

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133528.D
 Acq On : 30 May 2023 18:22
 Operator : CG\JU
 Sample : 02955-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP03

Quant Time: May 31 05:21:15 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)

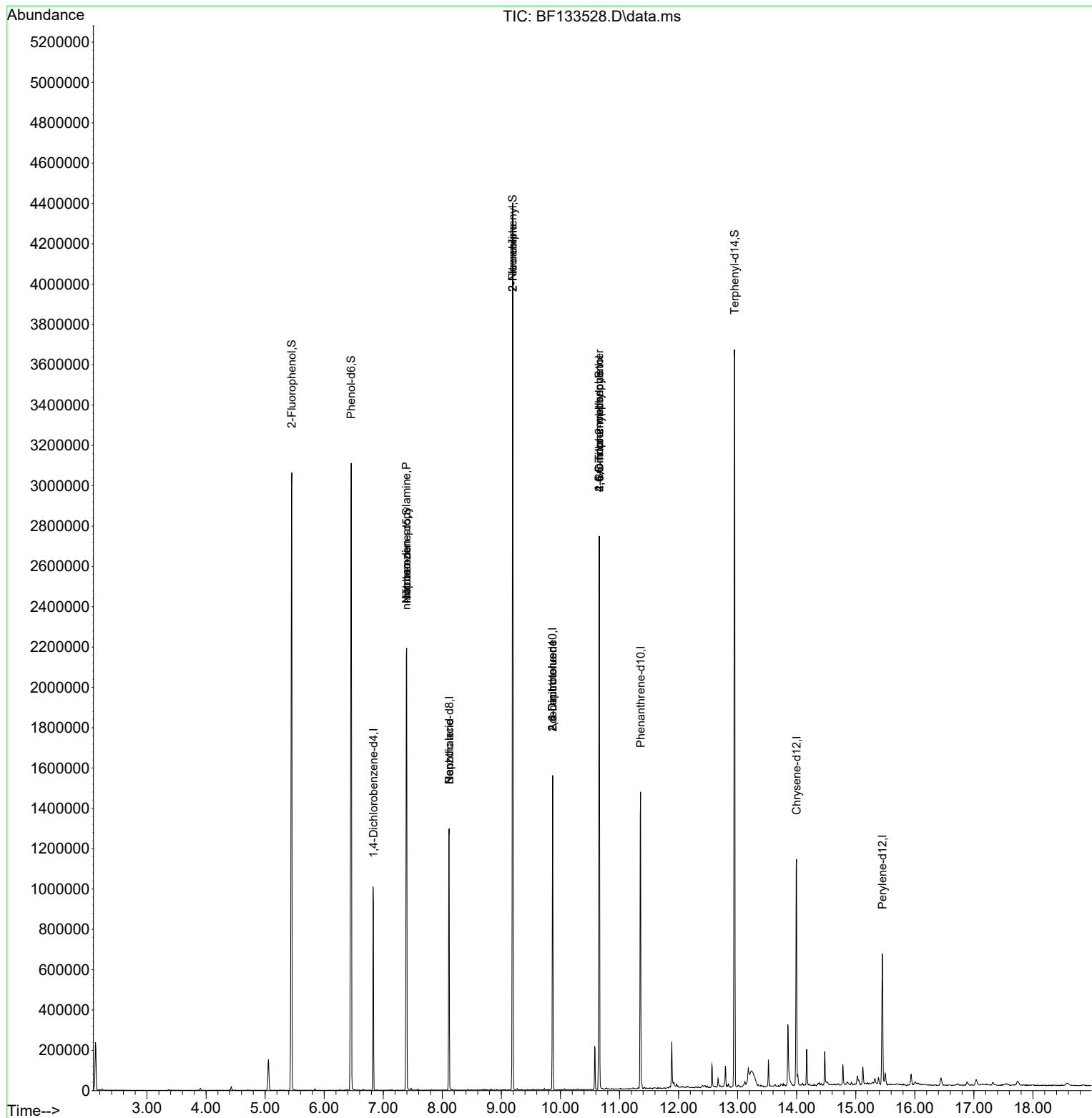
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	148713	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	561616	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	275587	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	534936	20.000	ng	0.00
76) Chrysene-d12	13.998	240	366059	20.000	ng	0.00
86) Perylene-d12	15.451	264	282574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	920126	103.232	ng	0.01
7) Phenol-d6	6.457	99	1135868	103.522	ng	0.00
23) Nitrobenzene-d5	7.398	82	717451	85.295	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	318692	116.011	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1271171	71.193	ng	0.00
79) Terphenyl-d14	12.951	244	1415994	68.776	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.381	77	174	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	98652	13.896	ng	# 82
25) Isophorone	7.398	82	715478	36.498	ng	# 65
32) Benzoic acid	8.116	122	91	7.363	ng	# 1
48) 2-Nitroaniline	9.192	65	2193	4.377	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	35011	12.460	ng	# 17
57) 2,4-Dinitrotoluene	9.869	165	35011	11.648	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	812	9.015	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	19494	3.431	ng	# 1

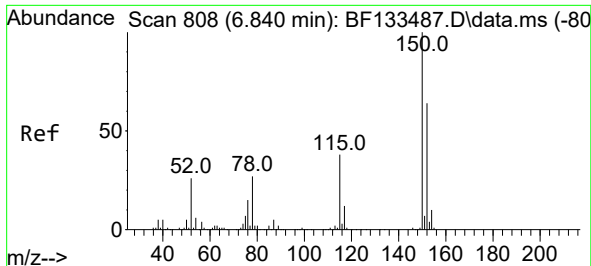
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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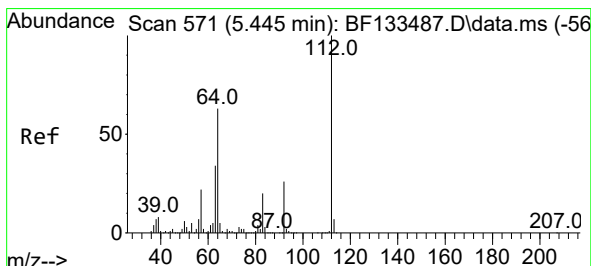
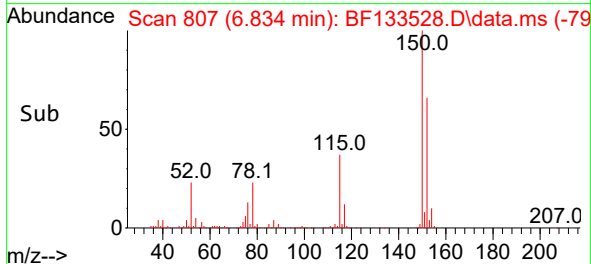
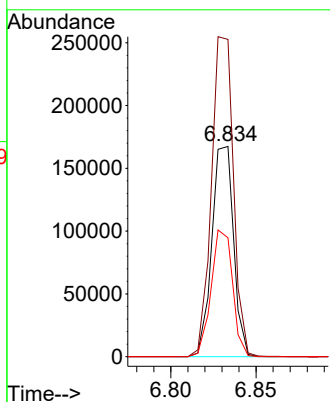
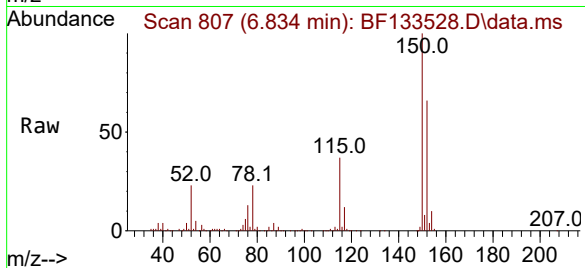




