

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102423\
 Data File : BM042429.D
 Acq On : 24 Oct 2023 20:56
 Operator : MA/JU
 Sample : 04981-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 25 02:14:15 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)

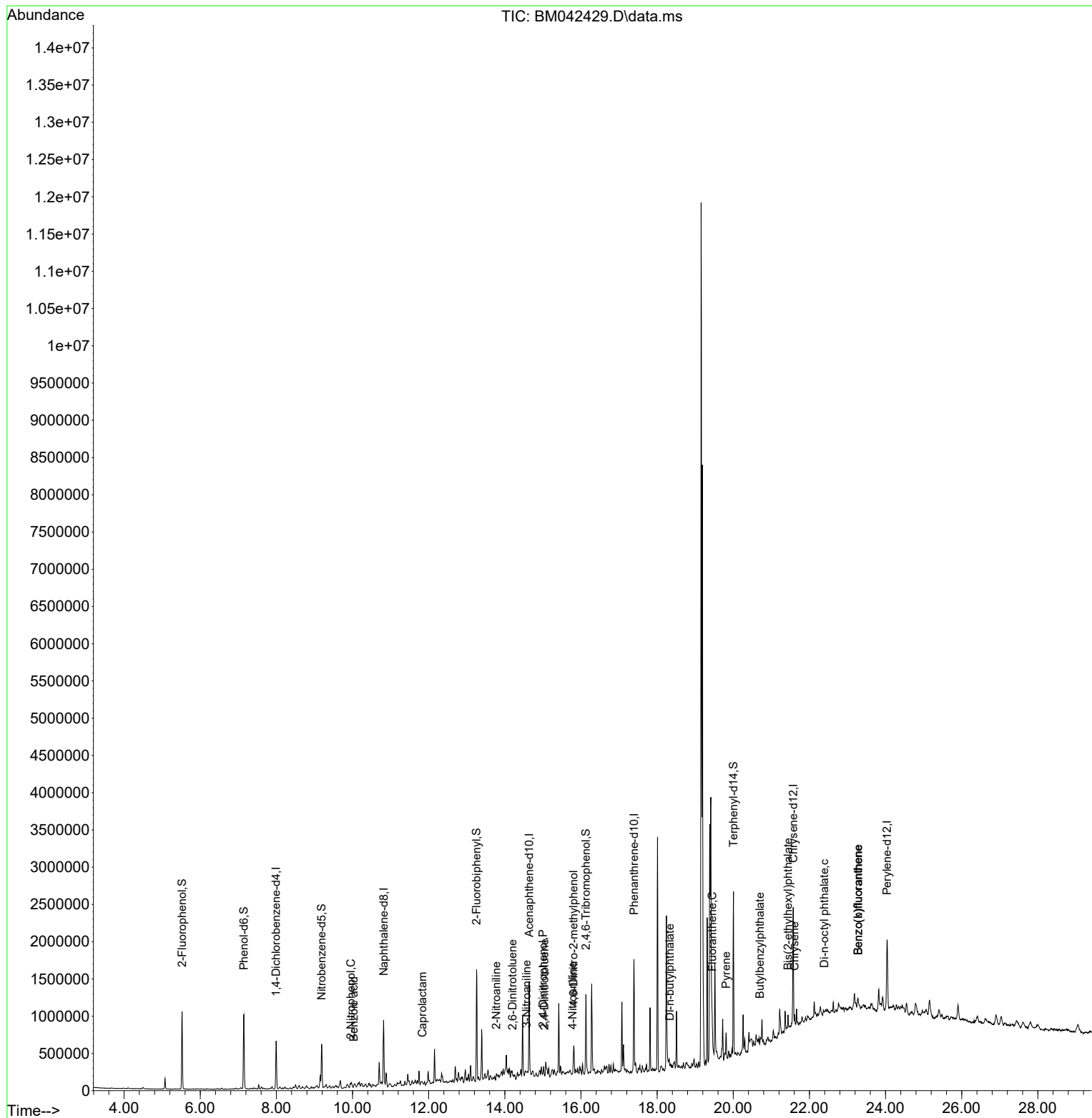
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	155940	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	656943	20.000	ng	0.00
39) Acenaphthene-d10	14.640	164	396116	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	826850	20.000	ng	0.00
76) Chrysene-d12	21.574	240	675151	20.000	ng	0.00
86) Perylene-d12	24.039	264	698437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	406118	36.807	ng	0.00
7) Phenol-d6	7.146	99	538624	36.427	ng	0.00
23) Nitrobenzene-d5	9.187	82	330925	22.275	ng	-0.01
42) 2,4,6-Tribromophenol	16.128	330	171179	45.591	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	715117	24.311	ng	-0.01
79) Terphenyl-d14	20.004	244	977556	25.679	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.958	139	585	2.804	ng	# 1
32) Benzoic acid	10.028	122	860	5.426	ng	# 1
35) Caprolactam	11.834	113	867	6.144	ng	# 1
48) 2-Nitroaniline	13.775	65	772	3.710	ng	# 49
51) 2,6-Dinitrotoluene	14.204	165	419	2.947	ng	# 72
53) 3-Nitroaniline	14.569	138	412	3.315	ng	# 43
54) 2,4-Dinitrophenol	15.004	184	59	8.181	ng	# 1
57) 2,4-Dinitrotoluene	15.040	165	662	4.132	ng	# 67
62) 4-Nitroaniline	15.775	138	334	3.842	ng	# 16
65) 4,6-Dinitro-2-methylph...	15.804	198	57	6.095	ng	# 1
74) Di-n-butylphthalate	18.333	149	4047	2.889	ng	# 52
75) Fluoranthene	19.445	202	138098	2.788	ng	98
78) Pyrene	19.810	202	188780	4.001	ng	98
80) Butylbenzylphthalate	20.698	149	474	3.279	ng	# 7
83) Chrysene	21.610	228	91456	2.104	ng	# 93
84) Bis(2-ethylhexyl)phtha...	21.439	149	54106	5.023	ng	# 90
85) Di-n-octyl phthalate	22.386	149	505	4.227	ng	# 46
88) Benzo(b)fluoranthene	23.280	252	101060	2.404	ng	# 82
89) Benzo(k)fluoranthene	23.280	252	101060	2.315	ng	# 82

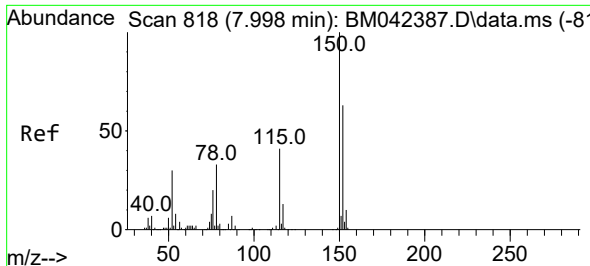
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

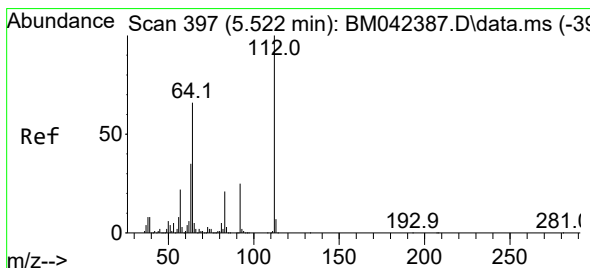
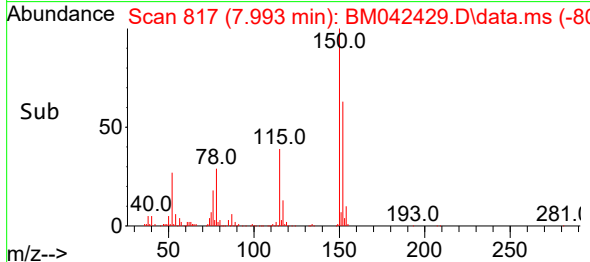
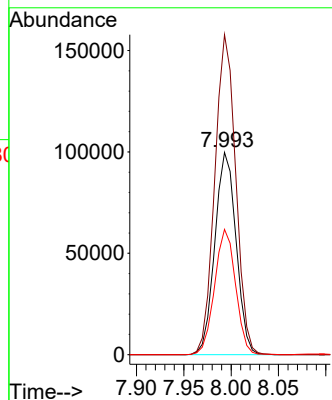
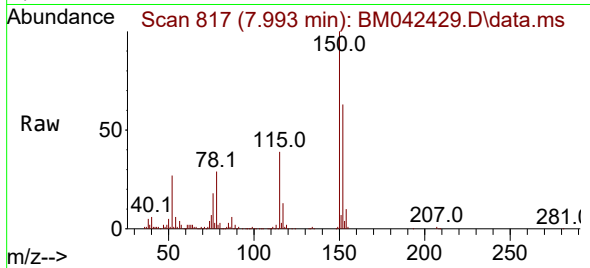




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.993 min Scan# 818
 Delta R.T. -0.005 min
 Lab File: BM042429.D
 Acq: 24 Oct 2023 20:56

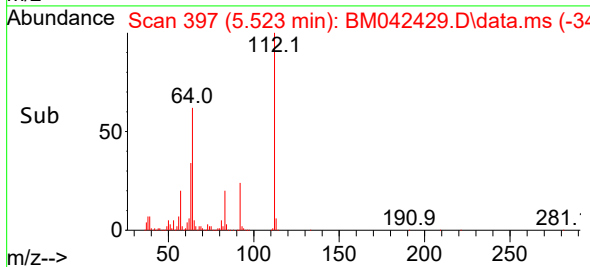
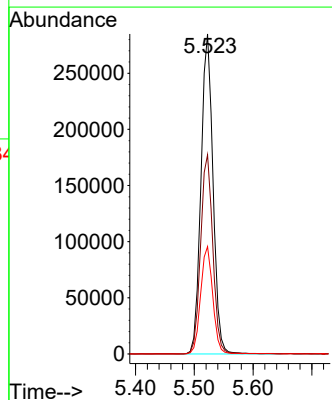
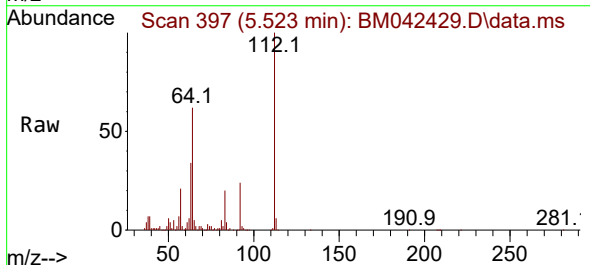
Instrument :
 BNA_M
 ClientSampleId :

