

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081523\
 Data File : BM041408.D
 Acq On : 15 Aug 2023 16:27
 Operator : MA/JU
 Sample : 03985-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PNNL-APM2-0811-2

Quant Time: Aug 16 01:11:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 17:51:06 2023
 Response via : Initial Calibration

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

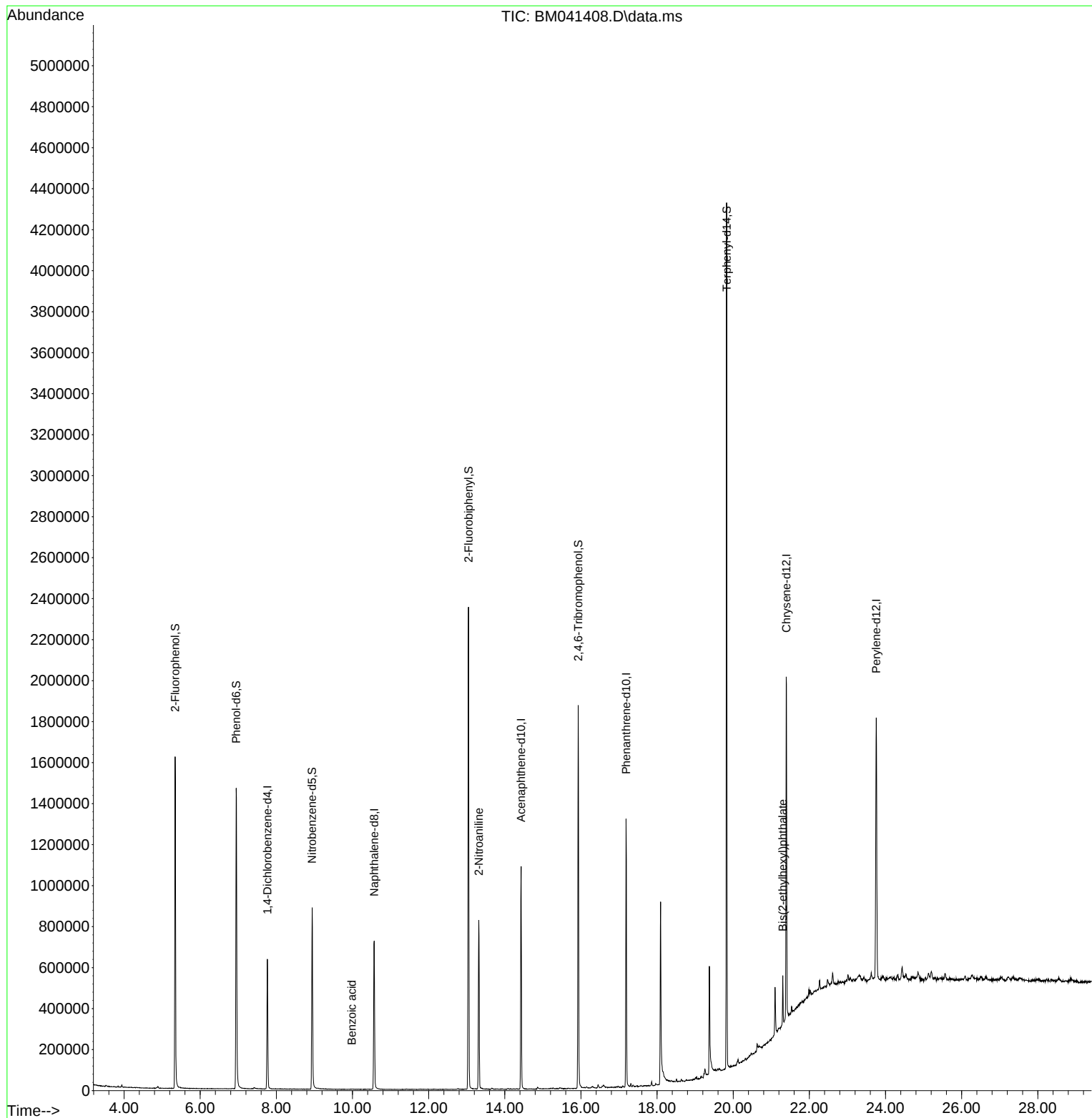
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	159373	20.000	ng	-0.01
21) Naphthalene-d8	10.569	136	594717	20.000	ng	-0.01
39) Acenaphthene-d10	14.427	164	349516	20.000	ng	-0.01
64) Phenanthrene-d10	17.186	188	756428	20.000	ng	#-0.02
76) Chrysene-d12	21.392	240	806092	20.000	ng	-0.02
86) Perylene-d12	23.756	264	975542	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	660984	61.986	ng	0.00
7) Phenol-d6	6.945	99	824867	59.677	ng	-0.01
23) Nitrobenzene-d5	8.939	82	524244	40.994	ng	-0.01
42) 2,4,6-Tribromophenol	15.927	330	332166	67.189	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	1140713	41.229	ng	-0.01
79) Terphenyl-d14	19.827	244	1831174	41.073	ng	-0.02
Target Compounds						
32) Benzoic acid	9.981	122	132	7.172	ng	# 1
48) 2-Nitroaniline	13.316	65	16219	2.402	ng	# 16
84) Bis(2-ethylhexyl)phtha...	21.303	149	86451	5.044	ng	# 98