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

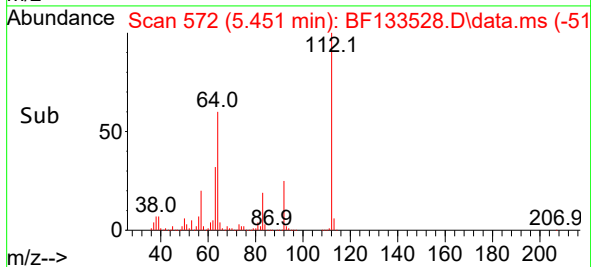
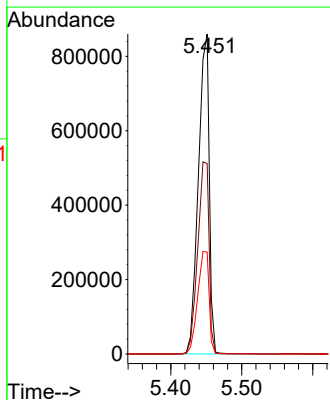
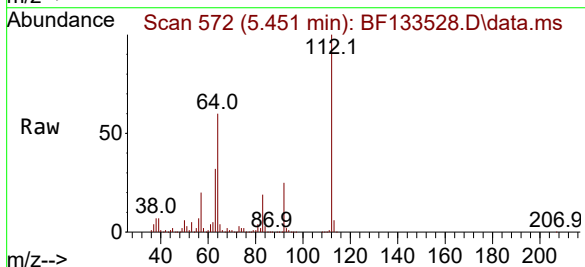
Instrument :
BNA_F
ClientSampleId :
DUP03

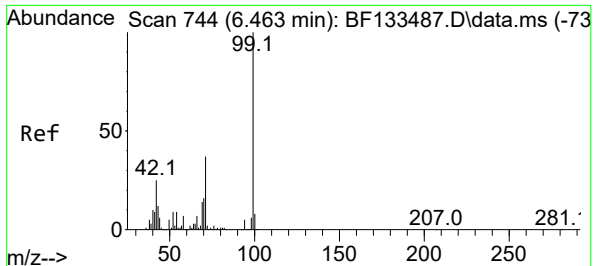
Tgt Ion:152 Resp: 148713
Ion Ratio Lower Upper
152 100
150 150.9 124.9 187.3
115 56.5 48.1 72.1



#5
2-Fluorophenol
Concen: 103.232 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.011 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

Tgt Ion:112 Resp: 920126
Ion Ratio Lower Upper
112 100
64 59.5 50.1 75.1
63 31.8 27.5 41.3

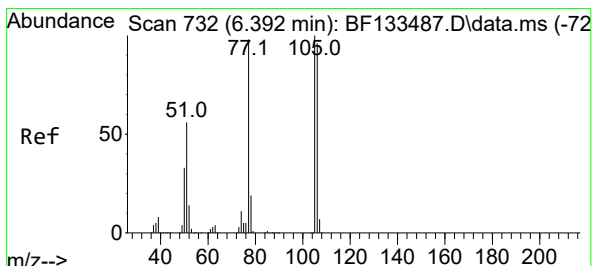
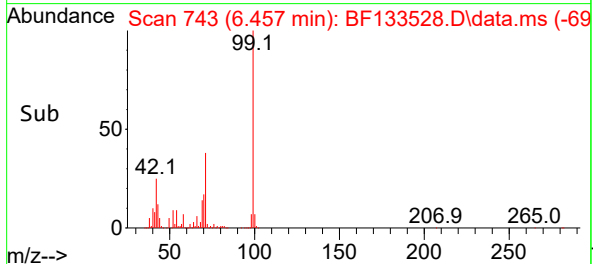
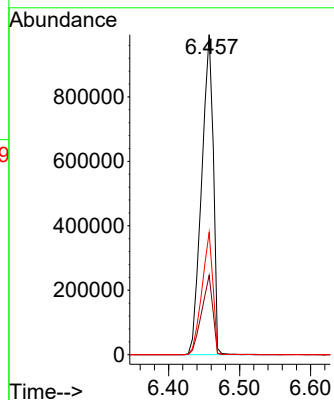
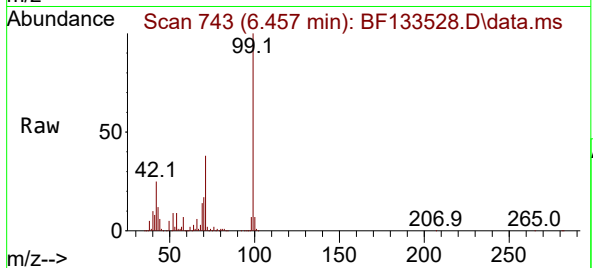




#7
Phenol-d6
Concen: 103.522 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

