

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102423\
 Data File : BM042415.D
 Acq On : 24 Oct 2023 12:25
 Operator : MA/JU
 Sample : 04920-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LSS-B1-COMP-101623

Quant Time: Oct 25 02:12:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

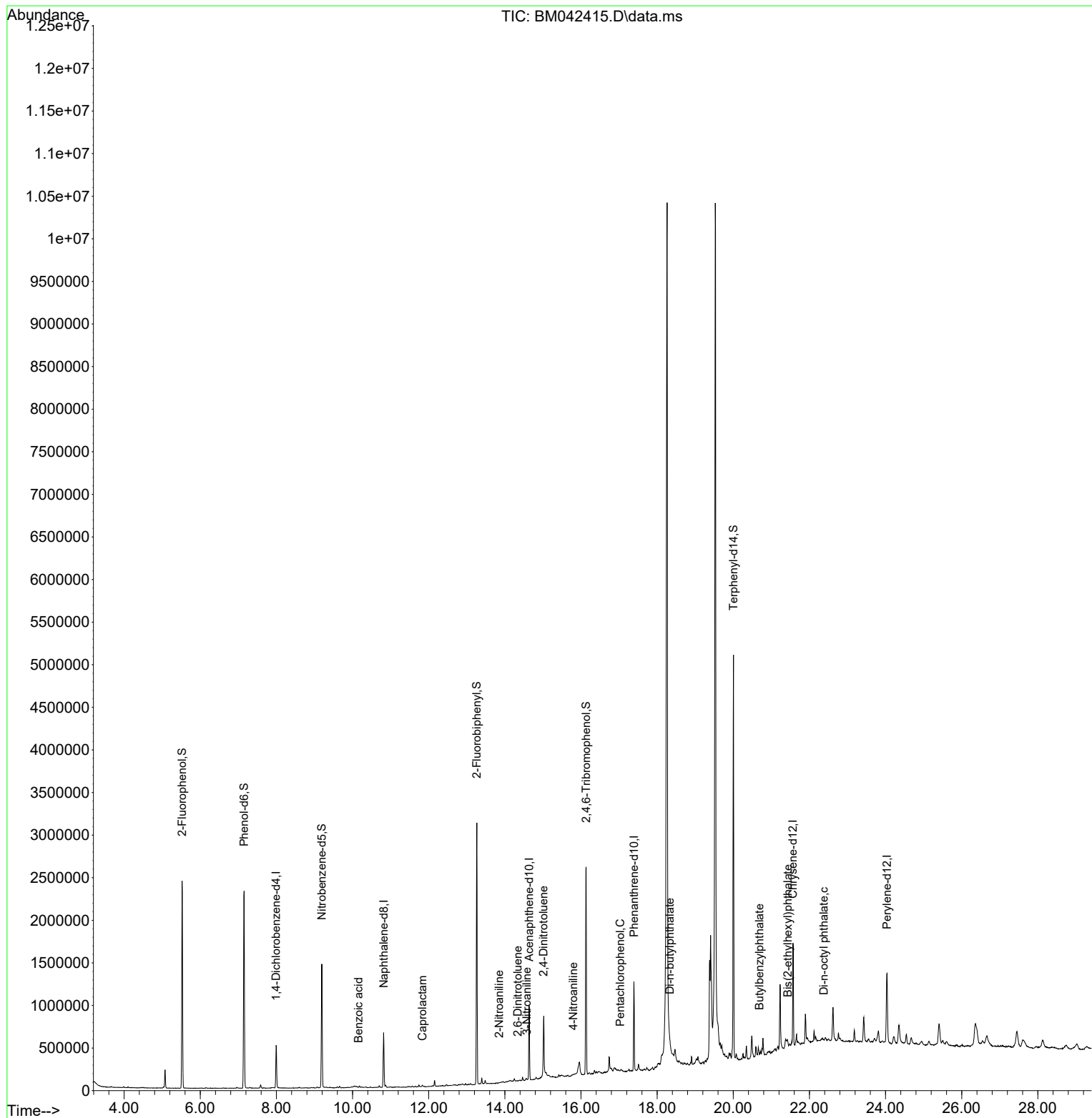
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	123737	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	480607	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	274604	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	591021	20.000	ng	0.00
76) Chrysene-d12	21.568	240	542368	20.000	ng	-0.01
86) Perylene-d12	24.033	264	623933	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	955524	109.139	ng	0.00
7) Phenol-d6	7.151	99	1232102	105.013	ng	0.00
23) Nitrobenzene-d5	9.192	82	775331	71.336	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	418664	137.480	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	1466060	71.893	ng	0.00
79) Terphenyl-d14	20.004	244	2073890	67.814	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.157	122	77	5.336	ng	# 1
35) Caprolactam	11.833	113	3061	6.966	ng	# 56
48) 2-Nitroaniline	13.851	65	121	3.656	ng	91
51) 2,6-Dinitrotoluene	14.339	165	353	2.960	ng	89
53) 3-Nitroaniline	14.580	138	124	3.287	ng	# 50
57) 2,4-Dinitrotoluene	15.016	165	190	4.092	ng	# 67
62) 4-Nitroaniline	15.798	138	196	3.836	ng	92
70) Pentachlorophenol	17.027	266	269	6.037	ng	# 52
74) Di-n-butylphthalate	18.333	149	5856	2.963	ng	# 76
80) Butylbenzylphthalate	20.686	149	674	3.295	ng	# 37
84) Bis(2-ethylhexyl)phtha...	21.433	149	18752	4.082	ng	# 96
85) Di-n-octyl phthalate	22.374	149	899	4.238	ng	# 65

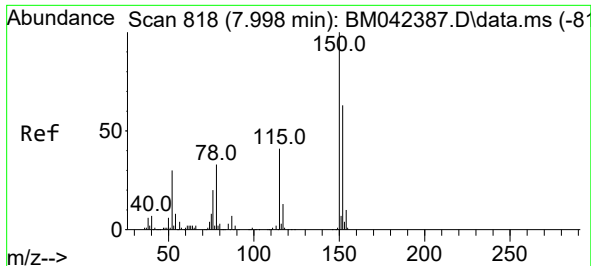
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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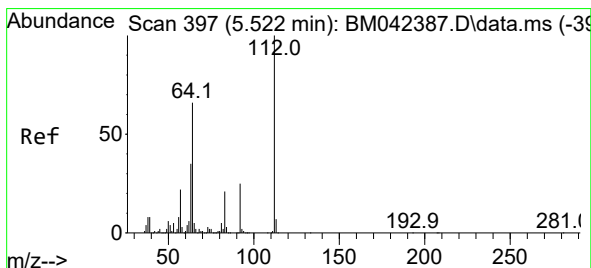
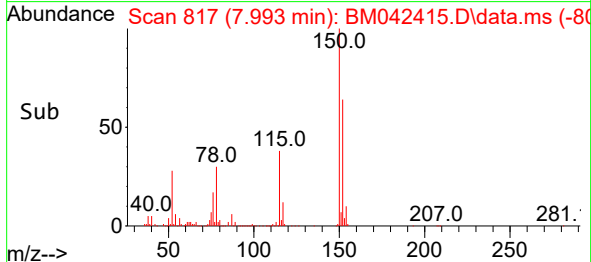
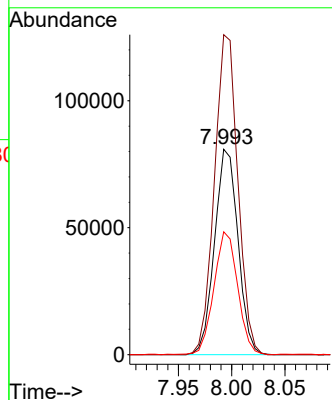
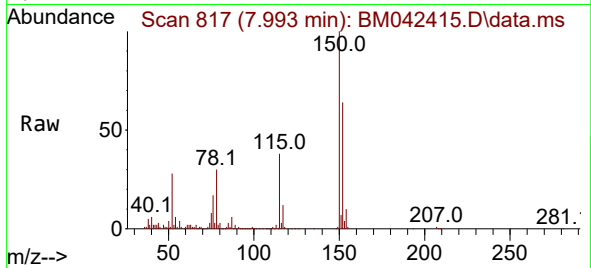




