

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110421\
 Data File : BM032874.D
 Acq On : 04 Nov 2021 14:36
 Operator : CG/JU
 Sample : M4438-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 08:46:53 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 02 16:07:18 2021
 Response via : Initial Calibration

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

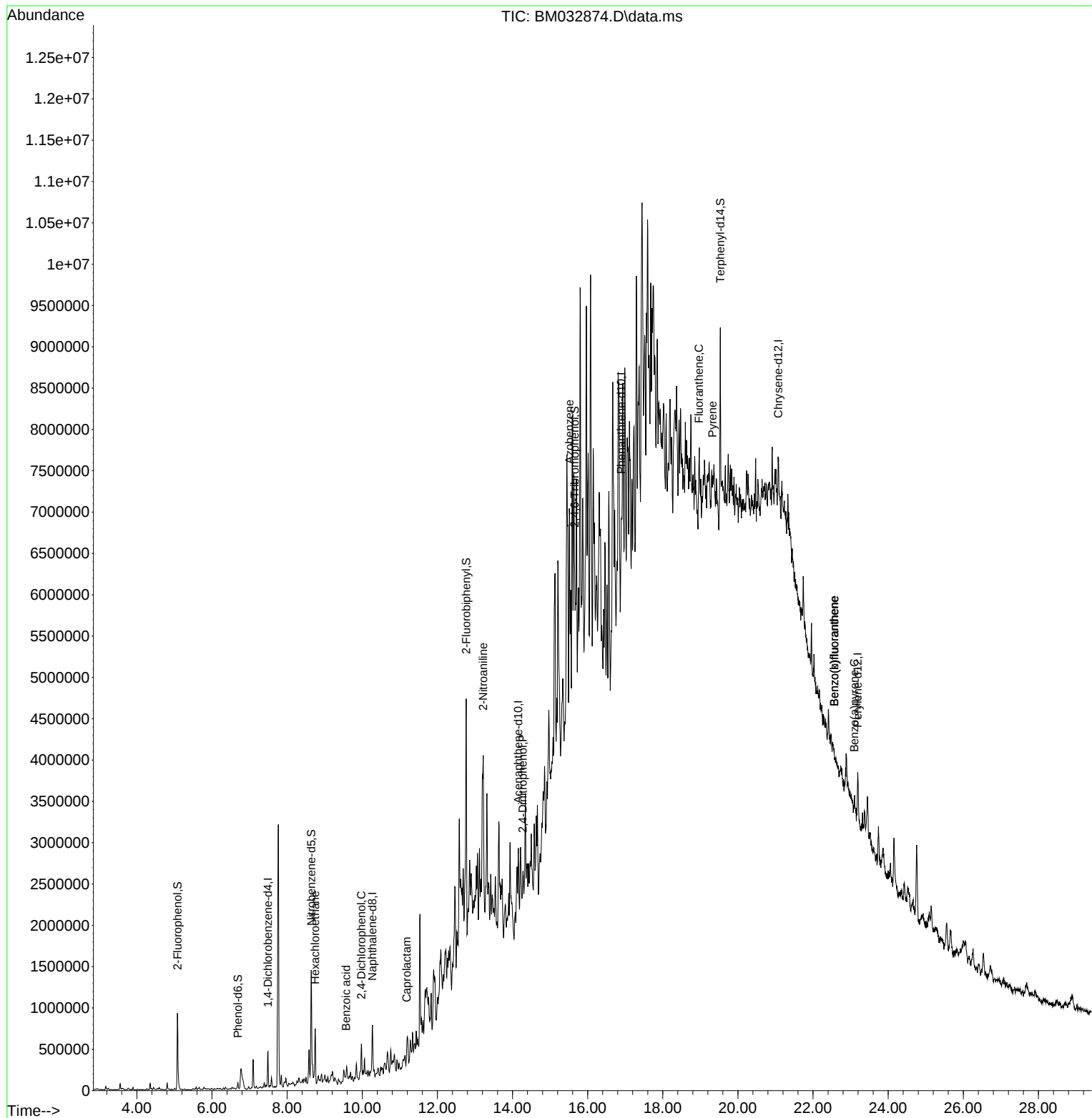
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.490	152	112517	20.000	ng	0.00
21) Naphthalene-d8	10.272	136	432482	20.000	ng	# 0.00
39) Acenaphthene-d10	14.154	164	234652	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	376377	20.000	ng	# 0.00
76) Chrysene-d12	21.077	240	322156	20.000	ng	# 0.00
86) Perylene-d12	23.189	264	411007	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.084	112	452016	70.037	ng	0.00
7) Phenol-d6	6.690	99	38632	4.020	ng	0.00
23) Nitrobenzene-d5	8.642	82	741395	93.827	ng	0.00
42) 2,4,6-Tribromophenol	15.654	330	316302	120.361	ng	0.00
45) 2-Fluorobiphenyl	12.766	172	1454771	96.156	ng	0.00
79) Terphenyl-d14	19.530	244	1385499	93.896	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.919	88	560	Below Cal	#	1
18) Hexachloroethane	8.748	117	13405	4.454	ng	# 1
29) 2,4-Dichlorophenol	9.978	162	14329	2.148	ng	# 39
32) Benzoic acid	9.566	122	11232	2.388	ng	92
35) Caprolactam	11.183	113	8793	3.932	ng	# 1
48) 2-Nitroaniline	13.219	65	14666	3.834	ng	# 45
54) 2,4-Dinitrophenol	14.271	184	113	4.679	ng	# 1
63) Azobenzene	15.513	77	43607	2.663	ng	# 1
75) Fluoranthene	18.959	202	65262	2.850	ng	# 1
78) Pyrene	19.324	202	67191	3.113	ng	# 1
88) Benzo(b)fluoranthene	22.565	252	82799	3.309	ng	# 1
89) Benzo(k)fluoranthene	22.565	252	82799	3.394	ng	# 1
90) Benzo(a)pyrene	23.100	252	50958	2.465	ng	# 1

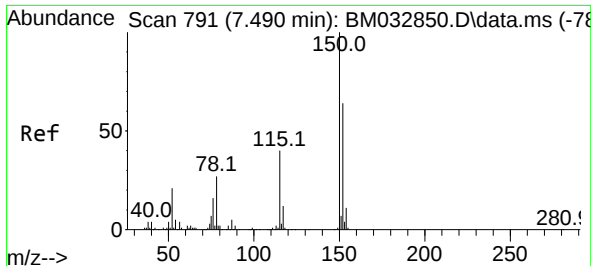
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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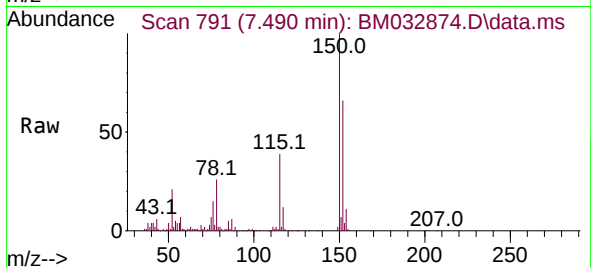
Quant Time: Nov 07 08:46:53 2021
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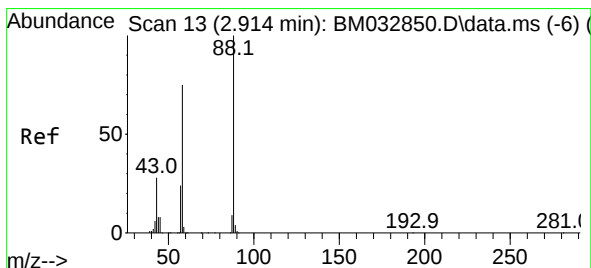
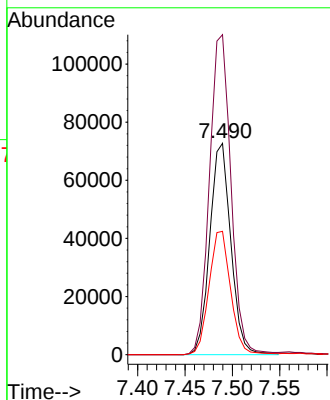
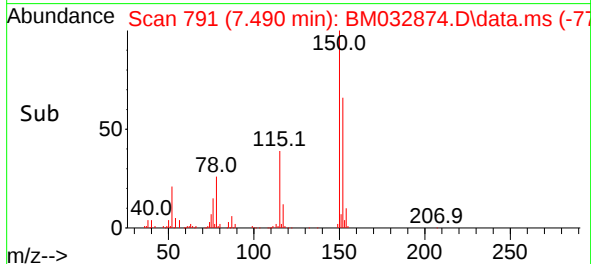


