

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133228.D
 Acq On : 04 May 2023 13:44
 Operator : CG\JU
 Sample : 02588-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-C-6-9-05012023

Quant Time: May 04 14:29:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

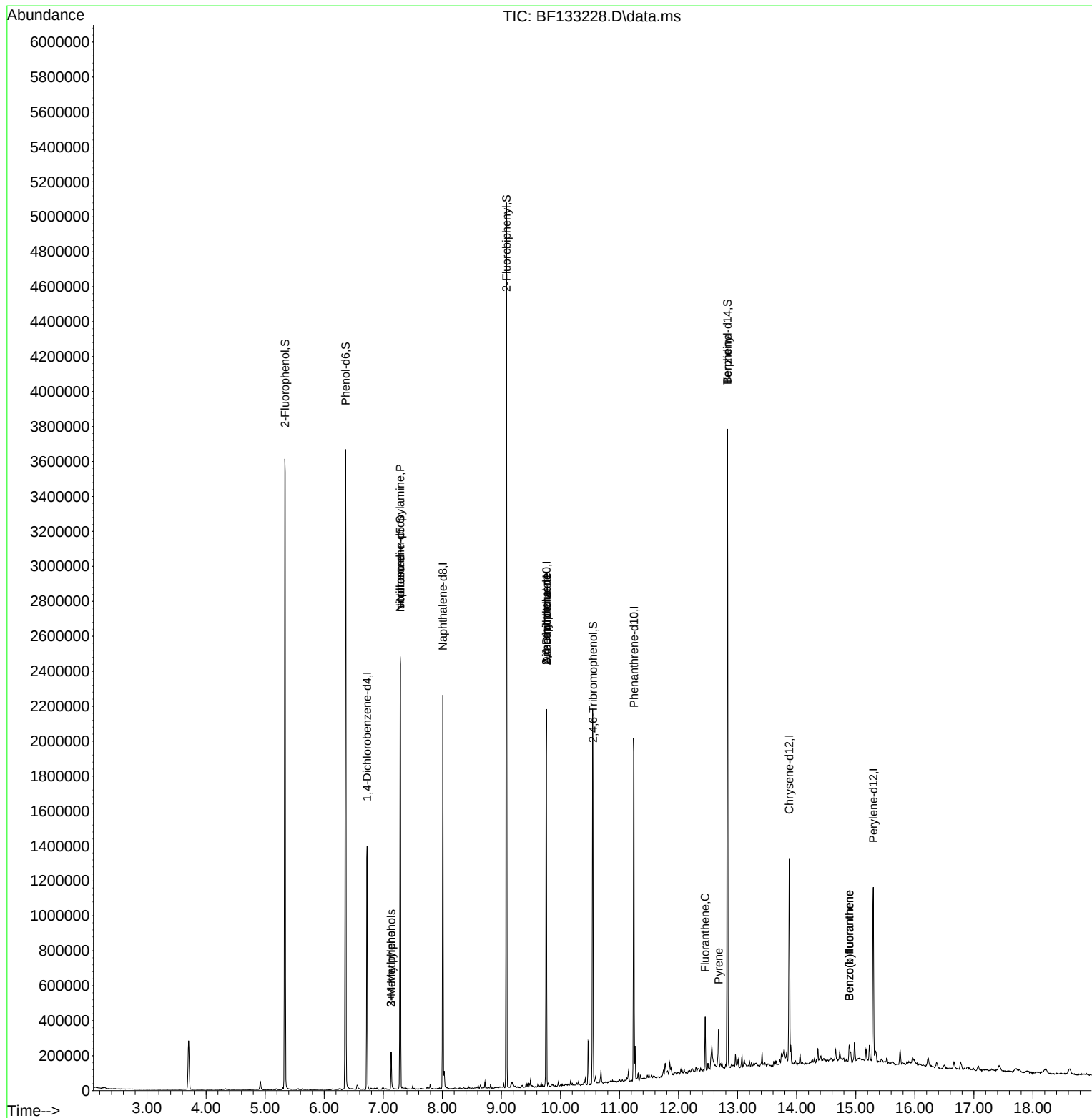
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	203358	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	827533	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	422661	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	719789	20.000	ng	# 0.00
76) Chrysene-d12	13.874	240	354192	20.000	ng	-0.01
86) Perylene-d12	15.298	264	438094	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1105595	82.127	ng	0.00
7) Phenol-d6	6.363	99	1347660	80.654	ng	-0.01
23) Nitrobenzene-d5	7.287	82	792125	51.667	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	246514	57.994	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1410379	55.826	ng	0.00
79) Terphenyl-d14	12.827	244	1253530	61.038	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.269	77	1368	Below Cal	#	64
17) 2-Methylphenol	7.134	107	50762	4.056 ng	#	70
19) n-Nitroso-di-n-propyla...	7.287	70	104916	10.086 ng	#	77
20) 3+4-Methylphenols	7.134	107	50762	3.444 ng	#	57
25) Isophorone	7.287	82	790485	27.156 ng	#	63
50) Dimethylphthalate	9.763	163	88275	2.995 ng	#	1
51) 2,6-Dinitrotoluene	9.763	165	55674	8.393 ng	#	25
57) 2,4-Dinitrotoluene	9.763	165	55674	6.581 ng	#	23
75) Fluoranthene	12.451	202	106506	2.743 ng		96
77) Benzidine	12.827	184	15694	2.620 ng	#	95
78) Pyrene	12.680	202	92150	3.035 ng		99
88) Benzo(b)fluoranthene	14.892	252	67262	2.413 ng		96
89) Benzo(k)fluoranthene	14.892	252	67262	2.435 ng		96

