

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050016.D
 Acq On : 23 Apr 2025 16:35
 Operator : RC/JU
 Sample : Q1858-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-2

Quant Time: Apr 23 17:58:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

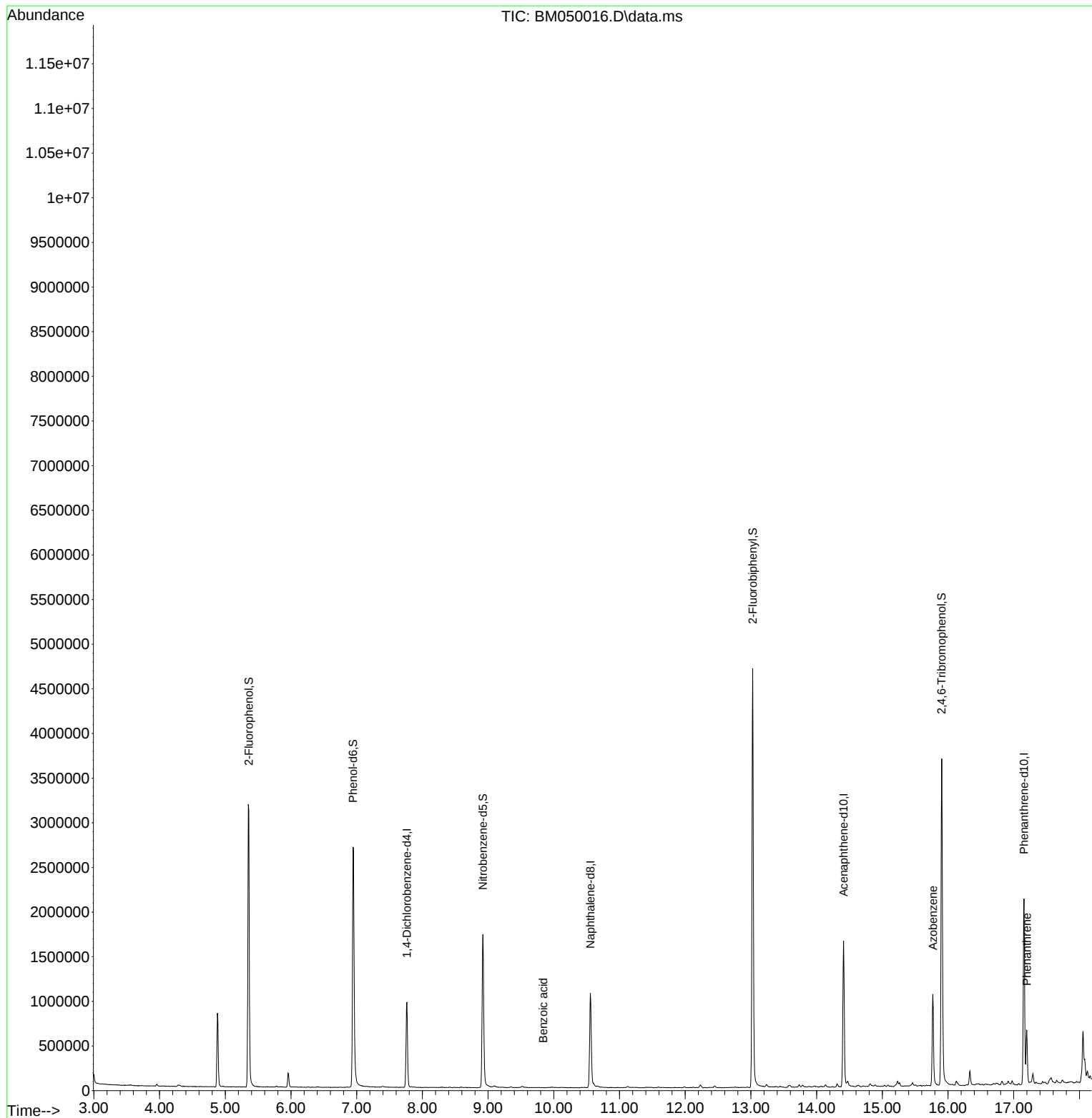
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	281365	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	963050	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	635987	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1306185	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1368420	20.000	ng	0.00
86) Perylene-d12	24.397	264	1421973	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1511874	91.244	ng	0.00
7) Phenol-d6	6.946	99	1835849	89.051	ng	0.00
23) Nitrobenzene-d5	8.922	82	1087772	62.897	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	822854	88.951	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2684428	57.236	ng	-0.02
79) Terphenyl-d14	19.780	244	4260725	58.351	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.840	122	62	8.542	ng	# 1
63) Azobenzene	15.769	77	302204	8.204	ng	# 1
71) Phenanthrene	17.198	178	384593	5.371	ng	100
75) Fluoranthene	19.215	202	696932	7.915	ng	99
78) Pyrene	19.580	202	636925	6.754	ng	99
81) Benzo(a)anthracene	21.380	228	360722	3.966	ng	99
83) Chrysene	21.439	228	343481	3.973	ng	97
87) Indeno(1,2,3-cd)pyrene	27.785	276	222933	2.103	ng	98
88) Benzo(b)fluoranthene	23.450	252	452468	4.982	ng	97
90) Benzo(a)pyrene	24.256	252	298721	3.743	ng	# 97
92) Benzo(g,h,i)perylene	28.844	276	231659	2.597	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050016.D
Acq On : 23 Apr 2025 16:35
Operator : RC/JU
Sample : Q1858-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2

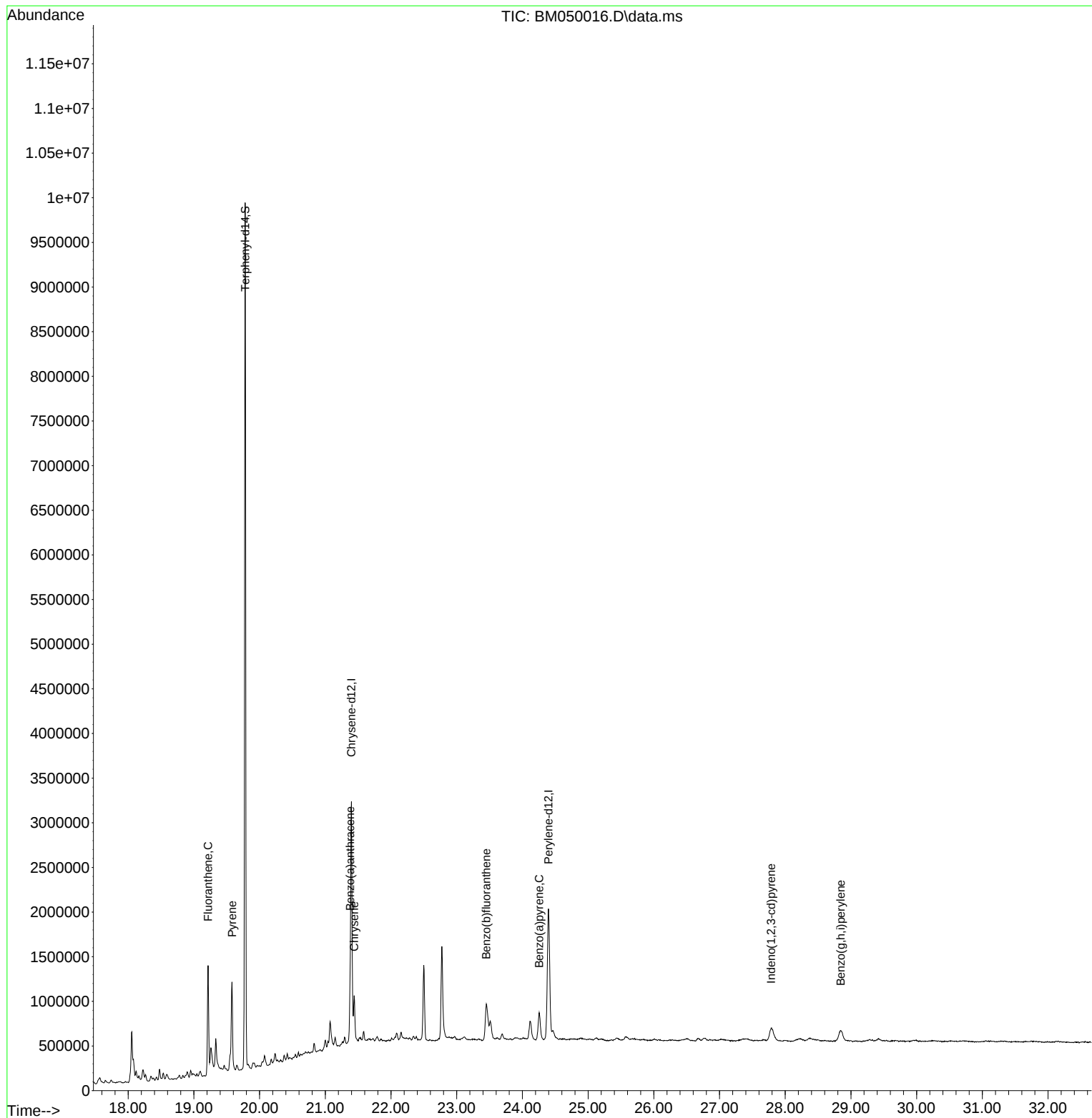
Quant Time: Apr 23 17:58:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
Data File : BM050016.D
Acq On : 23 Apr 2025 16:35
Operator : RC/JU
Sample : Q1858-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2

