

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133561.D
 Acq On : 02 Jun 2023 16:19
 Operator : CG\JU
 Sample : 03011-01DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CO-115968DL

Quant Time: Jun 02 17:01:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

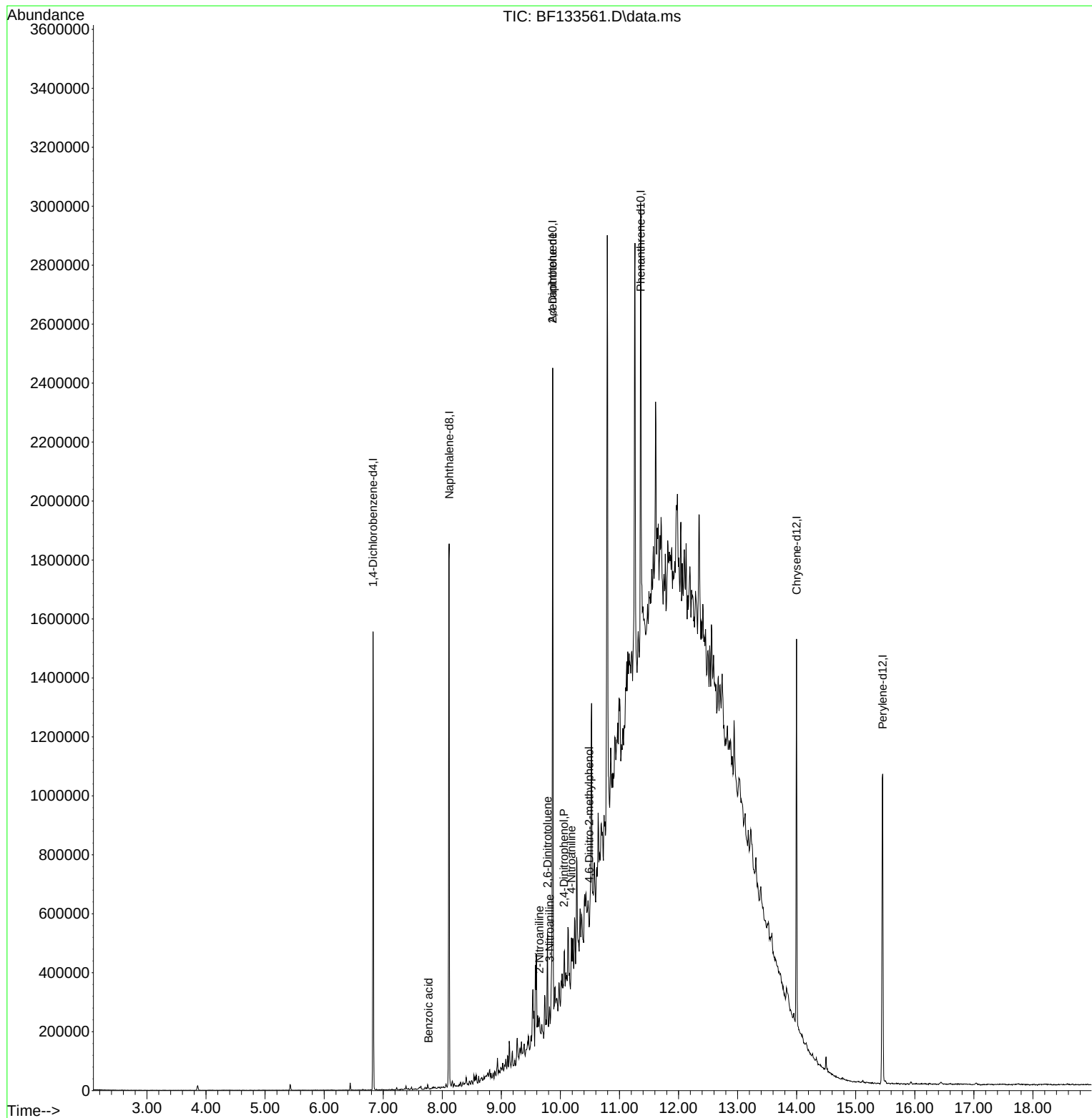
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	210974	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	795423	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	380589	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	641783	20.000	ng	0.00
76) Chrysene-d12	13.998	240	416113	20.000	ng	0.00
86) Perylene-d12	15.457	264	499360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	5367	0.424	ng	-0.02
7) Phenol-d6	6.440	99	6693	0.430	ng	-0.02
23) Nitrobenzene-d5	7.387	82	3649	0.306	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	935	0.246	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	9610	0.390	ng	-0.01
79) Terphenyl-d14	12.945	244	8911	0.381	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.140	77	57	Below Cal	#	1
32) Benzoic acid	7.769	122	67	7.356	ng	# 1
48) 2-Nitroaniline	9.645	65	588	4.066	ng	85
51) 2,6-Dinitrotoluene	9.781	165	2336	4.106	ng	# 31
53) 3-Nitroaniline	9.816	138	1915	3.460	ng	# 25
54) 2,4-Dinitrophenol	10.063	184	221	6.626	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	50610	11.971	ng	# 16
62) 4-Nitroaniline	10.186	138	791	3.100	ng	86
65) 4,6-Dinitro-2-methylph...	10.486	198	249	8.789	ng	# 1

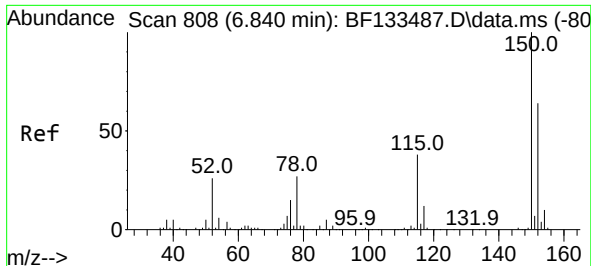
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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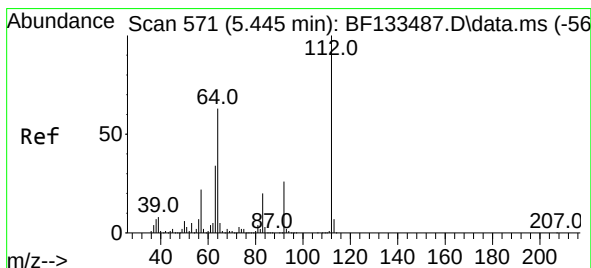
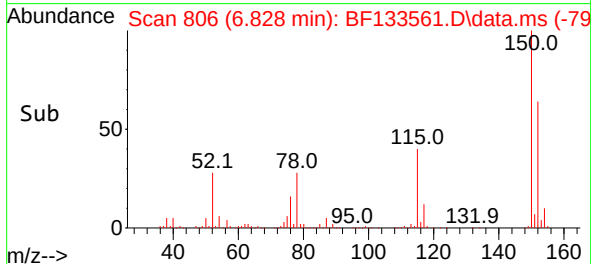
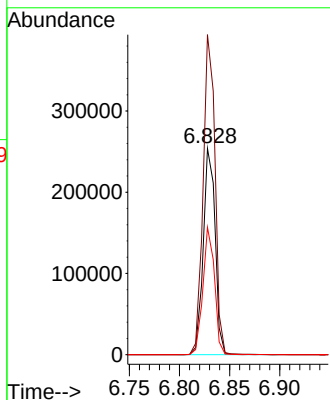
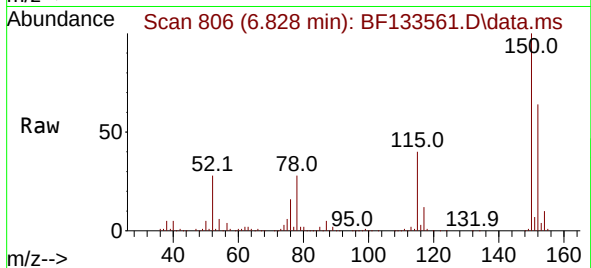




