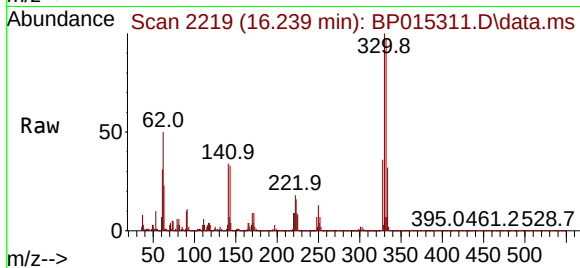
Tgt Ion:330 Resp: 547111

Ion Ratio Lower Upper

330 100

332 96.4 76.3 114.5

141 35.9 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 87.837 ng

RT: 13.375 min Scan# 1732

Delta R.T. -0.006 min

Lab File: BP015311.D

Acq: 26 May 2023 16:17

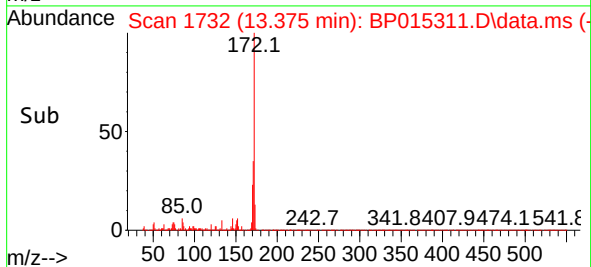
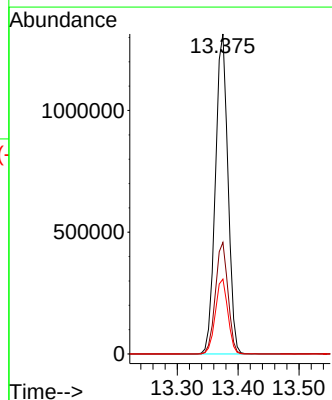
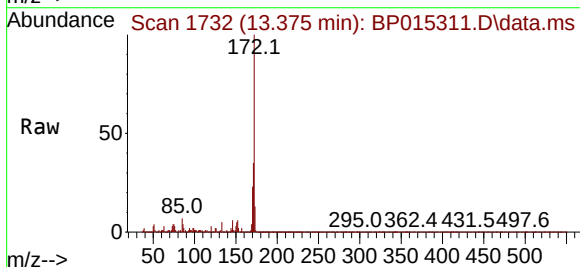
Tgt Ion:172 Resp: 1879052

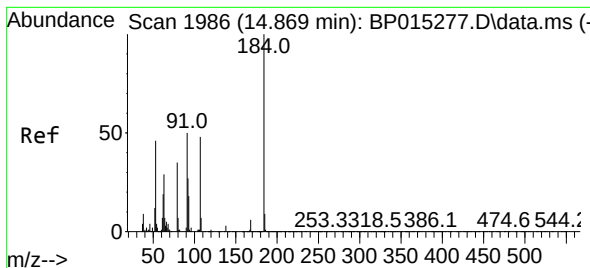
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.4 18.7 28.1