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.993 min Scan# 818
Delta R.T. -0.005 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

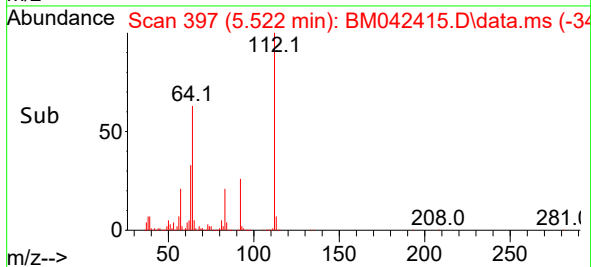
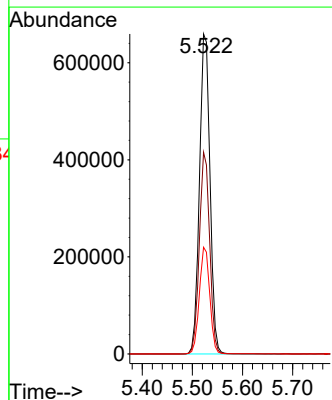
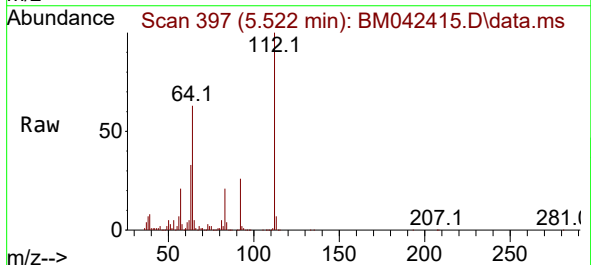
Instrument :
BNA_M
ClientSampleId :
LSS-B1-COMP-101623

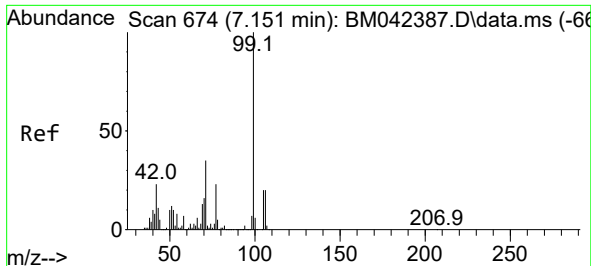
Tgt Ion:152 Resp: 123737
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.4
115 59.8 51.9 77.9



#5
2-Fluorophenol
Concen: 109.139 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

Tgt Ion:112 Resp: 955524
Ion Ratio Lower Upper
112 100
64 63.0 52.7 79.1
63 33.3 28.3 42.5

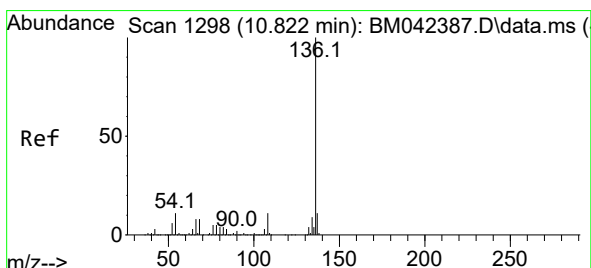
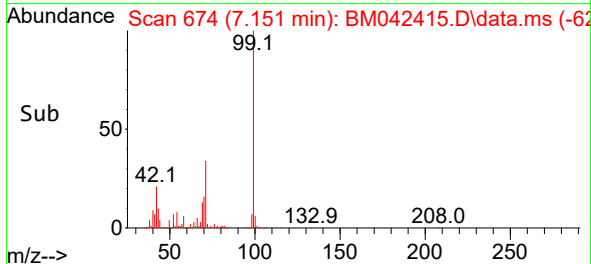
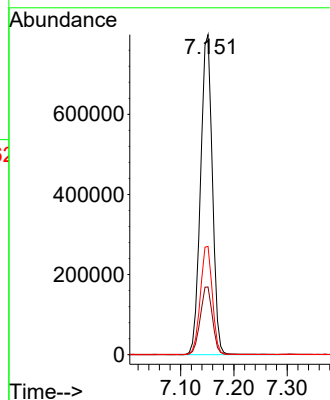
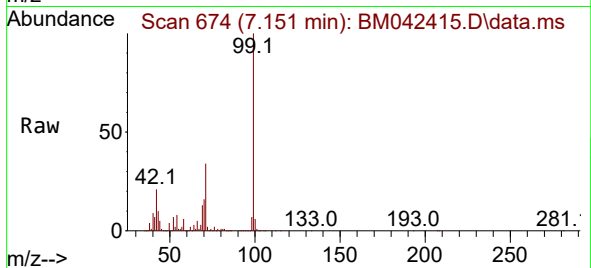




#7
Phenol-d6
Concen: 105.013 ng
RT: 7.151 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

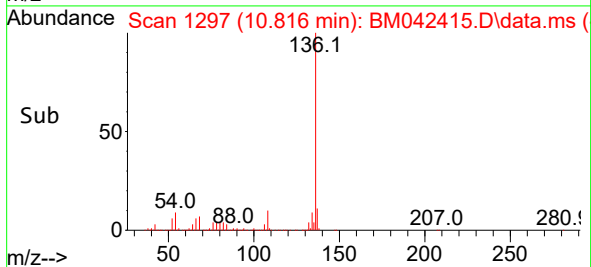
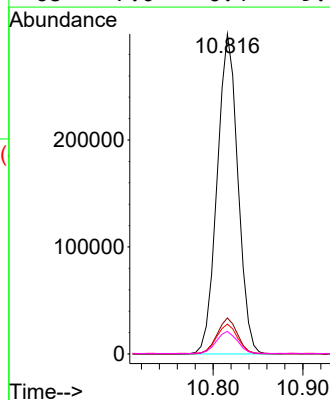
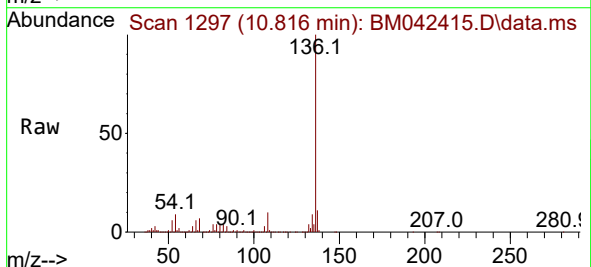
Instrument :
BNA_M
ClientSampleId :
LSS-B1-COMP-101623

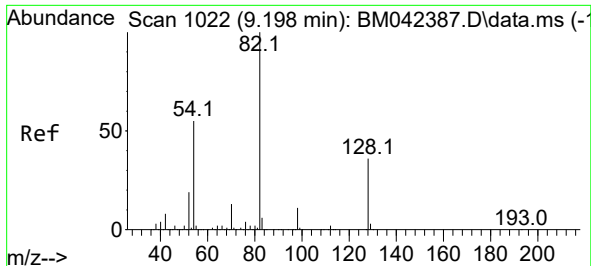
Tgt Ion: 99 Resp: 1232102
Ion Ratio Lower Upper
99 100
42 21.2 18.5 27.7
71 33.9 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