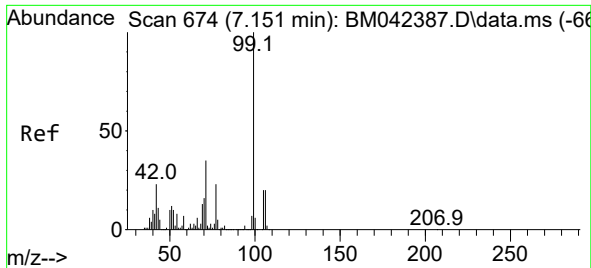
Tgt Ion:152 Resp: 155940
 Ion Ratio Lower Upper
 152 100
 150 158.2 126.2 189.4
 115 61.9 51.9 77.9



#5
 2-Fluorophenol
 Concen: 36.807 ng
 RT: 5.523 min Scan# 397
 Delta R.T. 0.001 min
 Lab File: BM042429.D
 Acq: 24 Oct 2023 20:56

Tgt Ion:112 Resp: 406118
 Ion Ratio Lower Upper
 112 100
 64 62.3 52.7 79.1
 63 33.5 28.3 42.5

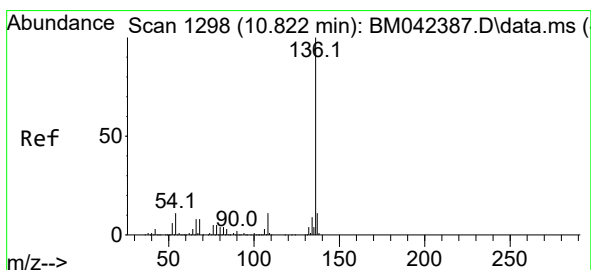
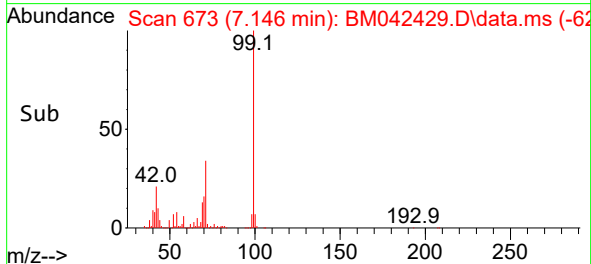
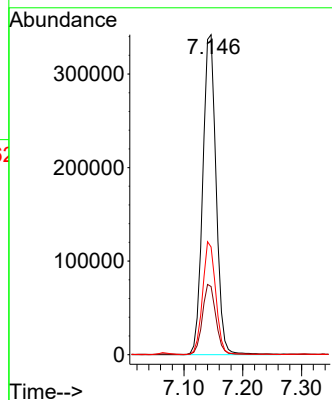
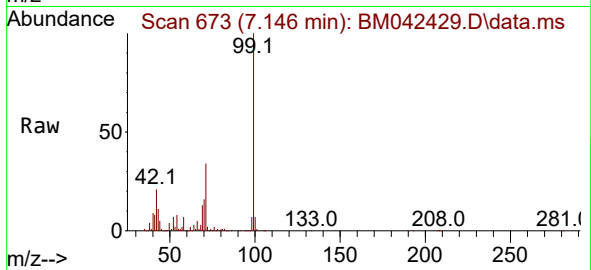




#7
Phenol-d6
Concen: 36.427 ng
RT: 7.146 min Scan# 61
Delta R.T. -0.005 min
Lab File: BM042429.D
Acq: 24 Oct 2023 20:56

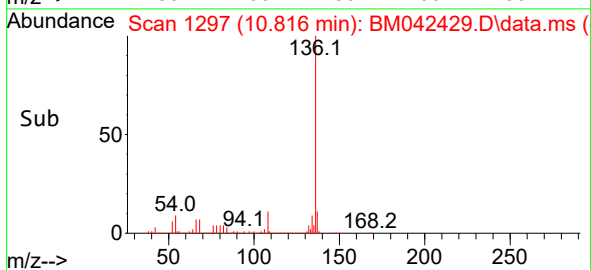
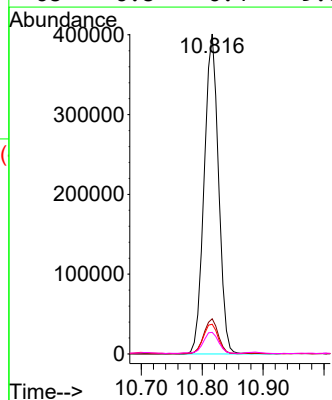
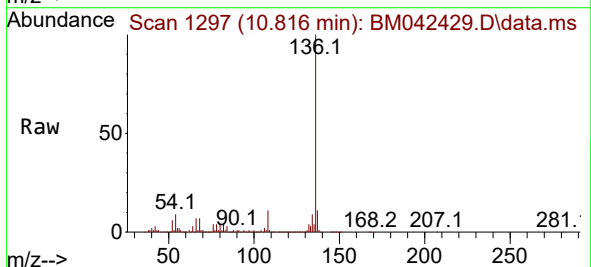
Instrument :
BNA_M
ClientSampleId :

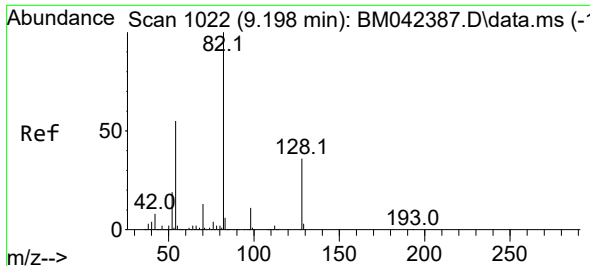
Tgt Ion: 99 Resp: 538624
Ion Ratio Lower Upper
99 100
42 21.3 18.5 27.7
71 33.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.005 min
Lab File: BM042429.D
Acq: 24 Oct 2023 20:56

Tgt Ion: 136 Resp: 656943
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.3 8.6 12.8
68 6.8 6.4 9.6





#23

Nitrobenzene-d5

Concen: 22.275 ng

RT: 9.187 min Scan# 110

Delta R.T. -0.011 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

Instrument :

BNA_M

ClientSampleId :

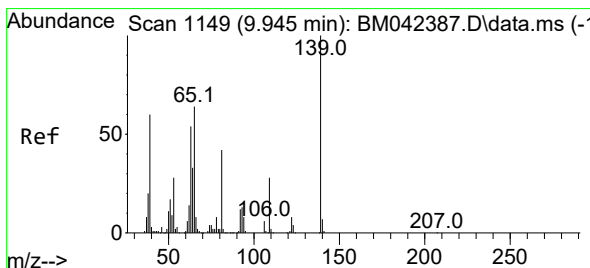
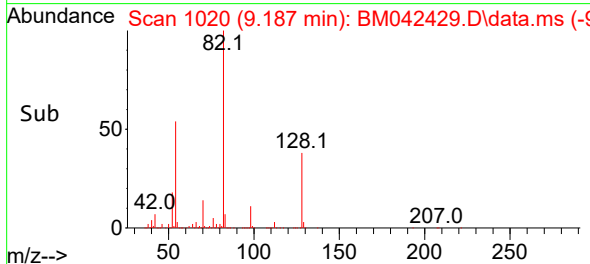
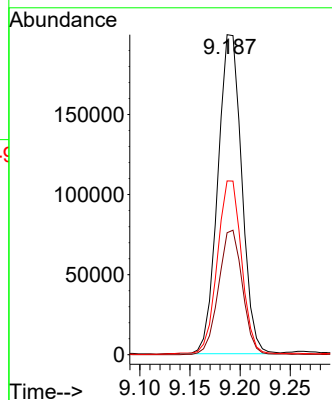
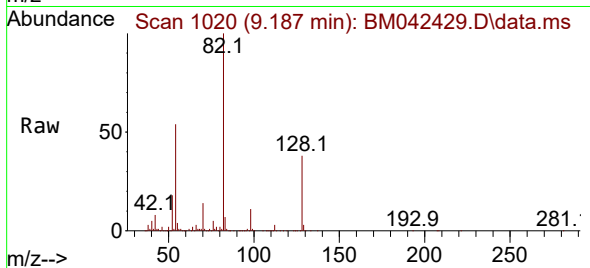
Tgt Ion: 82 Resp: 330925

Ion Ratio Lower Upper

82 100

128 38.1 29.0 43.6

54 54.3 43.7 65.5



#26

2-Nitrophenol

Concen: 2.804 ng

RT: 9.958 min Scan# 1151

Delta R.T. 0.013 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

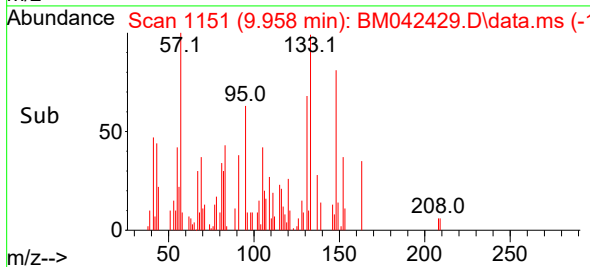
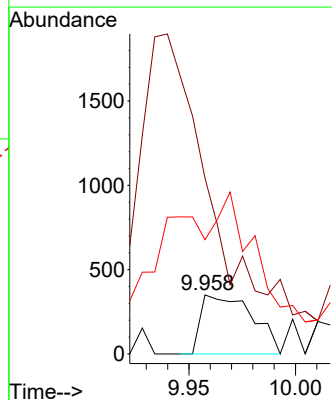
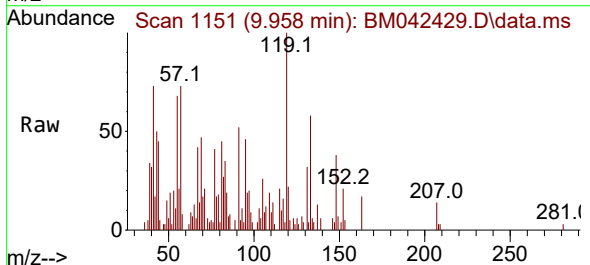
Tgt Ion: 139 Resp: 585