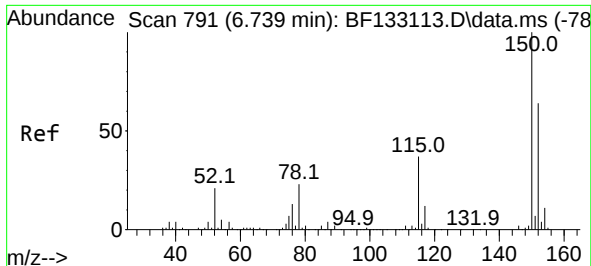
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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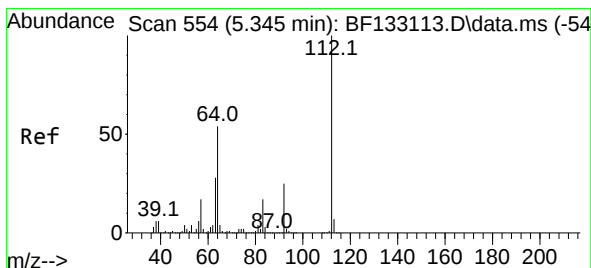
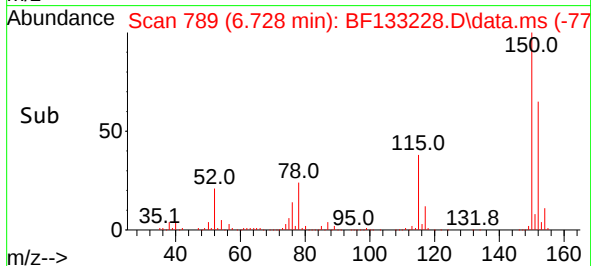
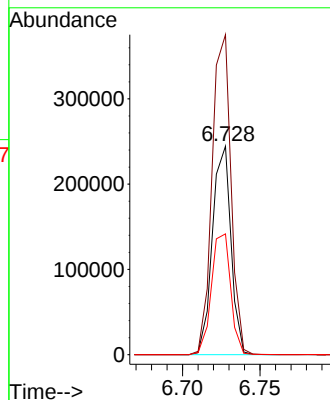
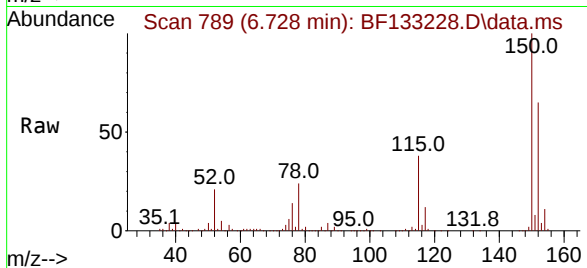




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

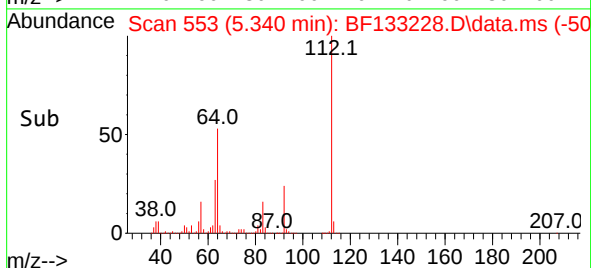
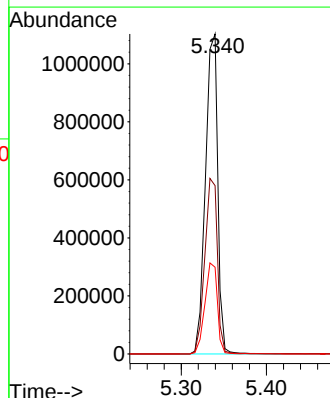
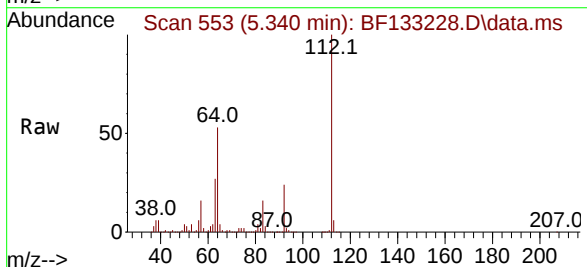
Instrument :
BNA_F
ClientSampleId :
ZONE-C-6-9-05012023