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

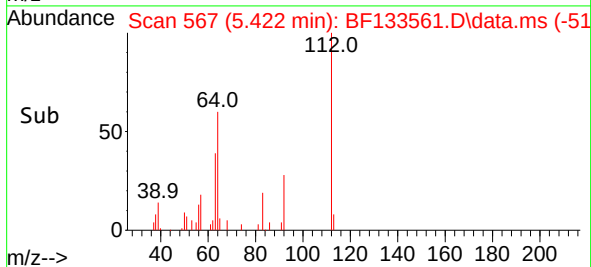
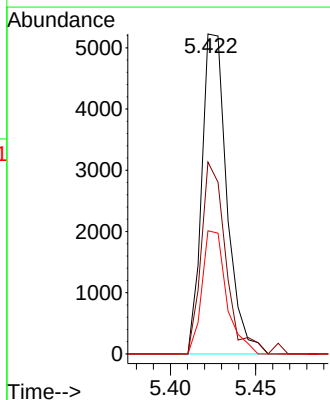
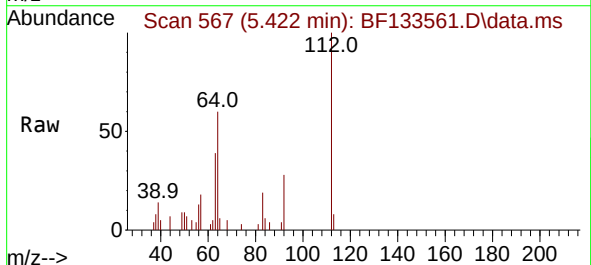
Instrument :
BNA_F
ClientSampleId :
CO-115968DL

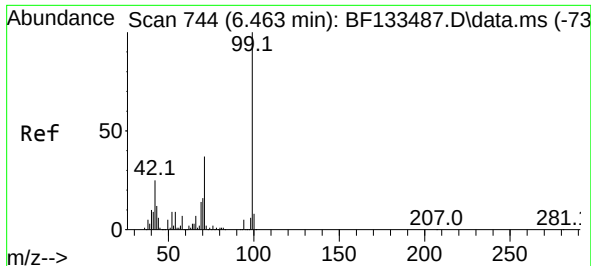
Tgt Ion:152 Resp: 210974
Ion Ratio Lower Upper
152 100
150 155.1 124.9 187.3
115 61.8 48.1 72.1



#5
2-Fluorophenol
Concen: 0.424 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.018 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

Tgt Ion:112 Resp: 5367
Ion Ratio Lower Upper
112 100
64 60.0 50.1 75.1
63 38.5 27.5 41.3

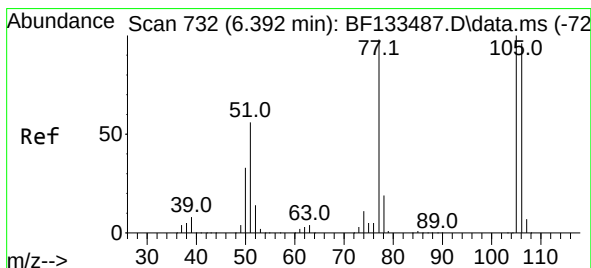
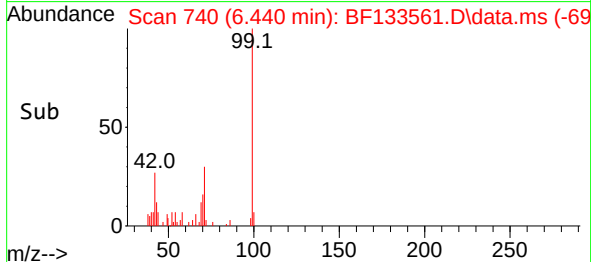
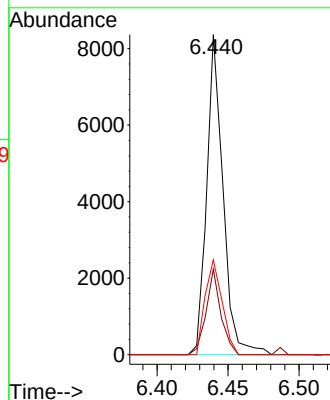
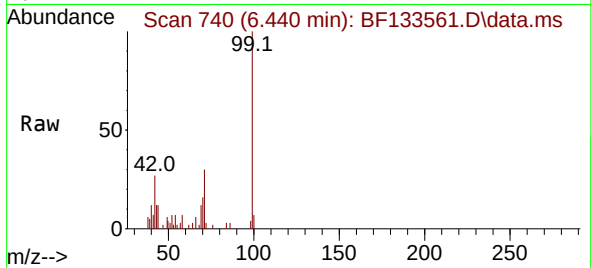




#7
Phenol-d6
Concen: 0.430 ng
RT: 6.440 min Scan# 744
Delta R.T. -0.024 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