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.490 min Scan# 791
Delta R.T. -0.000 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

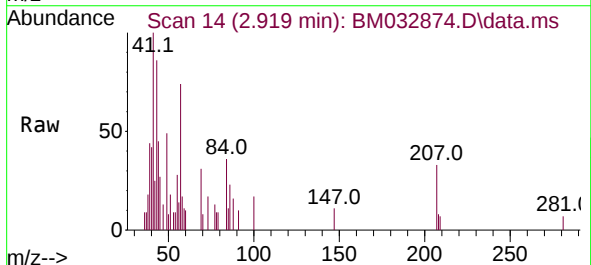
Instrument :
BNA_F
ClientSampleId :



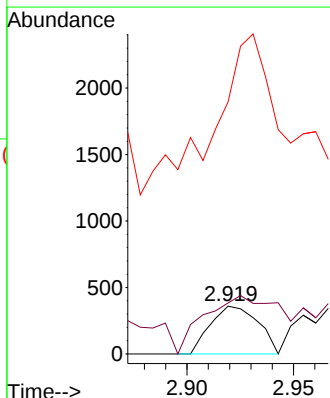
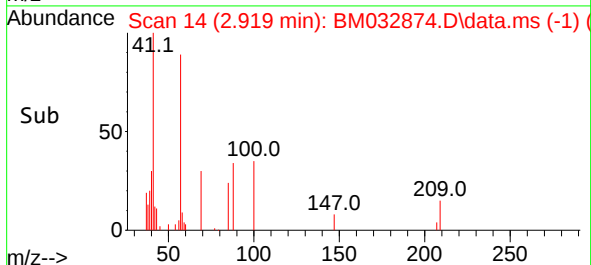
Tgt Ion:152 Resp: 112517
Ion Ratio Lower Upper
152 100
150 151.3 122.4 183.6
115 58.4 53.8 80.8

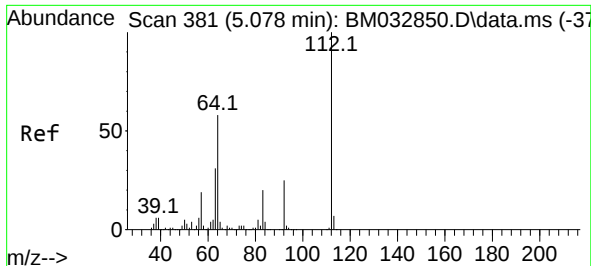


#2
1,4-Dioxane
Concen: Below Cal
RT: 2.919 min Scan# 14
Delta R.T. 0.005 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36



Tgt Ion: 88 Resp: 560
Ion Ratio Lower Upper
88 100
58 192.7 50.4 75.6#
43 543.2 22.2 33.2#

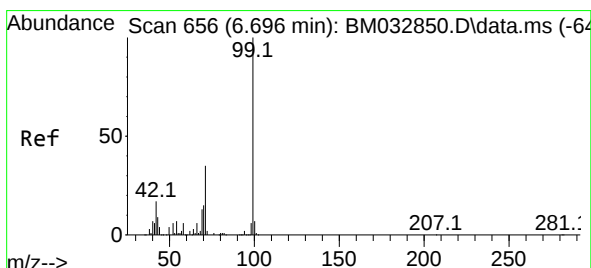
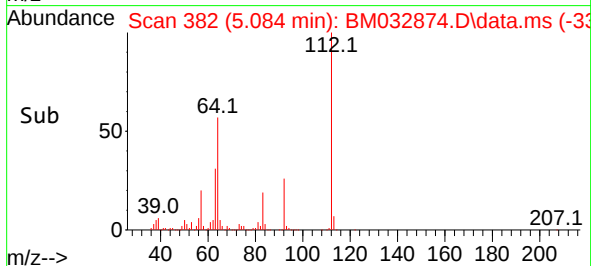
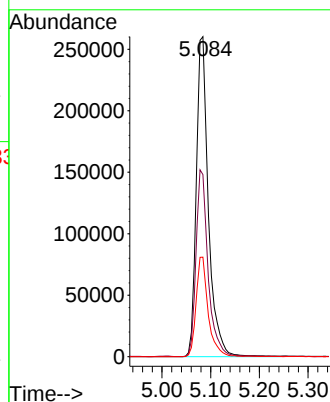
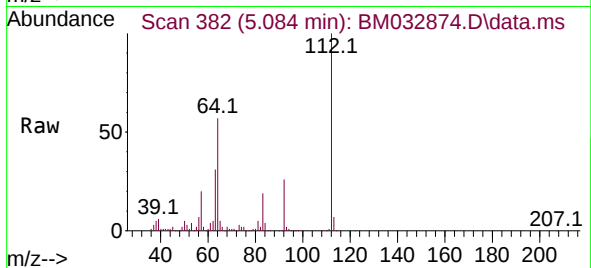




#5
2-Fluorophenol
Concen: 70.037 ng
RT: 5.084 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

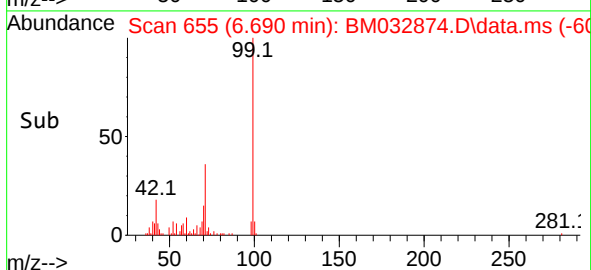
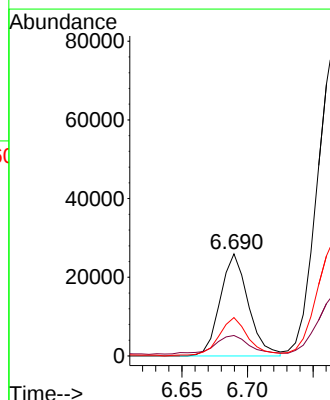
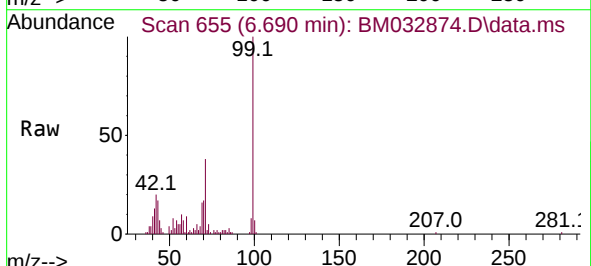
Instrument :
BNA_F
ClientSampleId :

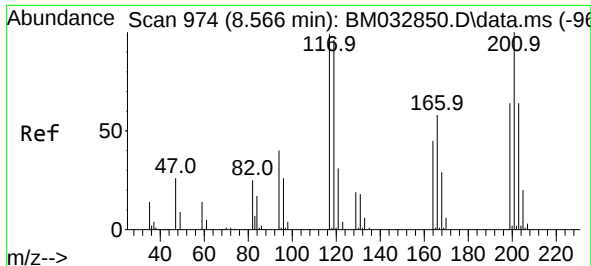
Tgt Ion:112 Resp: 452016
Ion Ratio Lower Upper
112 100
64 56.9 53.7 80.5
63 31.1 33.9 50.9#



#7
Phenol-d6
Concen: 4.020 ng
RT: 6.690 min Scan# 655
Delta R.T. -0.006 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

Tgt Ion: 99 Resp: 38632
Ion Ratio Lower Upper
99 100
42 20.1 23.0 34.6#
71 37.6 37.8 56.8#