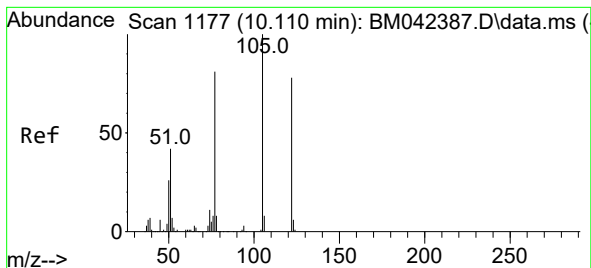
Ion Ratio Lower Upper

139 100

109 298.0 22.3 33.5#

65 193.7 51.1 76.7#





#32

Benzoic acid

Concen: 5.426 ng

RT: 10.028 min Scan# 1177

Delta R.T. -0.082 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

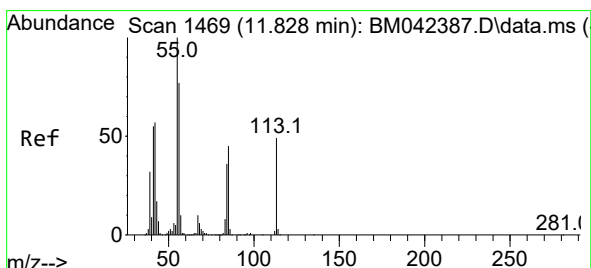
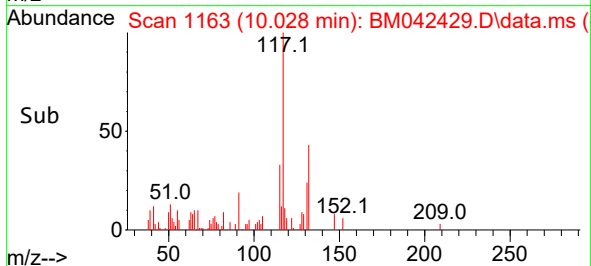
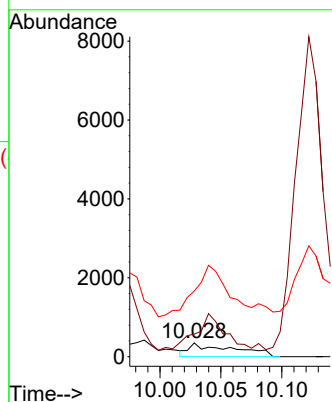
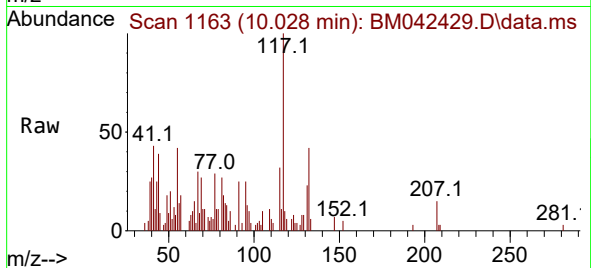
Instrument :

BNA_M

ClientSampleId :

Tgt Ion:122 Resp: 860

Ion	Ratio	Lower	Upper
122	100		
105	164.2	104.9	144.9#
77	476.5	83.4	123.4#



#35

Caprolactam

Concen: 6.144 ng

RT: 11.834 min Scan# 1470

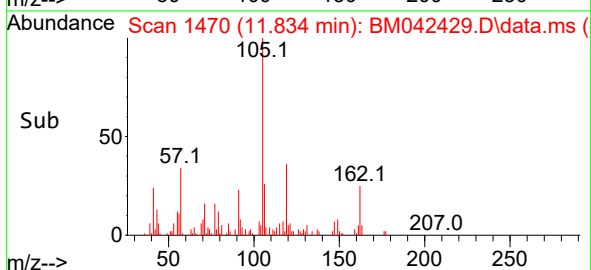
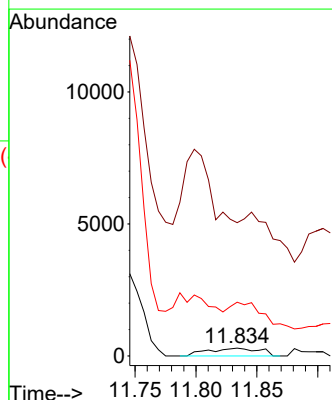
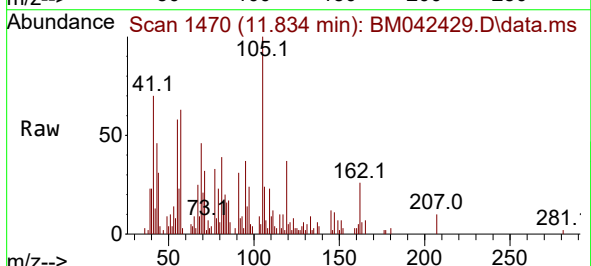
Delta R.T. 0.006 min

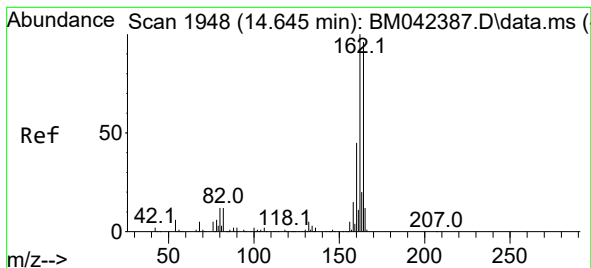
Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

Tgt Ion:113 Resp: 867

Ion	Ratio	Lower	Upper
113	100		
55	1704.7	185.6	225.6#
56	688.9	137.8	177.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.640 min Scan# 1948

Delta R.T. -0.005 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

Instrument :

BNA_M

ClientSampleId :

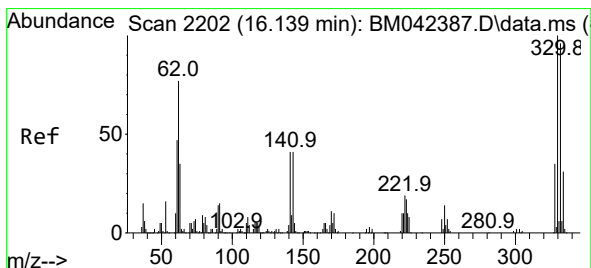
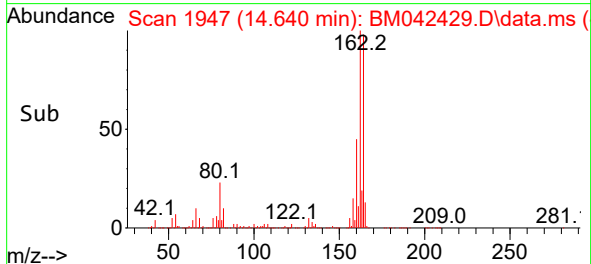
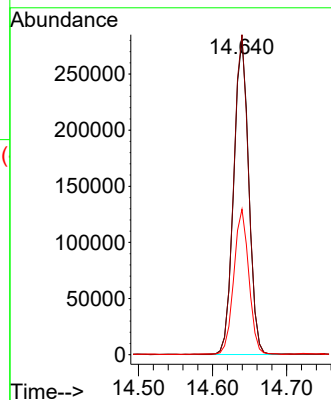
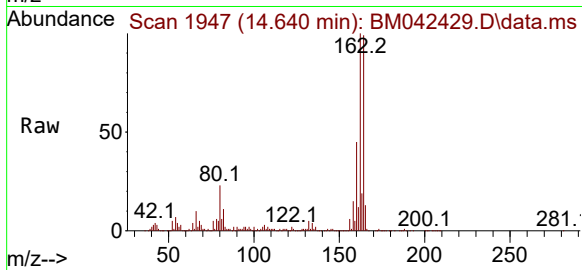
Tgt Ion:164 Resp: 396116

Ion Ratio Lower Upper

164 100

162 101.5 83.0 124.4

160 46.1 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 45.591 ng

RT: 16.128 min Scan# 2200

Delta R.T. -0.011 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

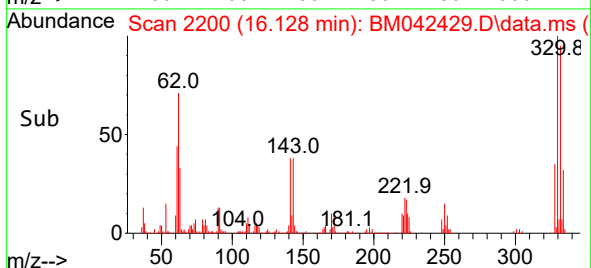
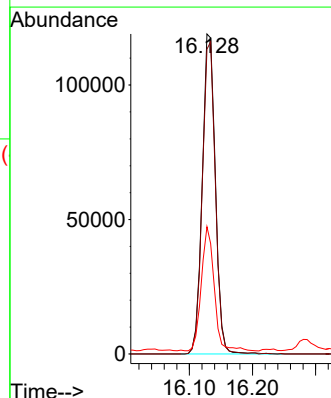
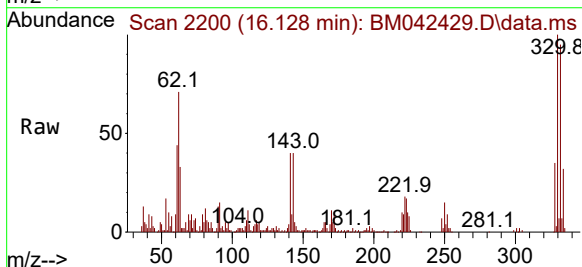
Tgt Ion:330 Resp: 171179