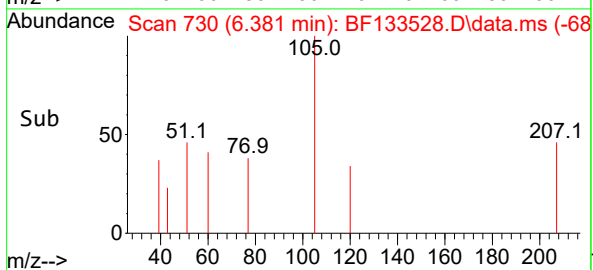
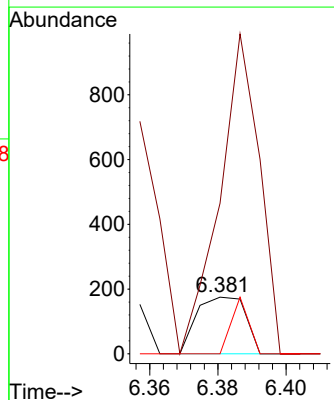
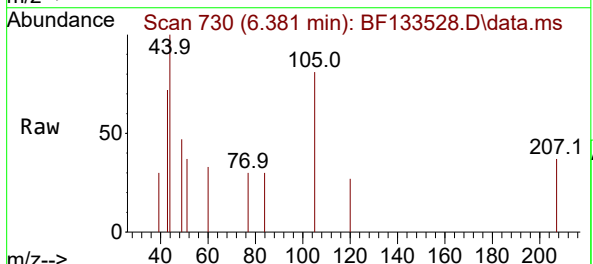
Instrument :
BNA_F
ClientSampleId :
DUP03

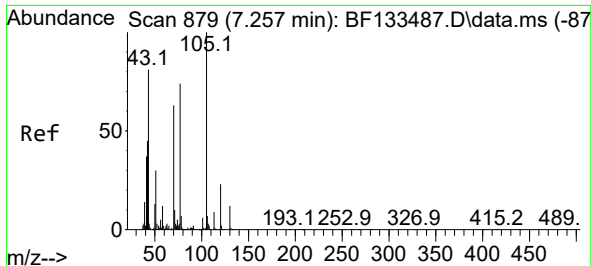
Tgt Ion: 99 Resp: 1135868
Ion Ratio Lower Upper
99 100
42 24.8 19.7 29.5
71 38.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

Tgt Ion: 77 Resp: 174
Ion Ratio Lower Upper
77 100
105 265.7 81.9 121.9#
106 0.0 77.8 117.8#

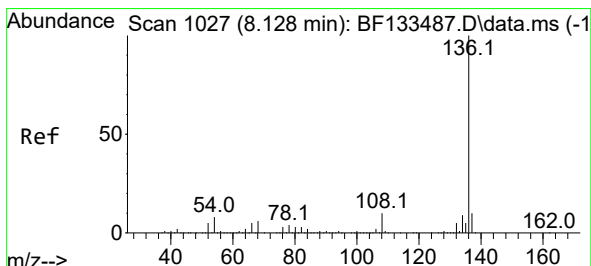
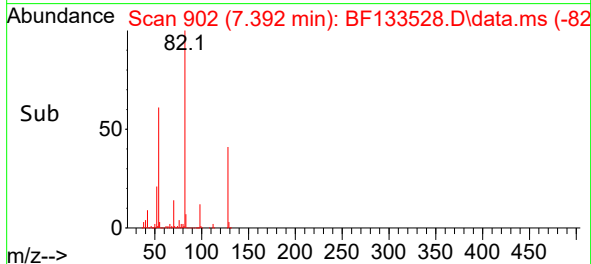
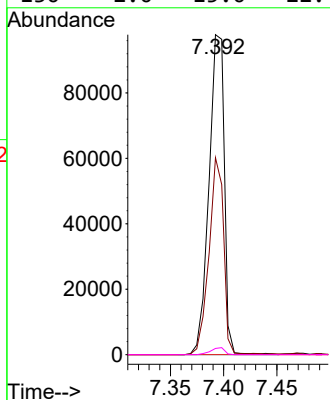
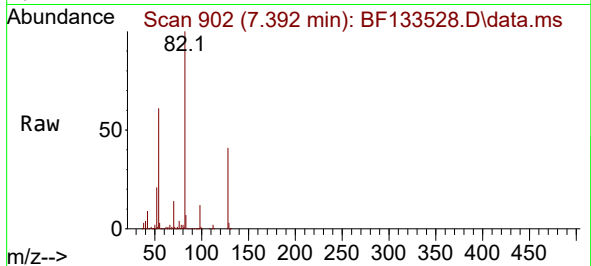




#19
n-Nitroso-di-n-propylamine
Concen: 13.896 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

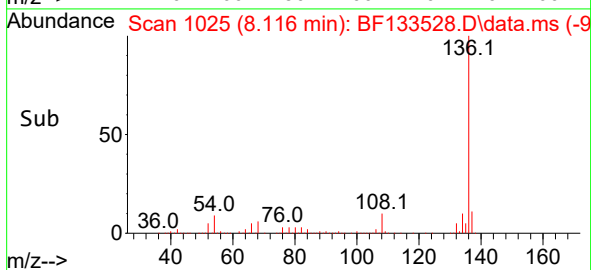
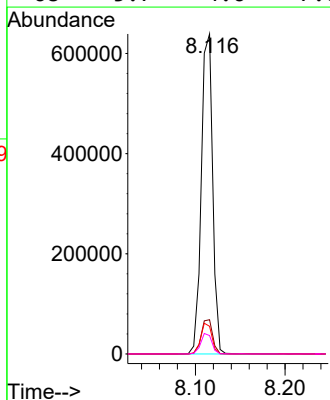
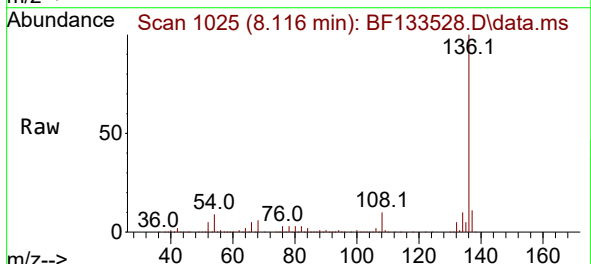
Instrument :
BNA_F
ClientSampleId :
DUP03

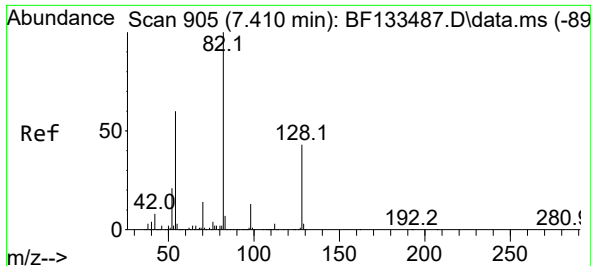
Tgt Ion: 70 Resp: 98652
Ion Ratio Lower Upper
70 100
42 61.5 57.2 85.8
101 0.0 7.3 10.9#
130 2.0 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

Tgt Ion: 136 Resp: 561616
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 8.7 6.6 10.0
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 85.295 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133528.D