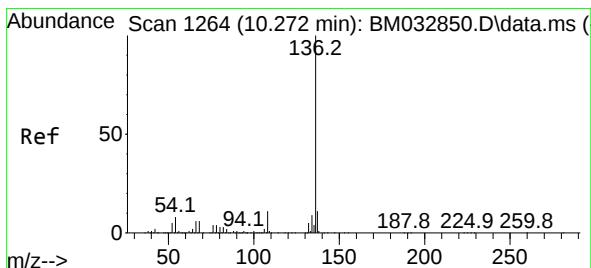
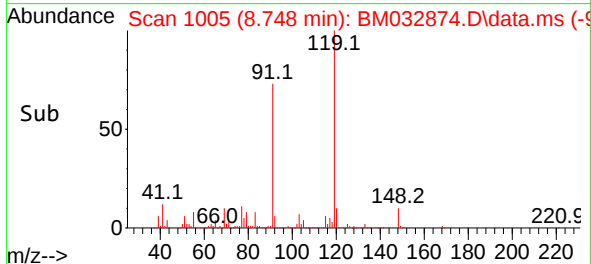
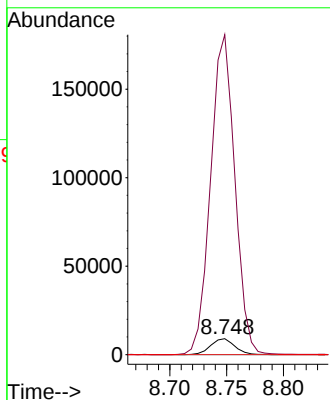
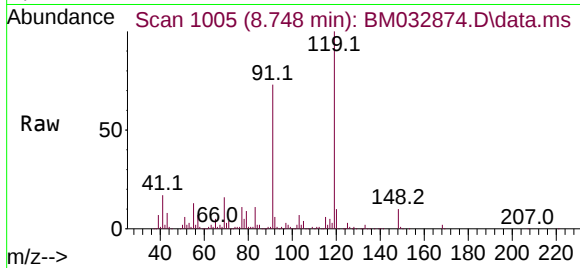




#18
Hexachloroethane
Concen: 4.454 ng
RT: 8.748 min Scan# 1005
Delta R.T. 0.182 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

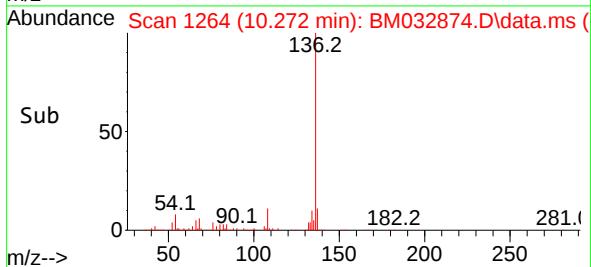
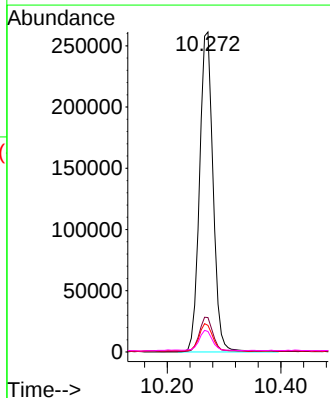
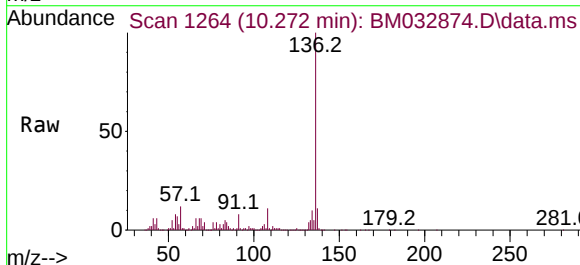
Instrument :
BNA_F
ClientSampleId :

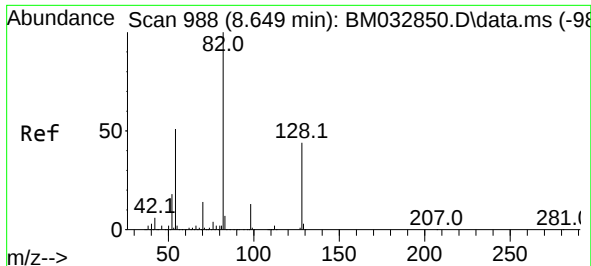
Tgt Ion:117 Resp: 13405
Ion Ratio Lower Upper
117 100
119 2006.2 77.7 116.5#
201 0.0 70.2 105.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.272 min Scan# 1264
Delta R.T. -0.000 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

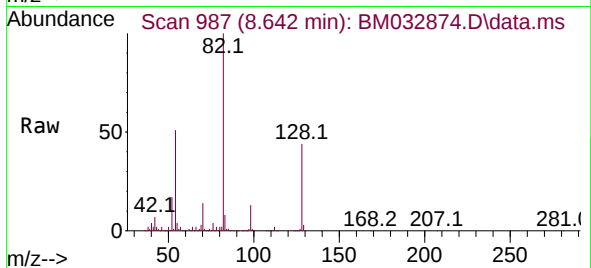
Tgt Ion:136 Resp: 432482
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.3 7.4 11.0
68 6.4 3.8 5.8#



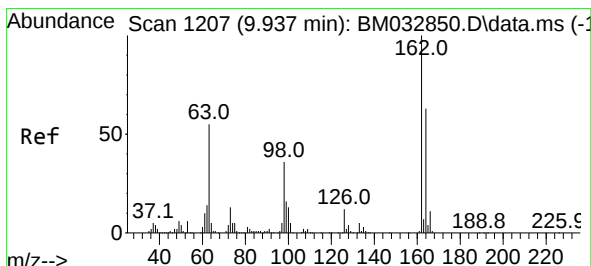
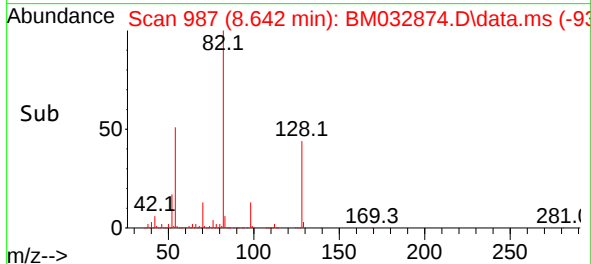
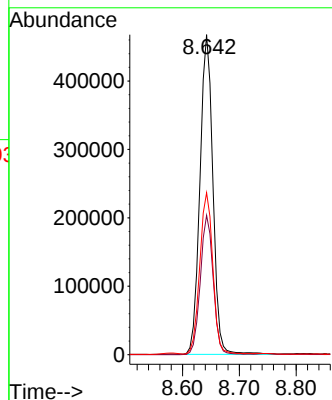


#23
Nitrobenzene-d5
Concen: 93.827 ng
RT: 8.642 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

Instrument :
BNA_F
ClientSampleId :

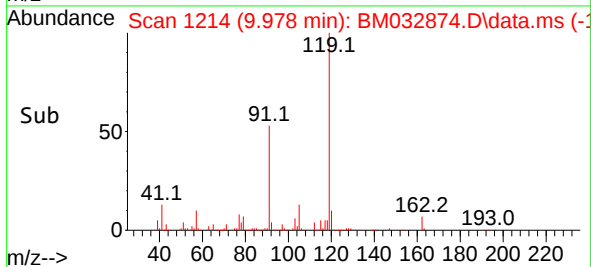
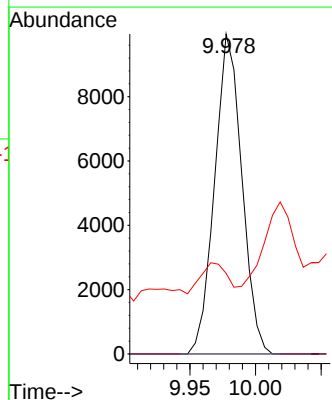
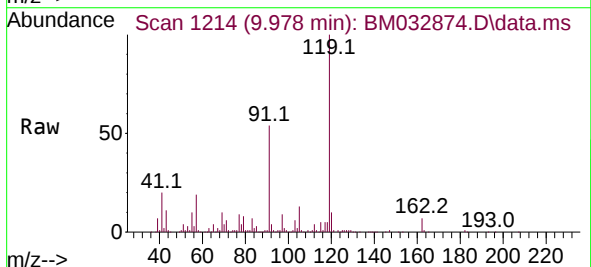