Quant Time: Apr 23 17:58:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

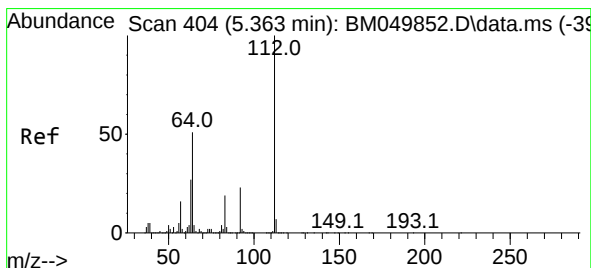
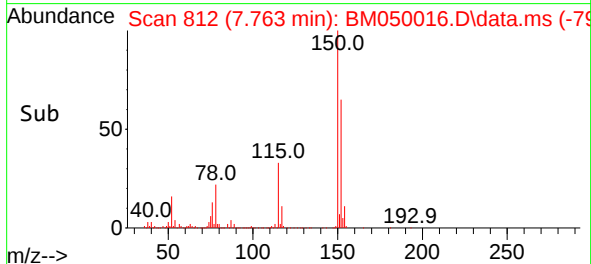
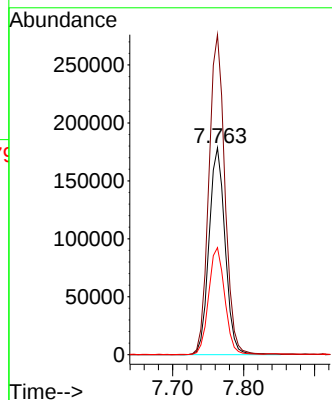
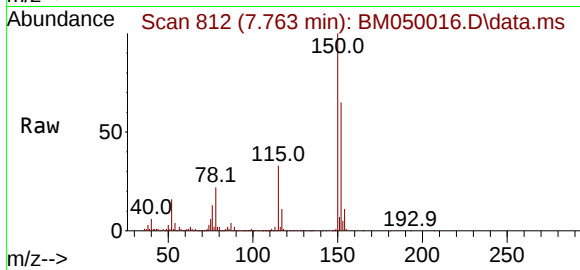




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

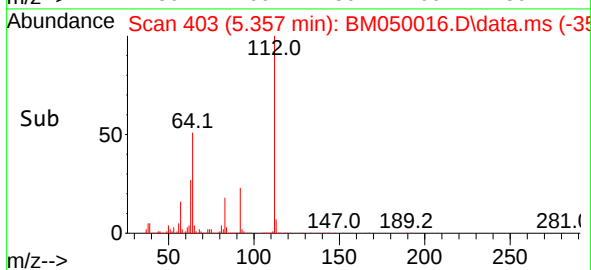
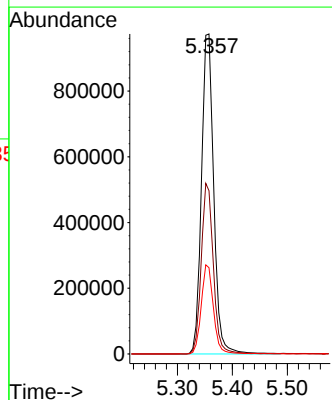
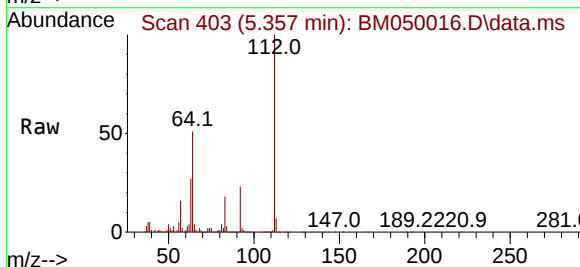
Instrument :
BNA_M
ClientSampleId :
COMP-2

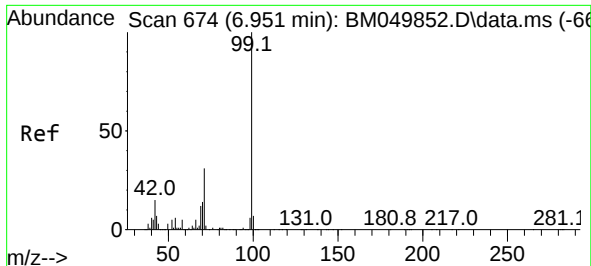
Tgt Ion:152 Resp: 281365
Ion Ratio Lower Upper
152 100
150 154.7 124.3 186.5
115 51.8 41.1 61.7



#5
2-Fluorophenol
Concen: 91.244 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:112 Resp: 1511874
Ion Ratio Lower Upper
112 100
64 51.0 41.0 61.6
63 27.0 21.5 32.3

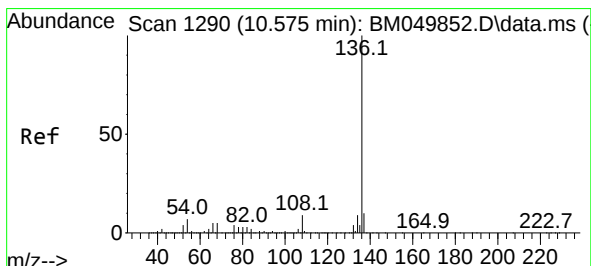
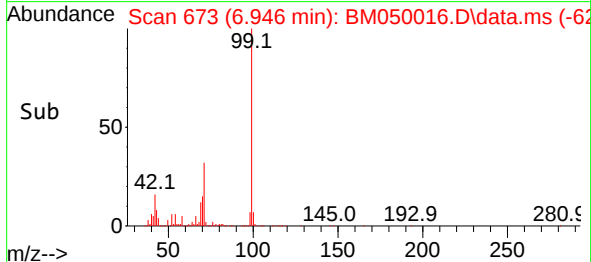
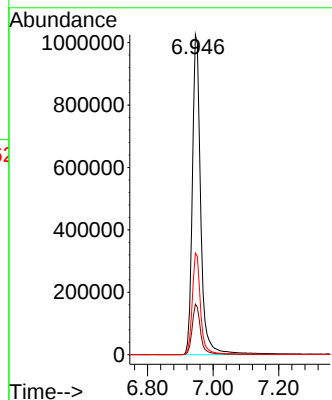
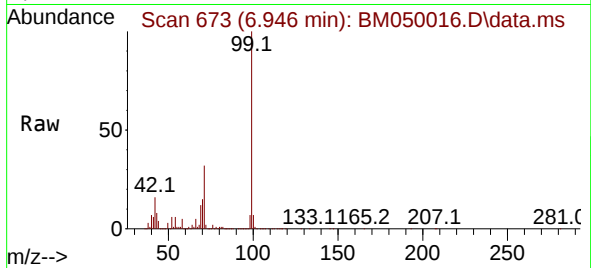