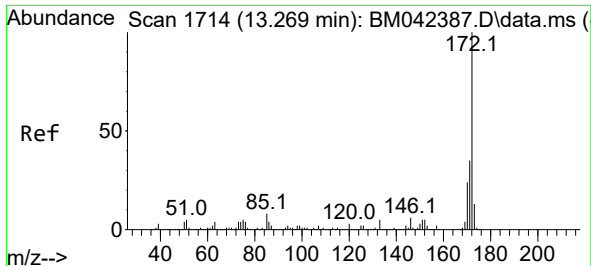
Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

141 38.2 38.0 57.0

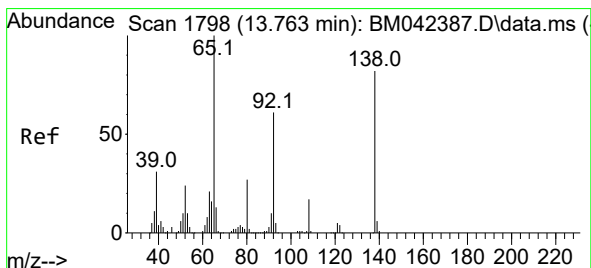
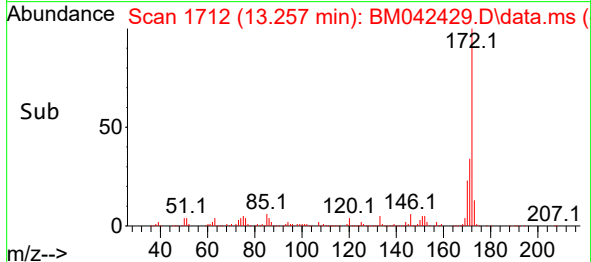
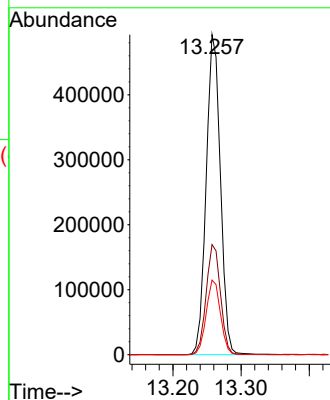
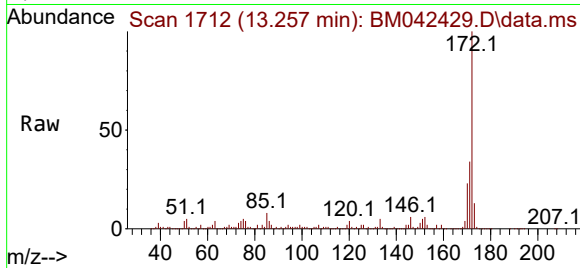




#45
2-Fluorobiphenyl
Concen: 24.311 ng
RT: 13.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM042429.D
Acq: 24 Oct 2023 20:56

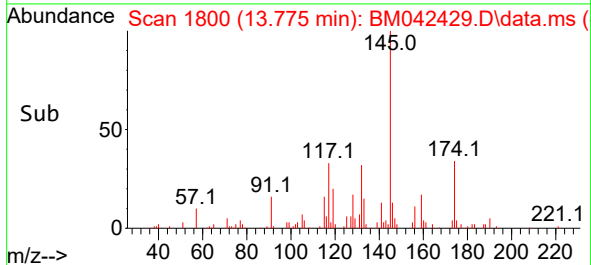
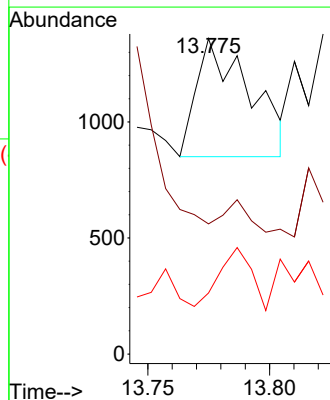
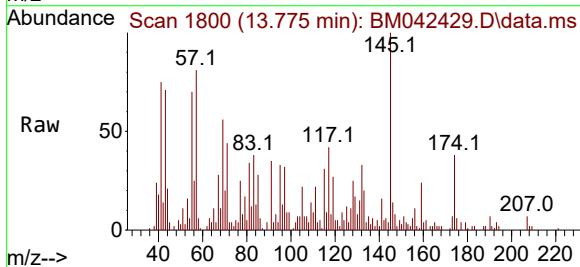
Instrument :
BNA_M
ClientSampleId :

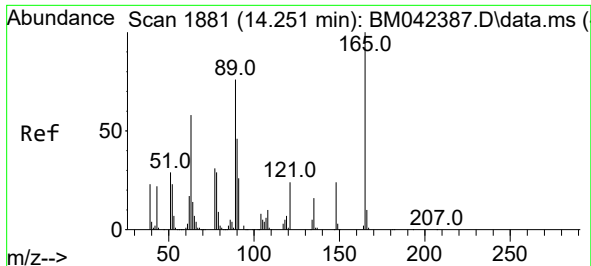
Tgt Ion:172 Resp: 715117
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.3 18.9 28.3



#48
2-Nitroaniline
Concen: 3.710 ng
RT: 13.775 min Scan# 1800
Delta R.T. 0.012 min
Lab File: BM042429.D
Acq: 24 Oct 2023 20:56

Tgt Ion: 65 Resp: 772
Ion Ratio Lower Upper
65 100
92 41.3 49.0 73.6#
138 19.4 65.5 98.3#





#51

2,6-Dinitrotoluene

Concen: 2.947 ng

RT: 14.204 min Scan# 1873

Delta R.T. -0.047 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

Instrument :

BNA_M

ClientSampleId :

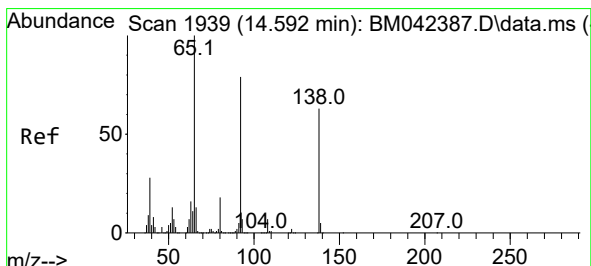
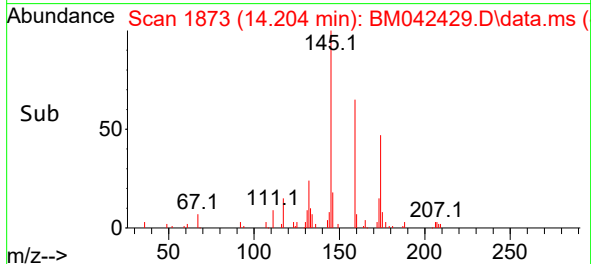
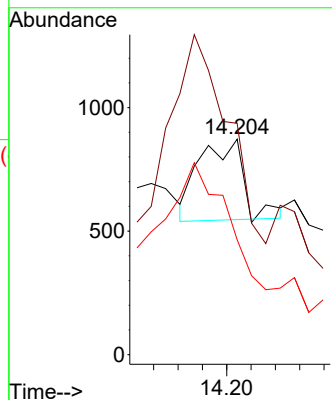
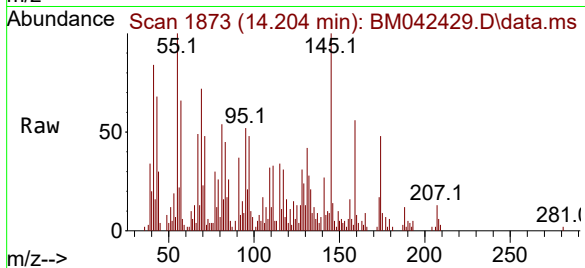
Tgt Ion:165 Resp: 419

Ion Ratio Lower Upper

165 100

63 107.3 65.3 97.9#

89 53.3 60.6 91.0#



#53

3-Nitroaniline

Concen: 3.315 ng

RT: 14.569 min Scan# 1935

Delta R.T. -0.023 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

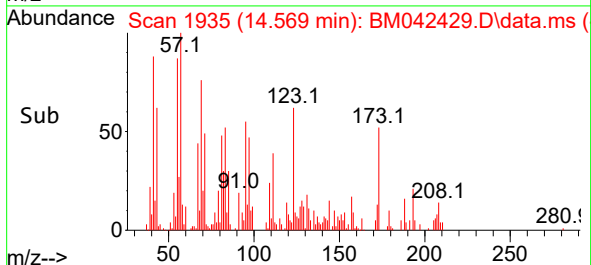
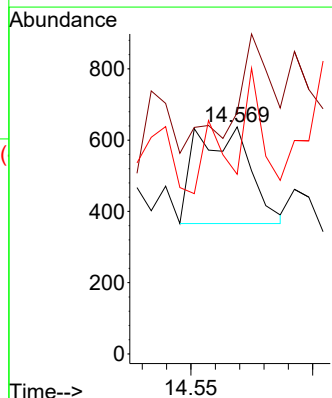
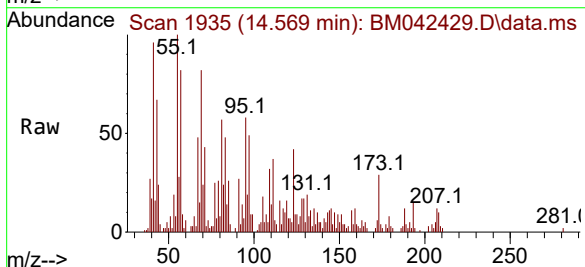
Tgt Ion:138 Resp: 412