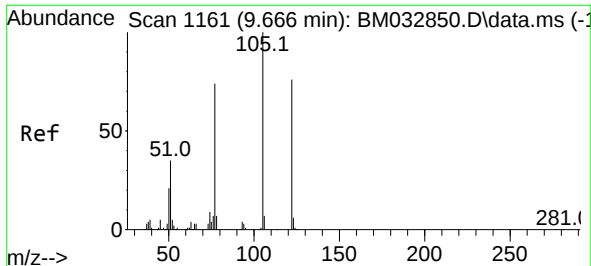
Tgt Ion: 82 Resp: 741395
Ion Ratio Lower Upper
82 100
128 43.6 29.0 43.6#
54 50.6 45.8 68.8



#29
2,4-Dichlorophenol
Concen: 2.148 ng
RT: 9.978 min Scan# 1214
Delta R.T. 0.041 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

Tgt Ion: 162 Resp: 14329
Ion Ratio Lower Upper
162 100
164 0.0 47.4 87.4#
98 25.2 18.9 58.9

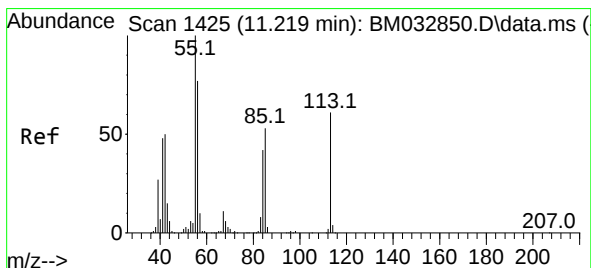
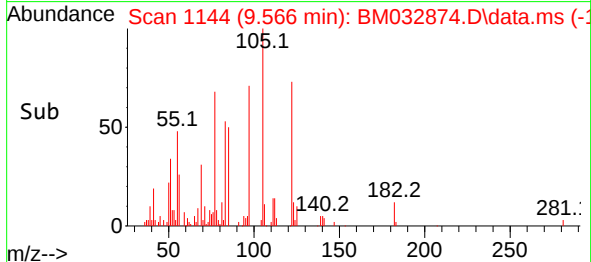
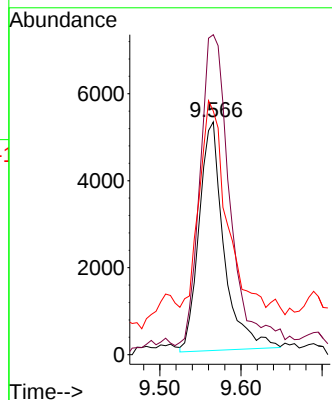
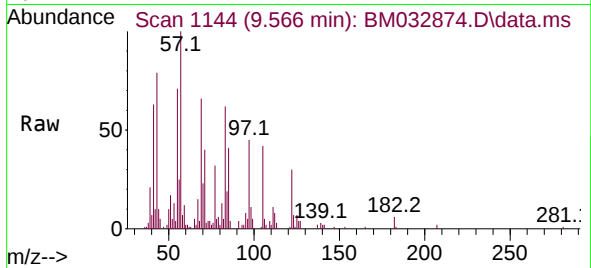




#32
Benzoic acid
Concen: 2.388 ng
RT: 9.566 min Scan# 1161
Delta R.T. -0.100 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

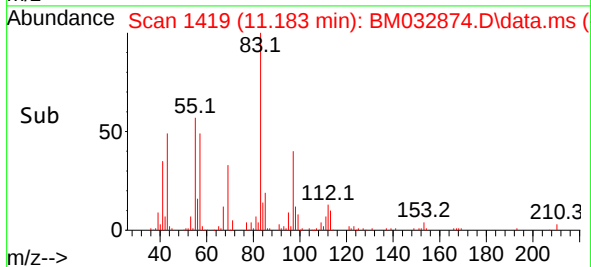
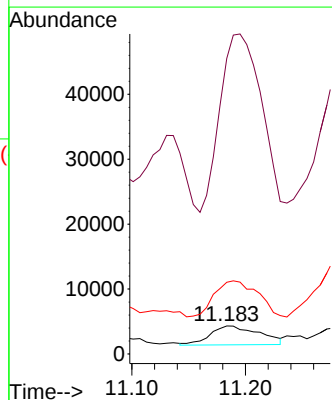
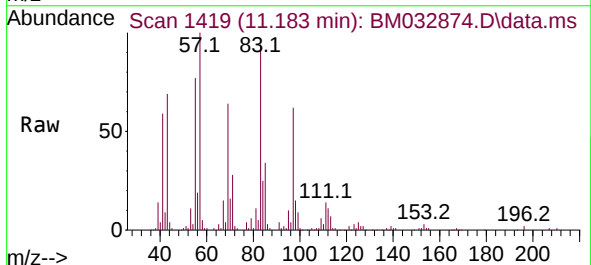
Instrument :
BNA_F
ClientSampleId :

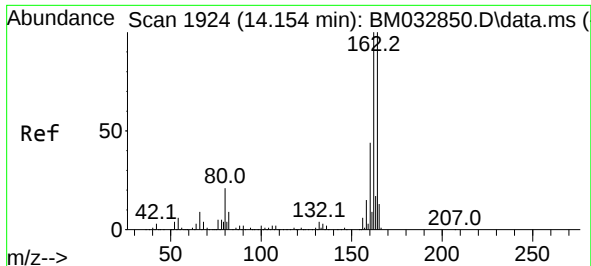
Tgt Ion:122 Resp: 11232
Ion Ratio Lower Upper
122 100
105 137.5 120.3 160.3
77 104.7 100.0 140.0



#35
Caprolactam
Concen: 3.932 ng
RT: 11.183 min Scan# 1419
Delta R.T. -0.036 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

Tgt Ion:113 Resp: 8793
Ion Ratio Lower Upper
113 100
55 1056.8 170.5 210.5#
56 256.2 125.2 165.2#

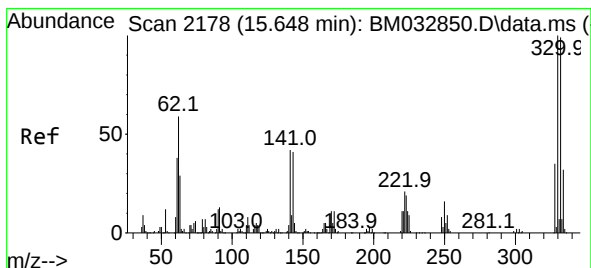
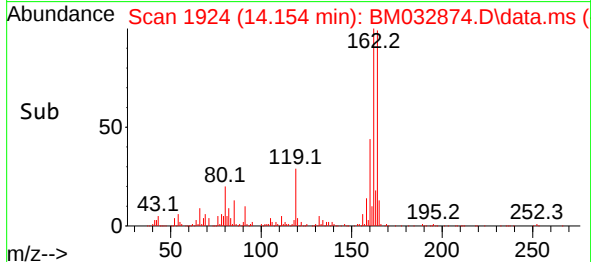
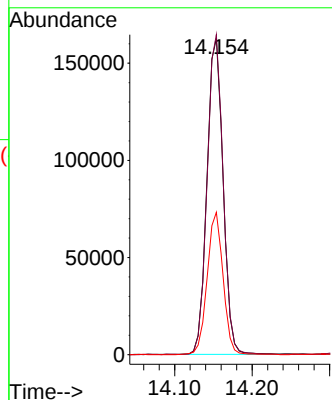
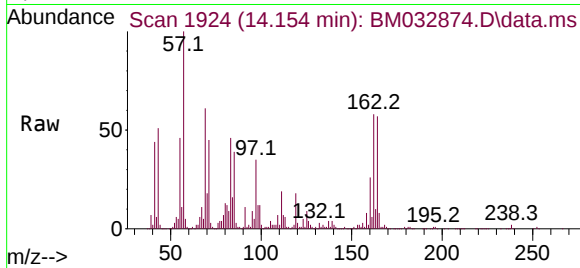