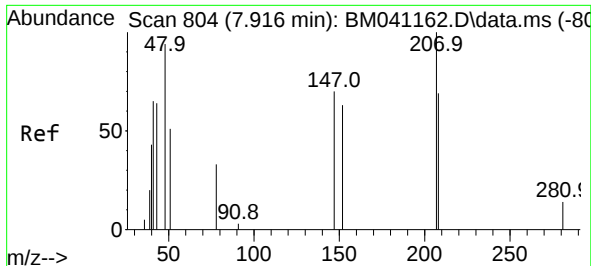
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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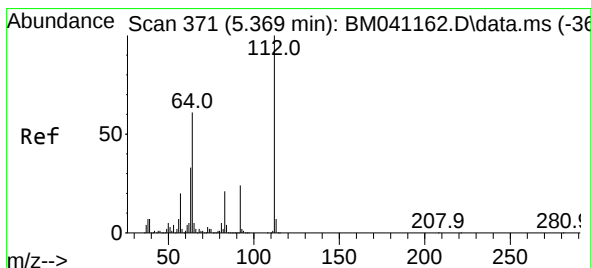
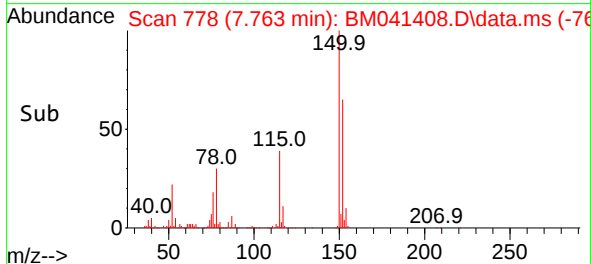
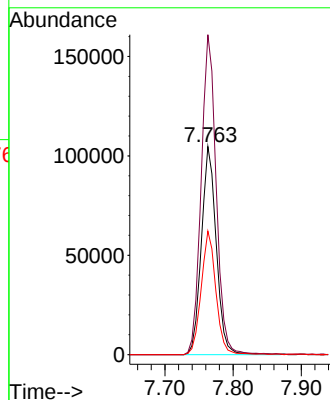
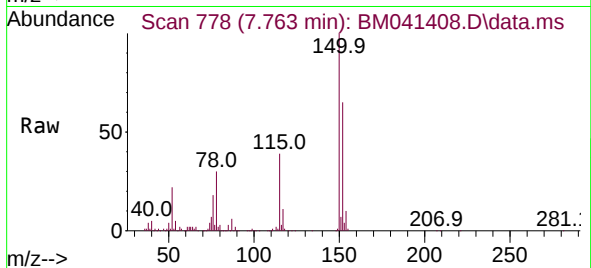




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM041408.D
Acq: 15 Aug 2023 16:27

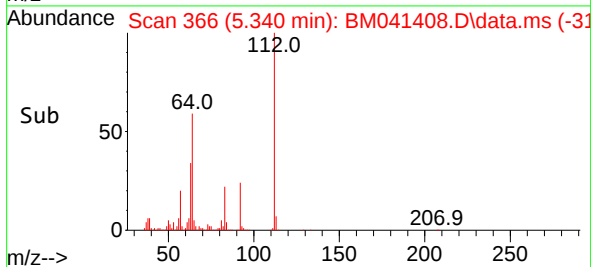
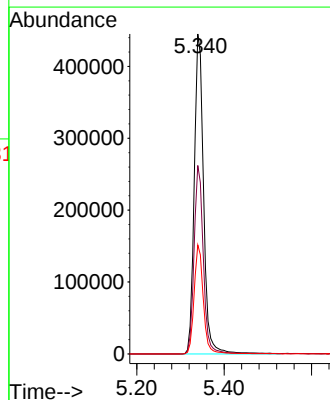
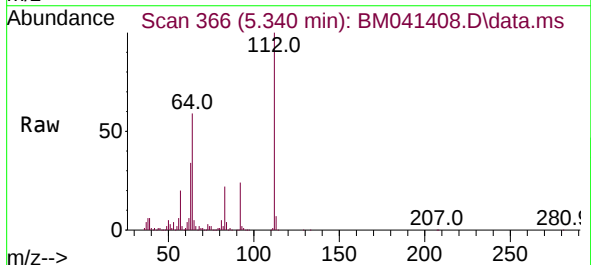
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-2

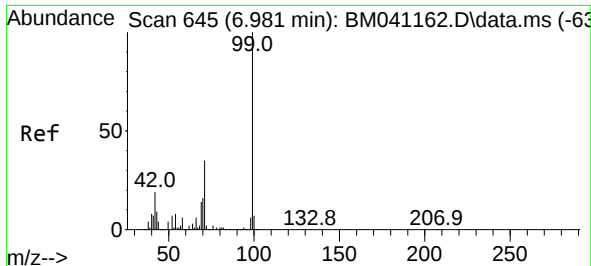
Tgt Ion:152 Resp: 159373
Ion Ratio Lower Upper
152 100
150 153.7 125.5 188.3
115 59.3 48.0 72.0