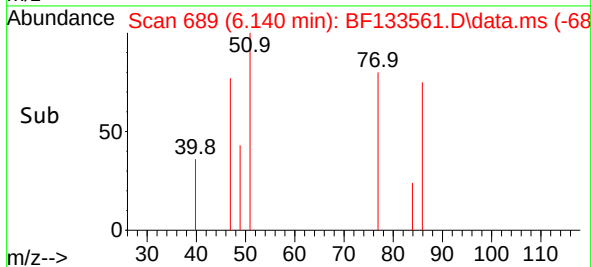
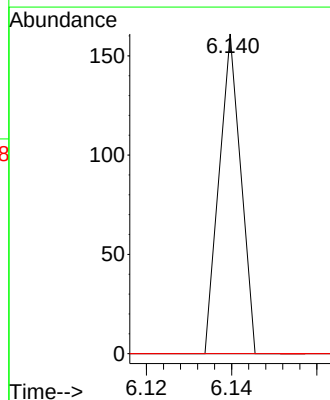
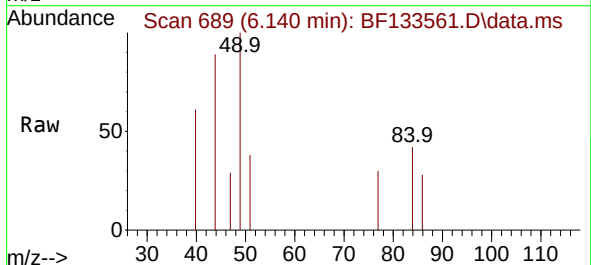
Instrument :
BNA_F
ClientSampleId :
CO-115968DL

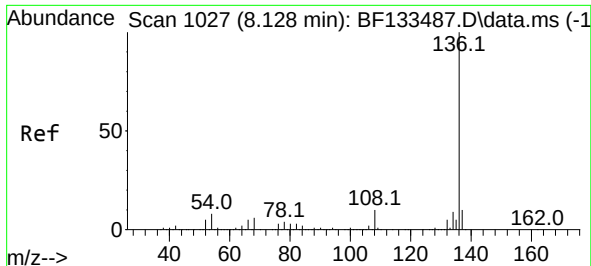
Tgt Ion: 99 Resp: 6693
Ion Ratio Lower Upper
99 100
42 26.7 19.7 29.5
71 29.6 29.8 44.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 6.140 min Scan# 689
Delta R.T. -0.247 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

Tgt Ion: 77 Resp: 57
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

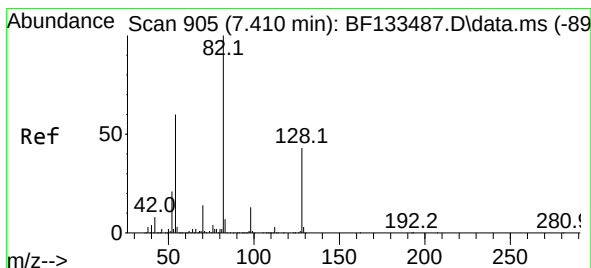
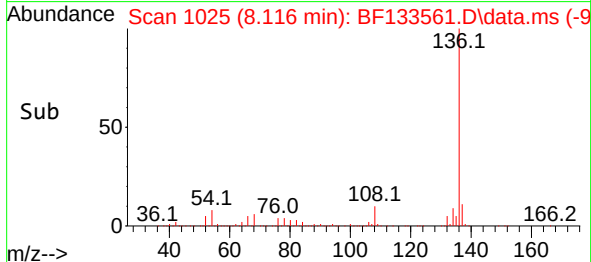
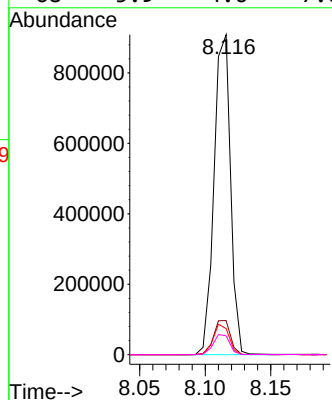
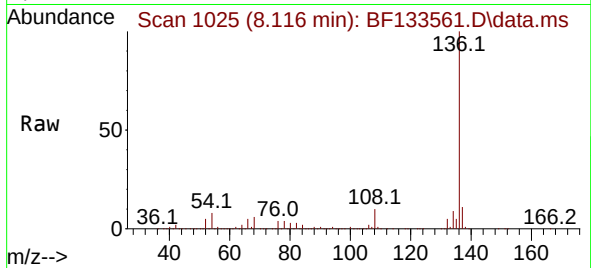




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

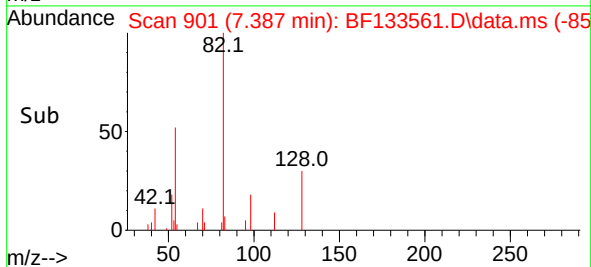
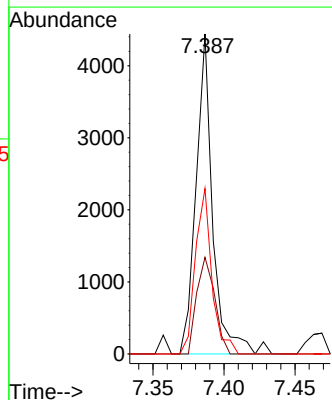
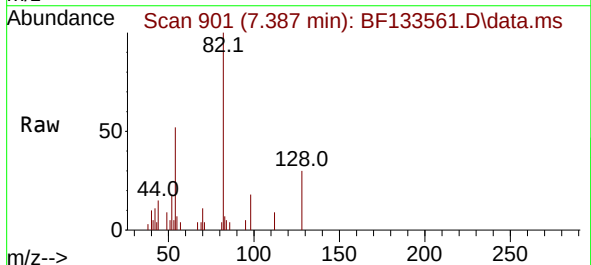
Instrument :
BNA_F
ClientSampleId :
CO-115968DL

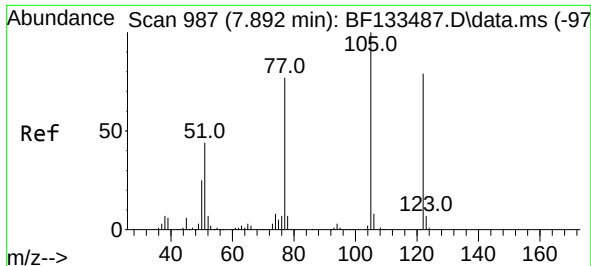
Tgt Ion:136 Resp: 795423
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.1 6.6 10.0
68 5.9 4.6 7.0



#23
Nitrobenzene-d5
Concen: 0.306 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.018 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

Tgt Ion: 82 Resp: 3649
Ion Ratio Lower Upper
82 100
128 30.2 34.2 51.4#
54 51.7 48.2 72.4