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.154 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

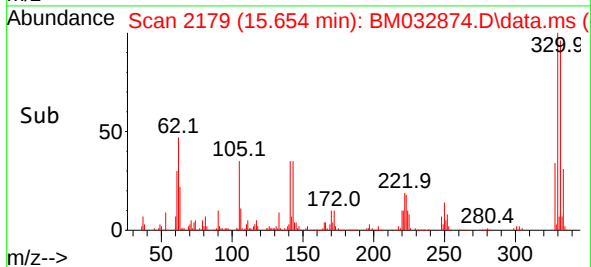
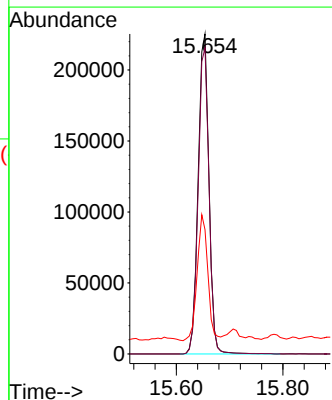
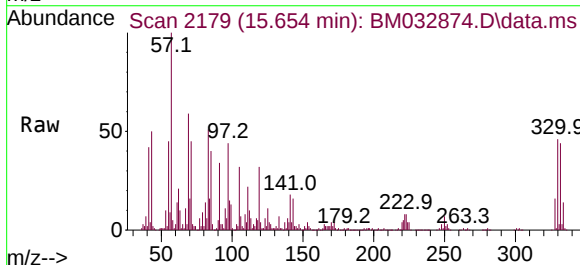
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BNA_F
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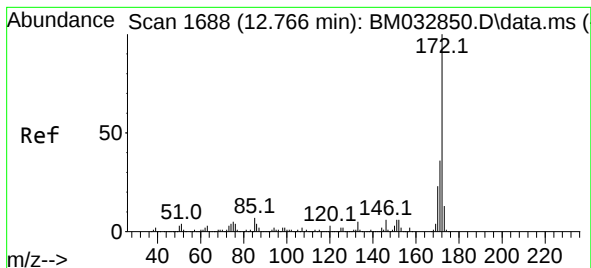
Tgt Ion:164 Resp: 234652
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 45.1 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 120.361 ng
RT: 15.654 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

Tgt Ion:330 Resp: 316302
Ion Ratio Lower Upper
330 100
332 95.9 75.7 113.5
141 38.9 50.7 76.1#





#45

2-Fluorobiphenyl

Concen: 96.156 ng

RT: 12.766 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM032874.D

Acq: 04 Nov 2021 14:36

Instrument :

BNA_F

ClientSampleId :

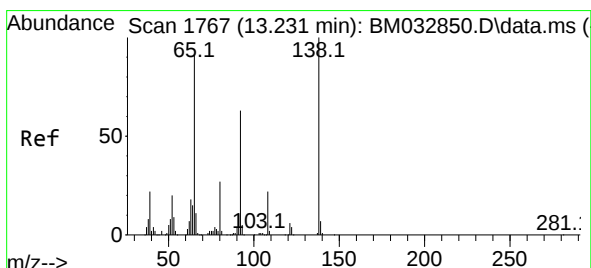
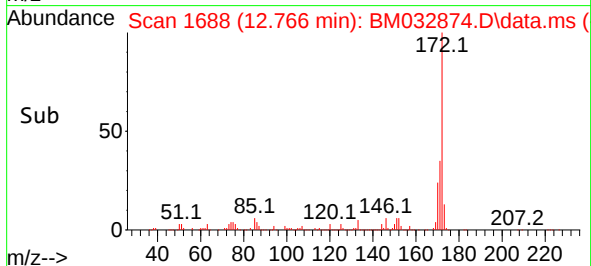
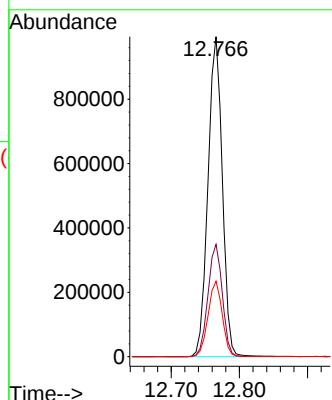
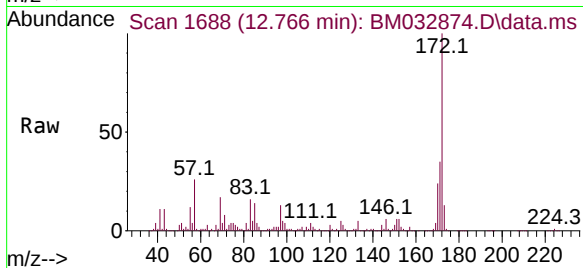
Tgt Ion:172 Resp: 1454771

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.6 18.6 27.8



#48

2-Nitroaniline

Concen: 3.834 ng

RT: 13.219 min Scan# 1765

Delta R.T. -0.012 min

Lab File: BM032874.D

Acq: 04 Nov 2021 14:36

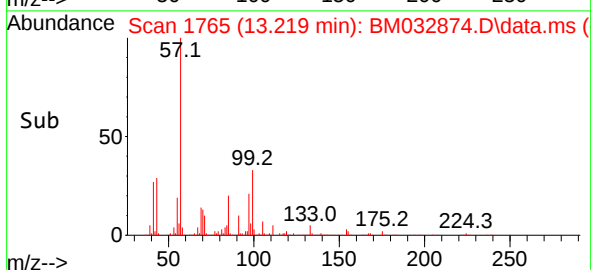
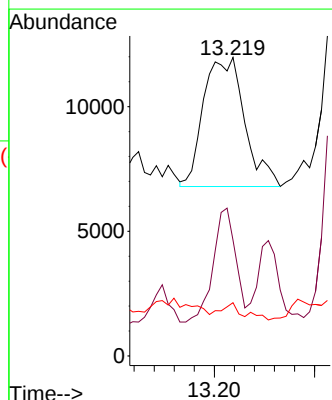
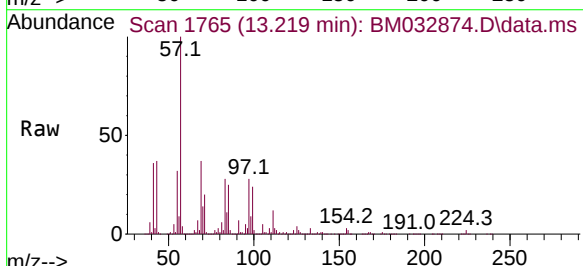
Tgt Ion: 65 Resp: 14666