#5
2-Fluorophenol
Concen: 61.986 ng
RT: 5.340 min Scan# 366
Delta R.T. -0.006 min
Lab File: BM041408.D
Acq: 15 Aug 2023 16:27

Tgt Ion:112 Resp: 660984
Ion Ratio Lower Upper
112 100
64 58.9 48.5 72.7
63 34.0 26.5 39.7

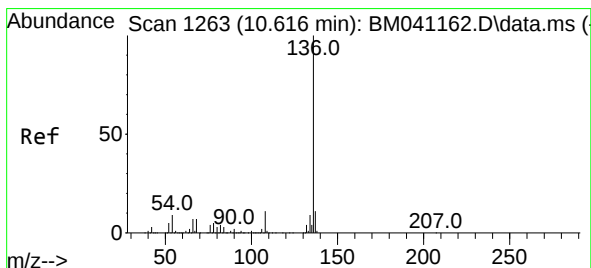
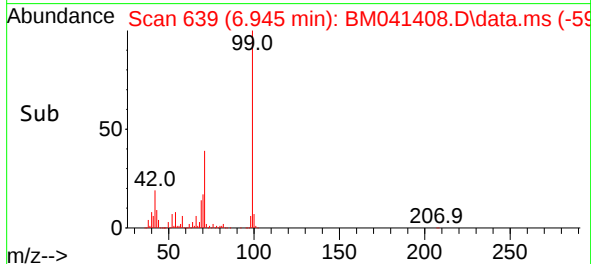
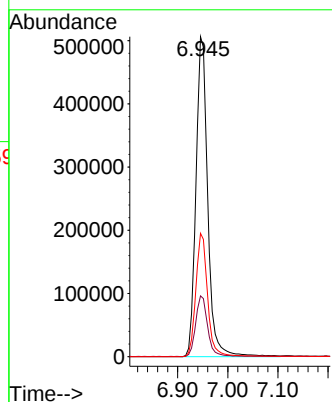
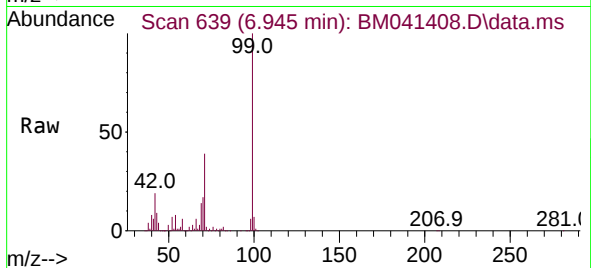




#7
Phenol-d6
Concen: 59.677 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM041408.D
Acq: 15 Aug 2023 16:27

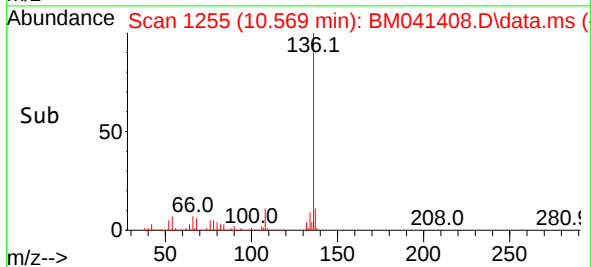
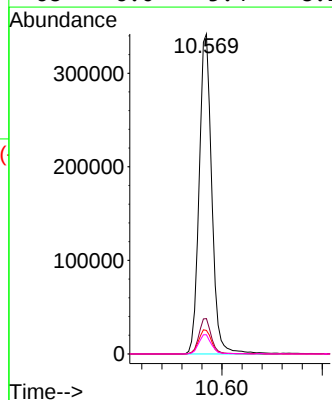
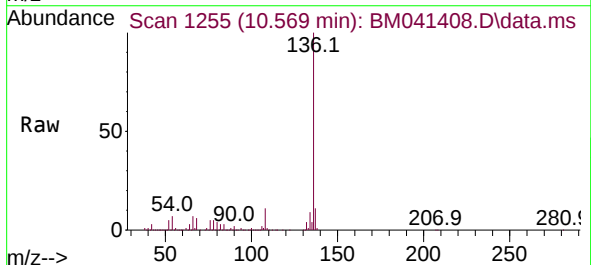
Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-2

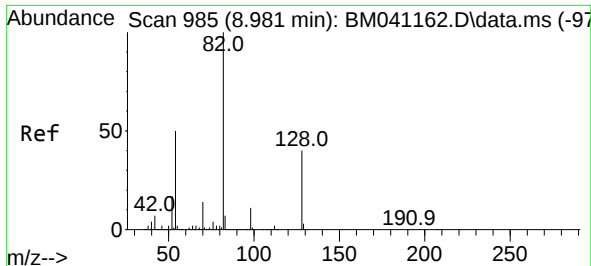
Tgt Ion: 99 Resp: 824867
Ion Ratio Lower Upper
99 100
42 19.0 15.4 23.0
71 38.5 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BM041408.D
Acq: 15 Aug 2023 16:27