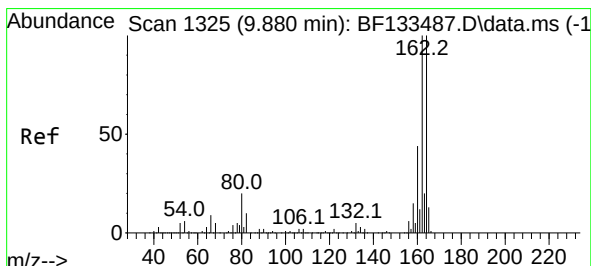
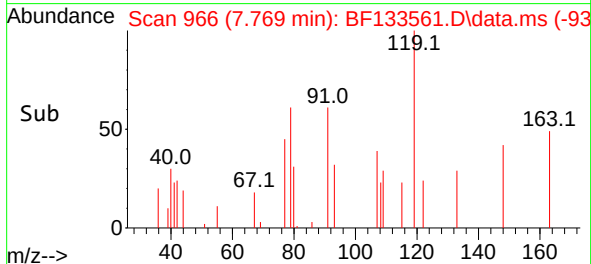
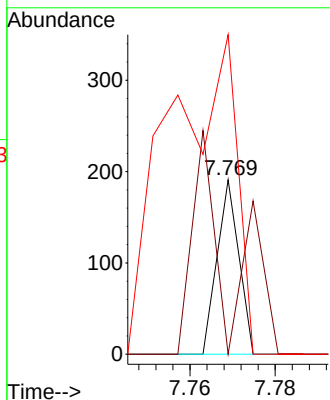
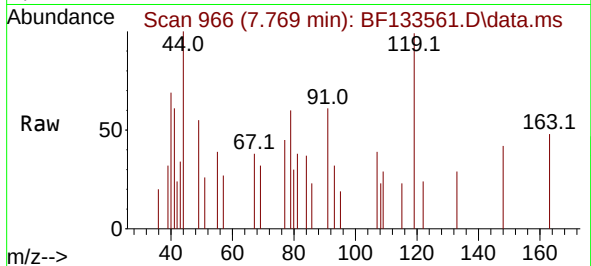




#32
Benzoic acid
Concen: 7.356 ng
RT: 7.769 min Scan# 90
Delta R.T. -0.112 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

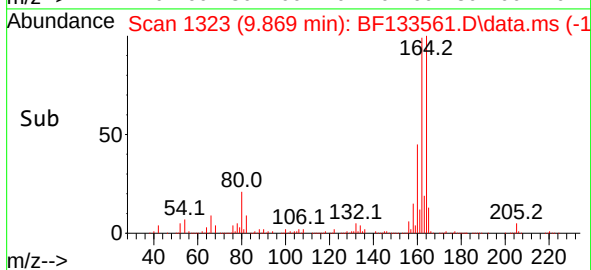
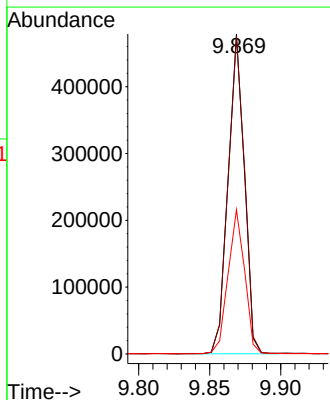
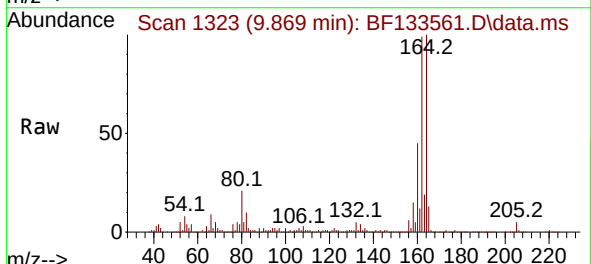
Instrument :
BNA_F
ClientSampleId :
CO-115968DL

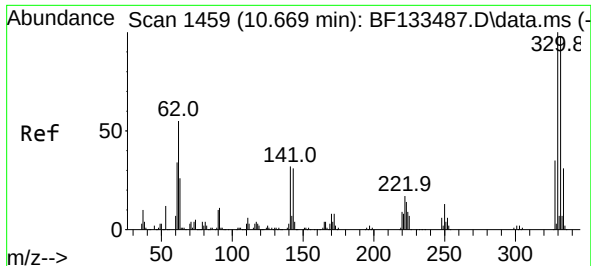
Tgt Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 183.2 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

Tgt Ion:164 Resp: 380589
Ion Ratio Lower Upper
164 100
162 99.3 79.7 119.5
160 45.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 0.246 ng

RT: 10.651 min Scan# 1459

Delta R.T. -0.012 min

Lab File: BF133561.D

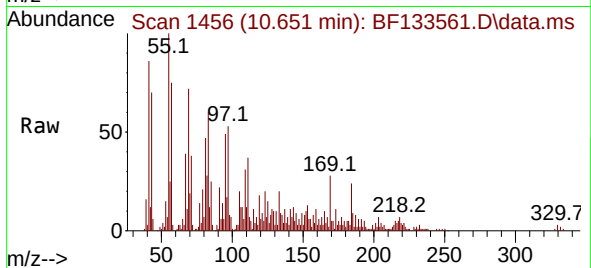
Acq: 02 Jun 2023 16:19

Instrument :

BNA_F

ClientSampleId :

CO-115968DL



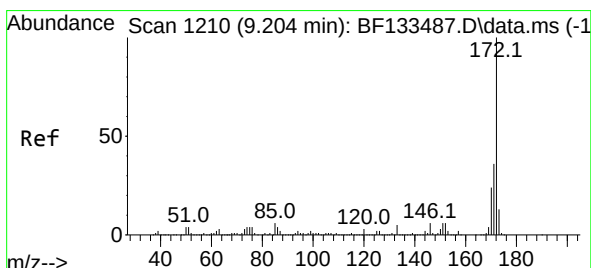
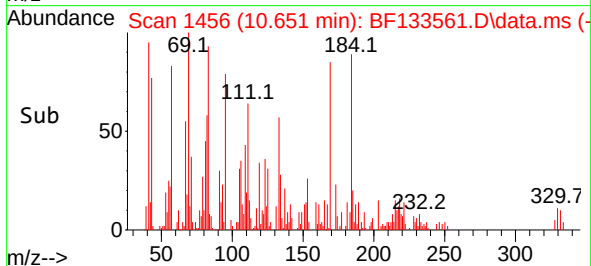
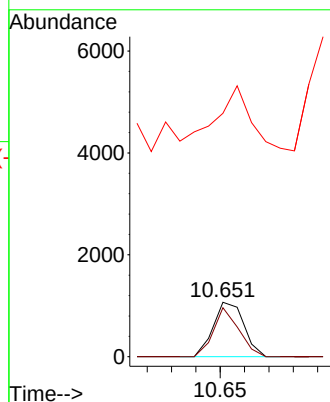
Tgt Ion:330 Resp: 935