#7
Phenol-d6
Concen: 89.051 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

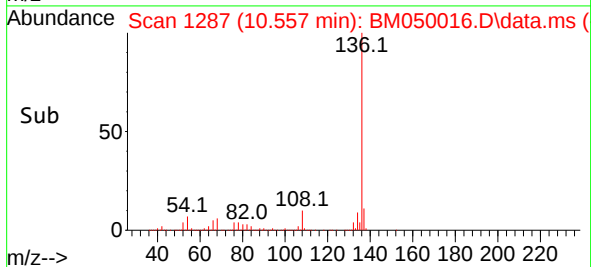
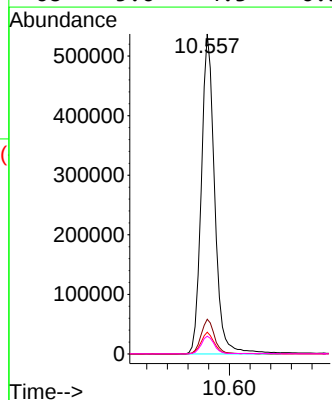
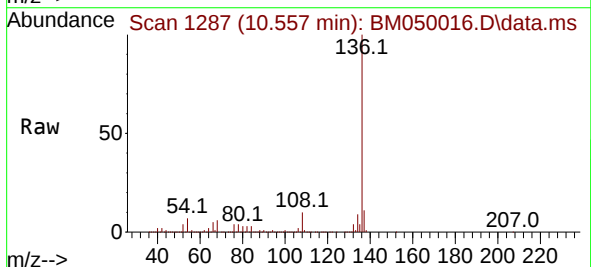
Instrument :
BNA_M
ClientSampleId :
COMP-2

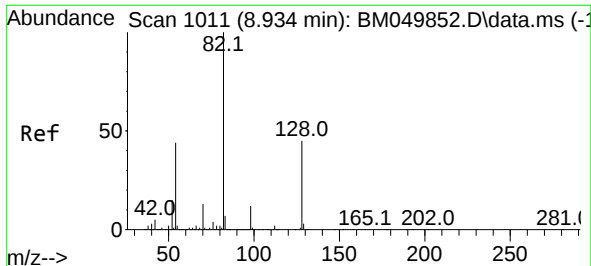
Tgt Ion: 99 Resp: 1835849
Ion Ratio Lower Upper
99 100
42 15.8 12.1 18.1
71 31.8 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.017 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion: 136 Resp: 963050
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.8 5.3 7.9
68 5.6 4.3 6.5

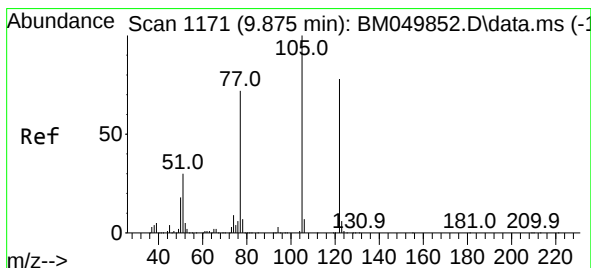
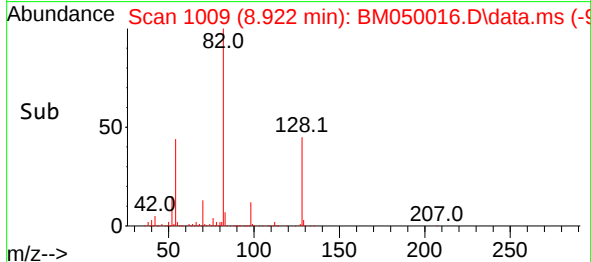
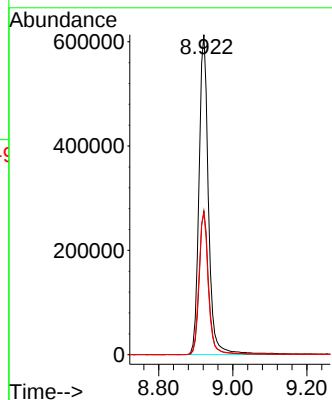
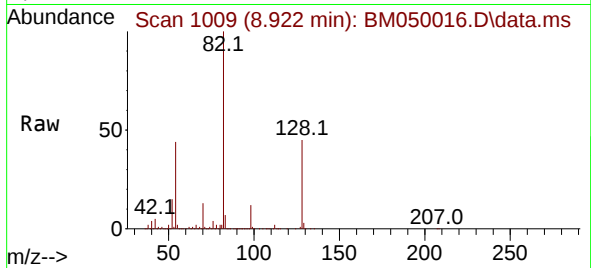




#23
Nitrobenzene-d5
Concen: 62.897 ng
RT: 8.922 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

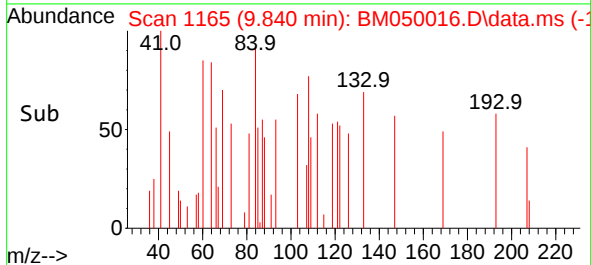
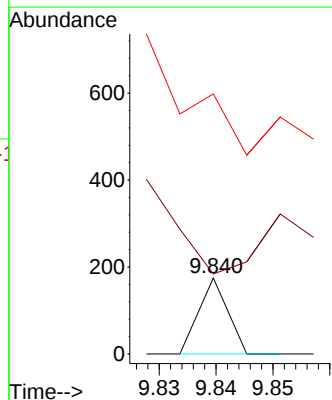
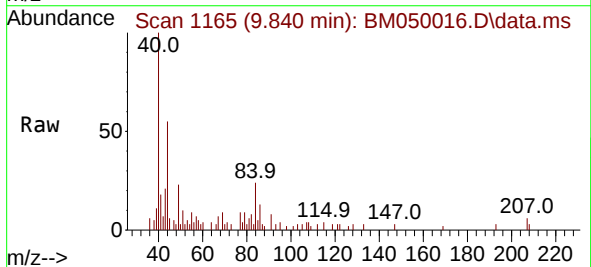
Instrument :
BNA_M
ClientSampleId :
COMP-2