Acq: 30 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

DUP03

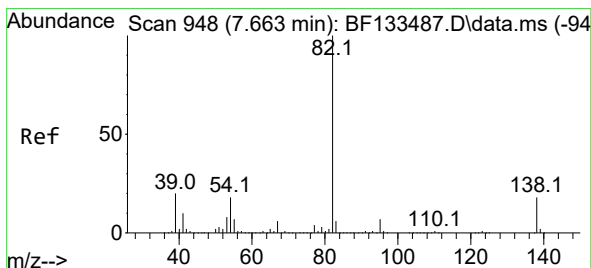
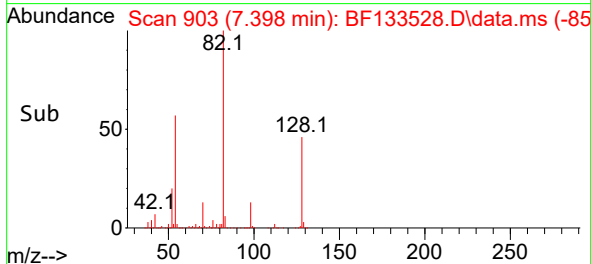
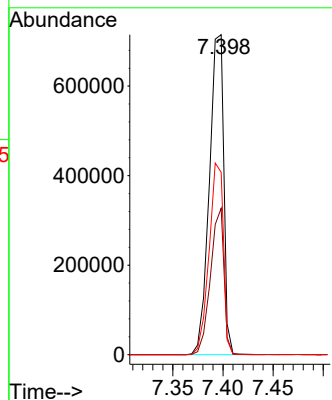
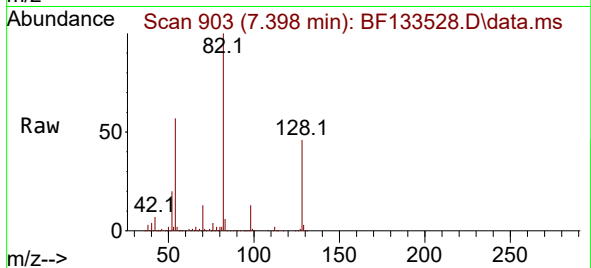
Tgt Ion: 82 Resp: 717451

Ion Ratio Lower Upper

82 100

128 45.7 34.2 51.4

54 57.0 48.2 72.4



#25

Isophorone

Concen: 36.498 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133528.D

Acq: 30 May 2023 18:22

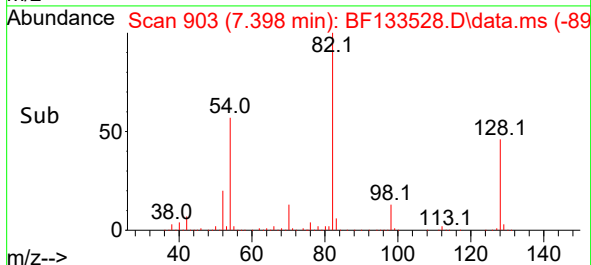
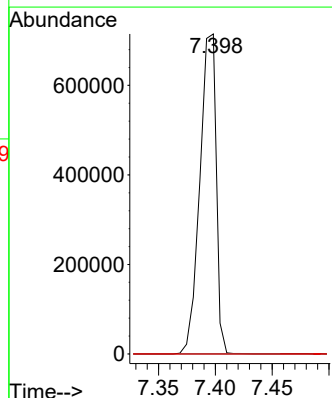
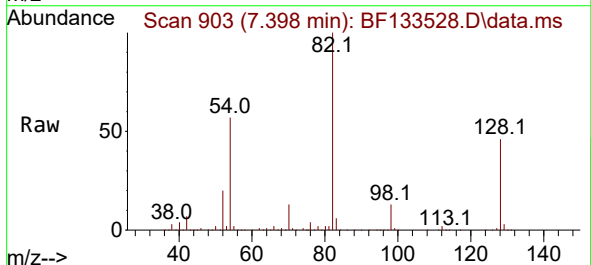
Tgt Ion: 82 Resp: 715478

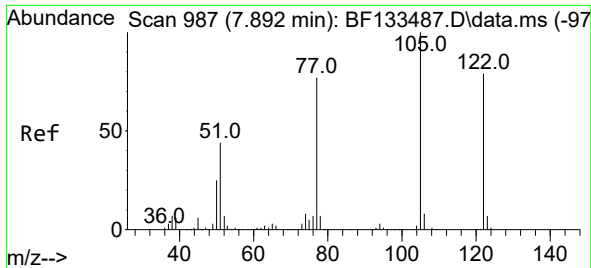
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

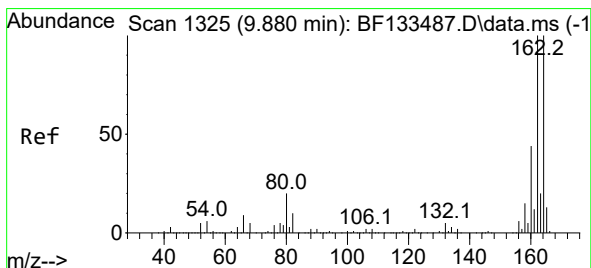
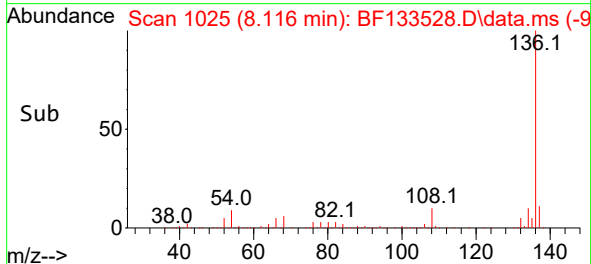
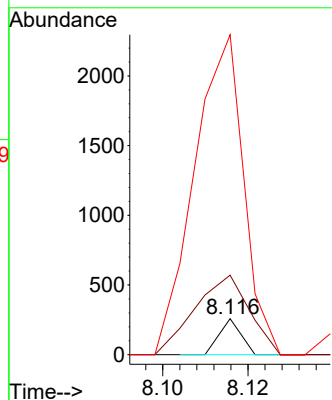
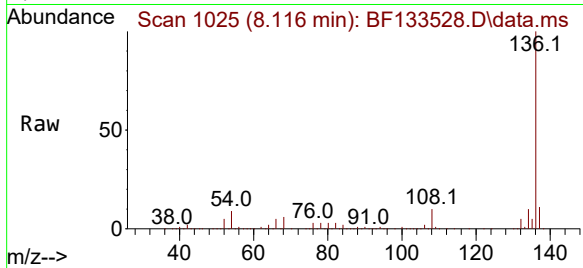




#32
Benzoic acid
Concen: 7.363 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.235 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