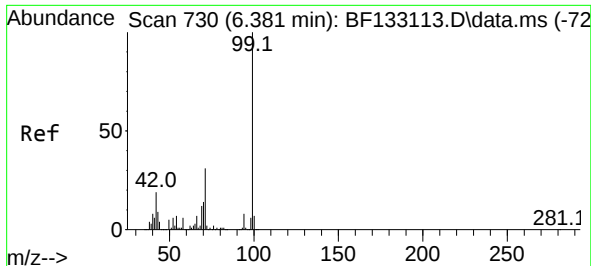
Tgt Ion:152 Resp: 203358
Ion Ratio Lower Upper
152 100
150 153.5 124.8 187.2
115 57.9 49.9 74.9



#5
2-Fluorophenol
Concen: 82.127 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Tgt Ion:112 Resp: 1105595
Ion Ratio Lower Upper
112 100
64 52.6 46.8 70.2
63 27.1 23.8 35.8



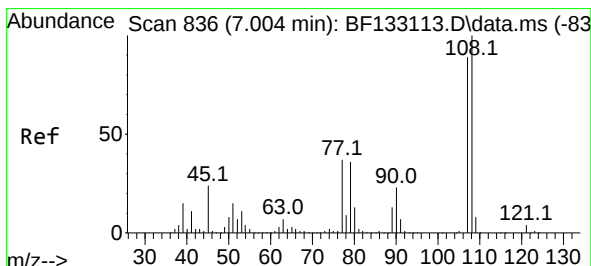
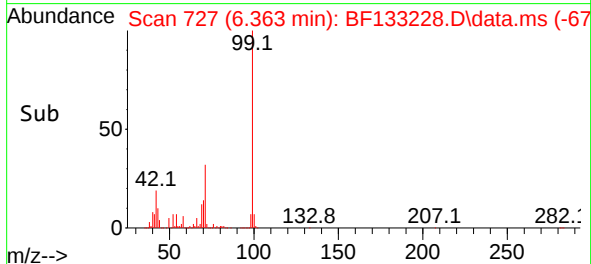
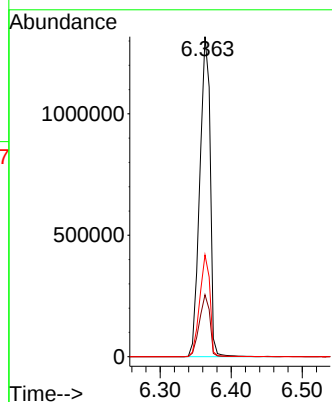
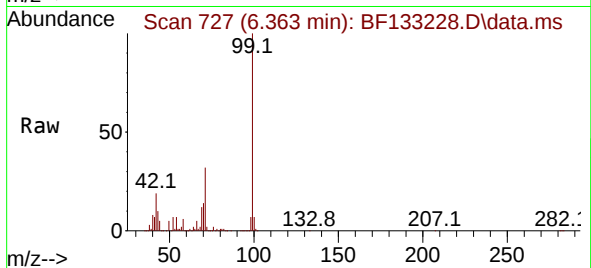


#7
Phenol-d6
Concen: 80.654 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Instrument :
BNA_F
ClientSampleId :
ZONE-C-6-9-05012023

Tgt Ion: 99 Resp: 1347660

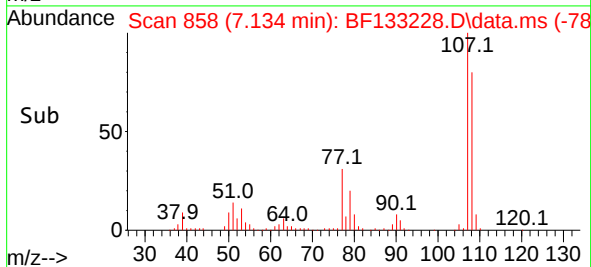
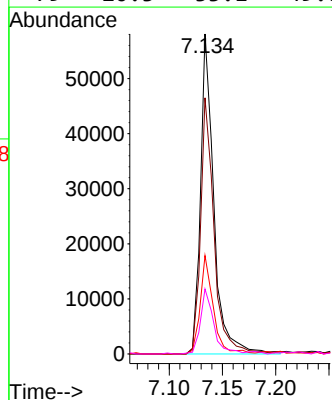
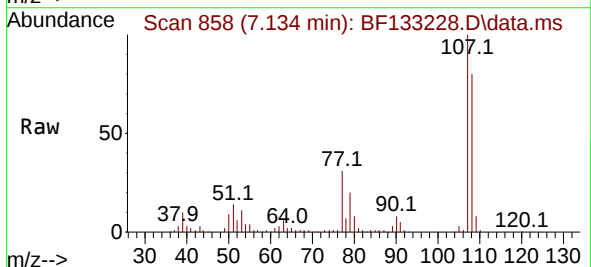
Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.3	24.5
71	31.8	25.6	38.4