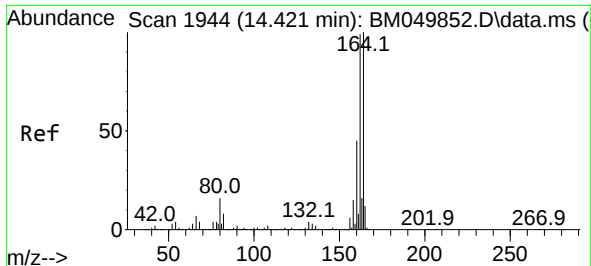
Tgt Ion: 82 Resp: 1087772
Ion Ratio Lower Upper
82 100
128 44.9 36.2 54.2
54 44.3 35.0 52.6



#32
Benzoic acid
Concen: 8.542 ng
RT: 9.840 min Scan# 1165
Delta R.T. -0.035 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 105.1 103.8 143.8
77 341.7 70.7 110.7#

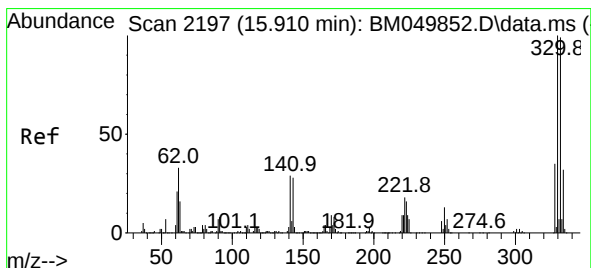
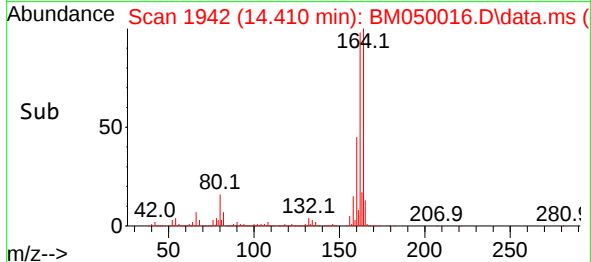
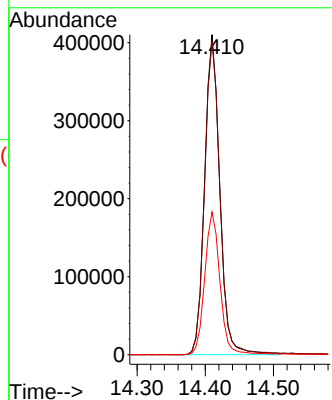
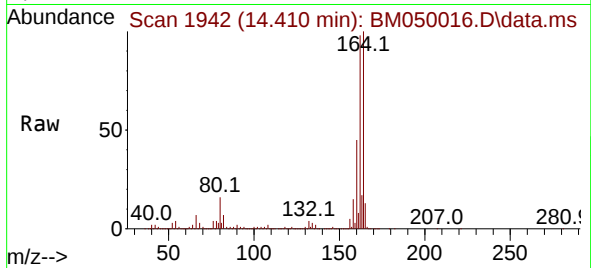




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

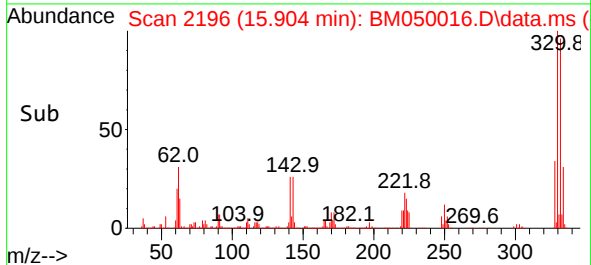
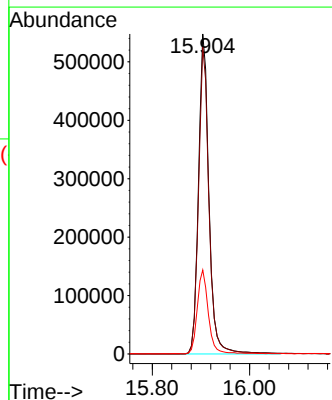
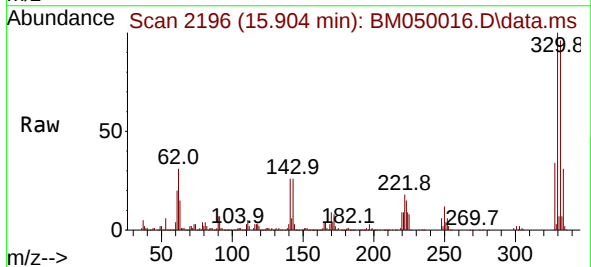
Instrument :
BNA_M
ClientSampleId :
COMP-2

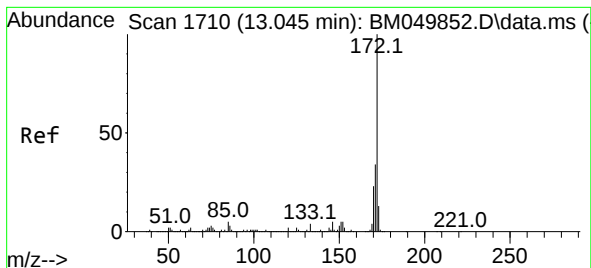
Tgt Ion:164 Resp: 635987
Ion Ratio Lower Upper
164 100
162 97.8 79.4 119.0
160 44.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 88.951 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:330 Resp: 822854
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 27.5 23.5 35.3

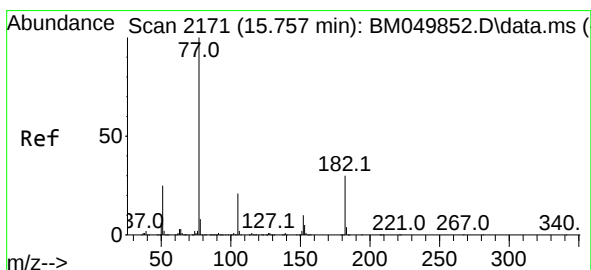
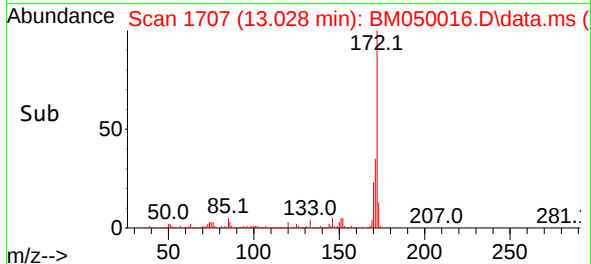
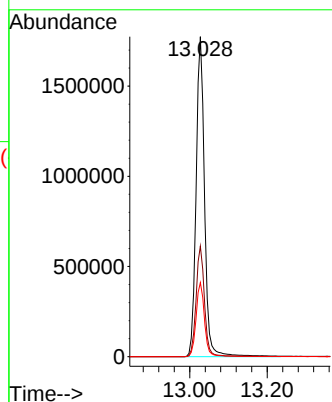
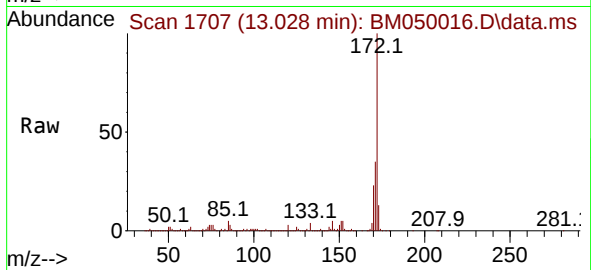




#45
2-Fluorobiphenyl
Concen: 57.236 ng
RT: 13.028 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