Ion Ratio Lower Upper

330 100

332 74.5 77.8 116.6#

141 124.2 26.6 40.0#



#45

2-Fluorobiphenyl

Concen: 0.390 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF133561.D

Acq: 02 Jun 2023 16:19

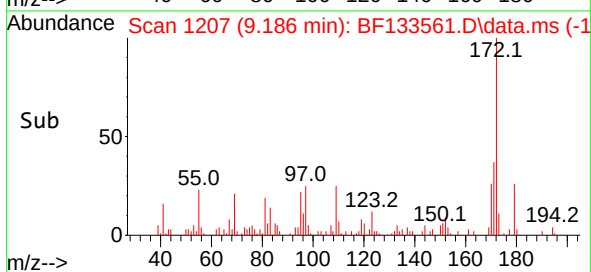
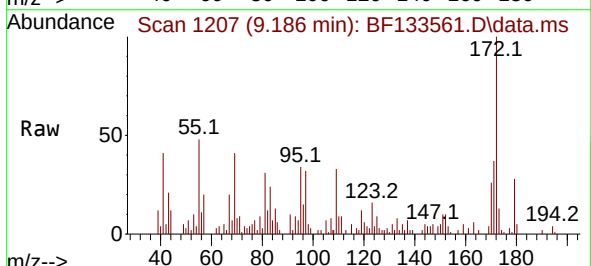
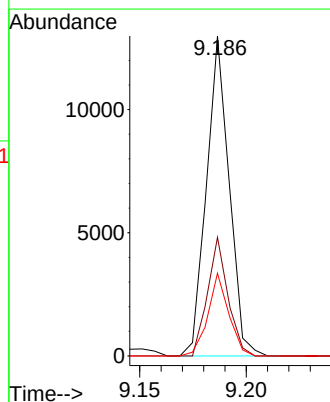
Tgt Ion:172 Resp: 9610

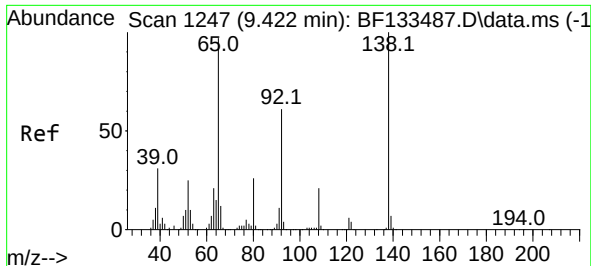
Ion Ratio Lower Upper

172 100

171 37.1 28.4 42.6

170 25.8 19.3 28.9

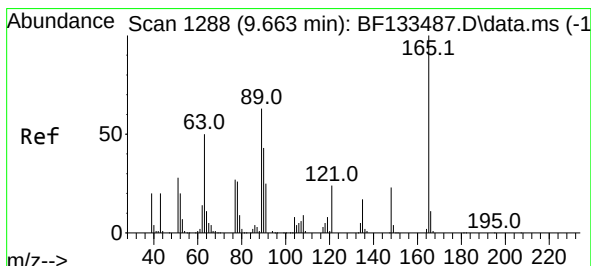
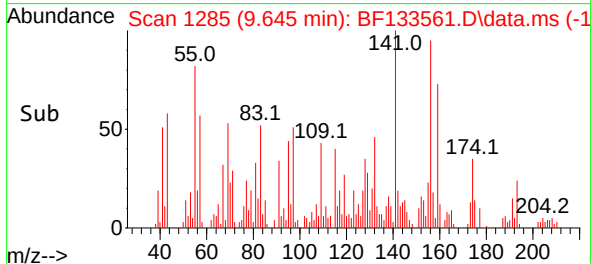
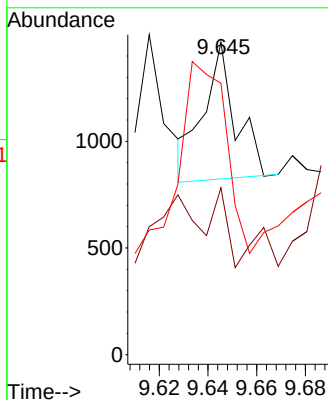
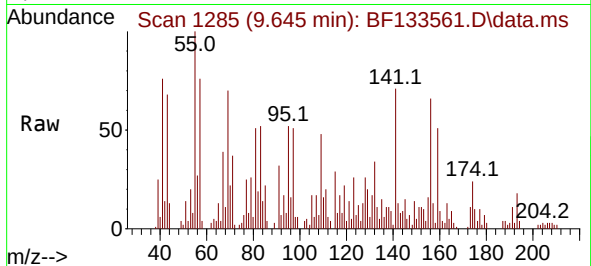




#48
2-Nitroaniline
Concen: 4.066 ng
RT: 9.645 min Scan# 11
Delta R.T. 0.229 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

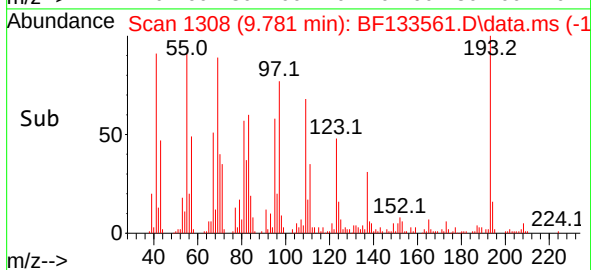
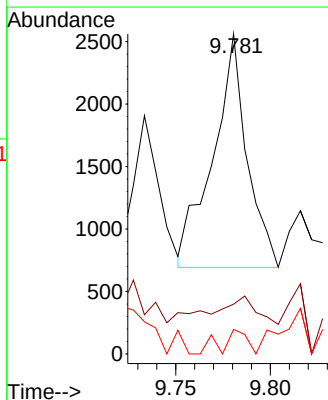
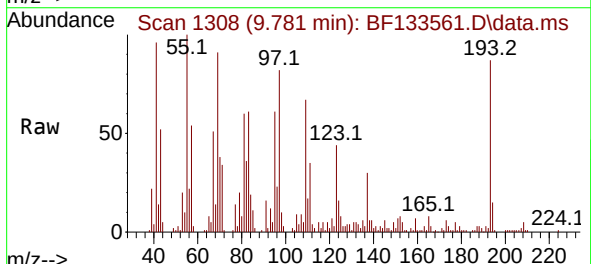
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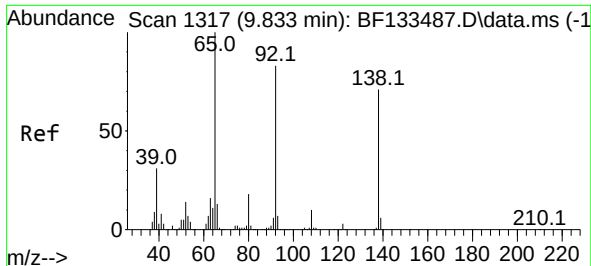
Tgt Ion: 65 Resp: 588
Ion Ratio Lower Upper
65 100
92 53.4 50.8 76.2
138 87.0 82.6 124.0