Tgt Ion:136 Resp: 480607
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 9.4 8.6 12.8
68 7.0 6.4 9.6





#23

Nitrobenzene-d5

Concen: 71.336 ng

RT: 9.192 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

Instrument :

BNA_M

ClientSampleId :

LSS-B1-COMP-101623

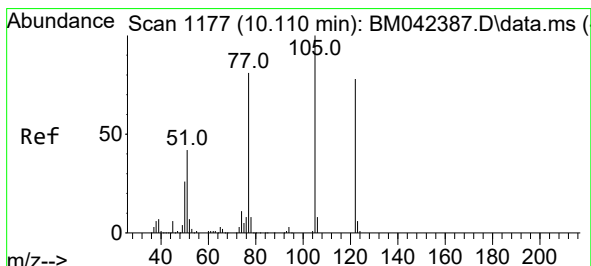
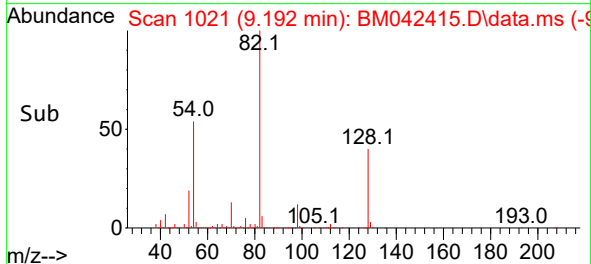
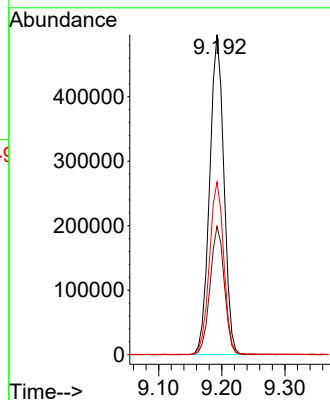
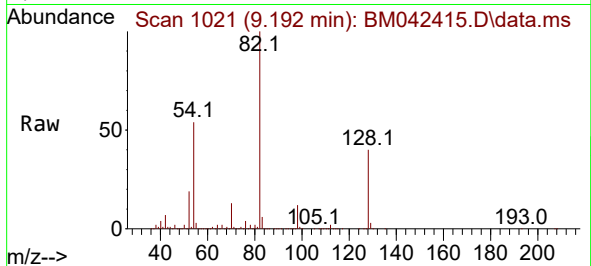
Tgt Ion: 82 Resp: 775331

Ion Ratio Lower Upper

82 100

128 40.1 29.0 43.6

54 53.9 43.7 65.5



#32

Benzoic acid

Concen: 5.336 ng

RT: 10.157 min Scan# 1185

Delta R.T. 0.047 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

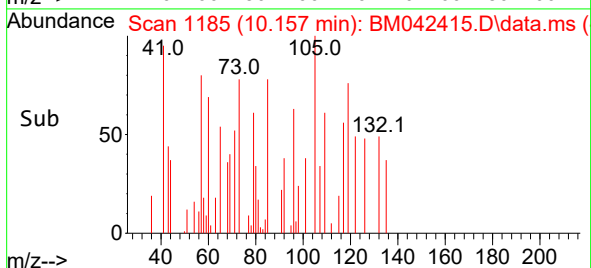
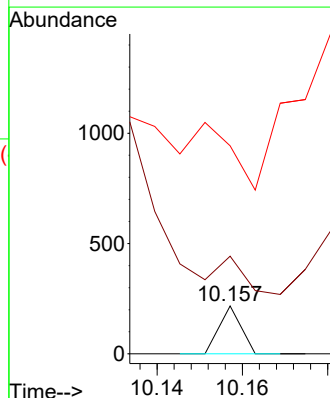
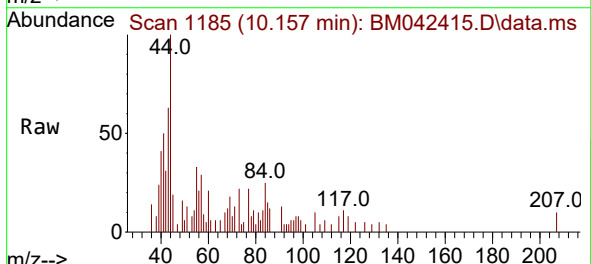
Tgt Ion:122 Resp: 77

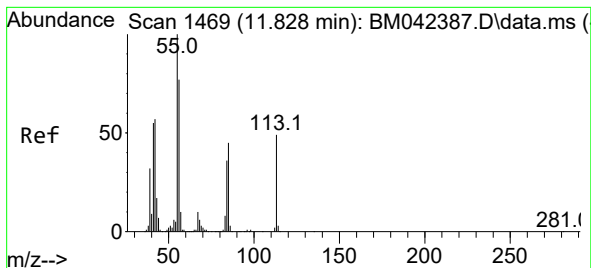
Ion Ratio Lower Upper

122 100

105 204.1 104.9 144.9#

77 434.6 83.4 123.4#





#35

Caprolactam

Concen: 6.966 ng

RT: 11.833 min Scan# 14

Delta R.T. 0.005 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

Instrument :

BNA_M

ClientSampleId :

LSS-B1-COMP-101623

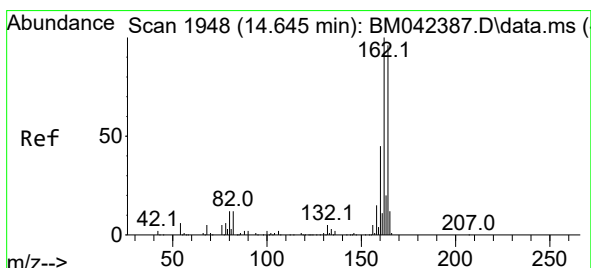
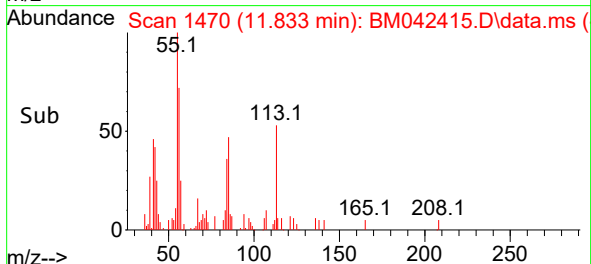
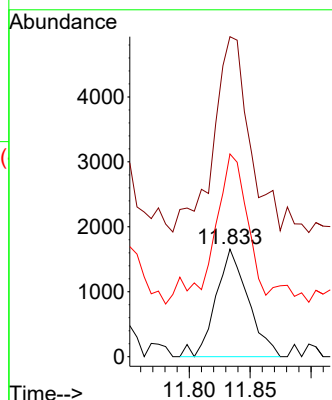
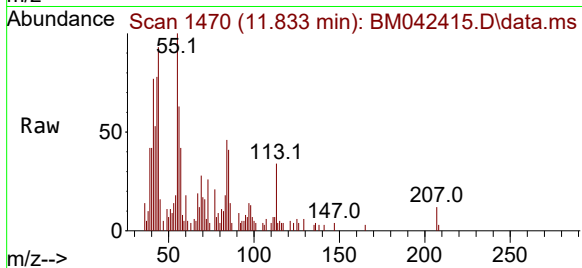
Tgt Ion:113 Resp: 3061

Ion Ratio Lower Upper

113 100

55 297.4 185.6 225.6#

56 188.4 137.8 177.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.639 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