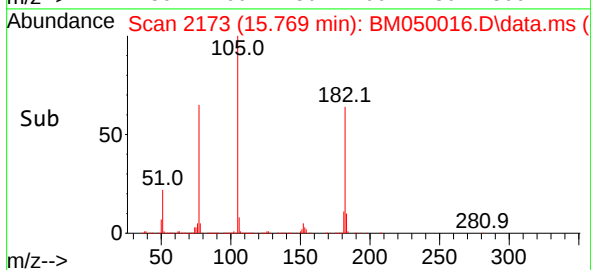
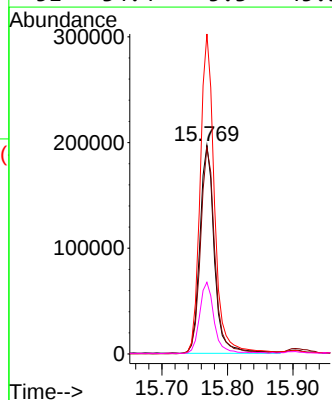
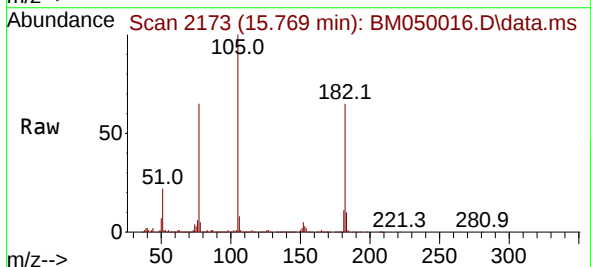
Instrument :
BNA_M
ClientSampleId :
COMP-2

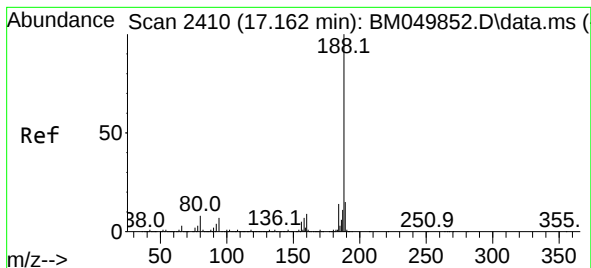
Tgt Ion:172 Resp: 2684428
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.2 18.6 28.0



#63
Azobenzene
Concen: 8.204 ng
RT: 15.769 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion: 77 Resp: 302204
Ion Ratio Lower Upper
77 100
182 99.1 10.4 50.4#
105 153.5 1.5 41.5#
51 34.4 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

Instrument :

BNA_M

ClientSampleId :

COMP-2

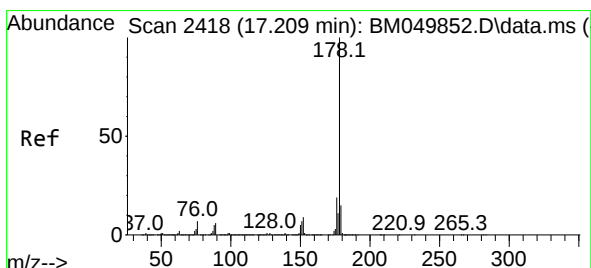
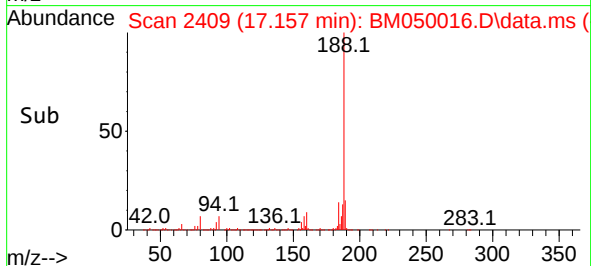
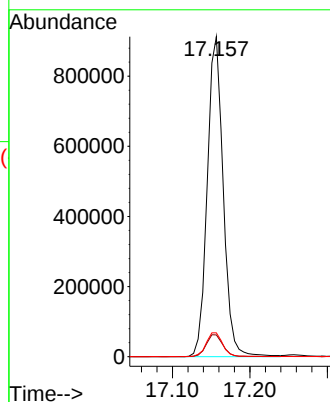
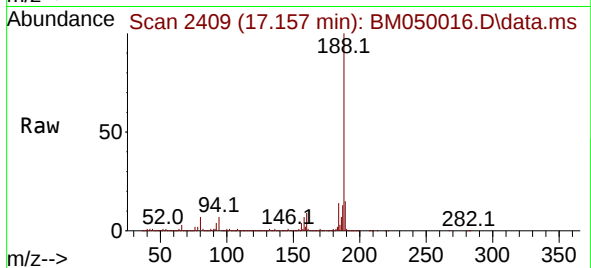
Tgt Ion:188 Resp: 1306185

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.6

80 7.5 6.4 9.6



#71

Phenanthrene

Concen: 5.371 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

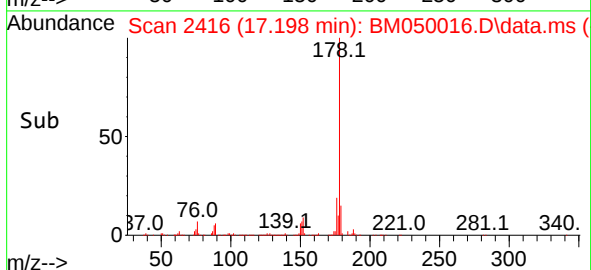
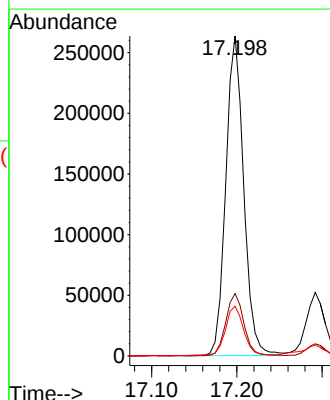
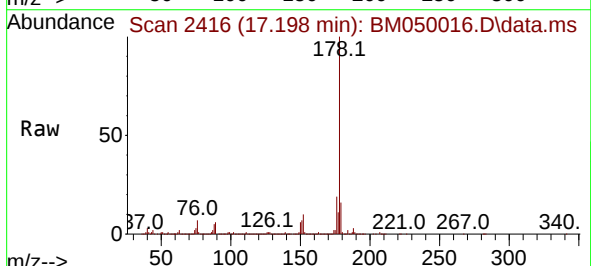
Tgt Ion:178 Resp: 384593

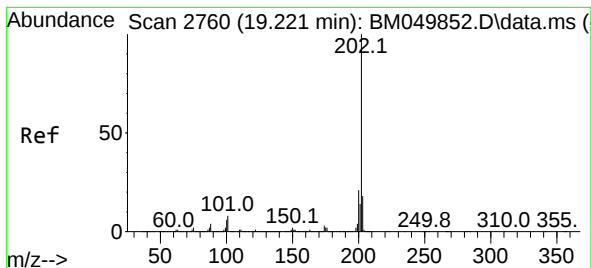
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.5 12.3 18.5





#75

Fluoranthene

Concen: 7.915 ng

RT: 19.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

Instrument :

BNA_M

ClientSampleId :