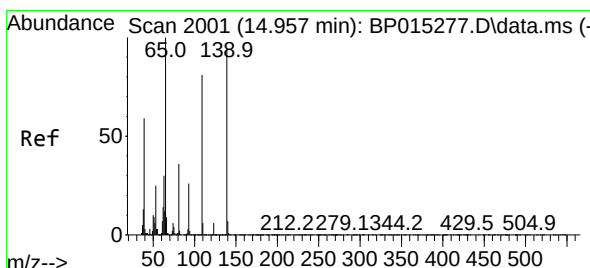
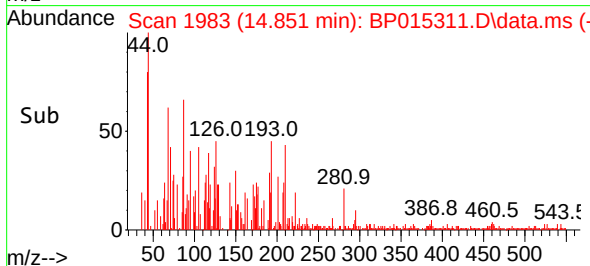
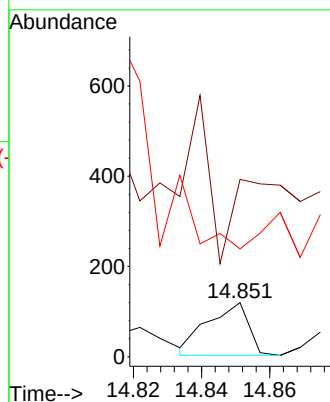
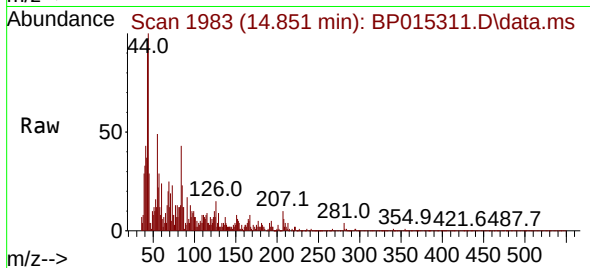




#54
2,4-Dinitrophenol
Concen: 5.216 ng
RT: 14.851 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

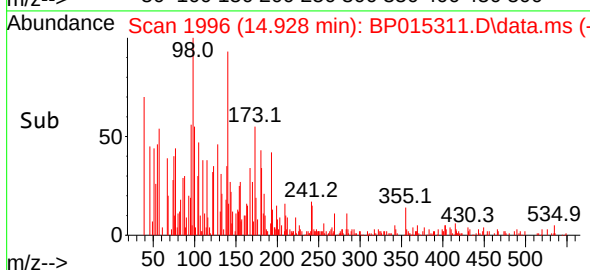
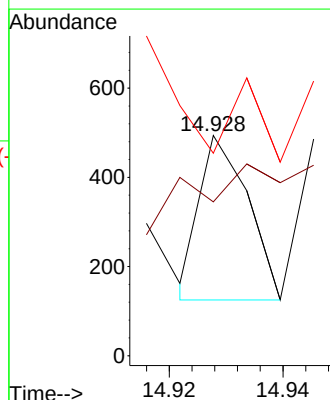
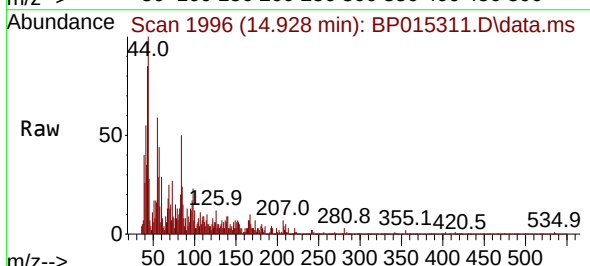
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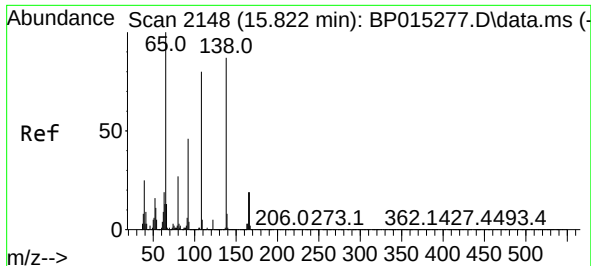
Tgt Ion:184 Resp: 97
Ion Ratio Lower Upper
184 100
63 327.5 56.2 84.4#
154 199.2 53.2 79.8#



#56
4-Nitrophenol
Concen: 3.478 ng
RT: 14.928 min Scan# 1996
Delta R.T. -0.029 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

Tgt Ion:139 Resp: 217
Ion Ratio Lower Upper
139 100
109 69.8 66.5 106.5
65 91.9 86.6 126.6