Tgt Ion: 136 Resp: 594717
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.4 6.9 10.3
68 6.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 40.994 ng

RT: 8.939 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM041408.D

Acq: 15 Aug 2023 16:27

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-2

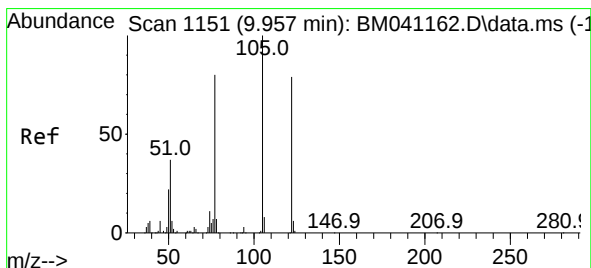
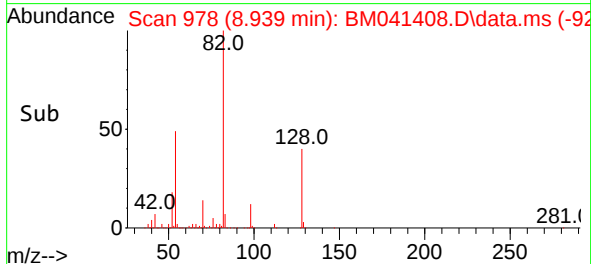
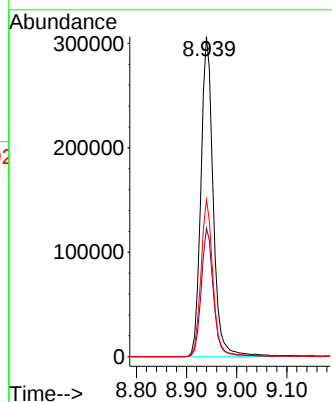
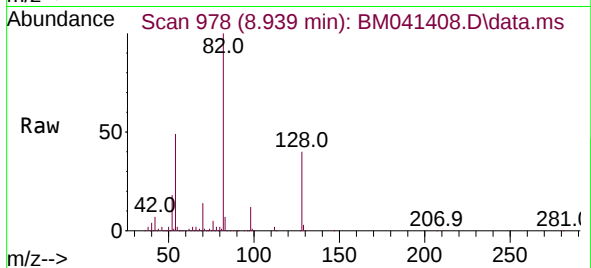
Tgt Ion: 82 Resp: 524244

Ion Ratio Lower Upper

82 100

128 40.1 31.8 47.6

54 49.0 40.1 60.1



#32

Benzoic acid

Concen: 7.172 ng

RT: 9.981 min Scan# 1155

Delta R.T. 0.029 min

Lab File: BM041408.D

Acq: 15 Aug 2023 16:27

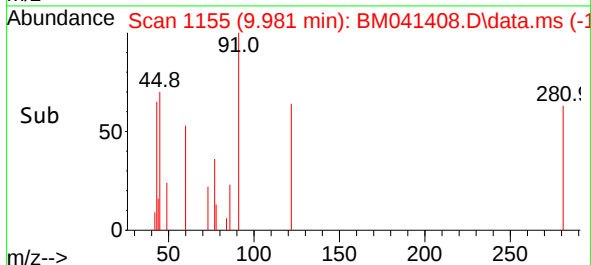
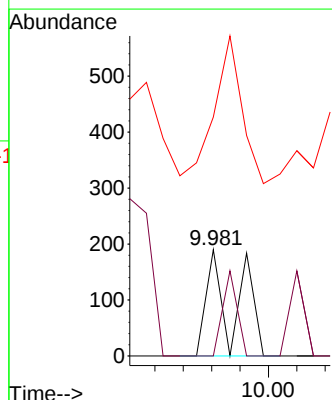
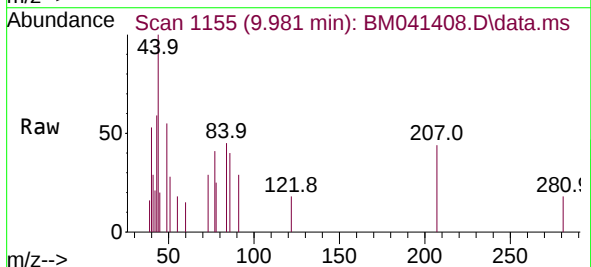
Tgt Ion: 122 Resp: 132

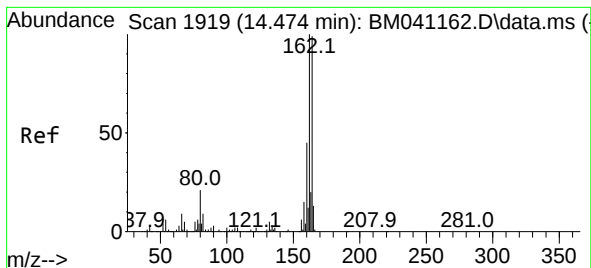
Ion Ratio Lower Upper

122 100

105 0.0 104.0 144.0#

77 224.7 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.427 min Scan# 1911