COMP-2

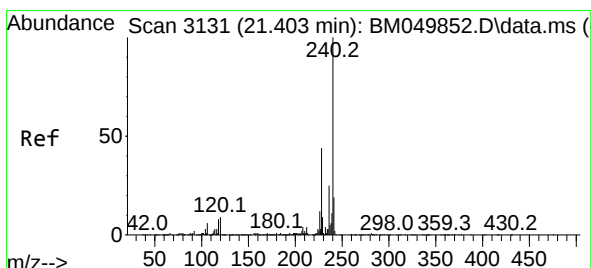
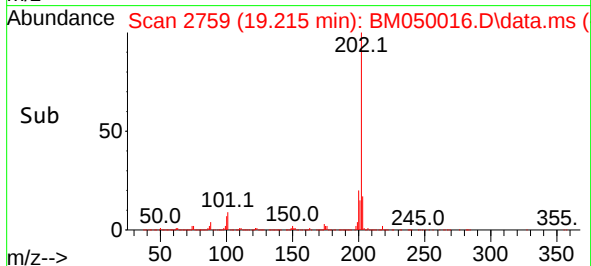
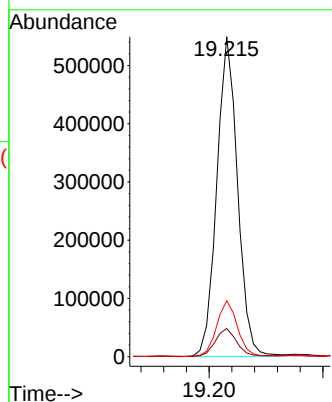
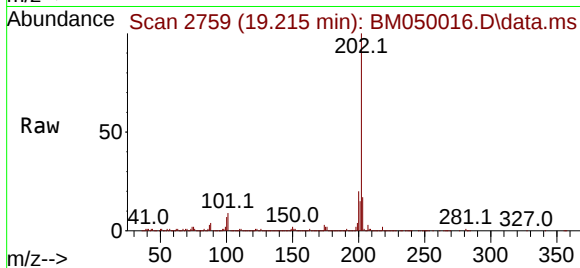
Tgt Ion:202 Resp: 696932

Ion Ratio Lower Upper

202 100

101 8.8 0.0 28.4

203 17.5 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

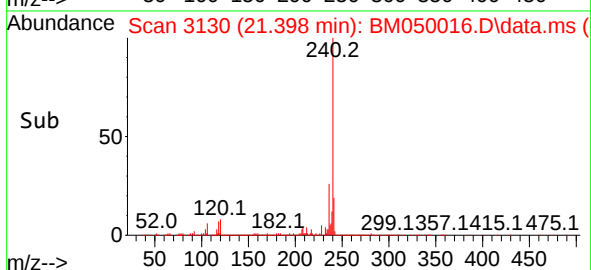
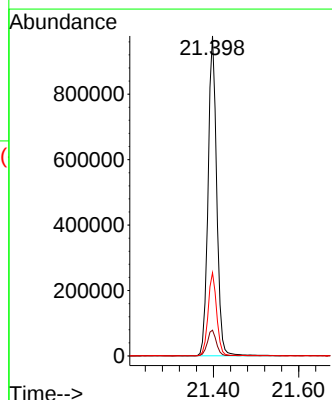
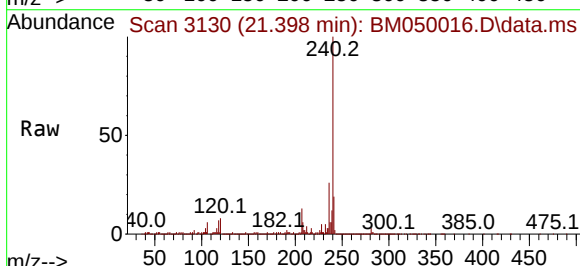
Tgt Ion:240 Resp: 1368420

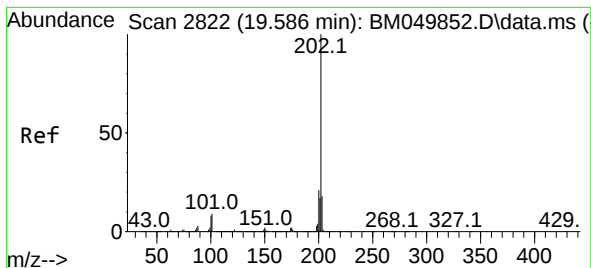
Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

236 26.0 20.4 30.6





#78

Pyrene

Concen: 6.754 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

Instrument :

BNA_M

ClientSampleId :

COMP-2

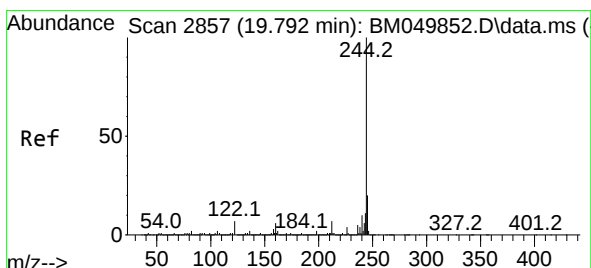
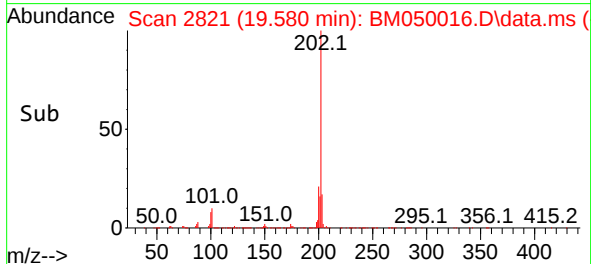
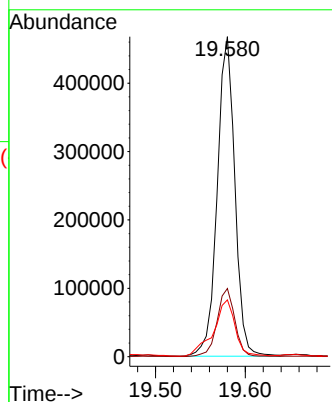
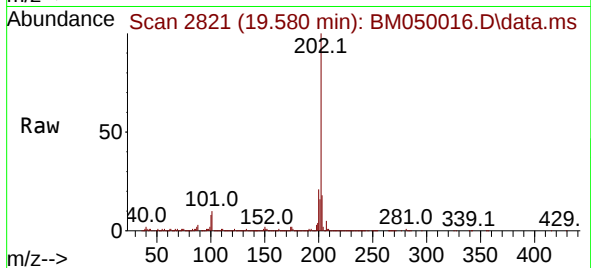
Tgt Ion:202 Resp: 636925

Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 17.7 14.0 21.0



#79

Terphenyl-d14

Concen: 58.351 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

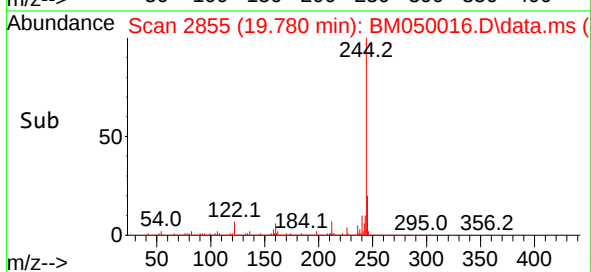
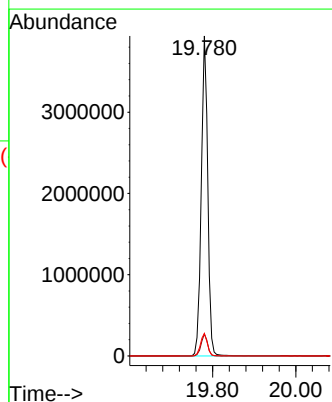
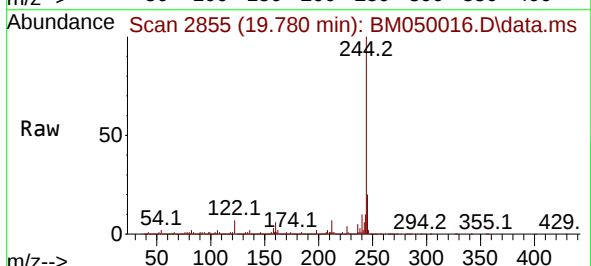
Tgt Ion:244 Resp: 4260725