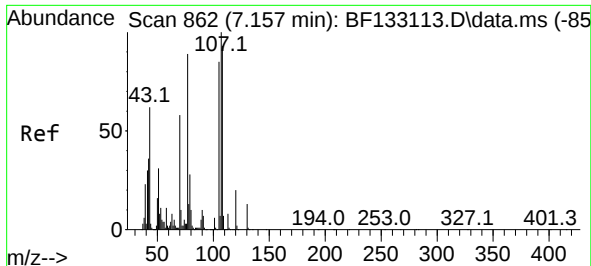


#17
2-Methylphenol
Concen: 4.056 ng
RT: 7.134 min Scan# 858
Delta R.T. 0.141 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Tgt Ion: 107 Resp: 50762

Ion	Ratio	Lower	Upper
107	100		
108	80.0	92.4	138.6#
77	30.8	33.8	50.8#
79	20.3	33.1	49.7#

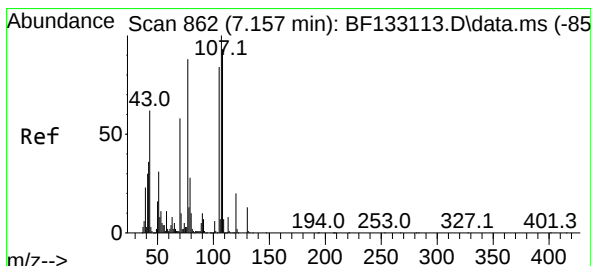
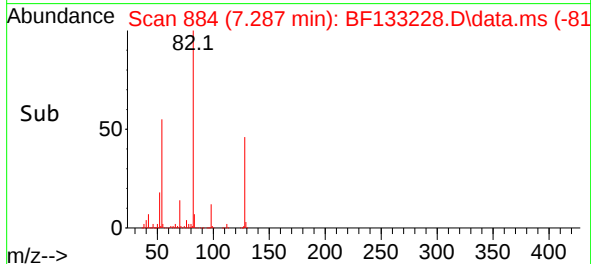
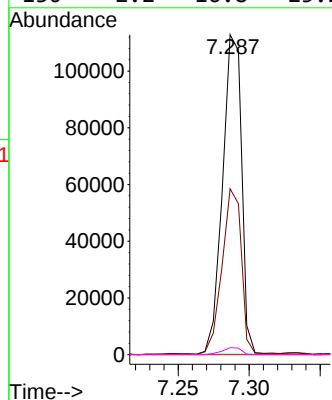
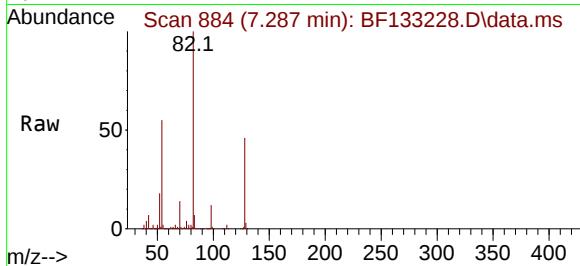




#19
n-Nitroso-di-n-propylamine
Concen: 10.086 ng
RT: 7.287 min Scan# 81
Delta R.T. 0.135 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

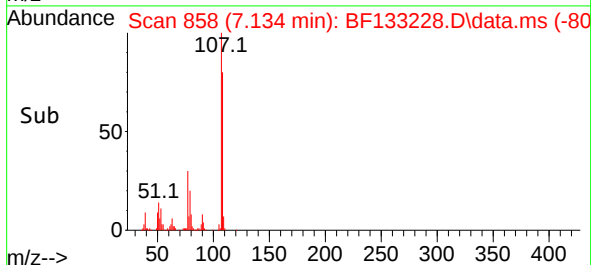
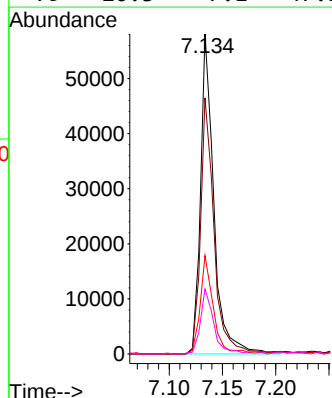
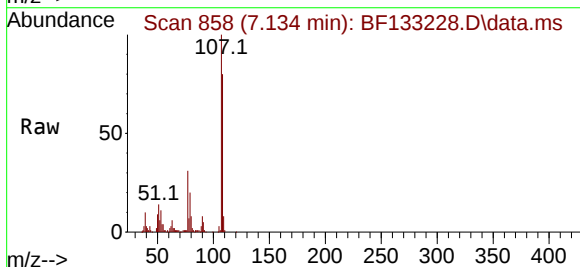
Instrument :
BNA_F
ClientSampleId :
ZONE-C-6-9-05012023