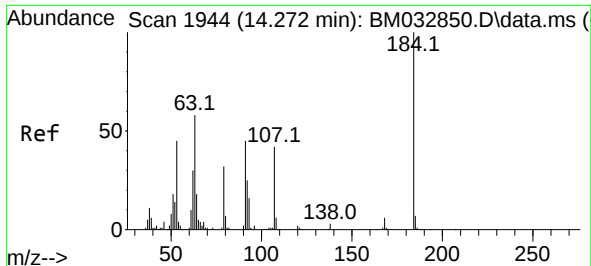
Ion Ratio Lower Upper

65 100

92 38.8 51.2 76.8#

138 17.9 66.8 100.2#

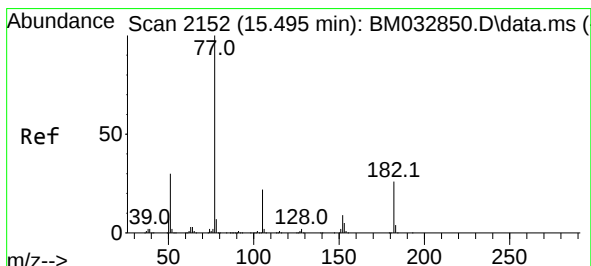
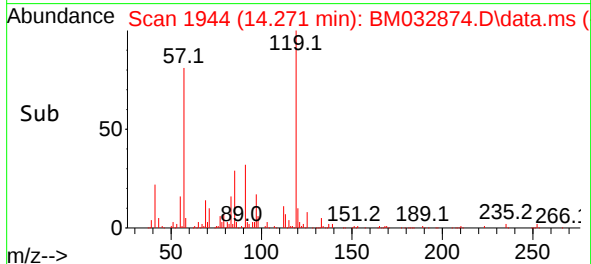
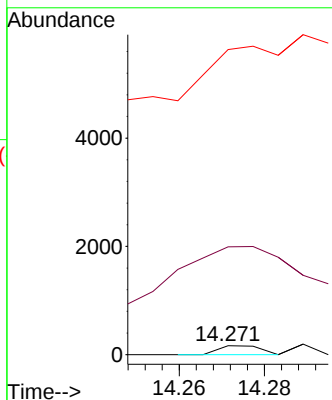
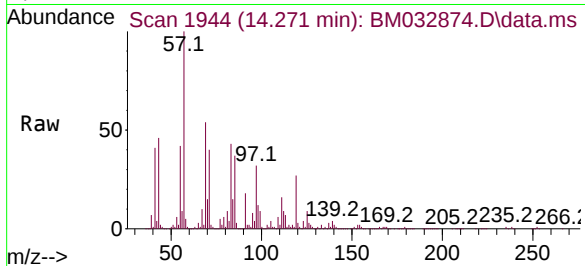




#54
2,4-Dinitrophenol
Concen: 4.679 ng
RT: 14.271 min Scan# 1944
Delta R.T. -0.001 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

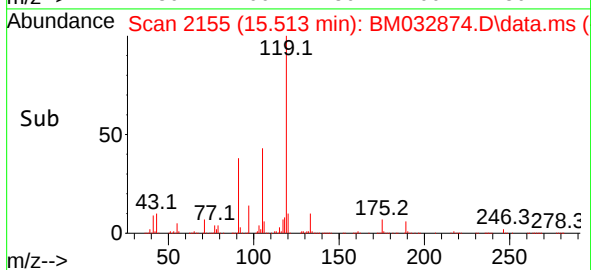
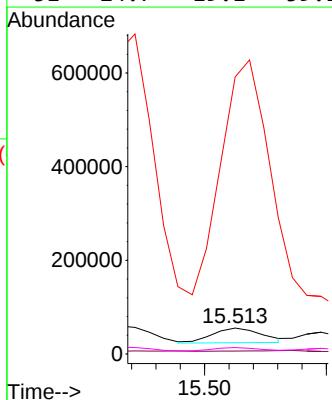
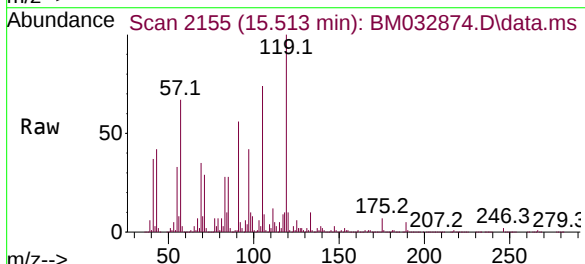
Instrument :
BNA_F
ClientSampleId :

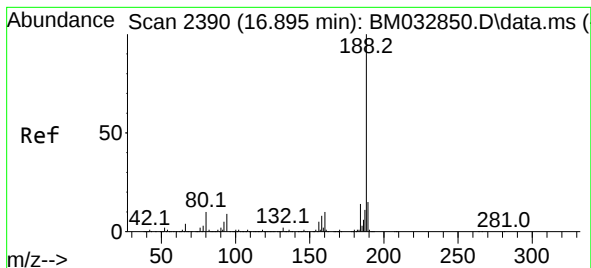
Tgt Ion:184 Resp: 113
Ion Ratio Lower Upper
184 100
63 1206.7 93.8 140.6#
154 3415.8 64.0 96.0#



#63
Azobenzene
Concen: 2.663 ng
RT: 15.513 min Scan# 2155
Delta R.T. 0.017 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

Tgt Ion: 77 Resp: 43607
Ion Ratio Lower Upper
77 100
182 11.0 0.0 39.3
105 1066.1 0.0 36.1#
51 24.7 19.1 59.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.895 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM032874.D

Acq: 04 Nov 2021 14:36

Instrument :

BNA_F

ClientSampleId :

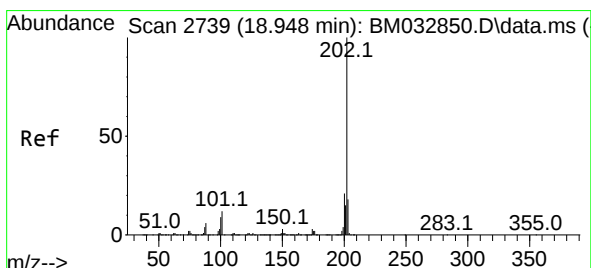
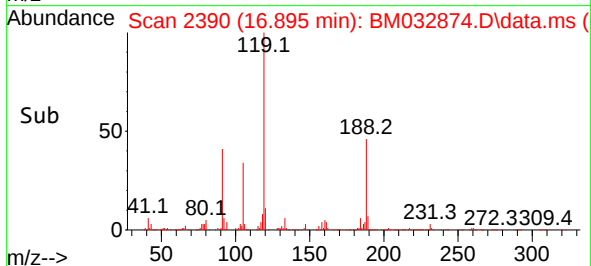
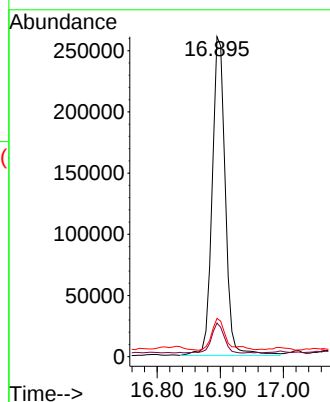
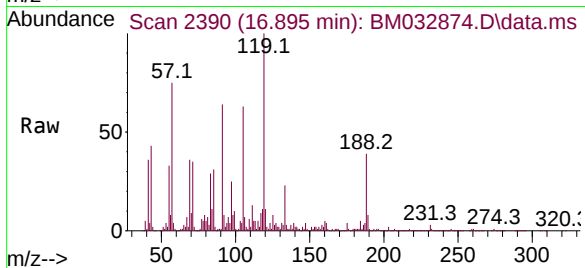
Tgt Ion:188 Resp: 376377

Ion Ratio Lower Upper

188 100

94 10.5 6.3 9.5#

80 12.0 7.3 10.9#



#75

Fluoranthene

Concen: 2.850 ng

RT: 18.959 min Scan# 2741

Delta R.T. 0.012 min

Lab File: BM032874.D

Acq: 04 Nov 2021 14:36

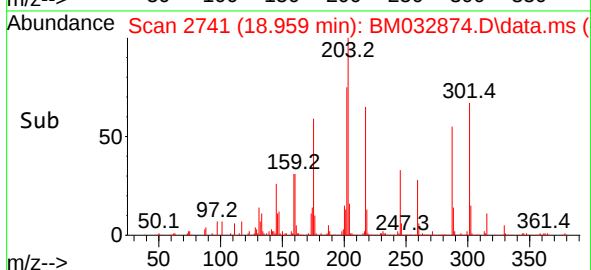
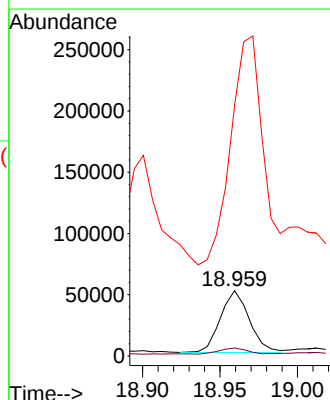
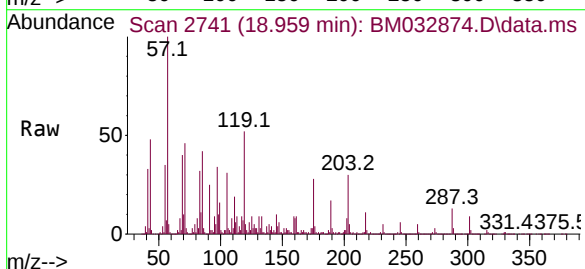
Tgt Ion:202 Resp: 65262