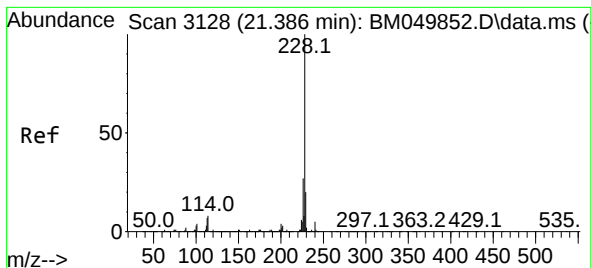
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 7.0 5.4 8.0





#81

Benzo(a)anthracene

Concen: 3.966 ng

RT: 21.380 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

Instrument :

BNA_M

ClientSampleId :

COMP-2

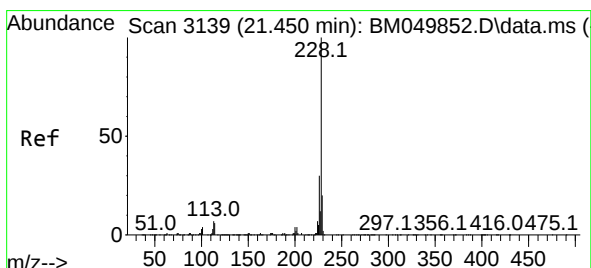
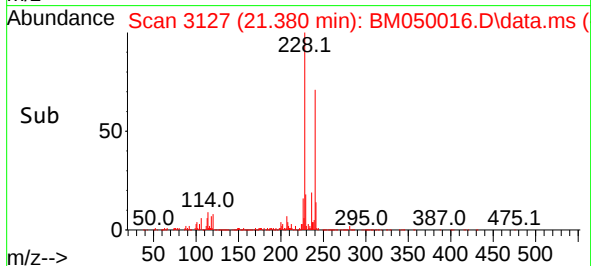
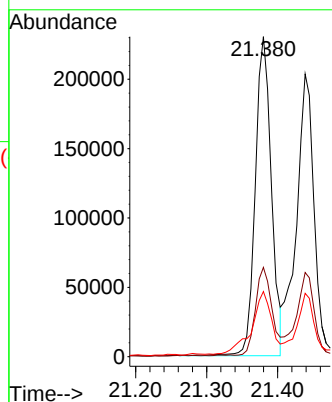
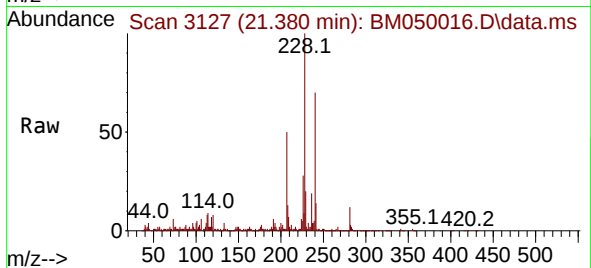
Tgt Ion:228 Resp: 360722

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.8

229 20.4 15.8 23.8



#83

Chrysene

Concen: 3.973 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

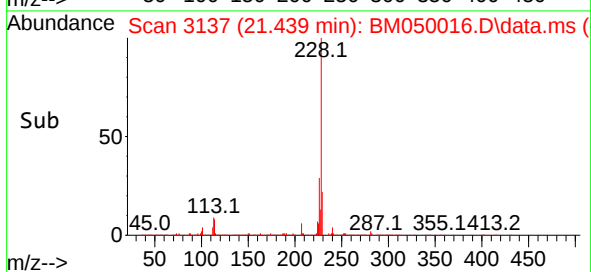
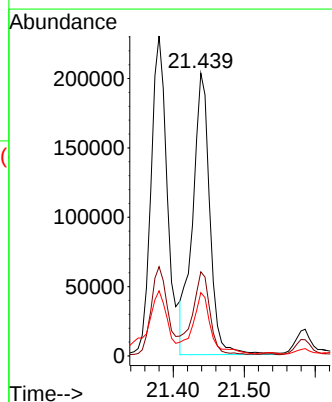
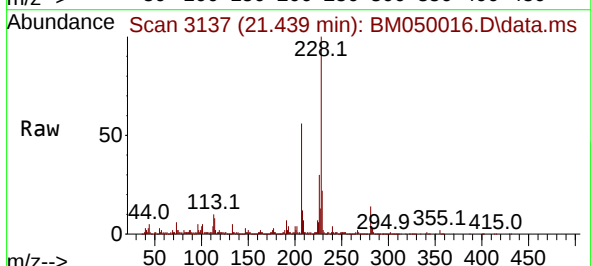
Tgt Ion:228 Resp: 343481

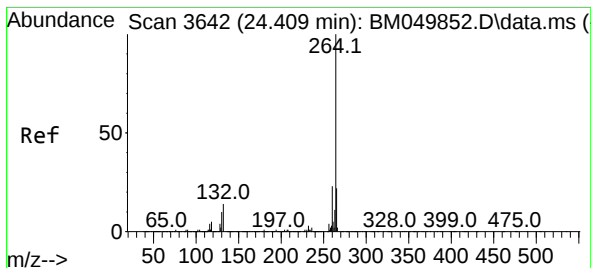
Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

229 22.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

Instrument :

BNA_M

ClientSampleId :

COMP-2

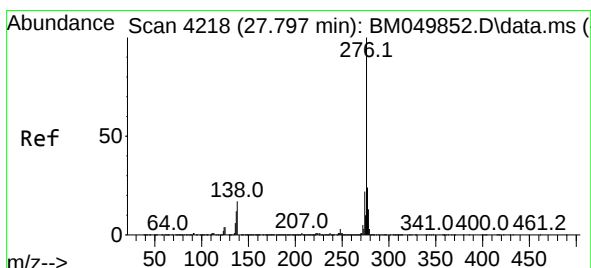
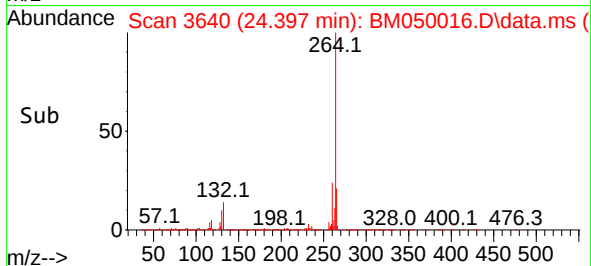
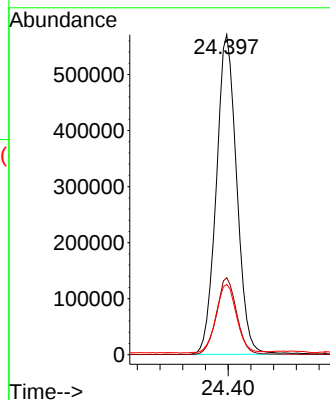
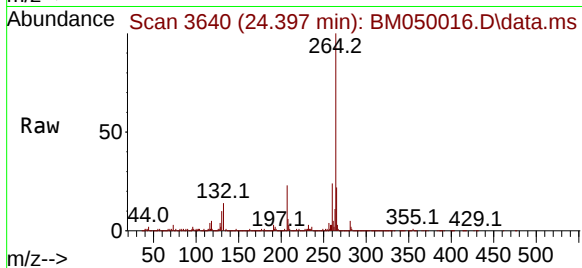
Tgt Ion:264 Resp: 1421973

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 21.9 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.103 ng