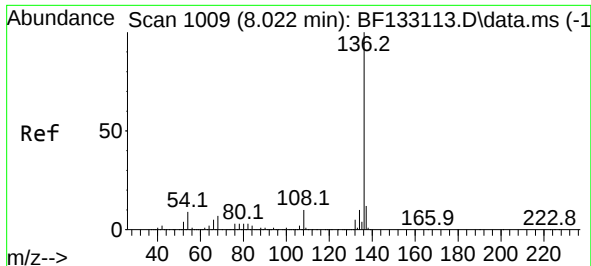
Tgt Ion:	70	Resp:	104916
Ion	Ratio	Lower	Upper
70	100		
42	51.9	51.8	77.6
101	0.0	8.0	12.0#
130	2.2	16.8	25.2#



#20
3+4-Methylphenols
Concen: 3.444 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Tgt Ion:	107	Resp:	50762
Ion	Ratio	Lower	Upper
107	100		
108	80.0	70.5	110.5
77	30.8	91.7	131.7#
79	20.3	7.1	47.1

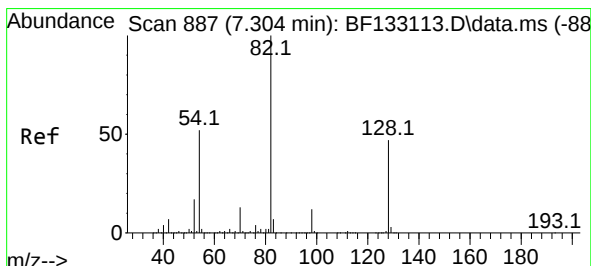
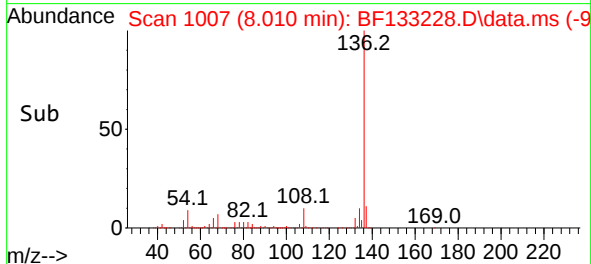
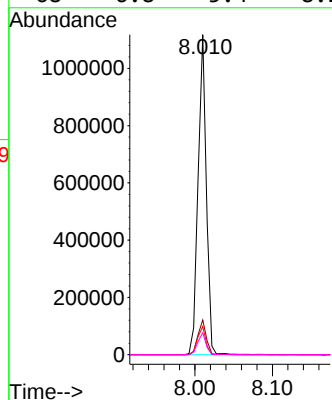
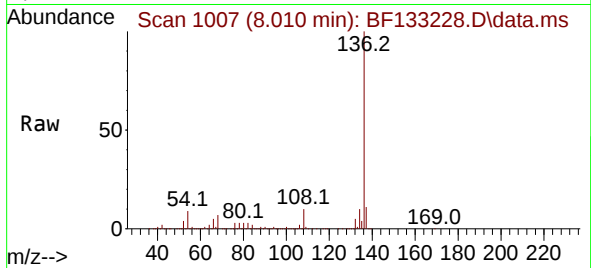




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

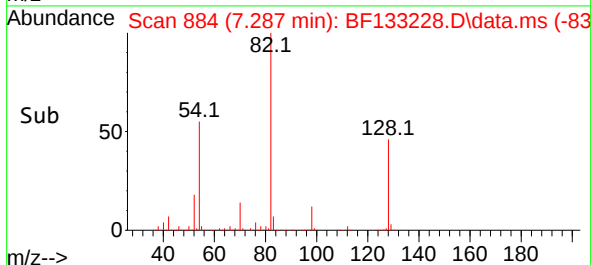
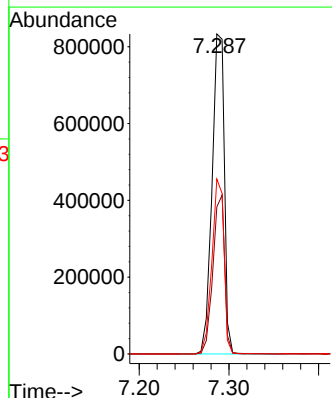
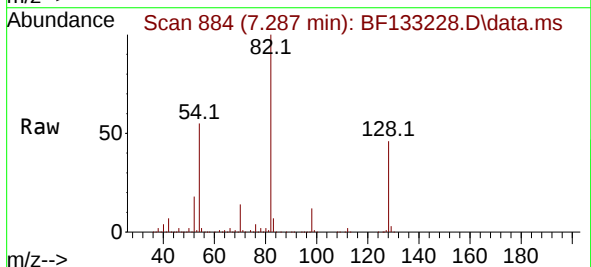
Instrument :
BNA_F
ClientSampleId :
ZONE-C-6-9-05012023