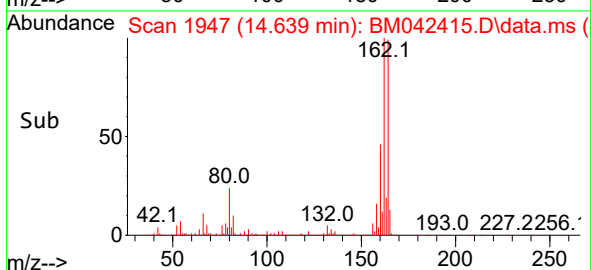
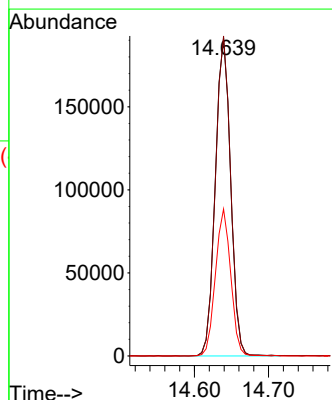
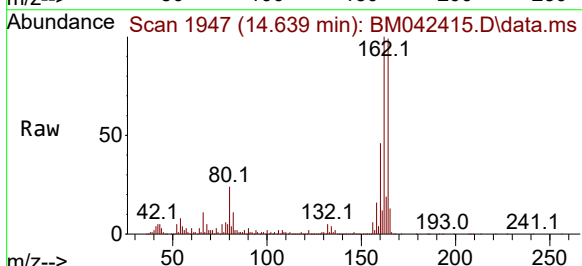
Tgt Ion:164 Resp: 274604

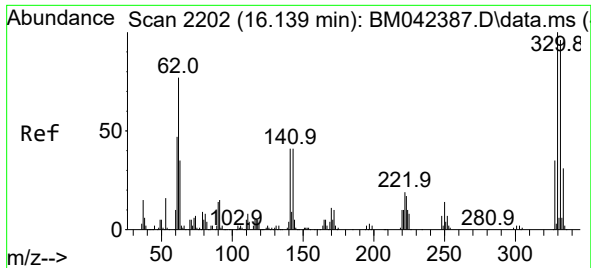
Ion Ratio Lower Upper

164 100

162 100.6 83.0 124.4

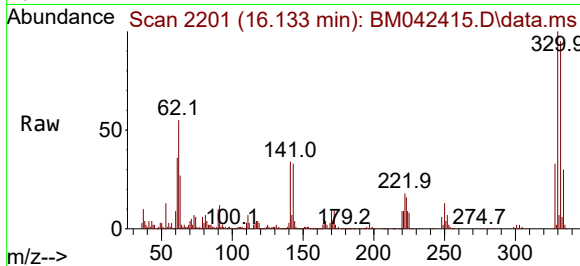
160 46.2 37.0 55.4



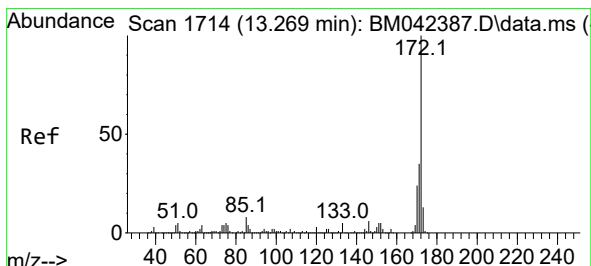
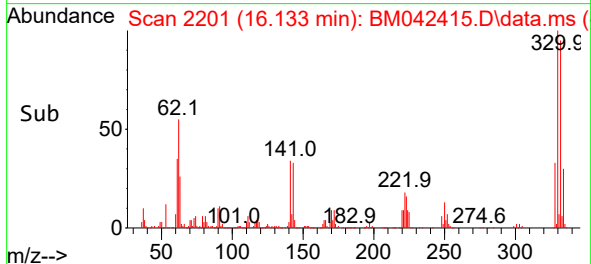
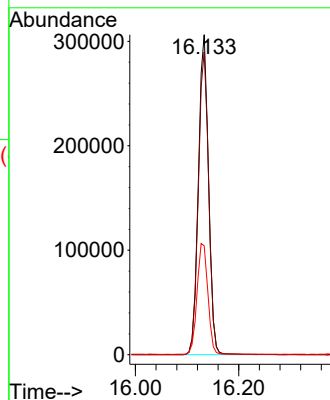


#42
2,4,6-Tribromophenol
Concen: 137.480 ng
RT: 16.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

Instrument :
BNA_M
ClientSampleId :
LSS-B1-COMP-101623

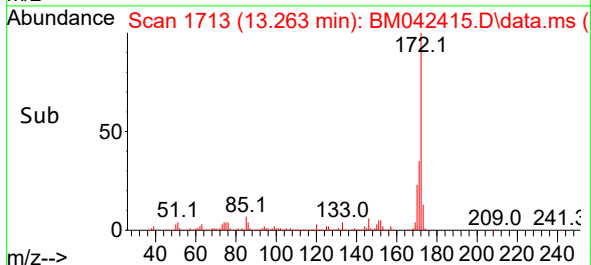
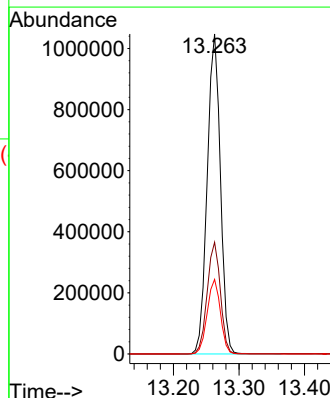
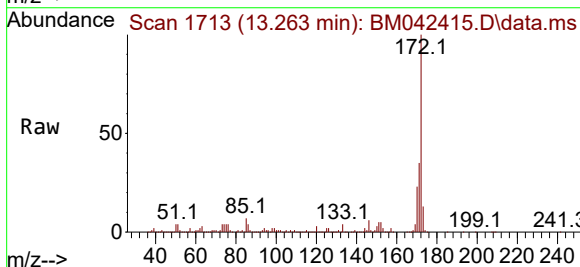


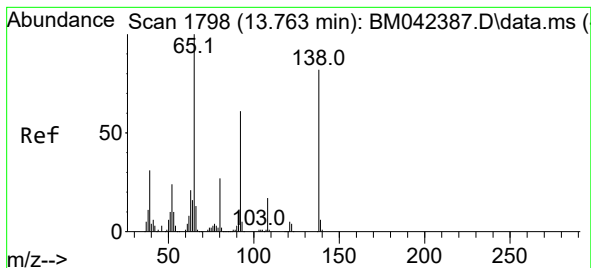
Tgt Ion:330 Resp: 418664
Ion Ratio Lower Upper
330 100
332 96.0 77.6 116.4
141 36.7 38.0 57.0#



#45
2-Fluorobiphenyl
Concen: 71.893 ng
RT: 13.263 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

Tgt Ion:172 Resp: 1466060
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.3 18.9 28.3





#48

2-Nitroaniline

Concen: 3.656 ng

RT: 13.851 min Scan# 1813

Delta R.T. 0.088 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

Instrument :

BNA_M

ClientSampleId :