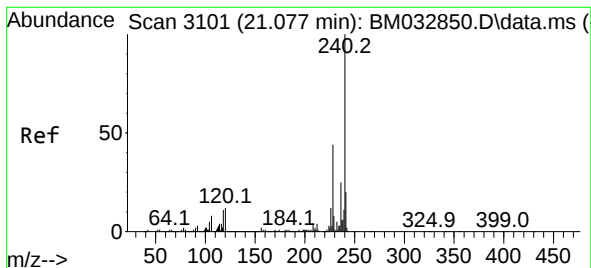
Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.9

203 384.0 0.0 36.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.077 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BM032874.D

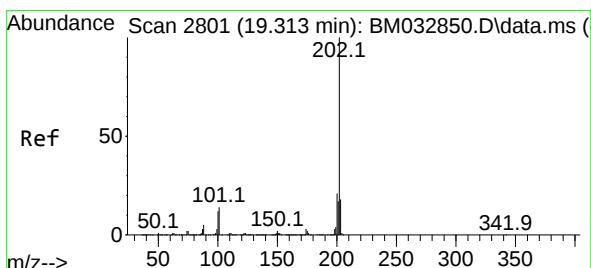
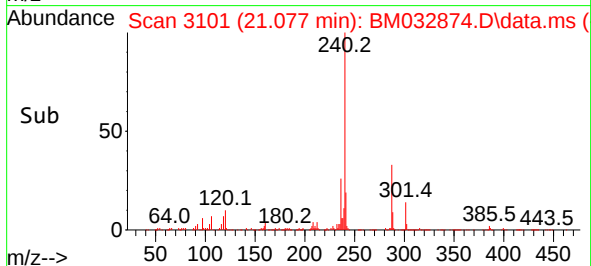
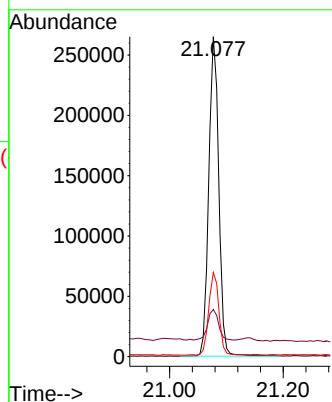
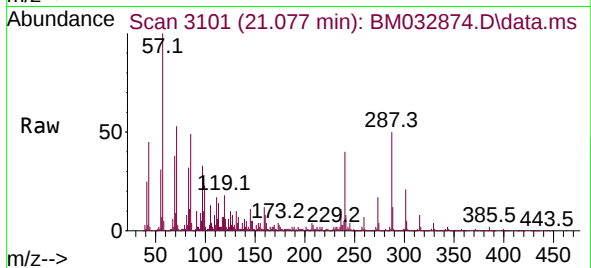
Acq: 04 Nov 2021 14:36

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:240 Resp: 322156
 Ion Ratio Lower Upper
 240 100
 120 14.8 7.8 11.6#
 236 26.3 20.9 31.3



#78

Pyrene

Concen: 3.113 ng

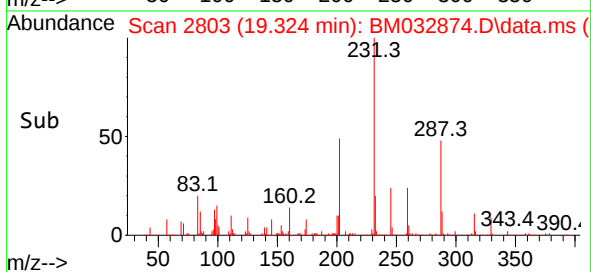
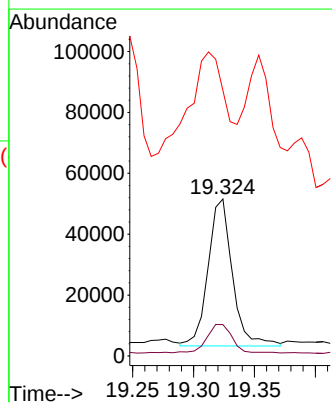
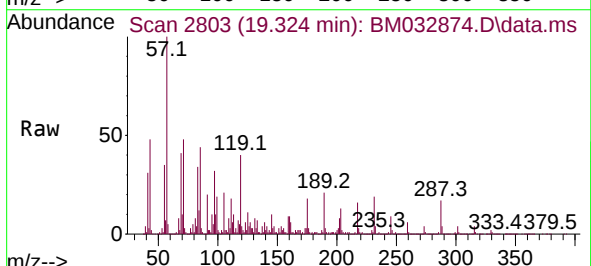
RT: 19.324 min Scan# 2803

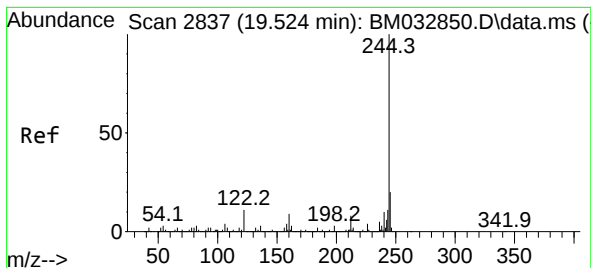
Delta R.T. 0.012 min

Lab File: BM032874.D

Acq: 04 Nov 2021 14:36

Tgt Ion:202 Resp: 67191
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.6 25.0
 203 169.1 13.7 20.5#





#79

Terphenyl-d14

Concen: 93.896 ng

RT: 19.530 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM032874.D

Acq: 04 Nov 2021 14:36

Instrument :

BNA_F

ClientSampleId :

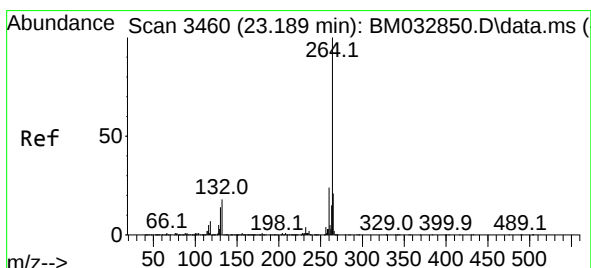
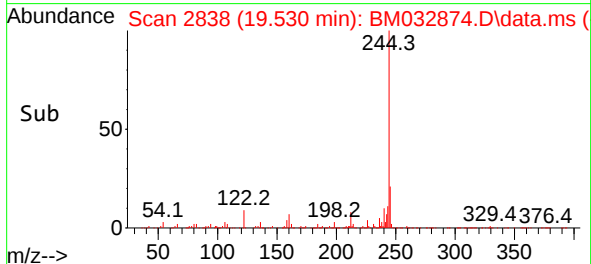
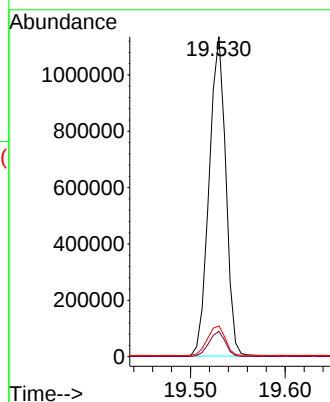
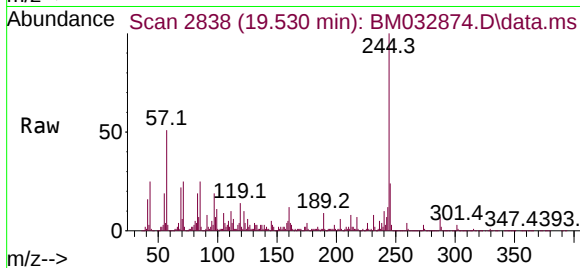
Tgt Ion:244 Resp: 1385499

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

122 9.6 8.7 13.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.189 min Scan# 3460