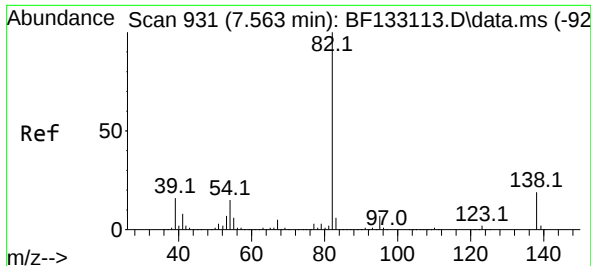
Tgt Ion:136 Resp: 827533
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 7.0 10.4
68 6.8 5.4 8.2



#23
Nitrobenzene-d5
Concen: 51.667 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Tgt Ion: 82 Resp: 792125
Ion Ratio Lower Upper
82 100
128 45.9 37.7 56.5
54 54.6 43.0 64.4

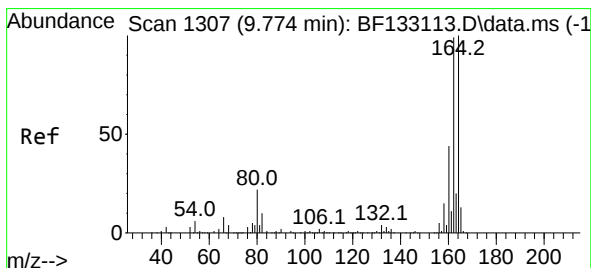
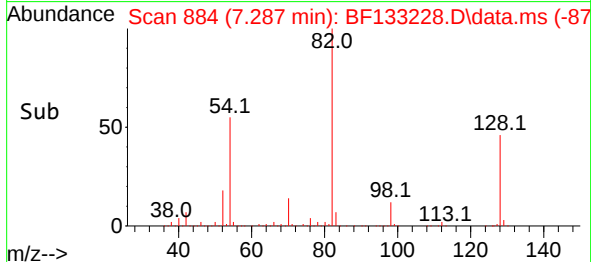
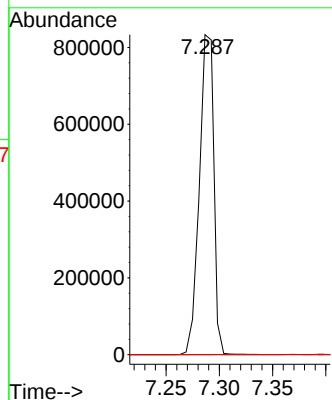
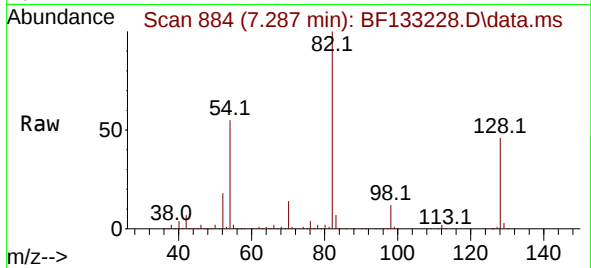




#25
Isophorone
Concen: 27.156 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

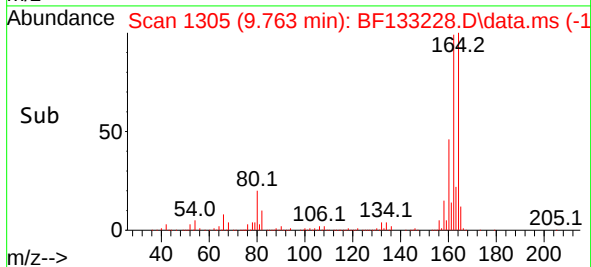
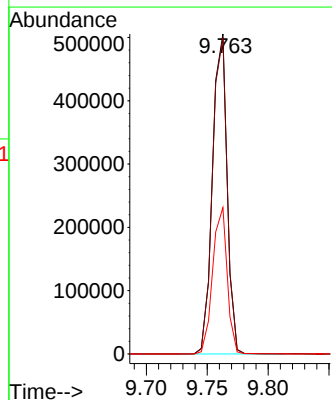
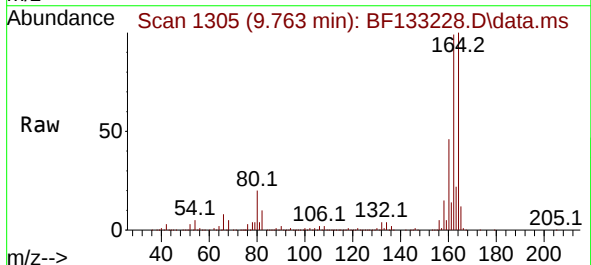
Instrument :
BNA_F
ClientSampleId :
ZONE-C-6-9-05012023