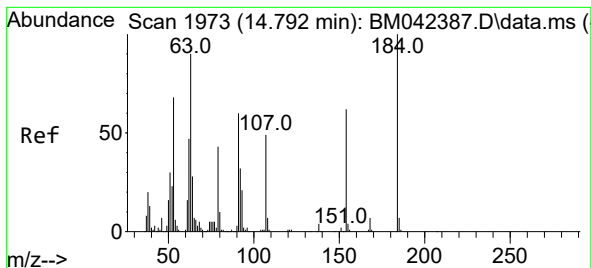
Ion Ratio Lower Upper

138 100

108 106.3 8.3 12.5#

92 79.1 100.6 151.0#

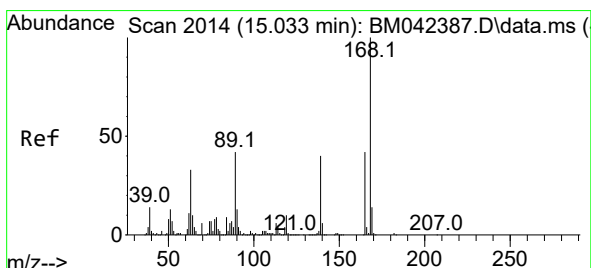
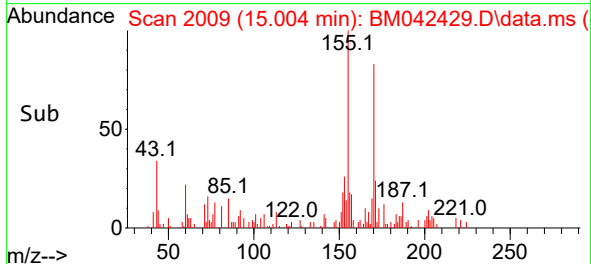
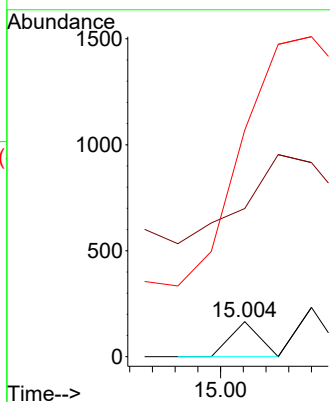
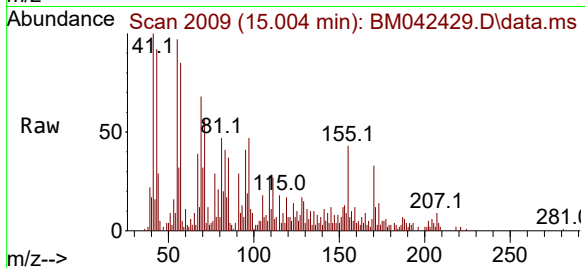




#54
2,4-Dinitrophenol
Concen: 8.181 ng
RT: 15.004 min Scan# 2015
Delta R.T. 0.212 min
Lab File: BM042429.D
Acq: 24 Oct 2023 20:56

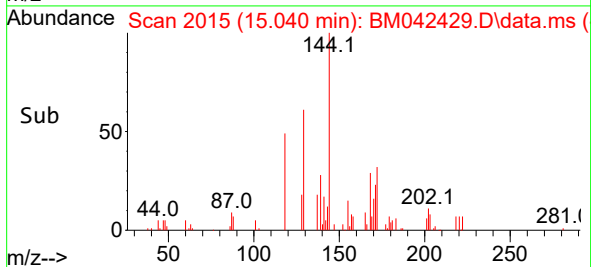
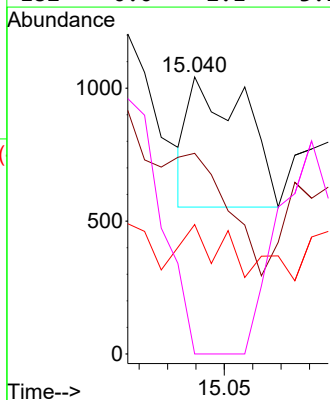
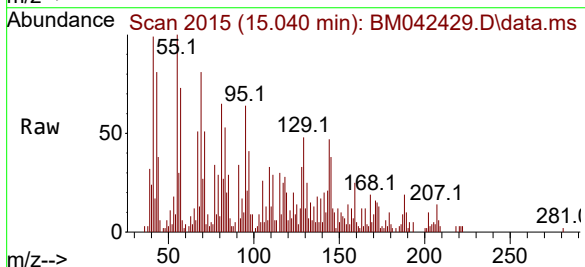
Instrument :
BNA_M
ClientSampleId :

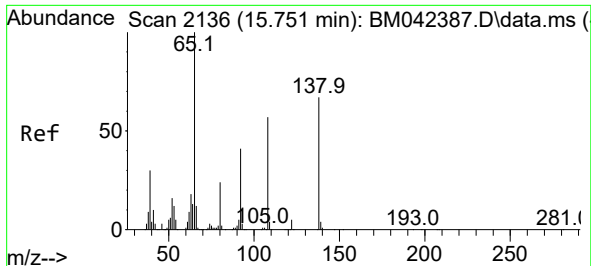
Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 421.1 72.2 108.2#
154 644.0 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 4.132 ng
RT: 15.040 min Scan# 2015
Delta R.T. 0.007 min
Lab File: BM042429.D
Acq: 24 Oct 2023 20:56

Tgt Ion:165 Resp: 662
Ion Ratio Lower Upper
165 100
63 72.5 62.9 94.3
89 46.7 80.2 120.2#
182 0.0 2.1 3.1#

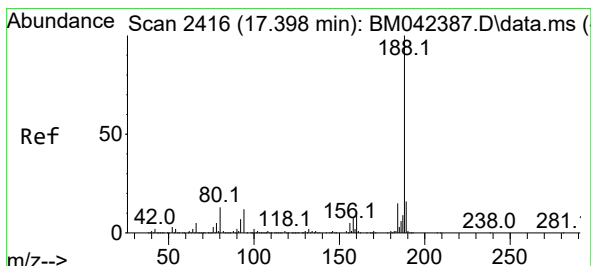
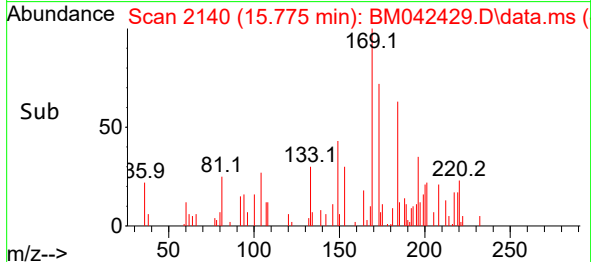
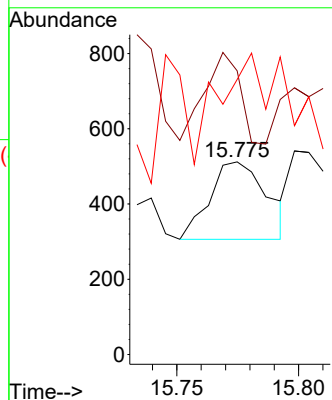
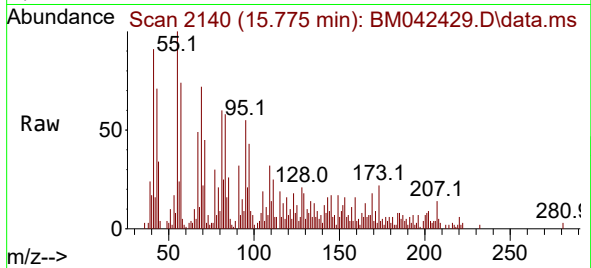




#62
4-Nitroaniline
Concen: 3.842 ng
RT: 15.775 min Scan# 2136
Delta R.T. 0.024 min
Lab File: BM042429.D
Acq: 24 Oct 2023 20:56

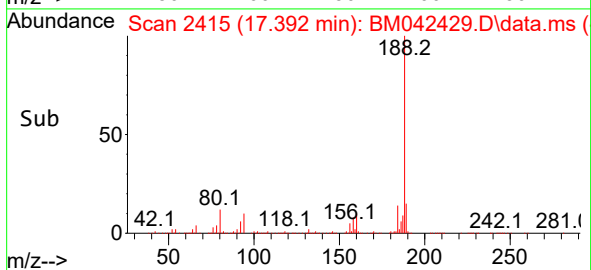
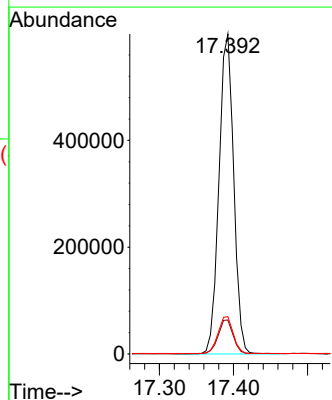
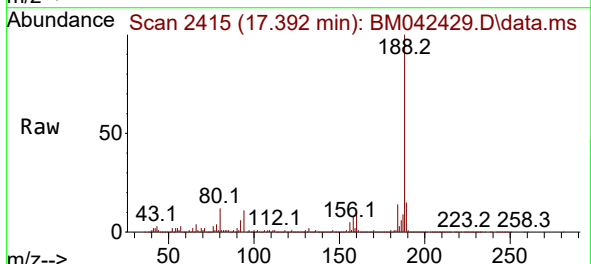
Instrument :
BNA_M
ClientSampleId :

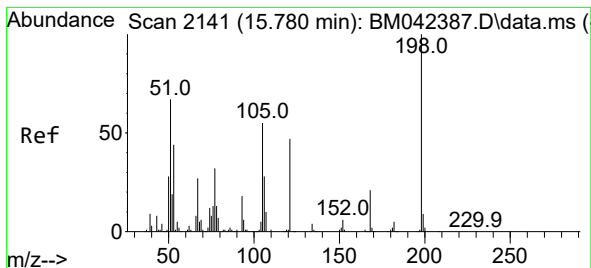
Tgt Ion:138 Resp: 334
Ion Ratio Lower Upper
138 100
92 147.3 40.4 80.4#
108 142.8 65.3 105.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 2415
Delta R.T. -0.005 min
Lab File: BM042429.D
Acq: 24 Oct 2023 20:56