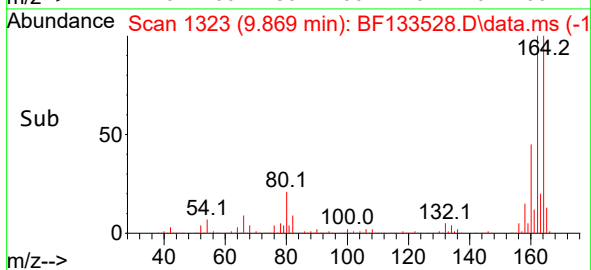
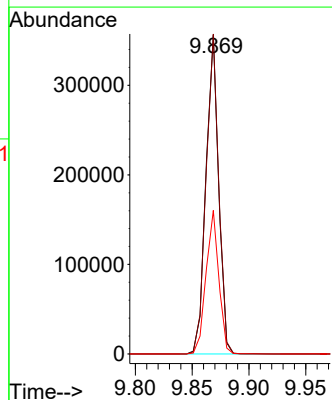
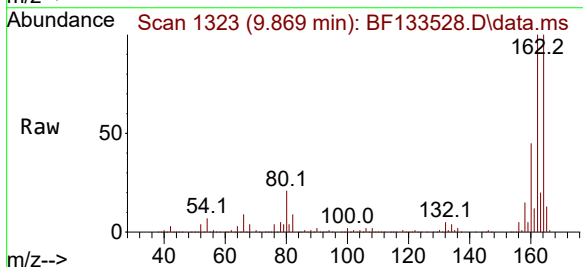
Instrument :
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DUP03

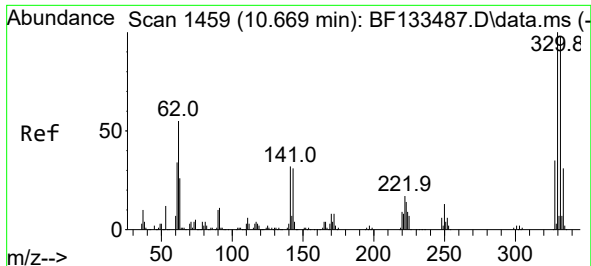
Tgt Ion:122 Resp: 91
Ion Ratio Lower Upper
122 100
105 220.9 103.3 143.3#
77 889.9 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

Tgt Ion:164 Resp: 275587
Ion Ratio Lower Upper
164 100
162 100.4 79.7 119.5
160 45.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 116.011 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133528.D

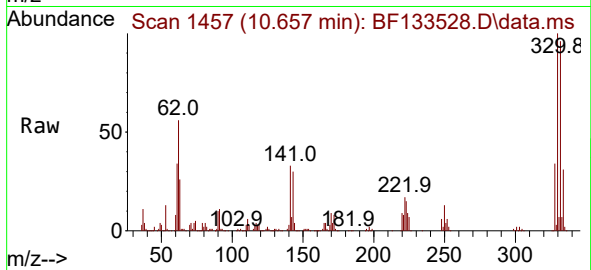
Acq: 30 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

DUP03



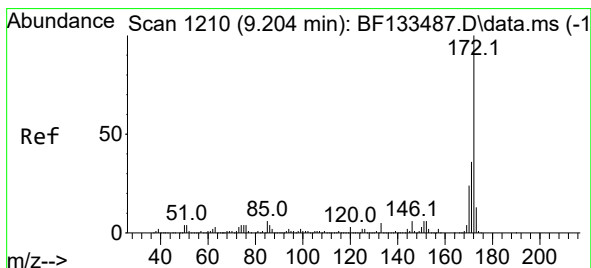
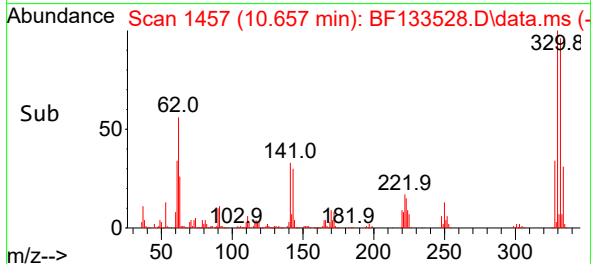
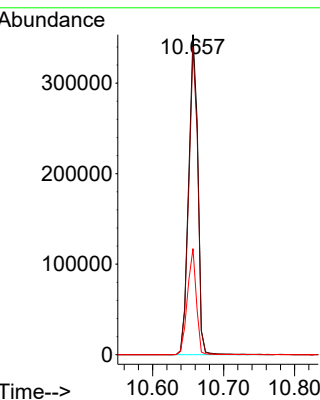
Tgt Ion:330 Resp: 318692

Ion Ratio Lower Upper

330 100

332 95.2 77.8 116.6

141 32.0 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 71.193 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133528.D

Acq: 30 May 2023 18:22

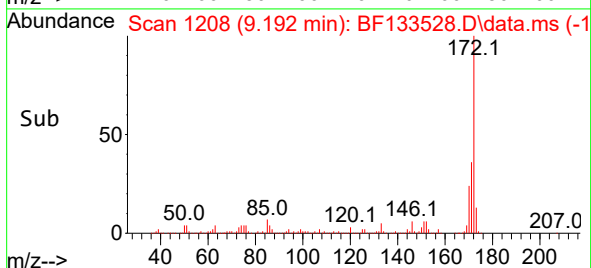
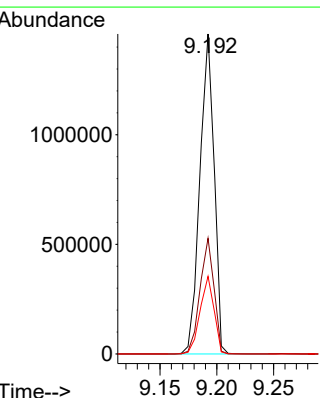
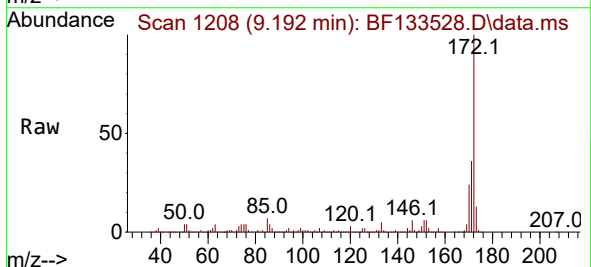
Tgt Ion:172 Resp: 1271171