Delta R.T. -0.012 min

Lab File: BM041408.D

Acq: 15 Aug 2023 16:27

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-2

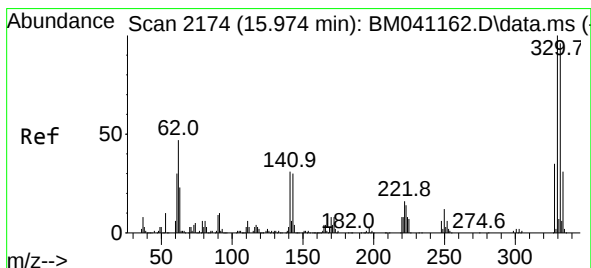
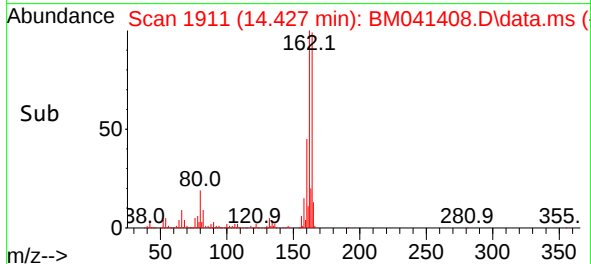
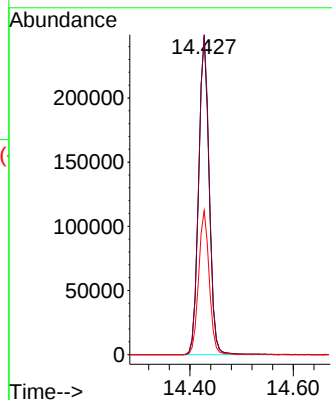
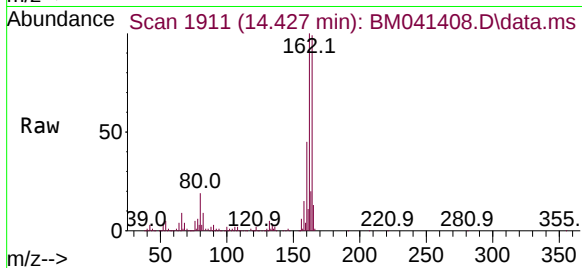
Tgt Ion:164 Resp: 349516

Ion Ratio Lower Upper

164 100

162 100.8 80.4 120.6

160 45.4 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 67.189 ng

RT: 15.927 min Scan# 2166

Delta R.T. -0.018 min

Lab File: BM041408.D

Acq: 15 Aug 2023 16:27

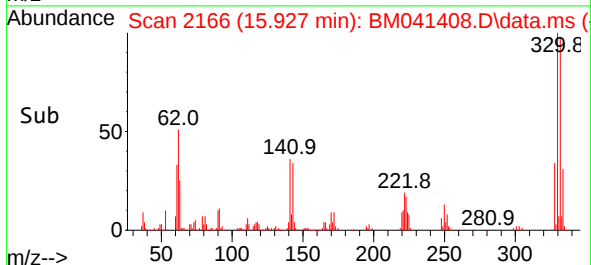
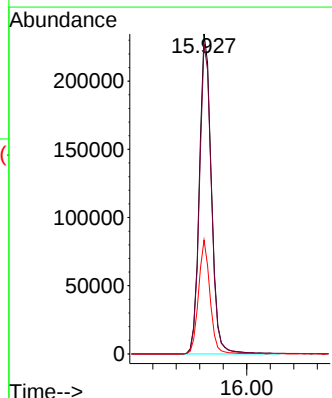
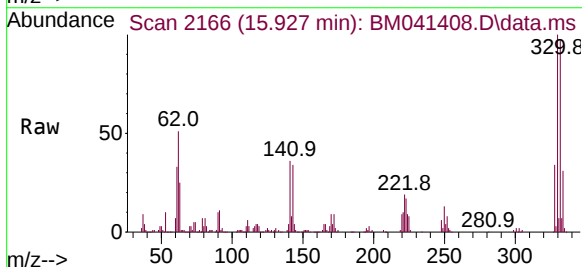
Tgt Ion:330 Resp: 332166