#51
2,6-Dinitrotoluene
Concen: 4.106 ng
RT: 9.781 min Scan# 1308
Delta R.T. 0.123 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

Tgt Ion: 165 Resp: 2336
Ion Ratio Lower Upper
165 100
63 15.5 57.0 85.4#
89 7.7 50.8 76.2#

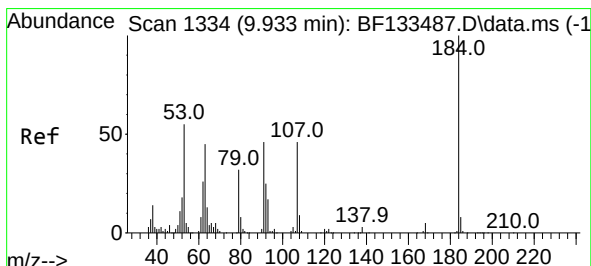
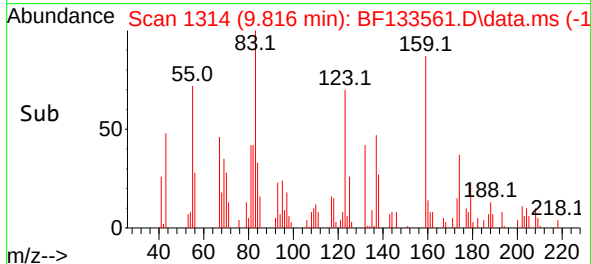
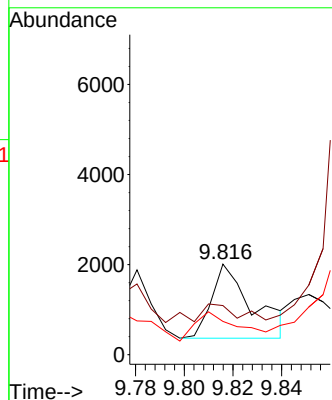
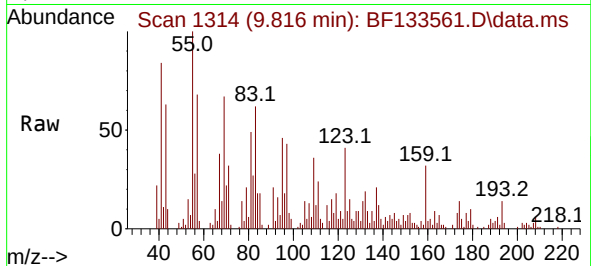




#53
3-Nitroaniline
Concen: 3.460 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

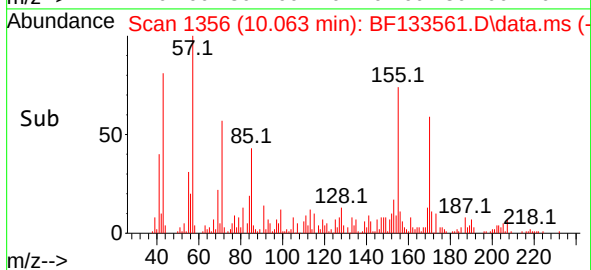
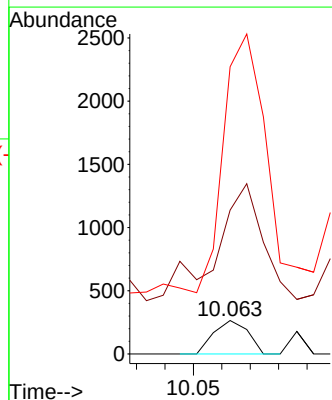
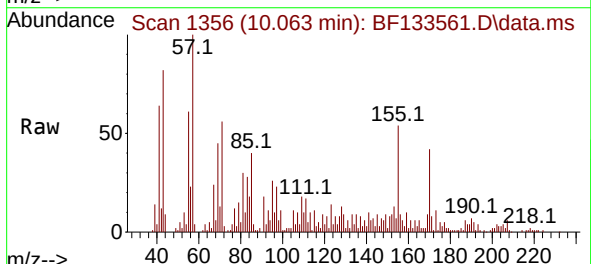
Instrument :
BNA_F
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CO-115968DL

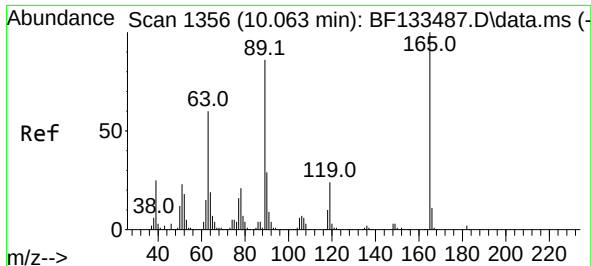
Tgt Ion:138 Resp: 1915
Ion Ratio Lower Upper
138 100
108 54.2 11.9 17.9#
92 36.7 93.1 139.7#



#54
2,4-Dinitrophenol
Concen: 6.626 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.135 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

Tgt Ion:184 Resp: 221
Ion Ratio Lower Upper
184 100
63 431.1 55.7 83.5#
154 861.0 49.3 73.9#

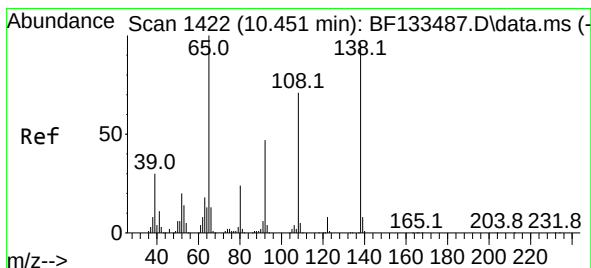
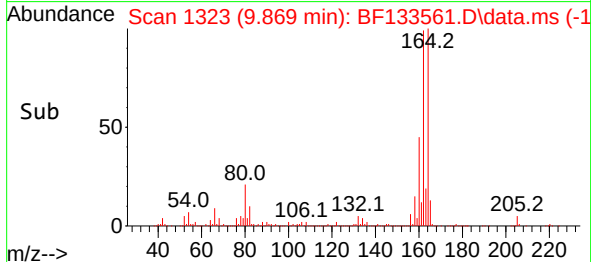
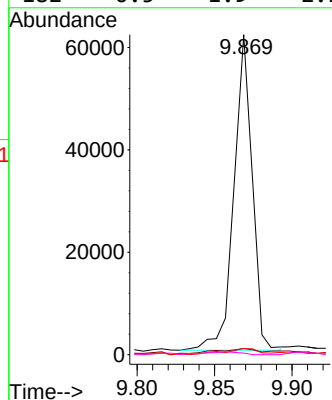
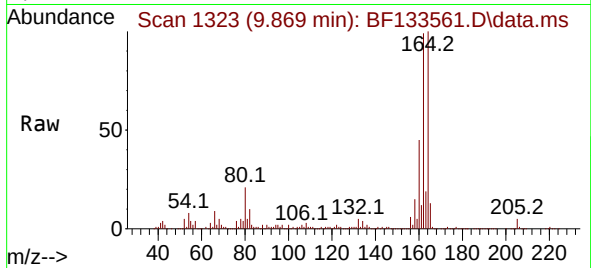