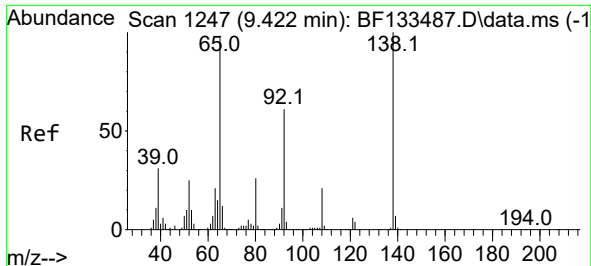
Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 24.2 19.3 28.9

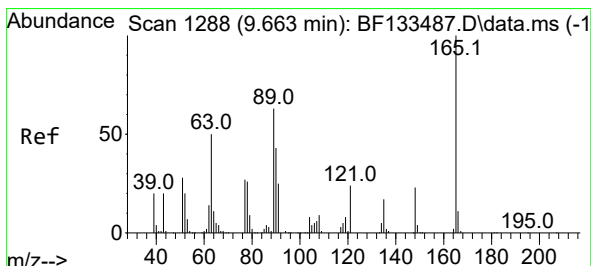
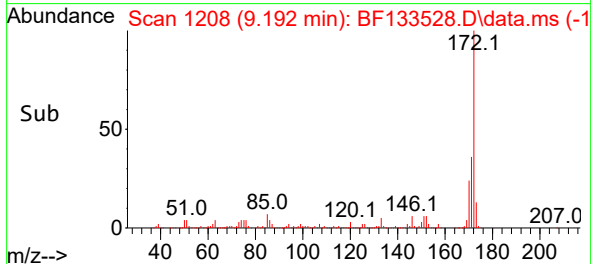
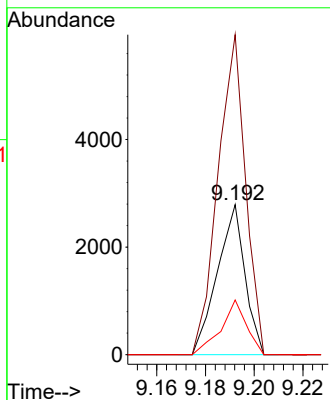
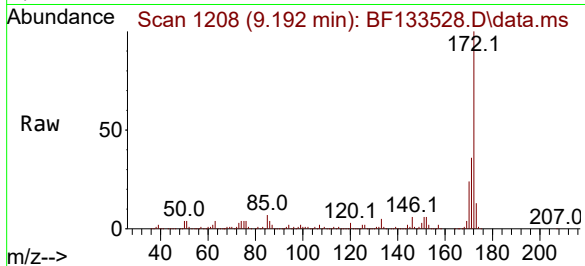




#48
2-Nitroaniline
Concen: 4.377 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

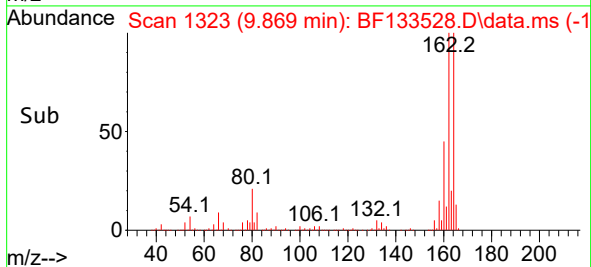
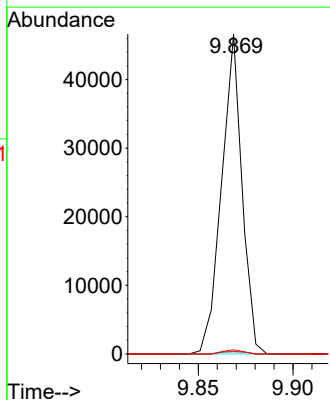
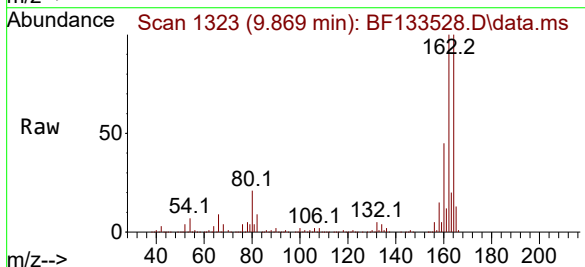
Instrument :
BNA_F
ClientSampleId :
DUP03

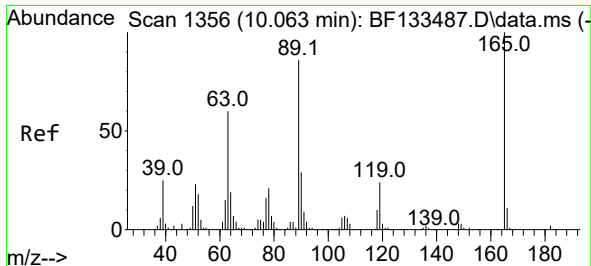
Tgt Ion: 65 Resp: 2193
Ion Ratio Lower Upper
65 100
92 213.2 50.8 76.2#
138 36.5 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.460 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.211 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

Tgt Ion: 165 Resp: 35011
Ion Ratio Lower Upper
165 100
63 0.7 57.0 85.4#
89 1.3 50.8 76.2#

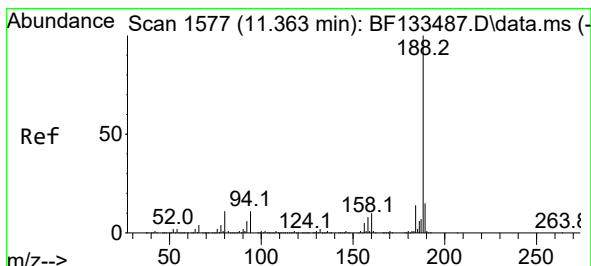
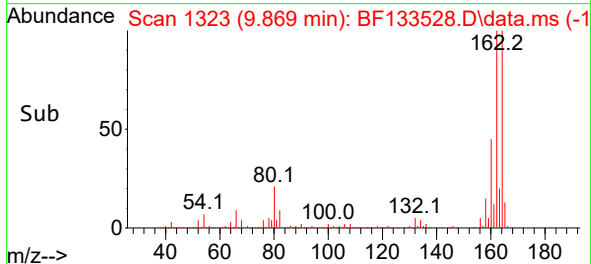
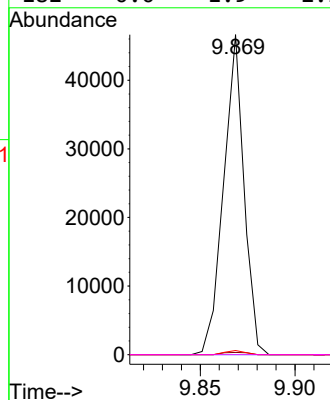
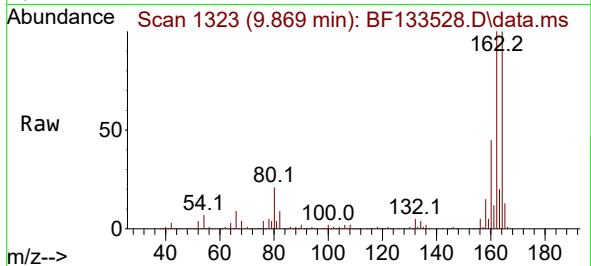