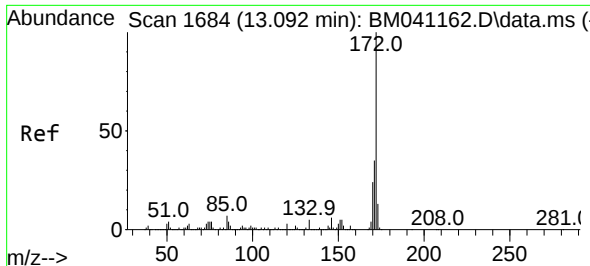
Ion Ratio Lower Upper

330 100

332 96.2 77.7 116.5

141 34.0 28.3 42.5

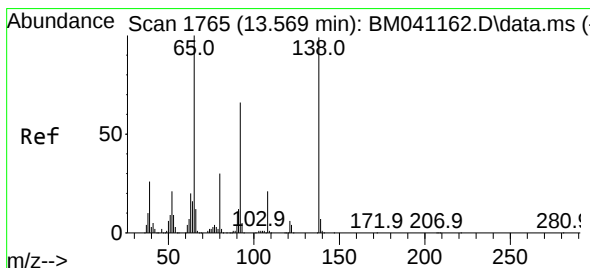
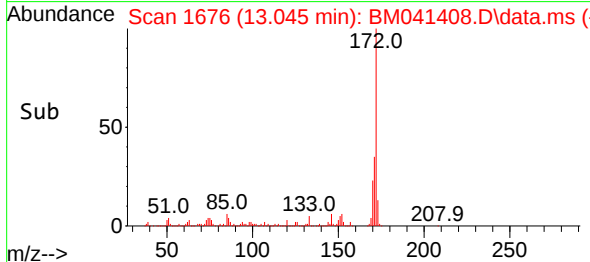
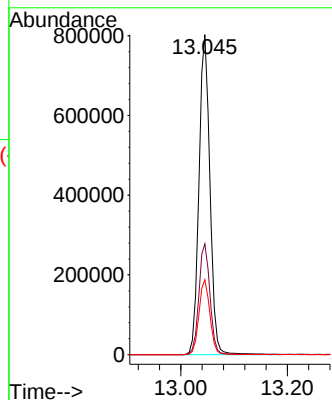
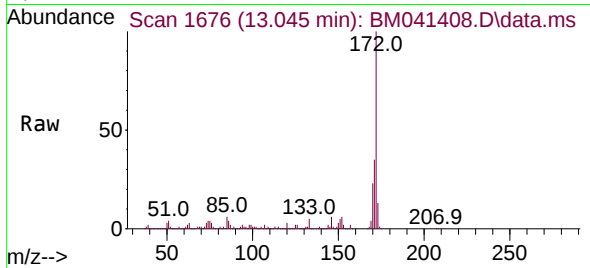




#45
2-Fluorobiphenyl
Concen: 41.229 ng
RT: 13.045 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM041408.D
Acq: 15 Aug 2023 16:27

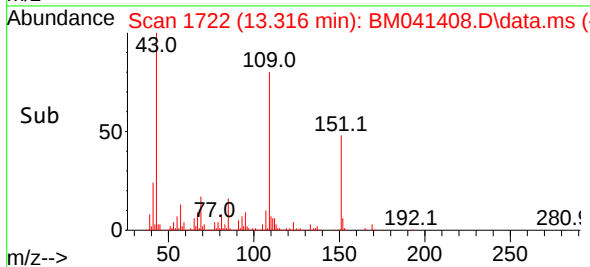
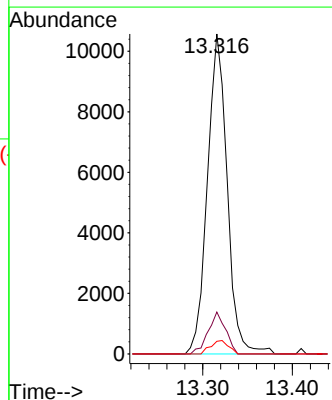
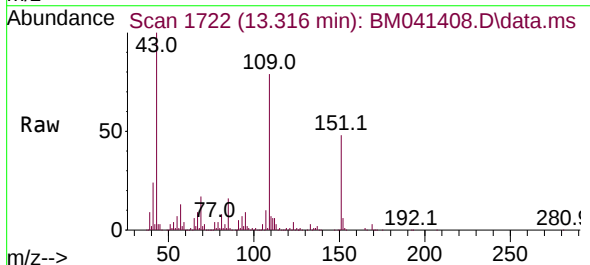
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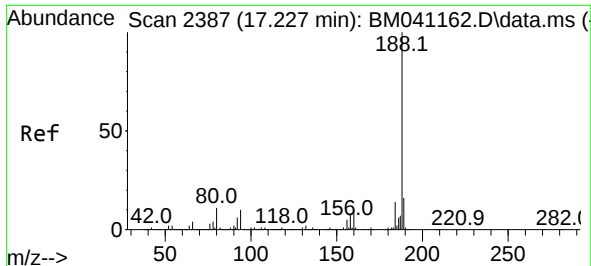
Tgt Ion:172 Resp: 1140713
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.4 18.9 28.3



#48
2-Nitroaniline
Concen: 2.402 ng
RT: 13.316 min Scan# 1722
Delta R.T. -0.224 min
Lab File: BM041408.D
Acq: 15 Aug 2023 16:27

Tgt Ion: 65 Resp: 16219
Ion Ratio Lower Upper
65 100
92 13.1 53.0 79.4#
138 3.9 79.1 118.7#