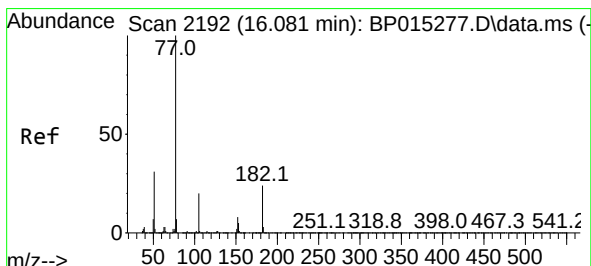
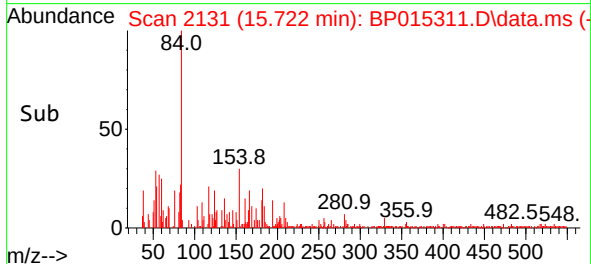
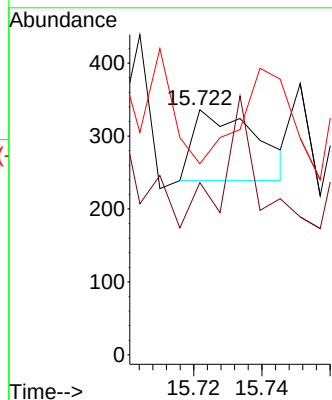
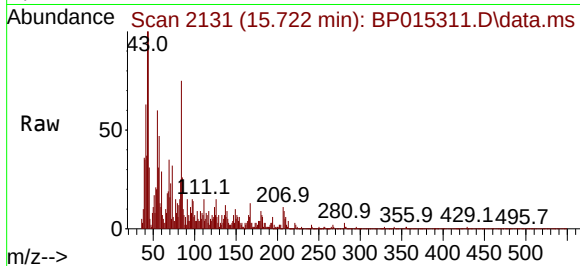




#62
4-Nitroaniline
Concen: 2.328 ng
RT: 15.722 min Scan# 2148
Delta R.T. -0.100 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

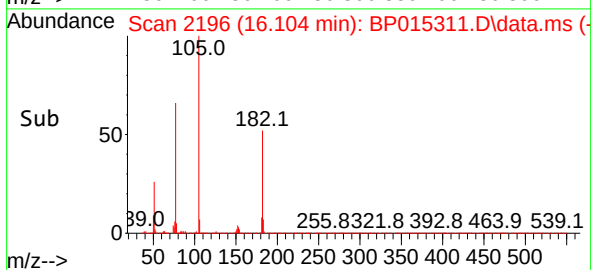
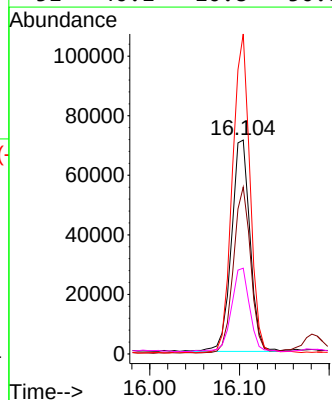
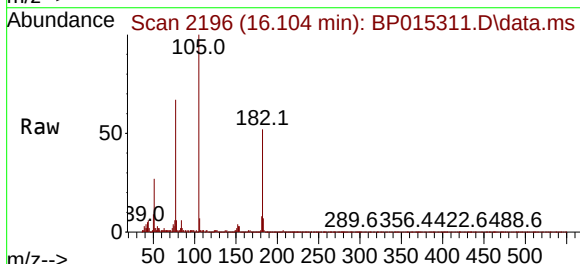
Instrument :
BNA_P
ClientSampleId :
TWP02