LSS-B1-COMP-101623

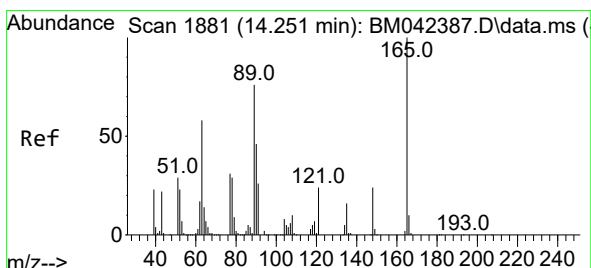
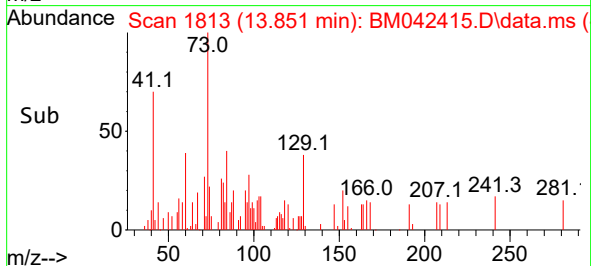
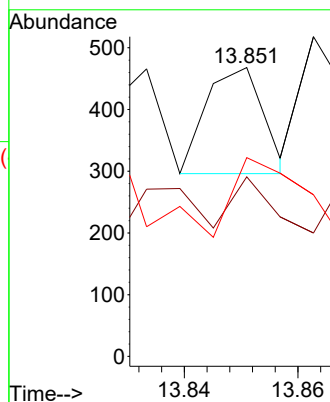
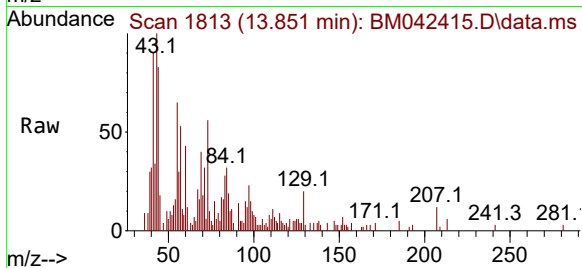
Tgt Ion: 65 Resp: 121

Ion Ratio Lower Upper

65 100

92 62.2 49.0 73.6

138 68.8 65.5 98.3



#51

2,6-Dinitrotoluene

Concen: 2.960 ng

RT: 14.339 min Scan# 1896

Delta R.T. 0.088 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

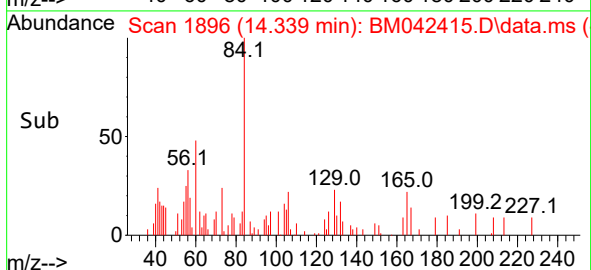
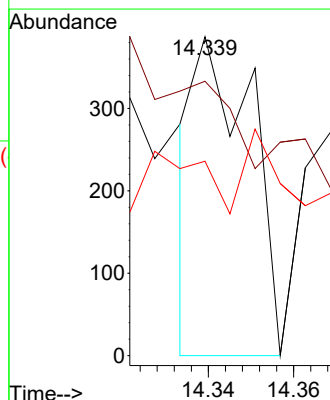
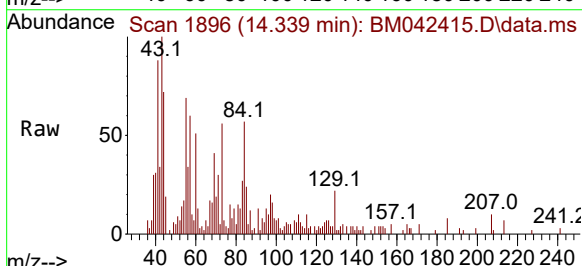
Tgt Ion:165 Resp: 353

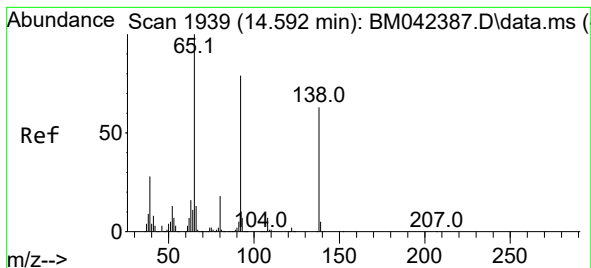
Ion Ratio Lower Upper

165 100

63 86.0 65.3 97.9

89 61.0 60.6 91.0





#53

3-Nitroaniline

Concen: 3.287 ng

RT: 14.580 min Scan# 1939

Delta R.T. -0.012 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

Instrument :

BNA_M

ClientSampleId :

LSS-B1-COMP-101623

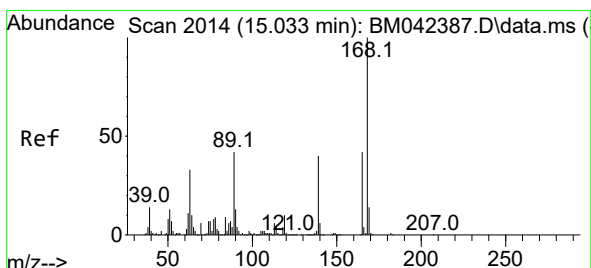
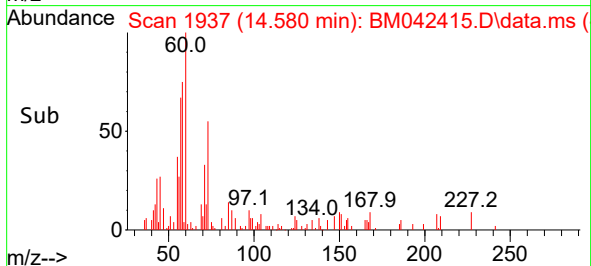
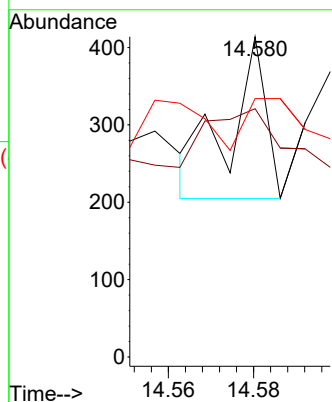
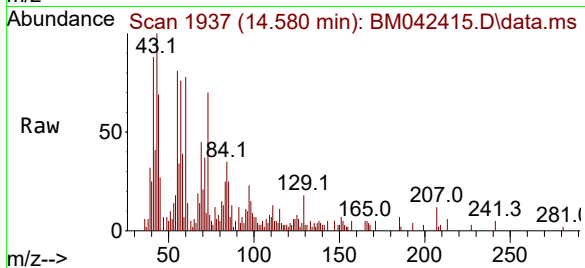
Tgt Ion:138 Resp: 124

Ion Ratio Lower Upper

138 100

108 77.5 8.3 12.5#

92 80.7 100.6 151.0#



#57

2,4-Dinitrotoluene

Concen: 4.092 ng

RT: 15.016 min Scan# 2011

Delta R.T. -0.017 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

Tgt Ion:165 Resp: 190

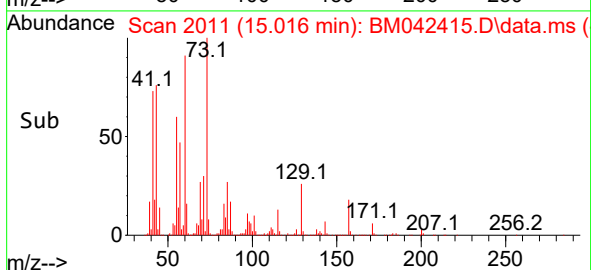
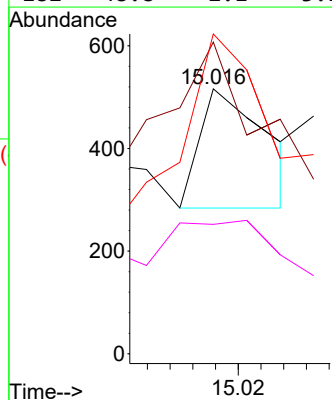
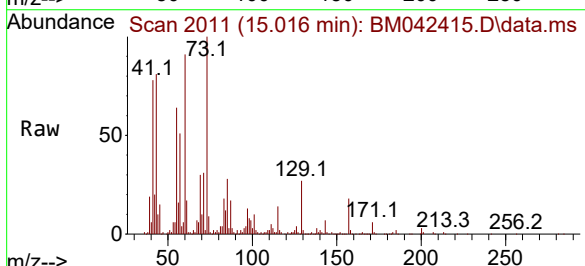
Ion Ratio Lower Upper