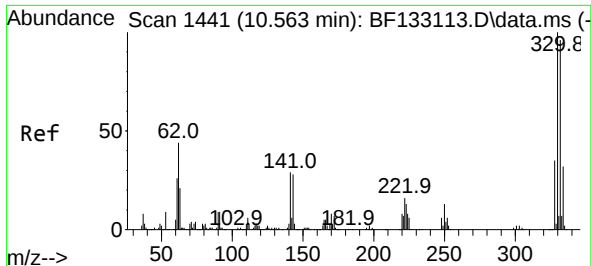
Tgt Ion: 82 Resp: 790485
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Tgt Ion:164 Resp: 422661
Ion Ratio Lower Upper
164 100
162 98.8 78.7 118.1
160 45.7 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 57.994 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133228.D

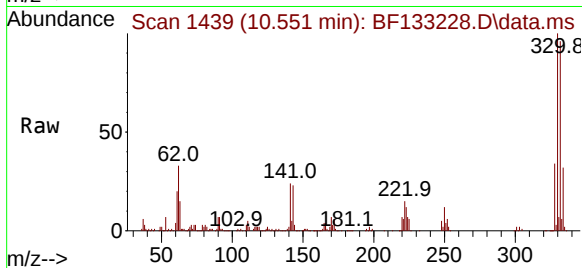
Acq: 04 May 2023 13:44

Instrument :

BNA_F

ClientSampleId :

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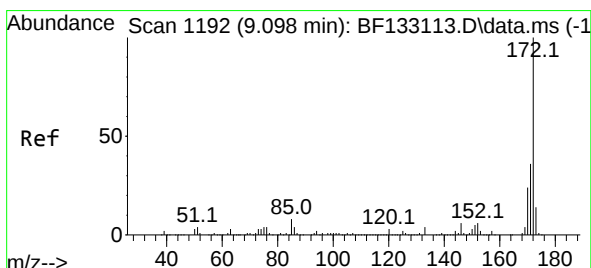
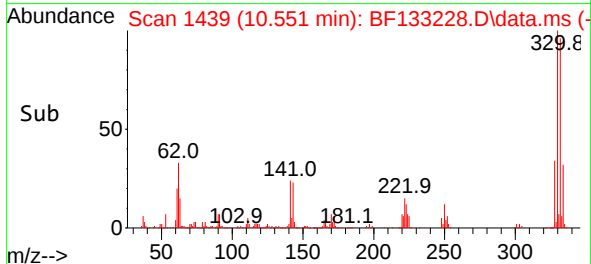
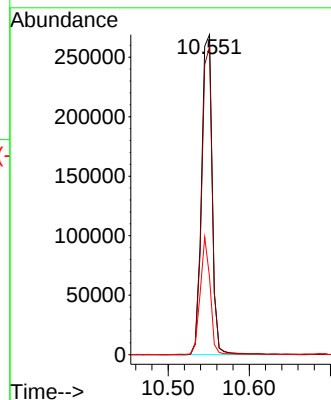
Tgt Ion:330 Resp: 246514

Ion Ratio Lower Upper

330 100

332 95.2 77.1 115.7

141 34.2 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 55.826 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF133228.D

Acq: 04 May 2023 13:44

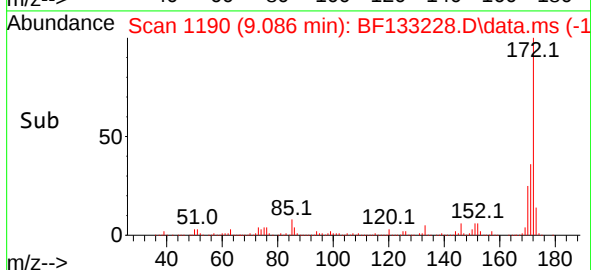
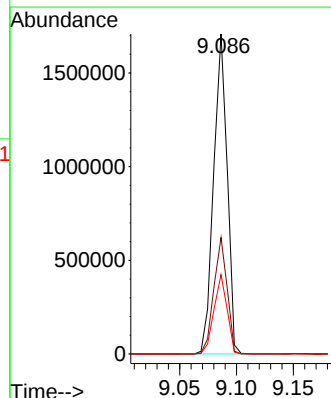
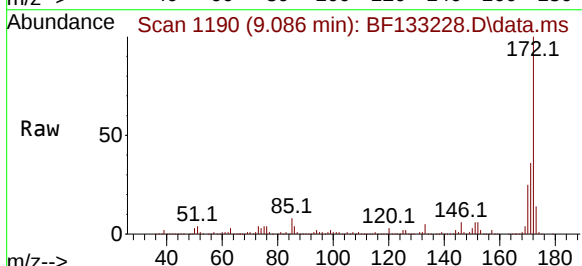
Tgt Ion:172 Resp: 1410379