#57
2,4-Dinitrotoluene
Concen: 11.971 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

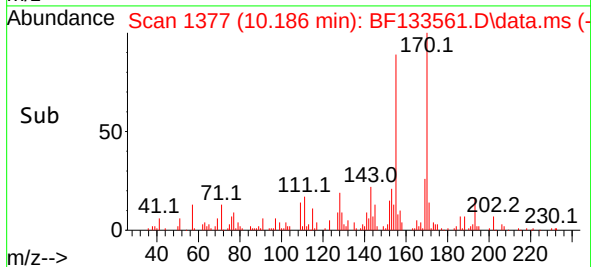
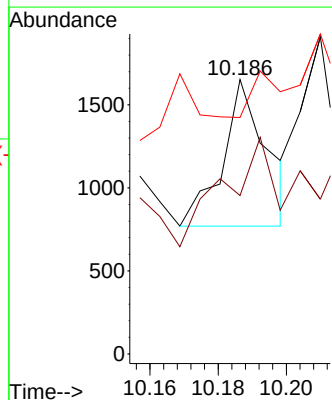
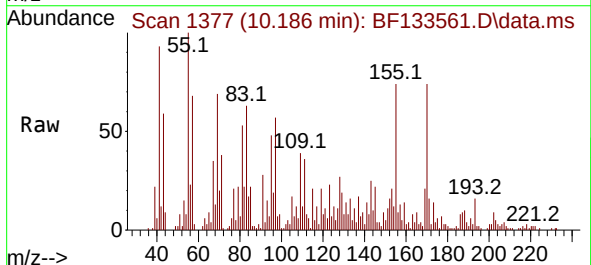
Instrument :
BNA_F
ClientSampleId :
CO-115968DL

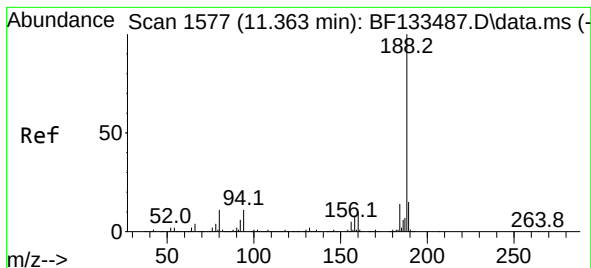
Tgt Ion:165 Resp: 50610
Ion Ratio Lower Upper
165 100
63 2.0 48.1 72.1#
89 1.9 68.4 102.6#
182 0.5 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.100 ng
RT: 10.186 min Scan# 1377
Delta R.T. -0.253 min
Lab File: BF133561.D
Acq: 02 Jun 2023 16:19

Tgt Ion:138 Resp: 791
Ion Ratio Lower Upper
138 100
92 57.7 28.4 68.4
108 86.2 54.2 94.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133561.D

Acq: 02 Jun 2023 16:19

Instrument :

BNA_F

ClientSampleId :

CO-115968DL

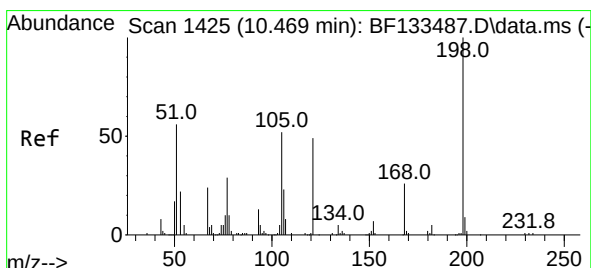
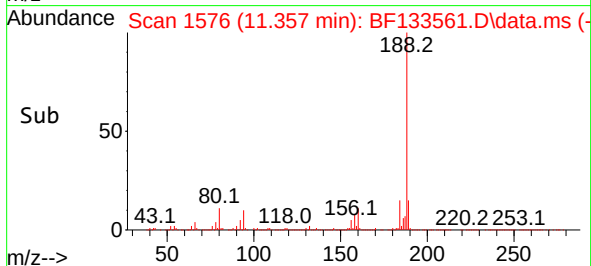
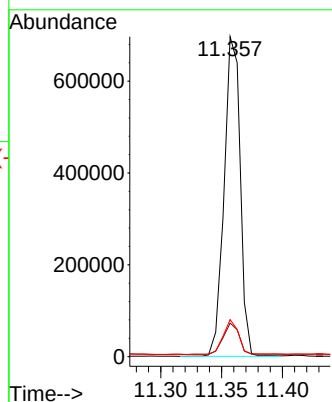
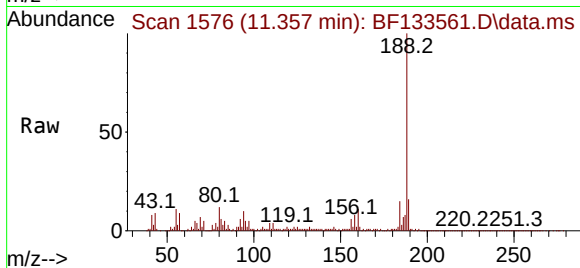
Tgt Ion:188 Resp: 641783

Ion Ratio Lower Upper

188 100

94 10.5 8.6 12.8

80 11.6 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.789 ng

RT: 10.486 min Scan# 1428

Delta R.T. 0.018 min

Lab File: BF133561.D

Acq: 02 Jun 2023 16:19

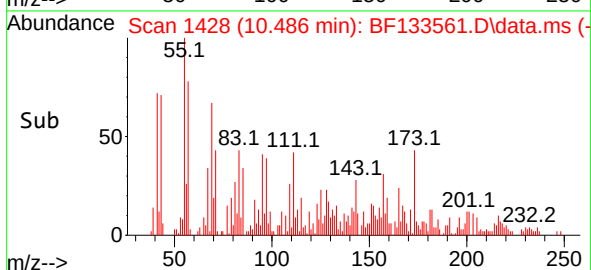
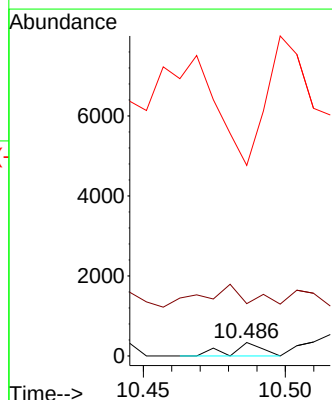
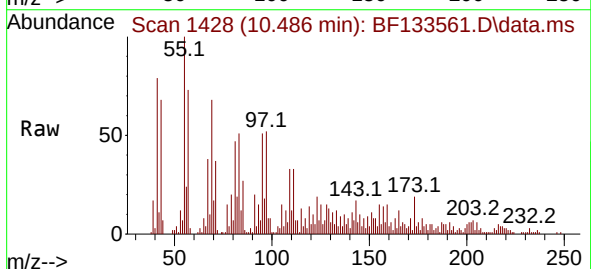
Tgt Ion:198 Resp: 249