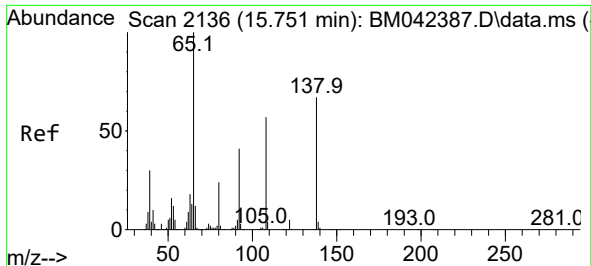
165 100

63 117.6 62.9 94.3#

89 120.7 80.2 120.2#

182 48.8 2.1 3.1#

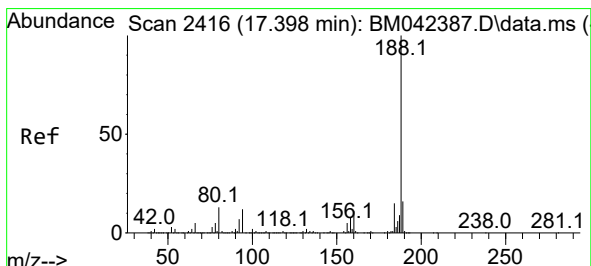
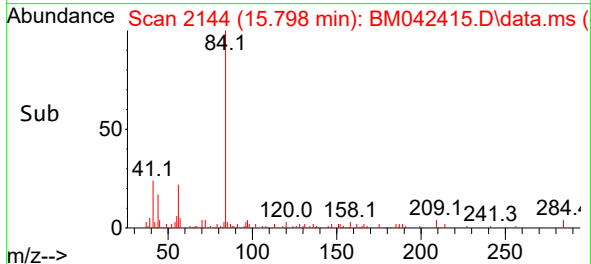
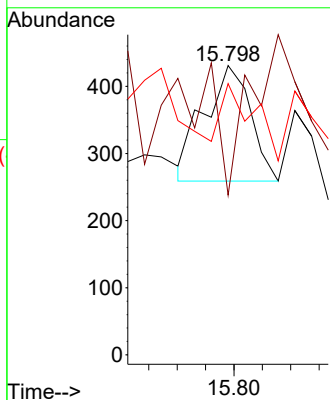
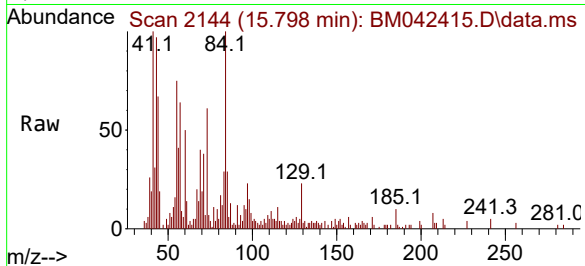




#62
4-Nitroaniline
Concen: 3.836 ng
RT: 15.798 min Scan# 2136
Delta R.T. 0.047 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

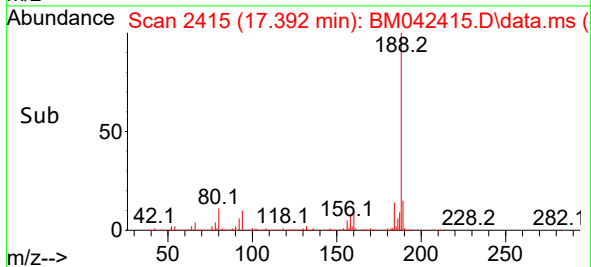
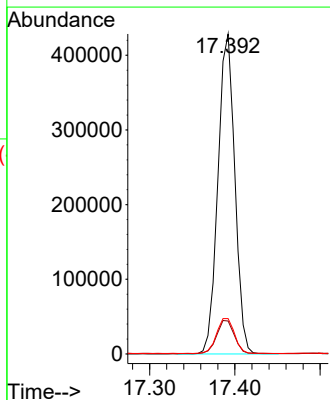
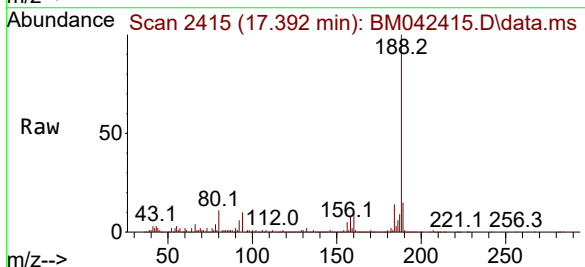
Instrument :
BNA_M
ClientSampleId :
LSS-B1-COMP-101623

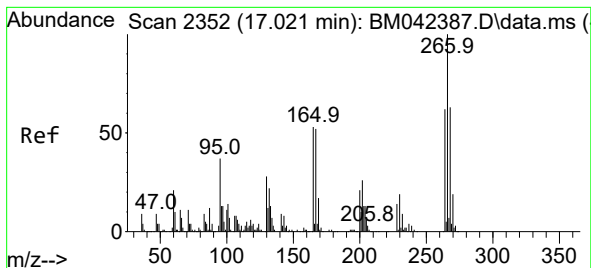
Tgt Ion:138 Resp: 196
Ion Ratio Lower Upper
138 100
92 55.2 40.4 80.4
108 93.7 65.3 105.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

Tgt Ion:188 Resp: 591021
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.0
80 11.0 10.7 16.1





#70

Pentachlorophenol

Concen: 6.037 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

Instrument :

BNA_M

ClientSampleId :

LSS-B1-COMP-101623

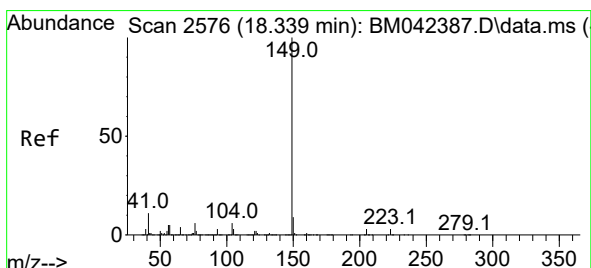
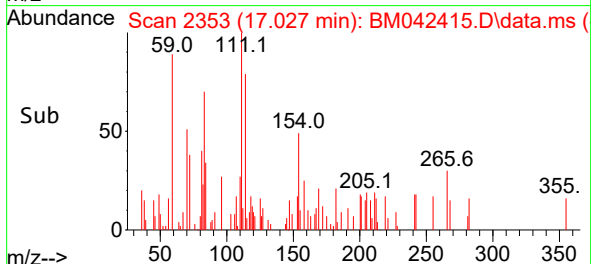
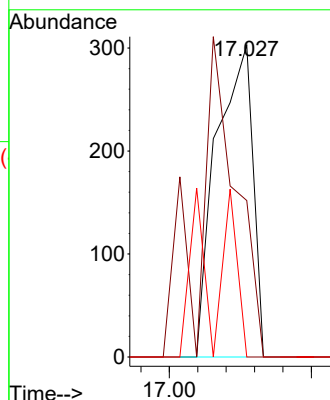
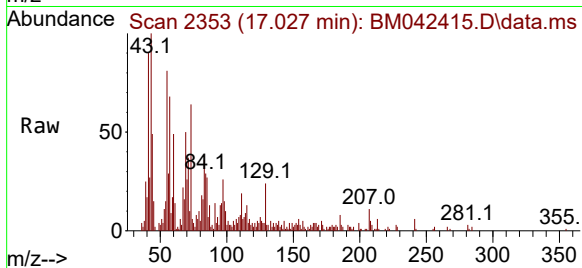
Tgt Ion:266 Resp: 269