#57
2,4-Dinitrotoluene
Concen: 11.648 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

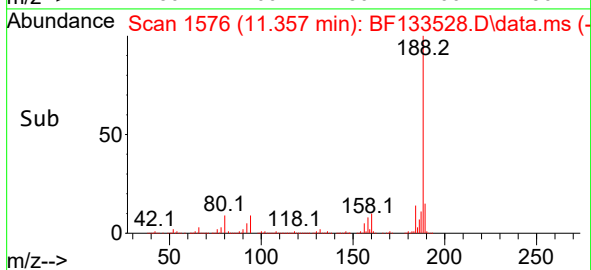
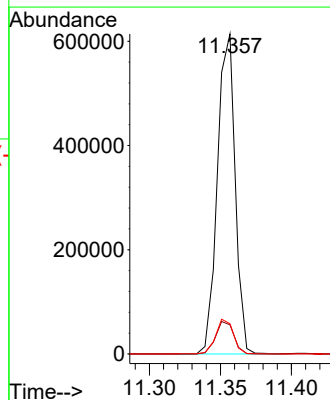
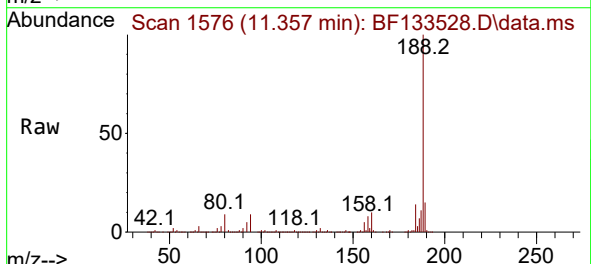
Instrument :
BNA_F
ClientSampleId :
DUP03

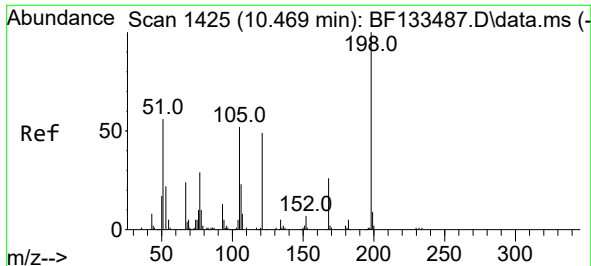
Tgt Ion:165 Resp: 35011
Ion Ratio Lower Upper
165 100
63 0.7 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

Tgt Ion:188 Resp: 534936
Ion Ratio Lower Upper
188 100
94 9.1 8.6 12.8
80 9.4 9.2 13.8

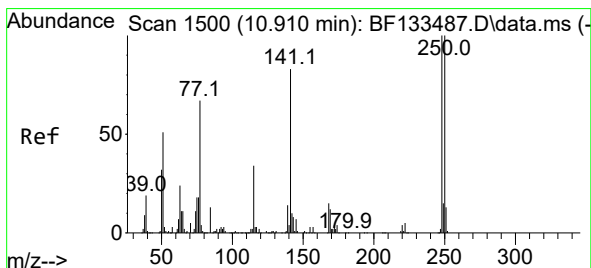
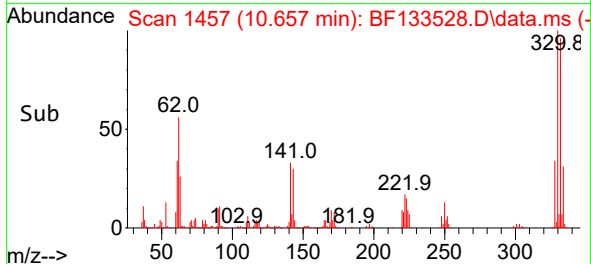
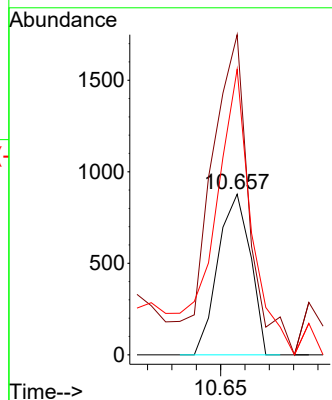
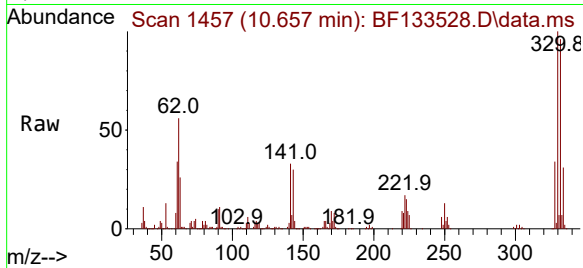




#65
4,6-Dinitro-2-methylphenol
Concen: 9.015 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

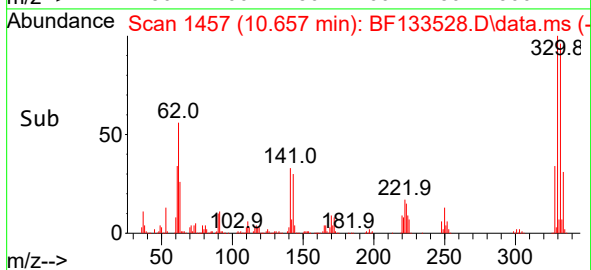
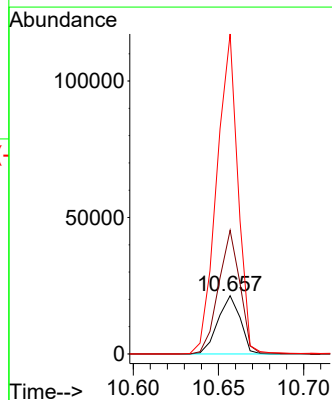
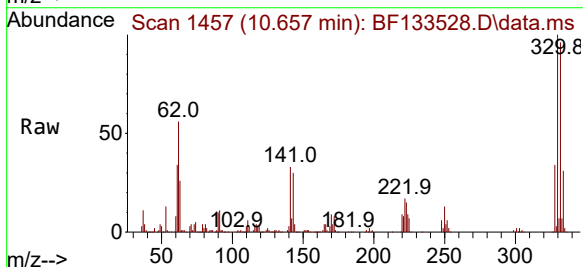
Instrument :
BNA_F
ClientSampleId :
DUP03