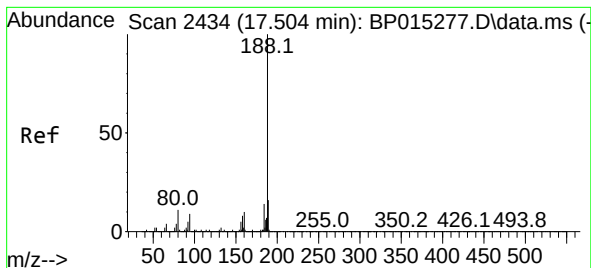
Tgt Ion:138 Resp: 125
Ion Ratio Lower Upper
138 100
92 70.2 33.1 73.1
108 78.0 71.0 111.0



#63
Azobenzene
Concen: 4.776 ng
RT: 16.104 min Scan# 2196
Delta R.T. 0.024 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

Tgt Ion: 77 Resp: 101984
Ion Ratio Lower Upper
77 100
182 78.0 3.9 43.9#
105 149.6 0.3 40.3#
51 40.1 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: BP015311.D

Acq: 26 May 2023 16:17

Instrument :

BNA_P

ClientSampleId :

TWP02

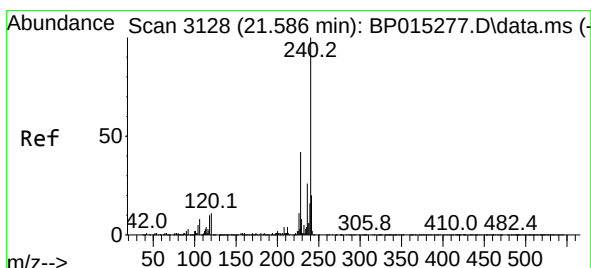
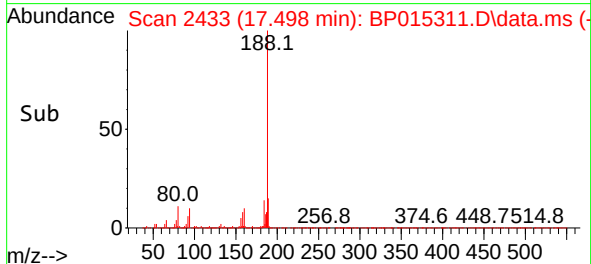
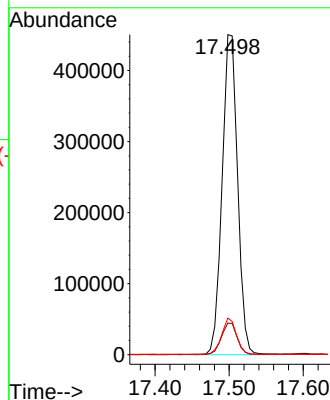
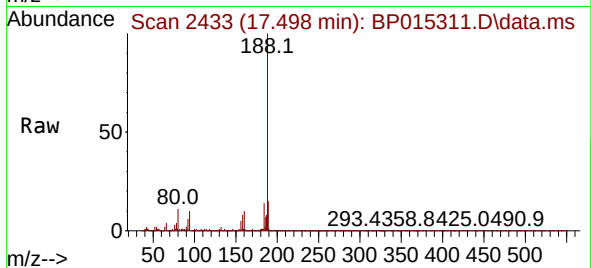
Tgt Ion:188 Resp: 653771

Ion Ratio Lower Upper

188 100

94 9.9 7.4 11.0

80 11.4 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: BP015311.D

Acq: 26 May 2023 16:17

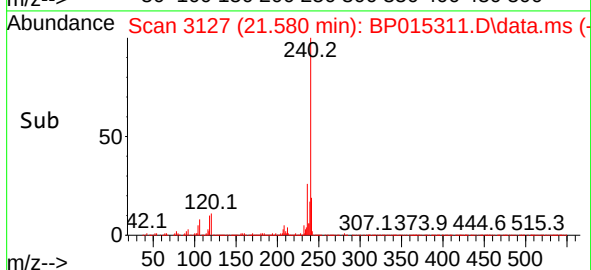
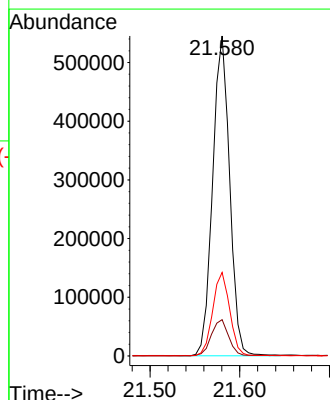
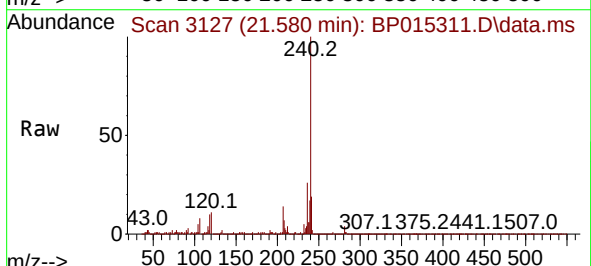
Tgt Ion:240 Resp: 717896