RT: 27.785 min Scan# 4216

Delta R.T. -0.012 min

Lab File: BM050016.D

Acq: 23 Apr 2025 16:35

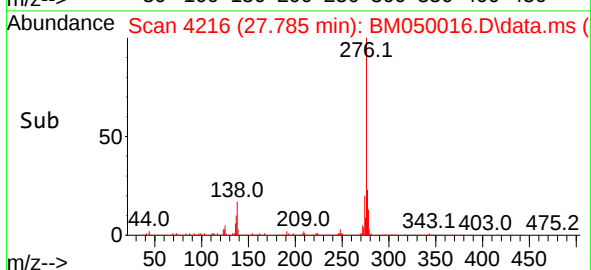
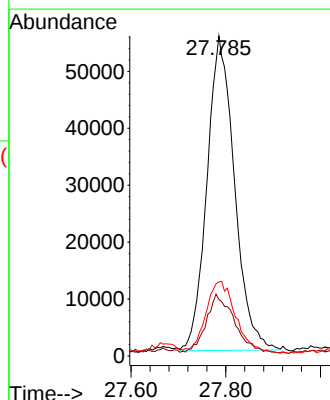
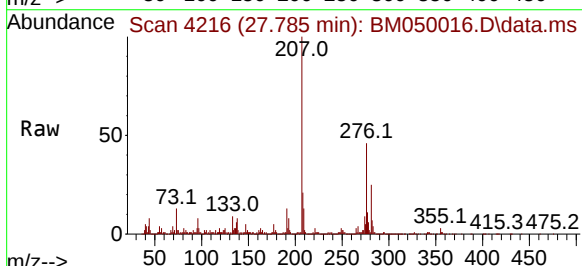
Tgt Ion:276 Resp: 222933

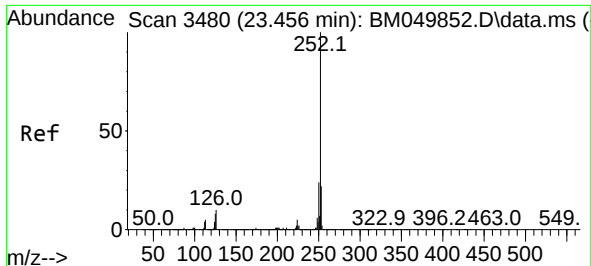
Ion Ratio Lower Upper

276 100

138 19.0 16.8 25.2

277 24.9 20.1 30.1

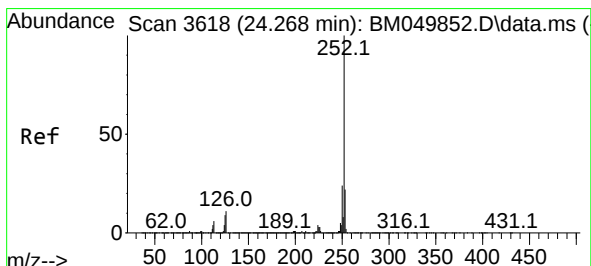
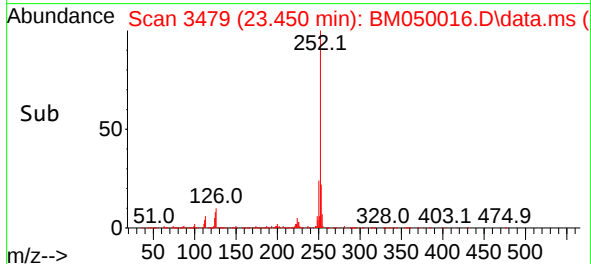
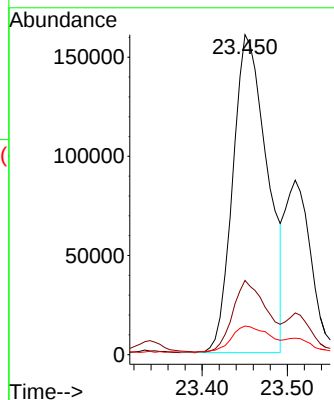
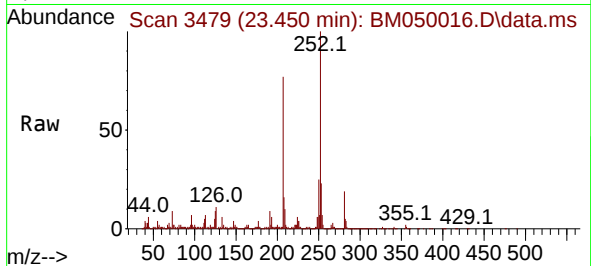




#88
Benzo(b)fluoranthene
Concen: 4.982 ng
RT: 23.450 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

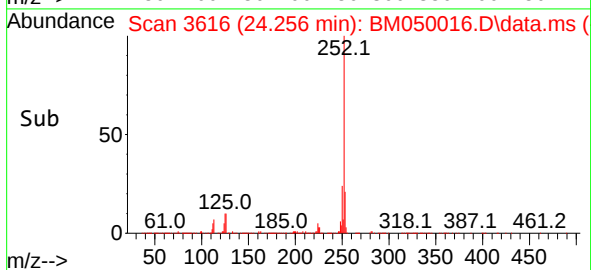
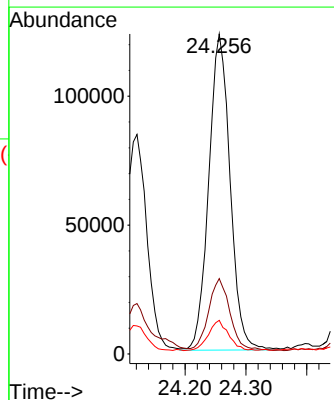
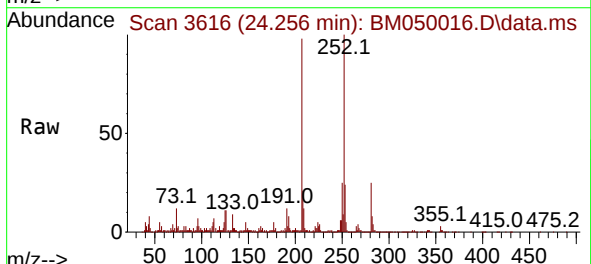
Instrument :
BNA_M
ClientSampleId :
COMP-2

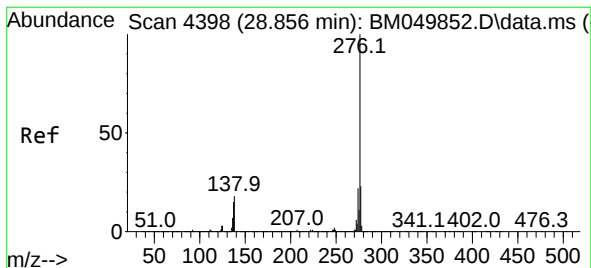
Tgt Ion:252 Resp: 452468
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 8.9 6.2 9.4



#90
Benzo(a)pyrene
Concen: 3.743 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM050016.D
Acq: 23 Apr 2025 16:35

Tgt Ion:252 Resp: 298721
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 10.5 7.0 10.4#





#92

Benzo(g,h,i)perylene

Concen: 2.597 ng

RT: 28.844 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM050016.D

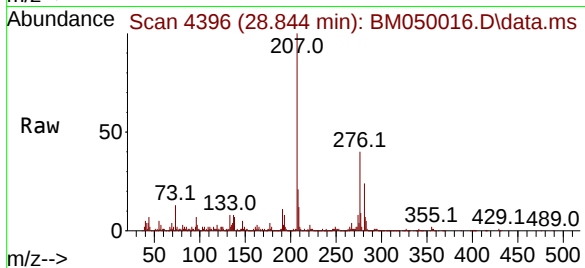
Acq: 23 Apr 2025 16:35

Instrument :

BNA_M

ClientSampleId :

COMP-2



Tgt Ion:276 Resp: 231659

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 18.7 14.6 21.8