Ion Ratio Lower Upper

266 100

268 50.2 50.6 76.0#

264 0.0 49.4 74.0#



#74

Di-n-butylphthalate

Concen: 2.963 ng

RT: 18.333 min Scan# 2575

Delta R.T. -0.006 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

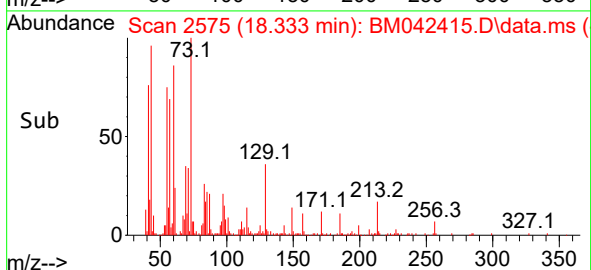
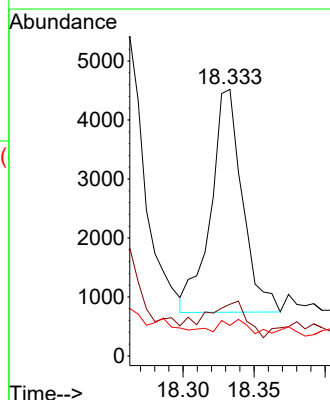
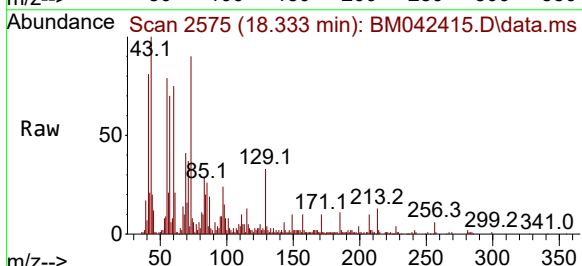
Tgt Ion:149 Resp: 5856

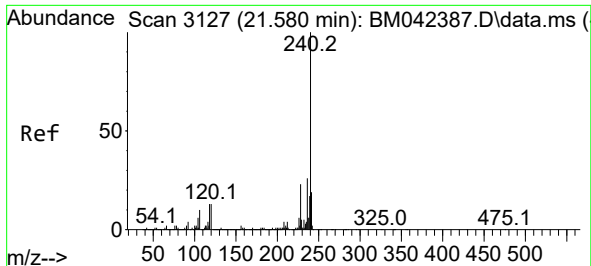
Ion Ratio Lower Upper

149 100

150 19.4 7.4 11.0#

104 11.4 4.6 7.0#

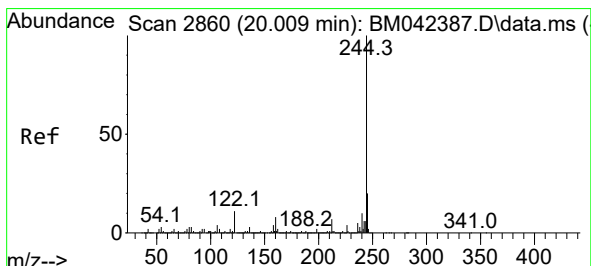
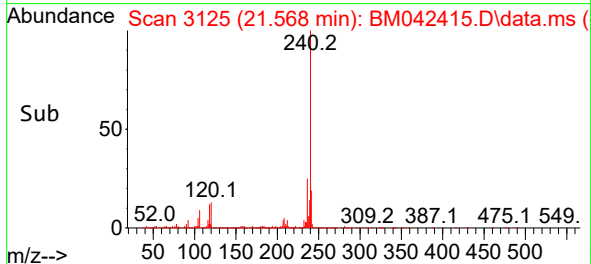
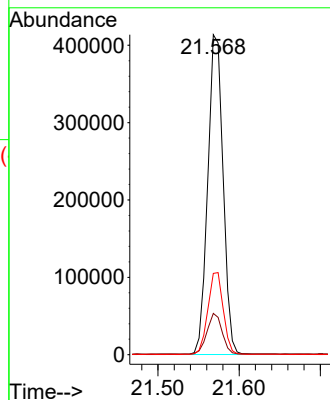
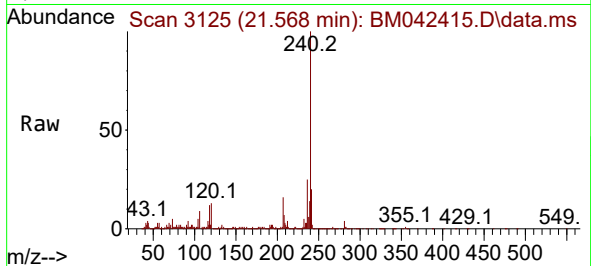




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

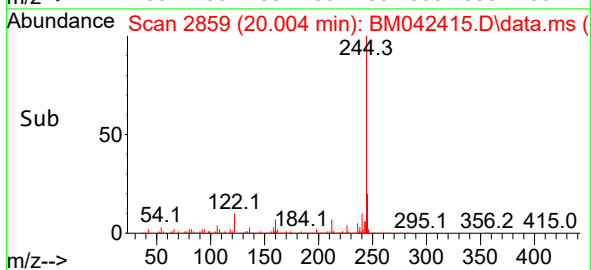
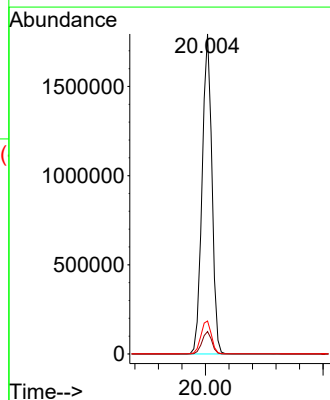
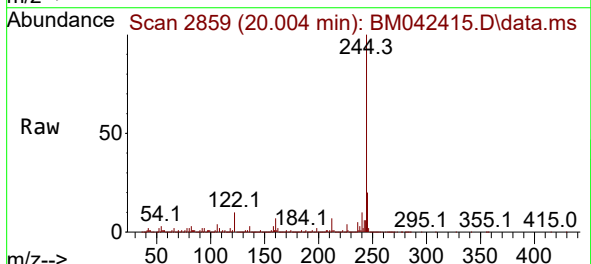
Instrument :
BNA_M
ClientSampleId :
LSS-B1-COMP-101623

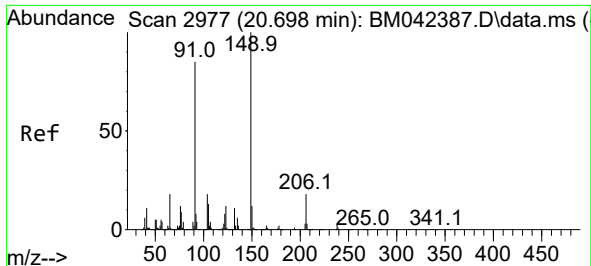
Tgt Ion:240 Resp: 542368
Ion Ratio Lower Upper
240 100
120 12.9 10.7 16.1
236 25.4 20.7 31.1



#79
Terphenyl-d14
Concen: 67.814 ng
RT: 20.004 min Scan# 2859
Delta R.T. -0.005 min
Lab File: BM042415.D
Acq: 24 Oct 2023 12:25