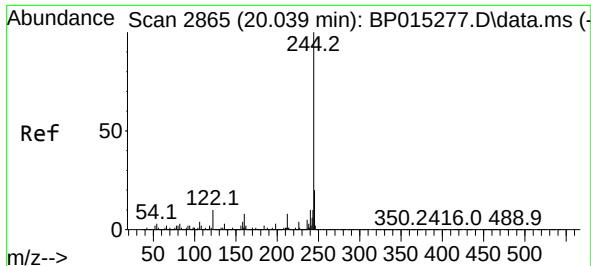
Ion Ratio Lower Upper

240 100

120 11.3 8.8 13.2

236 26.1 20.5 30.7

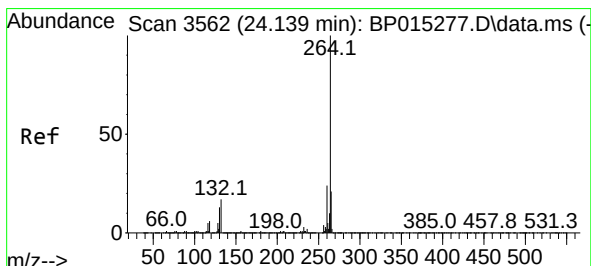
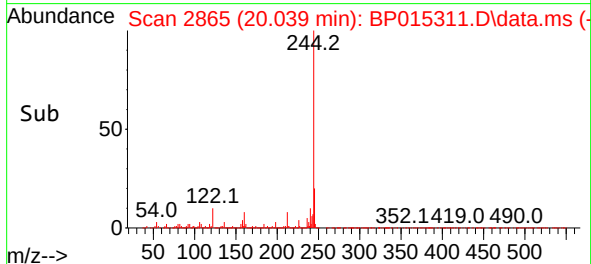
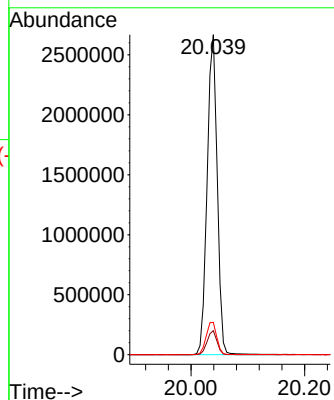
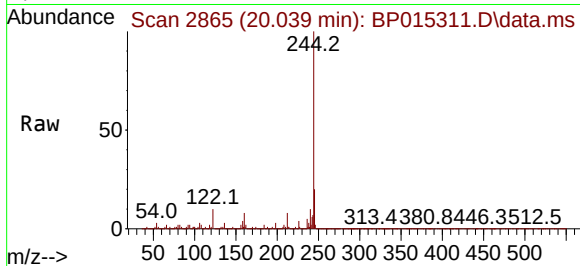




#79
Terphenyl-d14
Concen: 85.556 ng
RT: 20.039 min Scan# 2865
Delta R.T. 0.000 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

Instrument :
BNA_P
ClientSampleId :
TWP02

Tgt Ion:244 Resp: 3265357
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 10.1 8.2 12.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.133 min Scan# 3561
Delta R.T. -0.006 min
Lab File: BP015311.D
Acq: 26 May 2023 16:17

Tgt Ion:264 Resp: 851500
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 21.4 17.5 26.3