Tgt Ion:188 Resp: 826850
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.0
80 11.7 10.7 16.1

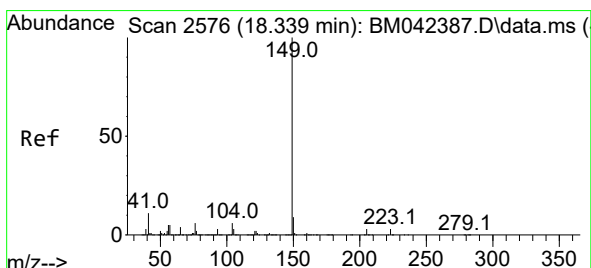
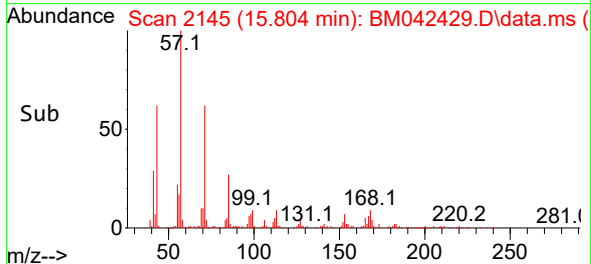
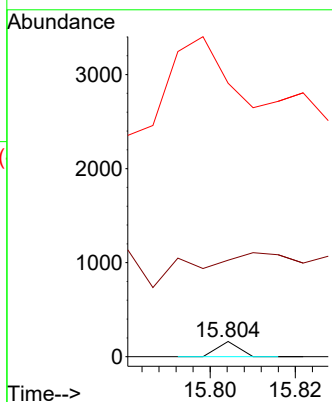
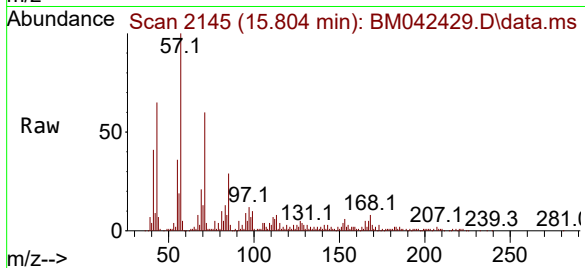




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.095 ng
 RT: 15.804 min Scan# 2145
 Delta R.T. 0.024 min
 Lab File: BM042429.D
 Acq: 24 Oct 2023 20:56

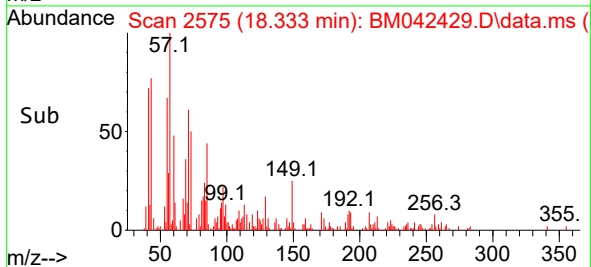
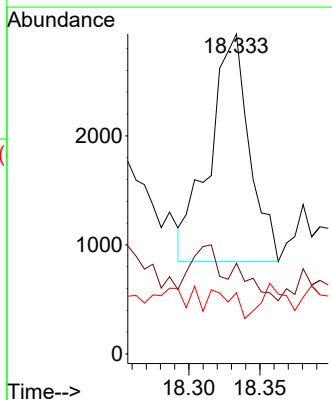
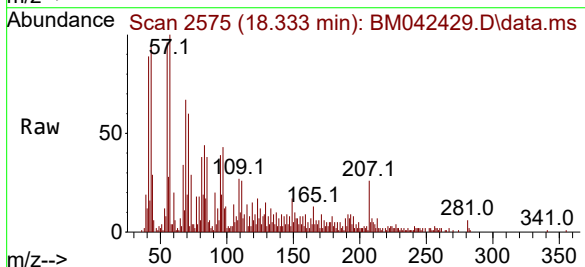
Instrument :
 BNA_M
 ClientSampleId :

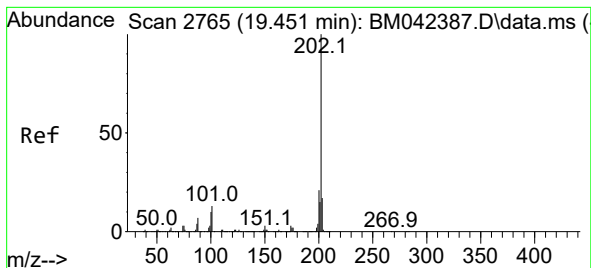
Tgt Ion:198 Resp: 57
 Ion Ratio Lower Upper
 198 100
 51 637.3 54.1 94.1#
 105 1806.2 35.9 75.9#



#74
 Di-n-butylphthalate
 Concen: 2.889 ng
 RT: 18.333 min Scan# 2575
 Delta R.T. -0.006 min
 Lab File: BM042429.D
 Acq: 24 Oct 2023 20:56

Tgt Ion:149 Resp: 4047
 Ion Ratio Lower Upper
 149 100
 150 28.4 7.4 11.0#
 104 19.2 4.6 7.0#





#75

Fluoranthene

Concen: 2.788 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

Instrument :

BNA_M

ClientSampleId :

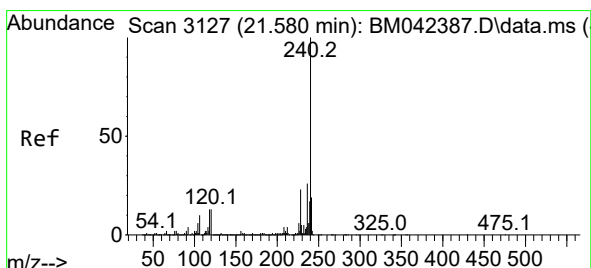
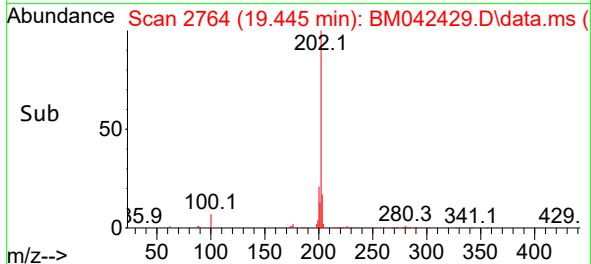
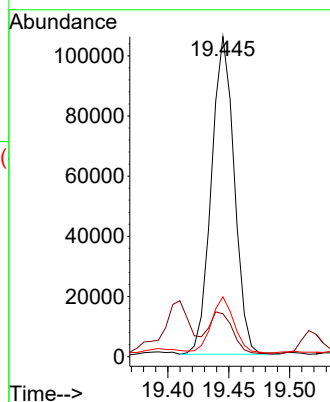
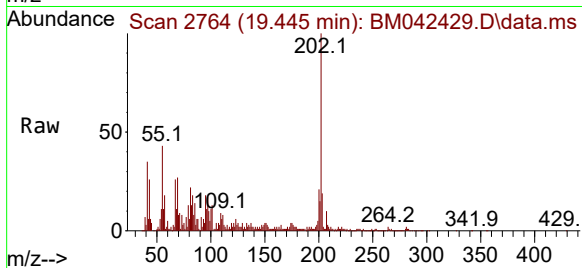
Tgt Ion:202 Resp: 138098

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.3

203 18.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

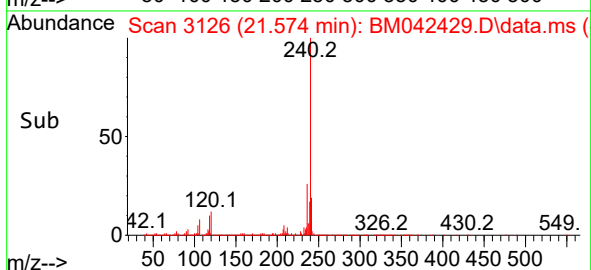
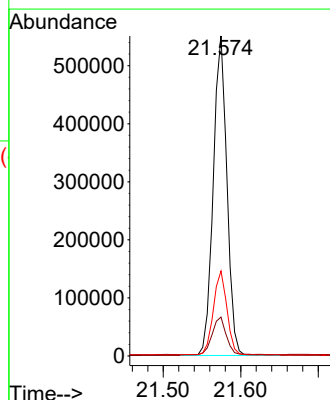
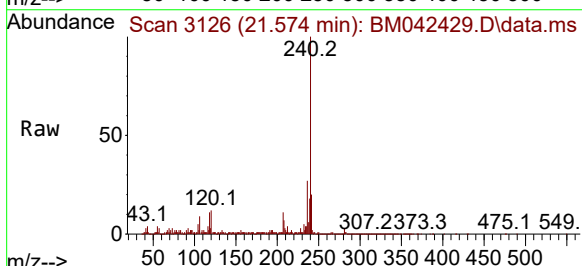
Tgt Ion:240 Resp: 675151

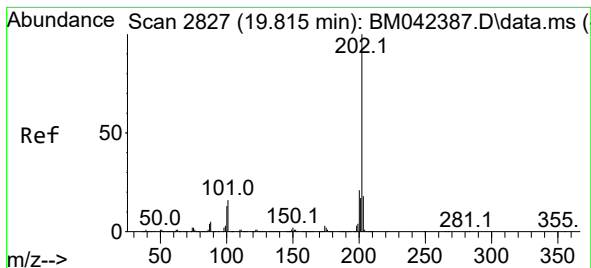
Ion Ratio Lower Upper

240 100

120 12.2 10.7 16.1

236 26.6 20.7 31.1





#78

Pyrene

Concen: 4.001 ng

RT: 19.810 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

Instrument :