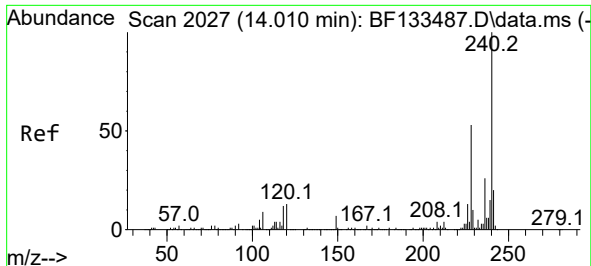
Tgt Ion:198 Resp: 812
Ion Ratio Lower Upper
198 100
51 199.4 53.6 93.6#
105 177.9 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 3.431 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

Tgt Ion:248 Resp: 19494
Ion Ratio Lower Upper
248 100
250 212.3 79.7 119.5#
141 549.3 66.6 100.0#

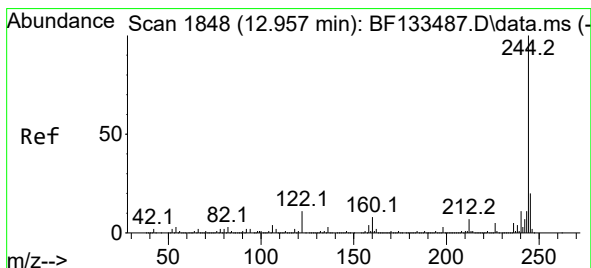
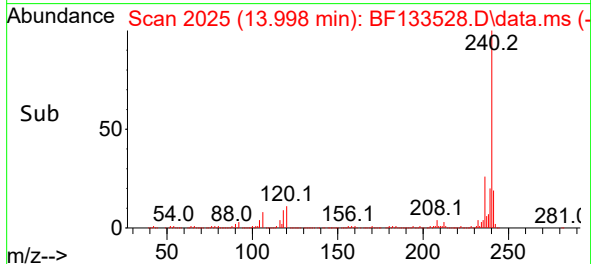
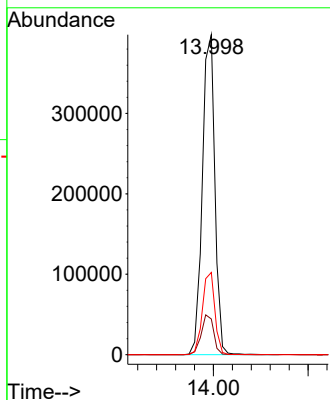
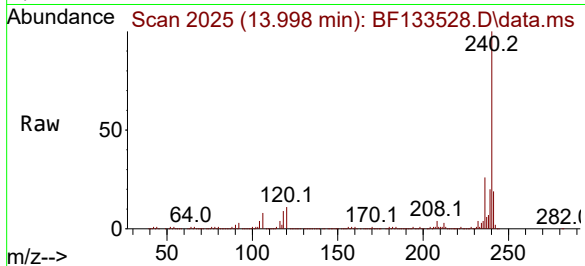




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

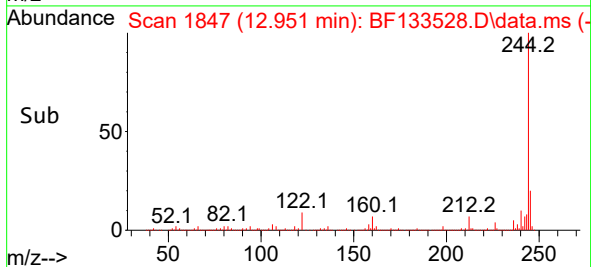
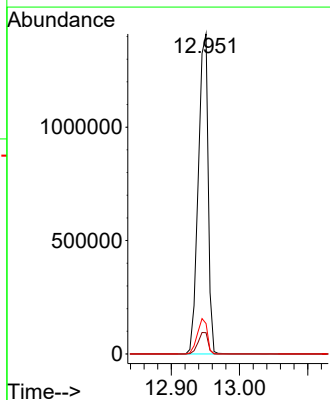
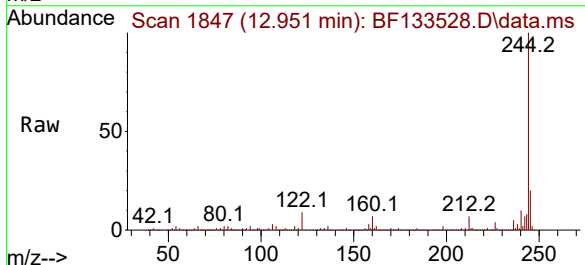
Instrument :
BNA_F
ClientSampleId :
DUP03

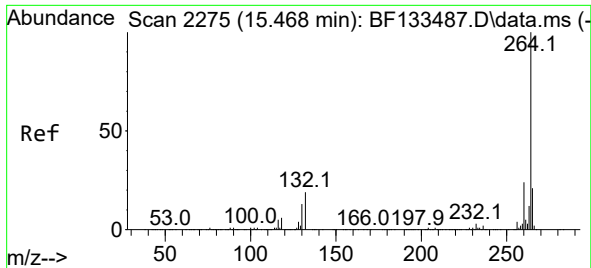
Tgt Ion:240 Resp: 366059
Ion Ratio Lower Upper
240 100
120 11.2 10.3 15.5
236 25.7 20.5 30.7



#79
Terphenyl-d14
Concen: 68.776 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF133528.D
Acq: 30 May 2023 18:22

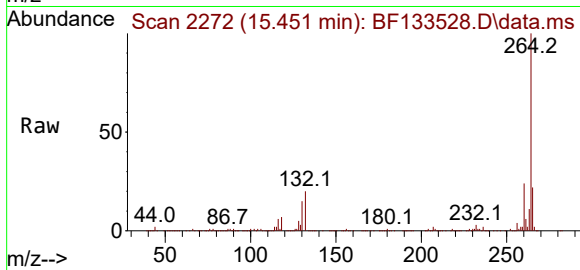
Tgt Ion:244 Resp: 1415994
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 9.5 8.5 12.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133528.D
 Acq: 30 May 2023 18:22

Instrument :
 BNA_F
 ClientSampleId :
 DUP03



Tgt Ion:264 Resp: 282574
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 22.0 16.8 25.2