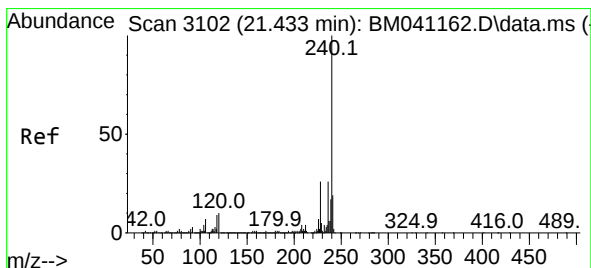
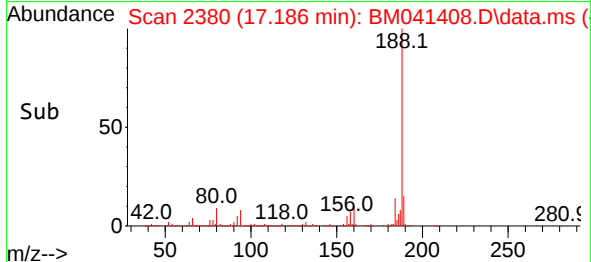
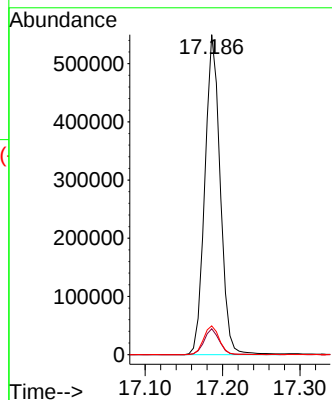
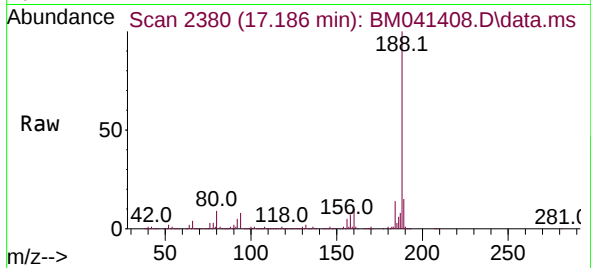




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2387
Delta R.T. -0.018 min
Lab File: BM041408.D
Acq: 15 Aug 2023 16:27

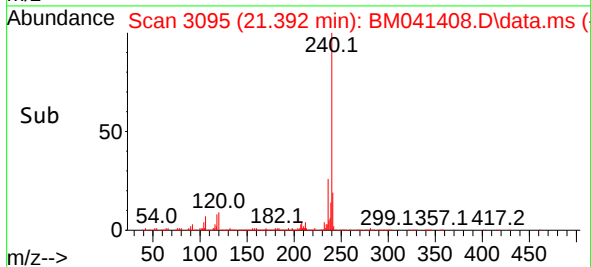
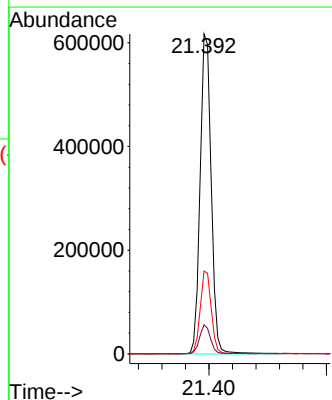
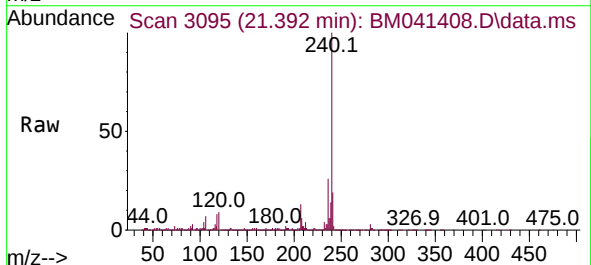
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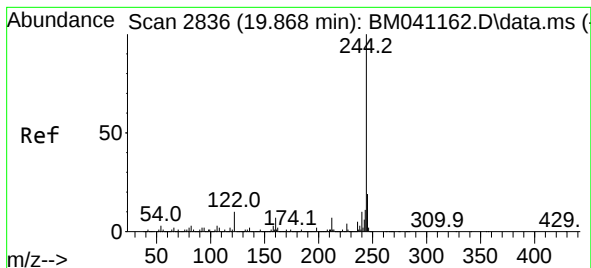
Tgt Ion:188 Resp: 756428
Ion Ratio Lower Upper
188 100
94 8.1 8.2 12.2#
80 9.0 8.6 13.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3095
Delta R.T. -0.024 min
Lab File: BM041408.D
Acq: 15 Aug 2023 16:27

Tgt Ion:240 Resp: 806092
Ion Ratio Lower Upper
240 100
120 9.1 8.3 12.5
236 25.9 20.6 30.8





#79

Terphenyl-d14

Concen: 41.073 ng

RT: 19.827 min Scan# 2836

Delta R.T. -0.018 min

Lab File: BM041408.D

Acq: 15 Aug 2023 16:27

Instrument :