Tgt Ion:244 Resp: 2073890
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.3 8.8 13.2

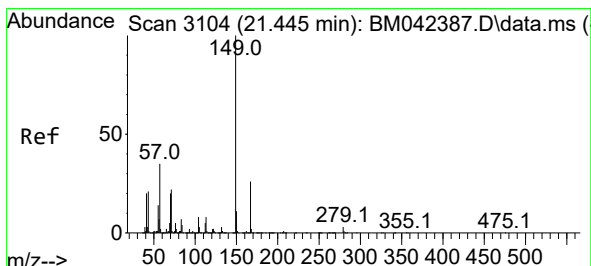
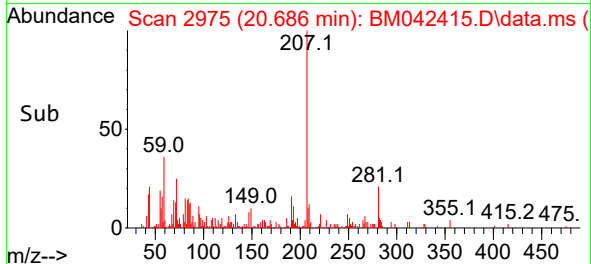
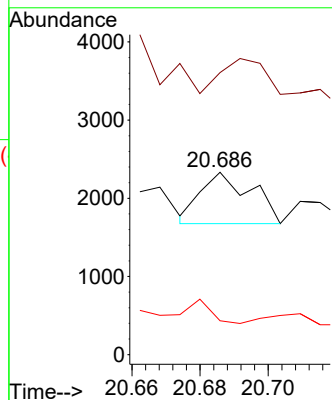
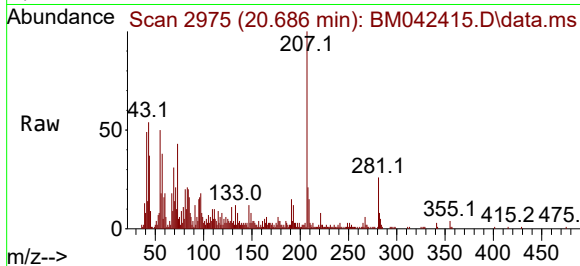




#80
 Butylbenzylphthalate
 Concen: 3.295 ng
 RT: 20.686 min Scan# 2975
 Delta R.T. -0.012 min
 Lab File: BM042415.D
 Acq: 24 Oct 2023 12:25

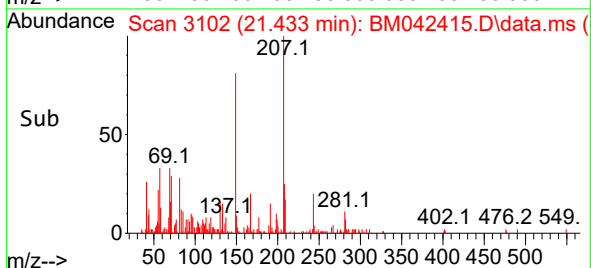
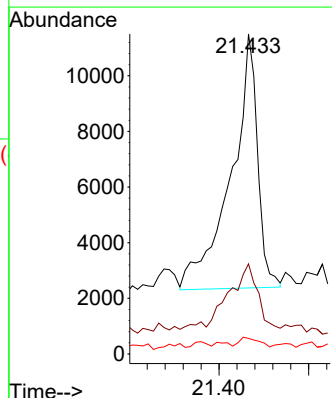
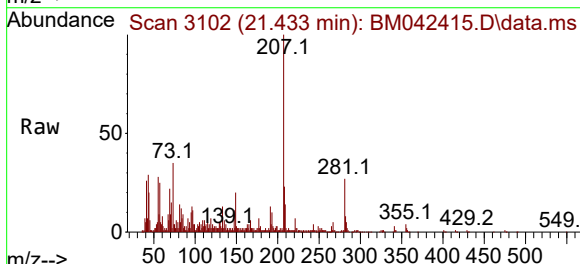
Instrument :
 BNA_M
 ClientSampleId :
 LSS-B1-COMP-101623

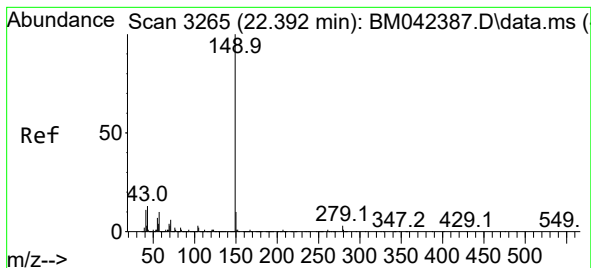
Tgt Ion:149 Resp: 674
 Ion Ratio Lower Upper
 149 100
 91 154.7 68.3 102.5#
 206 18.6 14.6 22.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.082 ng
 RT: 21.433 min Scan# 3102
 Delta R.T. -0.012 min
 Lab File: BM042415.D
 Acq: 24 Oct 2023 12:25

Tgt Ion:149 Resp: 18752
 Ion Ratio Lower Upper
 149 100
 167 28.2 20.9 31.3
 279 4.9 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 4.238 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

Instrument :

BNA_M

ClientSampleId :

LSS-B1-COMP-101623

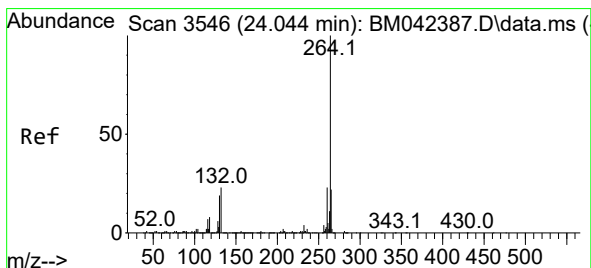
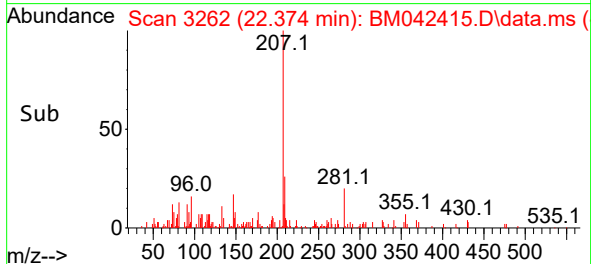
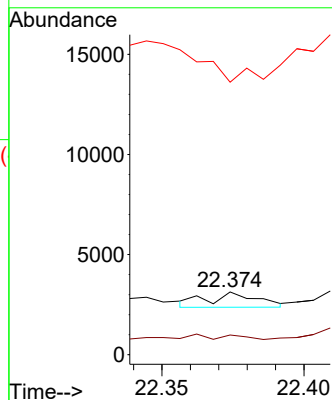
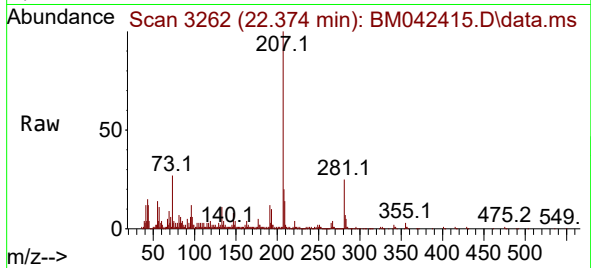
Tgt Ion:149 Resp: 899

Ion Ratio Lower Upper

149 100

167 18.1 1.2 1.8#

43 0.0 11.0 16.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.033 min Scan# 3544

Delta R.T. -0.012 min

Lab File: BM042415.D

Acq: 24 Oct 2023 12:25

Tgt Ion:264 Resp: 623933

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 22.6 17.8 26.8