BNA_M

ClientSampleId :

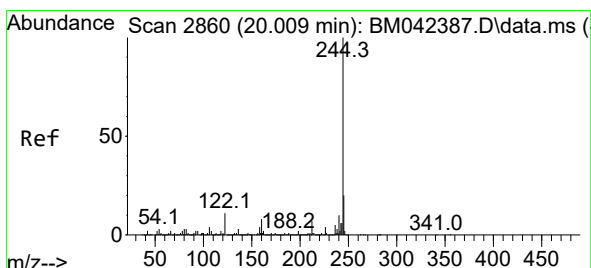
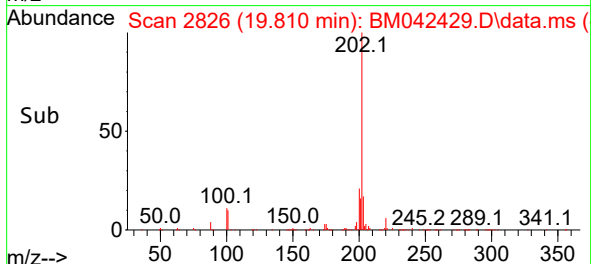
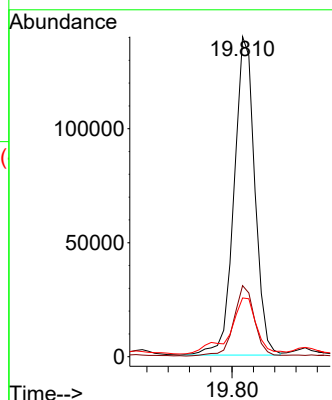
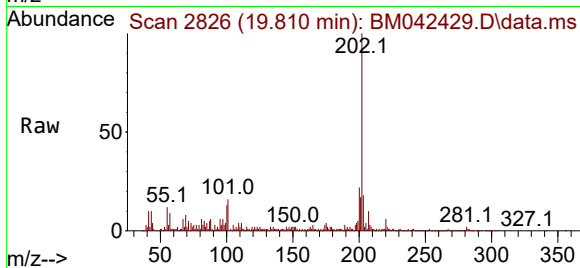
Tgt Ion:202 Resp: 188780

Ion Ratio Lower Upper

202 100

200 22.2 17.1 25.7

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 25.679 ng

RT: 20.004 min Scan# 2859

Delta R.T. -0.005 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

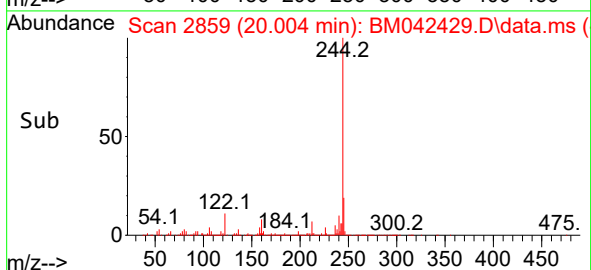
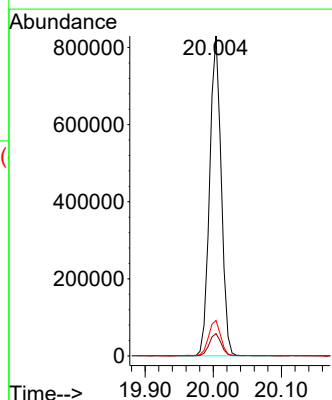
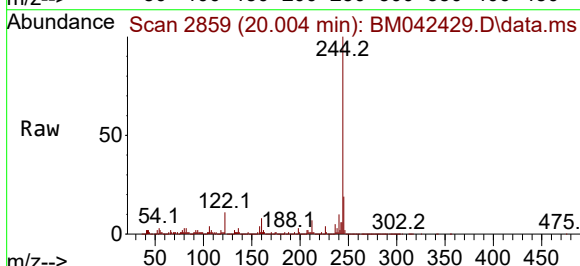
Tgt Ion:244 Resp: 977556

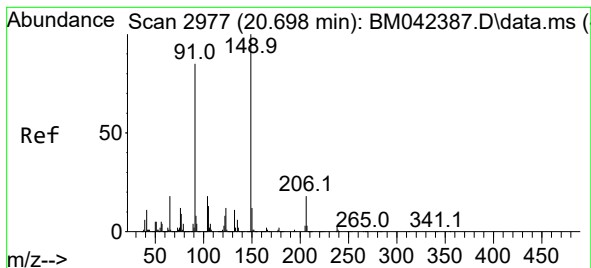
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.1 8.8 13.2





#80

Butylbenzylphthalate

Concen: 3.279 ng

RT: 20.698 min Scan# 2977

Delta R.T. 0.000 min

Lab File: BM042429.D

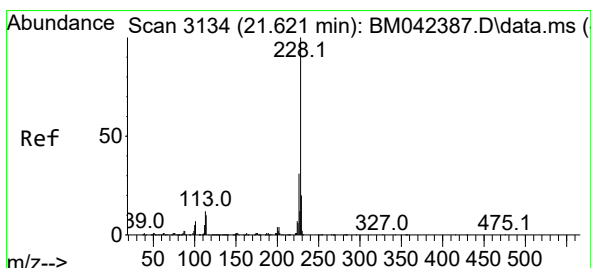
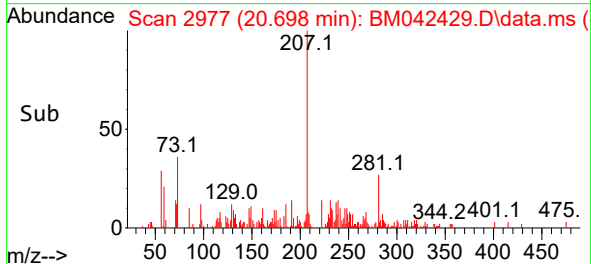
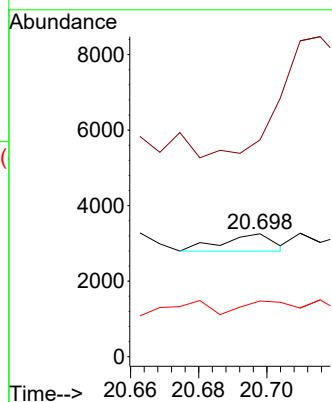
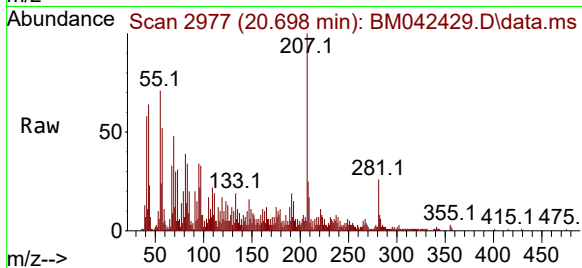
Acq: 24 Oct 2023 20:56

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	149	Resp:	474
Ion Ratio	Lower	Upper	
149	100		
91	176.5	68.3	102.5#
206	45.3	14.6	22.0#



#83

Chrysene

Concen: 2.104 ng

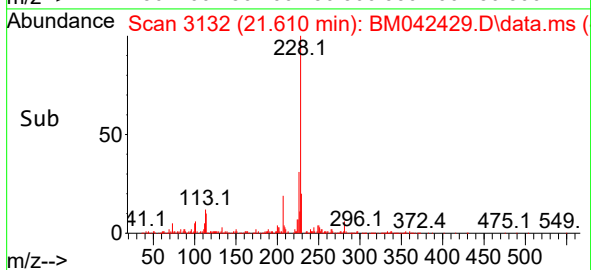
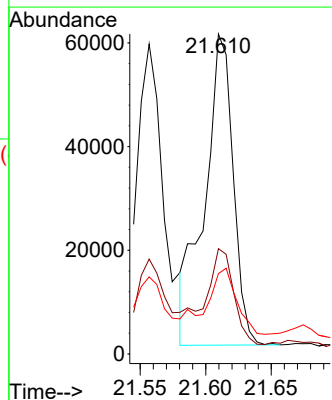
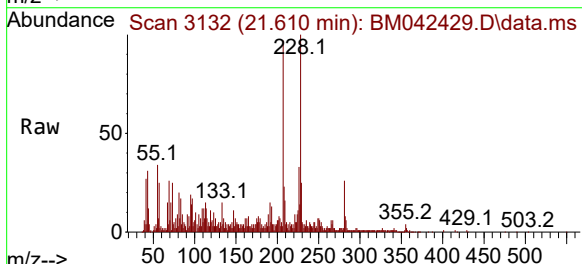
RT: 21.610 min Scan# 3132

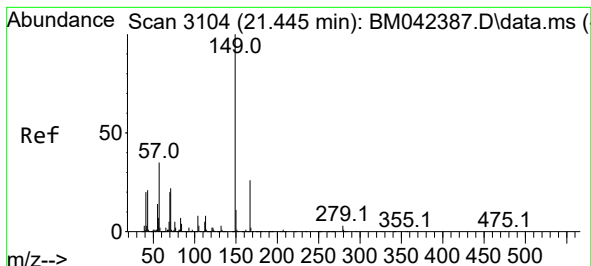
Delta R.T. -0.011 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

Tgt Ion:	228	Resp:	91456
Ion Ratio	Lower	Upper	
228	100		
226	32.9	24.6	36.8
229	25.1	15.7	23.5#