BNA_M

ClientSampleId :

PNNL-APM2-0811-2

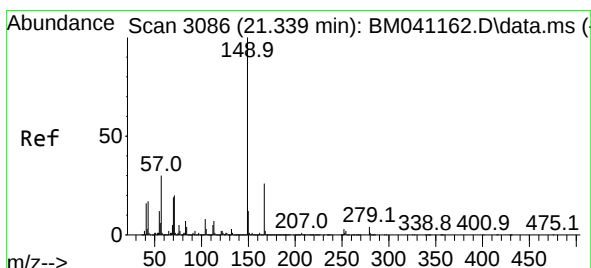
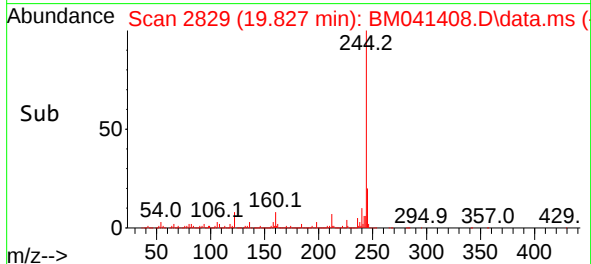
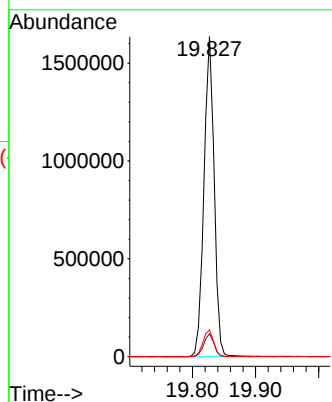
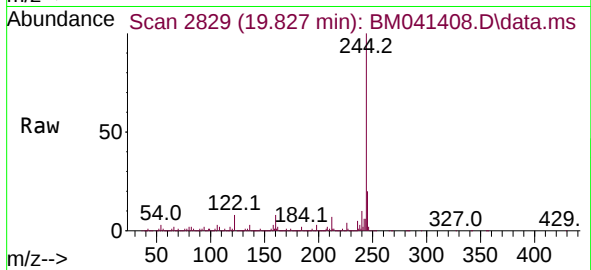
Tgt Ion:244 Resp: 1831174

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 8.3 7.8 11.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.044 ng

RT: 21.303 min Scan# 3080

Delta R.T. -0.018 min

Lab File: BM041408.D

Acq: 15 Aug 2023 16:27

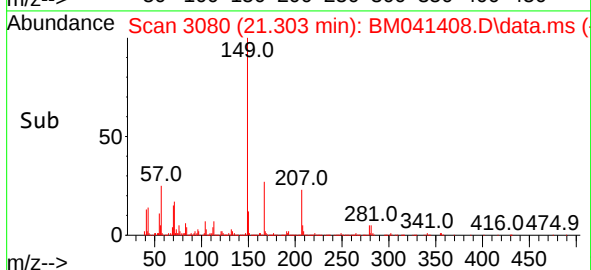
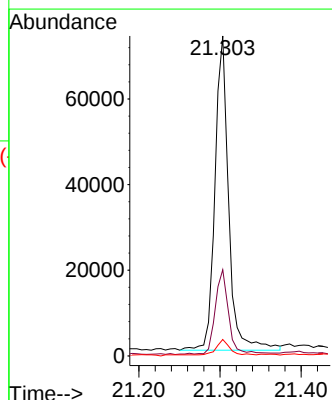
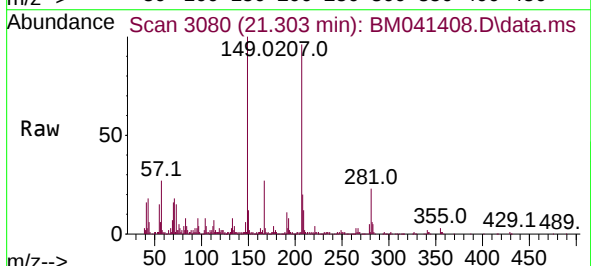
Tgt Ion:149 Resp: 86451

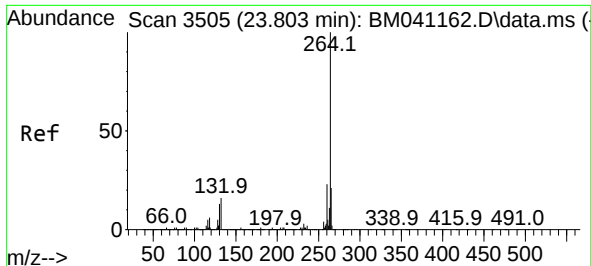
Ion Ratio Lower Upper

149 100

167 26.9 21.0 31.6

279 5.1 3.1 4.7#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.756 min Scan# 34
 Delta R.T. -0.024 min
 Lab File: BM041408.D
 Acq: 15 Aug 2023 16:27

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Tgt Ion:264 Resp: 975542
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.5 27.7
 265 21.9 17.4 26.0