Delta R.T. -0.000 min

Lab File: BM032874.D

Acq: 04 Nov 2021 14:36

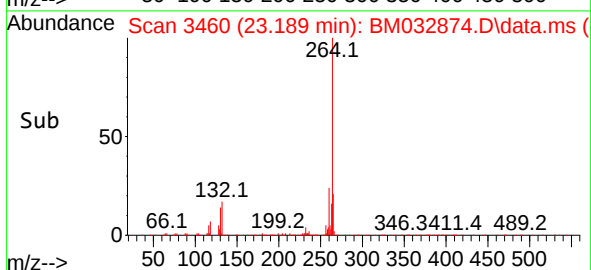
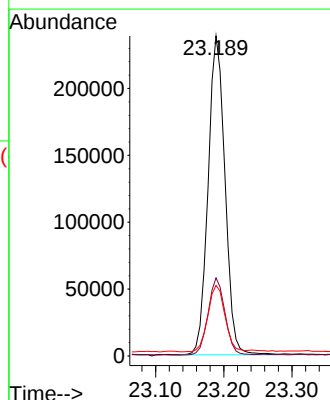
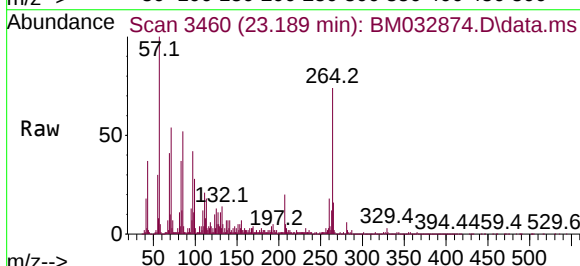
Tgt Ion:264 Resp: 411007

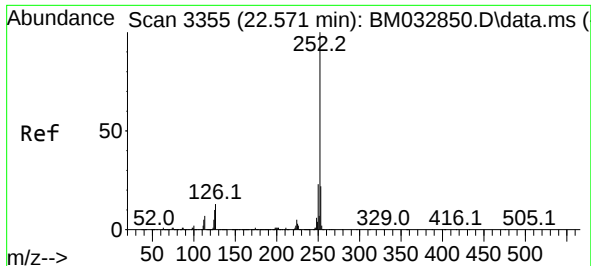
Ion Ratio Lower Upper

264 100

260 24.4 19.3 28.9

265 22.1 18.3 27.5

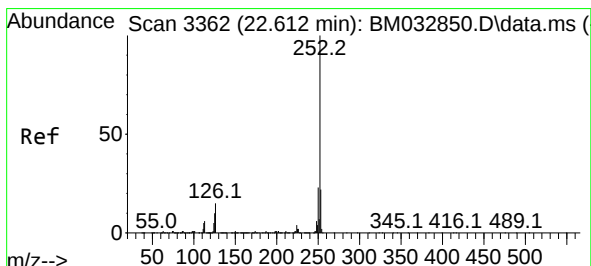
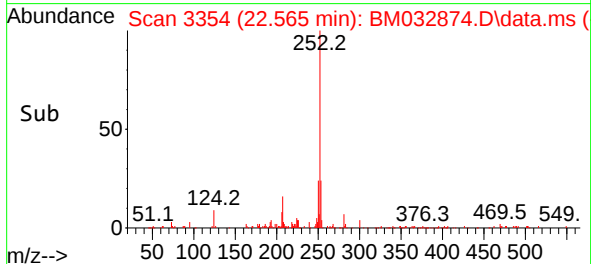
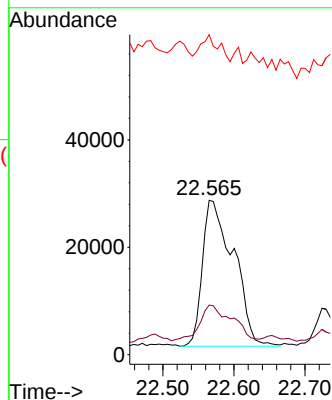
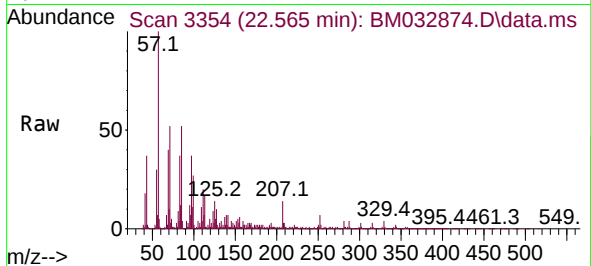




#88
Benzo(b)fluoranthene
Concen: 3.309 ng
RT: 22.565 min Scan# 3355
Delta R.T. -0.006 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

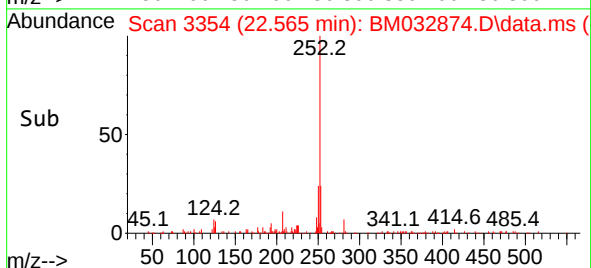
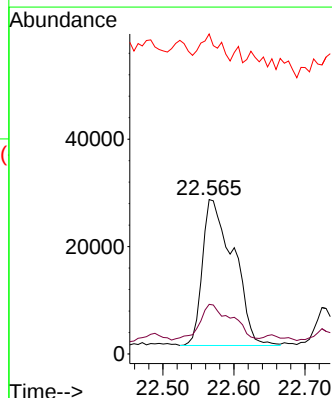
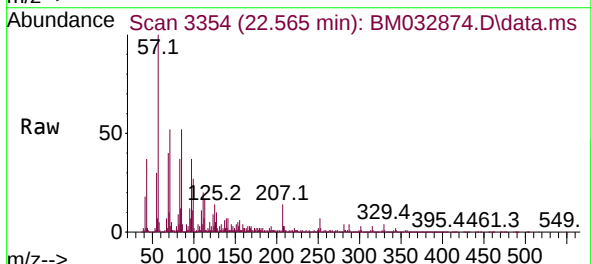
Instrument :
BNA_F
ClientSampleId :

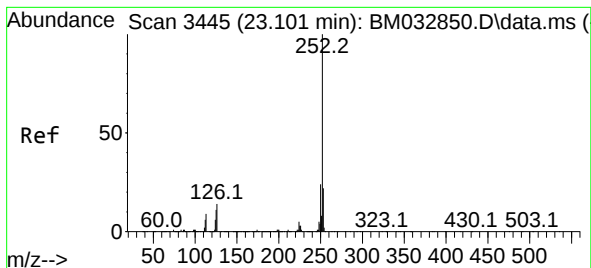
Tgt Ion:252 Resp: 82799
Ion Ratio Lower Upper
252 100
253 32.1 18.0 27.0#
125 207.3 7.5 11.3#



#89
Benzo(k)fluoranthene
Concen: 3.394 ng
RT: 22.565 min Scan# 3354
Delta R.T. -0.047 min
Lab File: BM032874.D
Acq: 04 Nov 2021 14:36

Tgt Ion:252 Resp: 82799
Ion Ratio Lower Upper
252 100
253 32.1 17.3 25.9#
125 207.3 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 2.465 ng

RT: 23.100 min Scan# 34

Delta R.T. -0.000 min

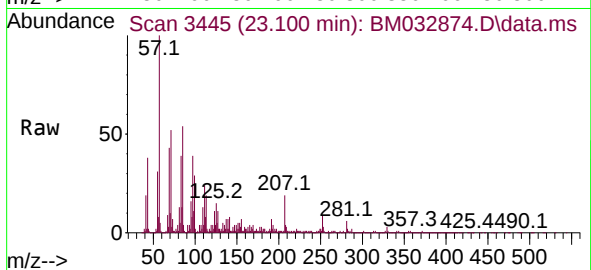
Lab File: BM032874.D

Acq: 04 Nov 2021 14:36

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 50958

Ion Ratio Lower Upper

252 100

253 28.3 17.4 26.2#

125 165.0 8.1 12.1#