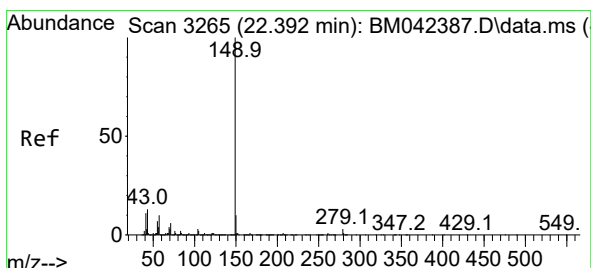
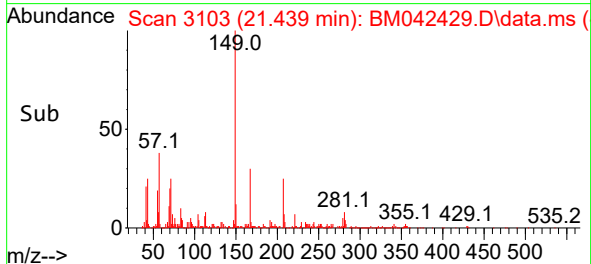
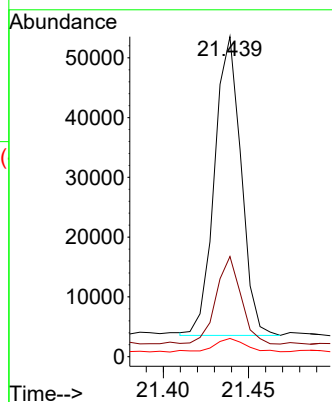
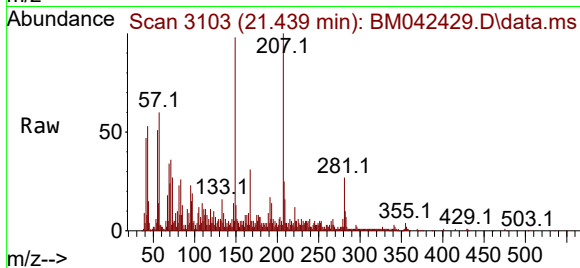




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.023 ng
 RT: 21.439 min Scan# 3103
 Delta R.T. -0.006 min
 Lab File: BM042429.D
 Acq: 24 Oct 2023 20:56

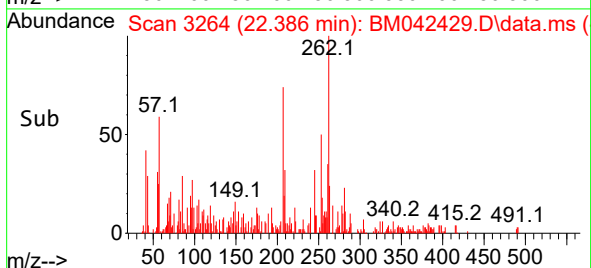
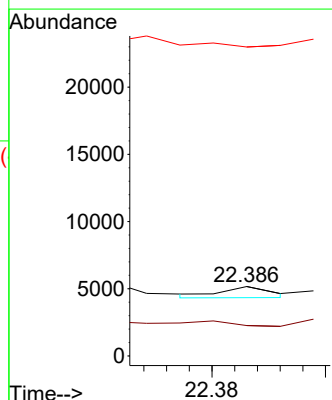
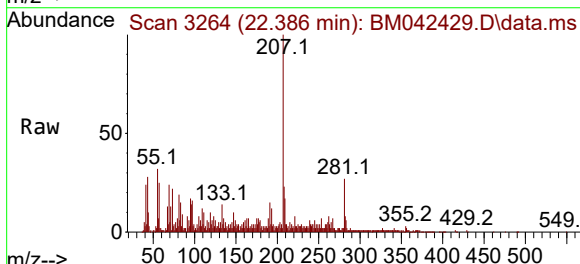
Instrument :
 BNA_M
 ClientSampleId :

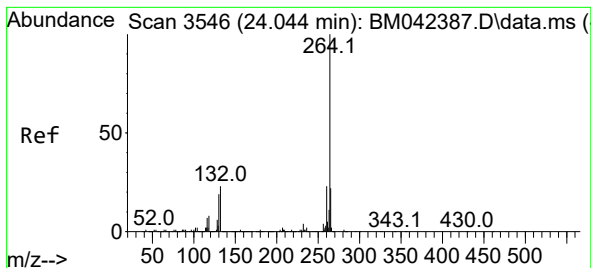
Tgt Ion:149 Resp: 54106
 Ion Ratio Lower Upper
 149 100
 167 31.3 20.9 31.3
 279 5.7 2.7 4.1#



#85
 Di-n-octyl phthalate
 Concen: 4.227 ng
 RT: 22.386 min Scan# 3264
 Delta R.T. -0.006 min
 Lab File: BM042429.D
 Acq: 24 Oct 2023 20:56

Tgt Ion:149 Resp: 505
 Ion Ratio Lower Upper
 149 100
 167 90.7 1.2 1.8#
 43 0.0 11.0 16.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.039 min Scan# 3

Delta R.T. -0.005 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

Instrument :

BNA_M

ClientSampleId :

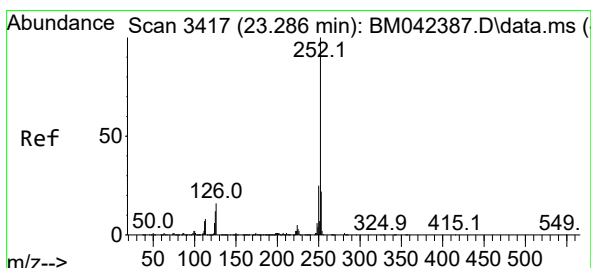
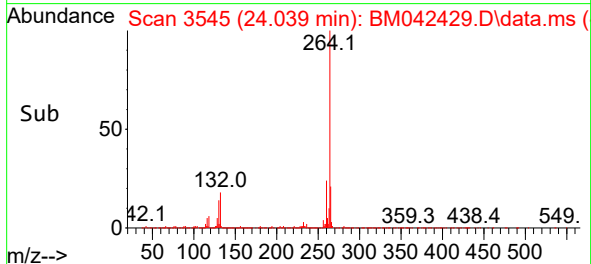
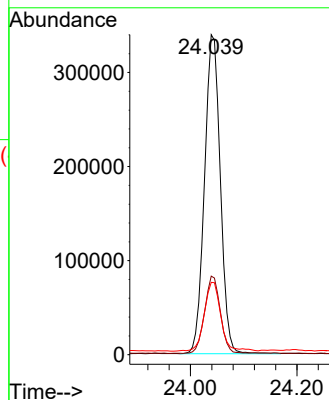
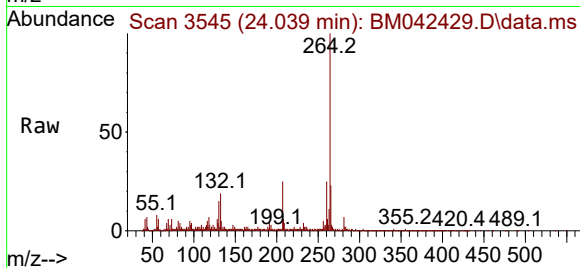
Tgt Ion:264 Resp: 698437

Ion Ratio Lower Upper

264 100

260 24.6 18.6 27.8

265 22.6 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 2.404 ng

RT: 23.280 min Scan# 3416

Delta R.T. -0.005 min

Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

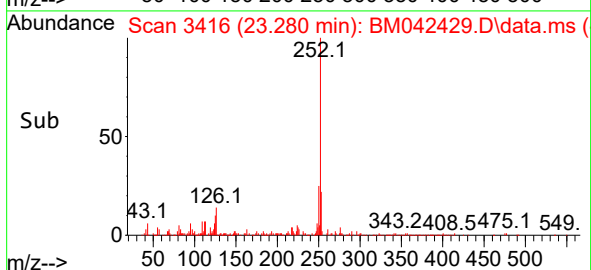
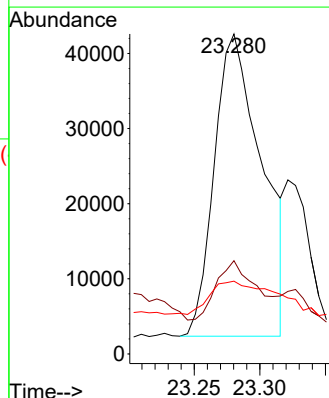
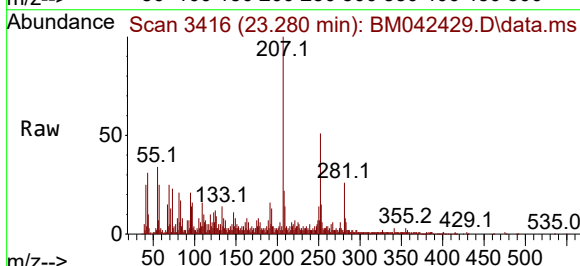
Tgt Ion:252 Resp: 101060

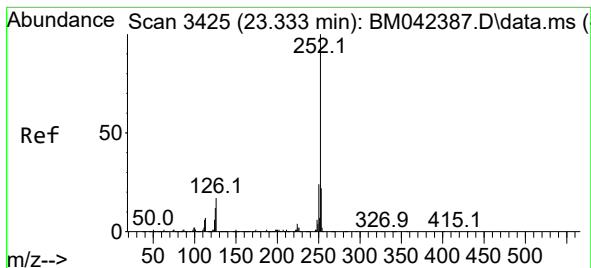
Ion Ratio Lower Upper

252 100

253 29.1 18.0 27.0#

125 22.7 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 2.315 ng

RT: 23.280 min Scan# 34

Delta R.T. -0.052 min

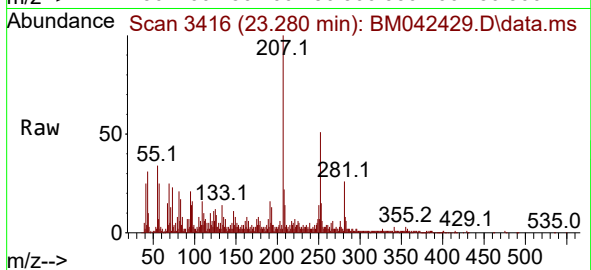
Lab File: BM042429.D

Acq: 24 Oct 2023 20:56

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:252 Resp: 101060

Ion Ratio Lower Upper

252 100

253 29.1 17.9 26.9#

125 22.7 10.2 15.2#