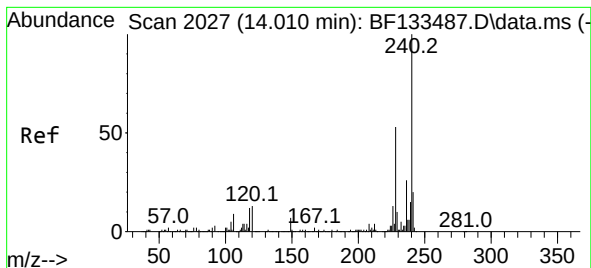
Ion Ratio Lower Upper

198 100

51 389.3 53.6 93.6#

105 1417.3 35.9 75.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF133561.D

Acq: 02 Jun 2023 16:19

Instrument :

BNA_F

ClientSampleId :

CO-115968DL

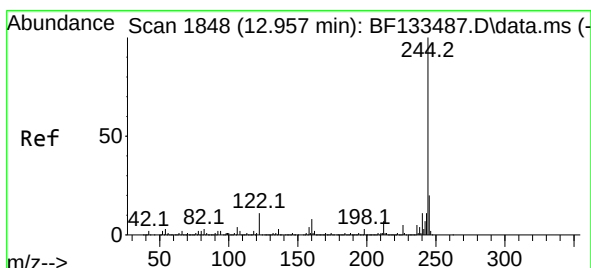
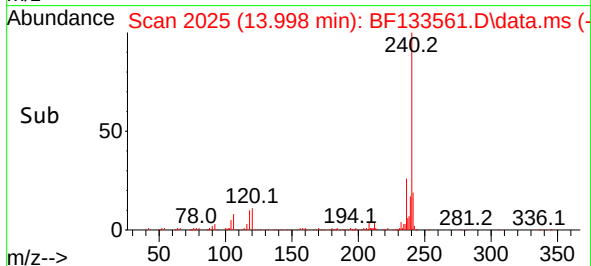
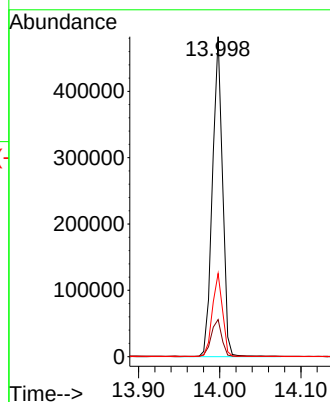
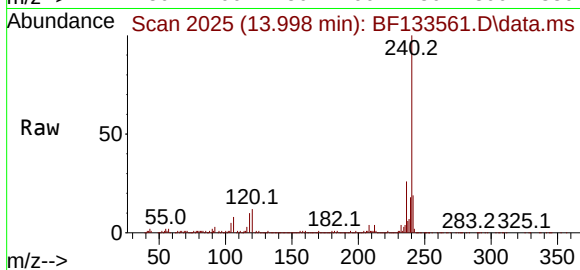
Tgt Ion:240 Resp: 416113

Ion Ratio Lower Upper

240 100

120 11.6 10.3 15.5

236 26.0 20.5 30.7



#79

Terphenyl-d14

Concen: 0.381 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BF133561.D

Acq: 02 Jun 2023 16:19

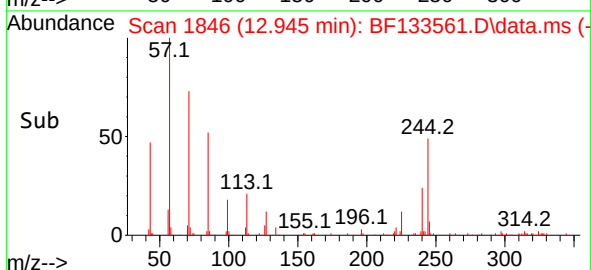
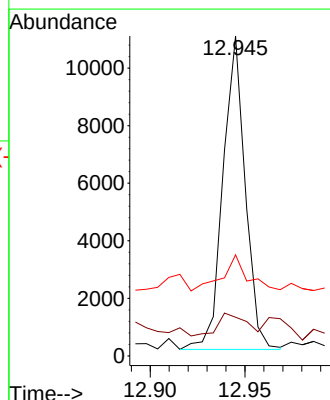
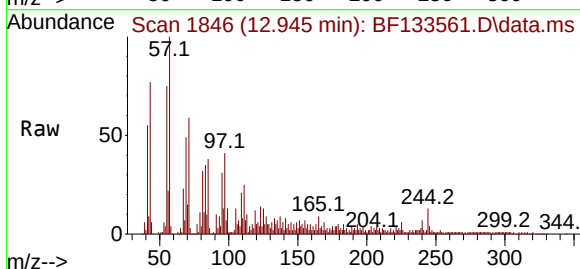
Tgt Ion:244 Resp: 8911

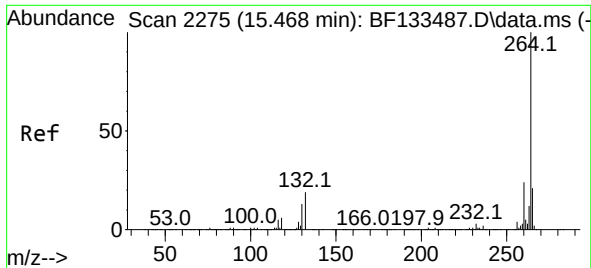
Ion Ratio Lower Upper

244 100

212 12.1 5.8 8.6#

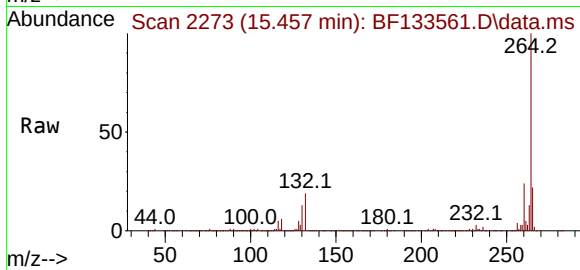
122 31.6 8.5 12.7#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF133561.D
 Acq: 02 Jun 2023 16:19

Instrument :
 BNA_F
 ClientSampleId :
 CO-115968DL



Tgt Ion:264 Resp: 499360
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 21.6 16.8 25.2