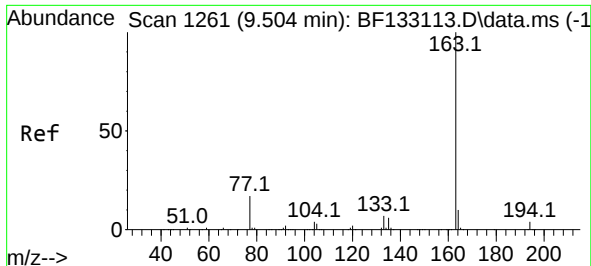
Ion Ratio Lower Upper

172 100

171 36.4 28.8 43.2

170 24.8 19.4 29.2

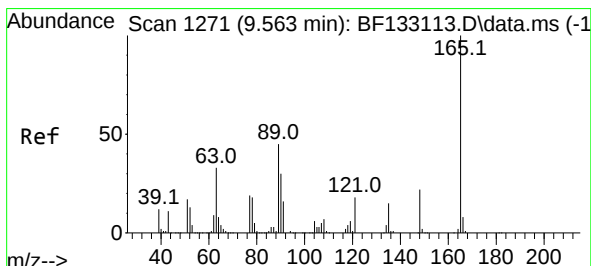
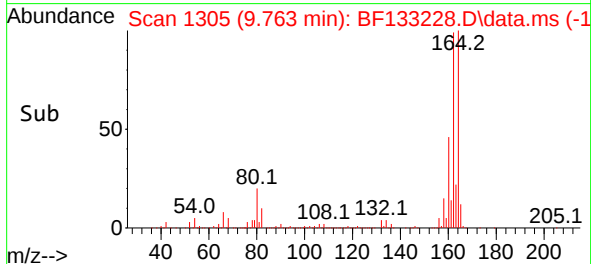
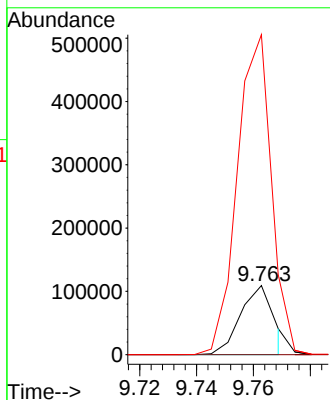
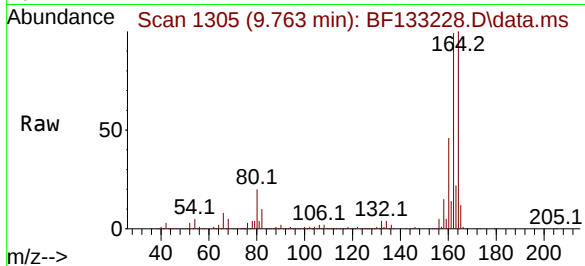




#50
Dimethylphthalate
Concen: 2.995 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

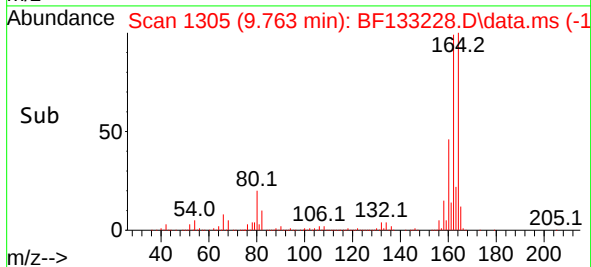
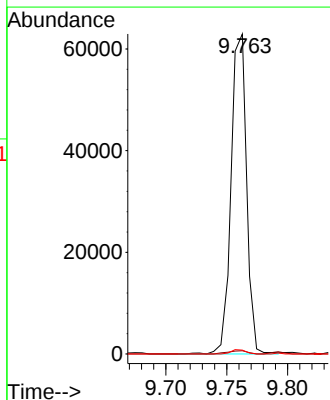
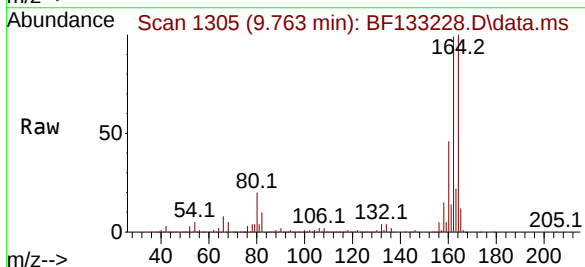
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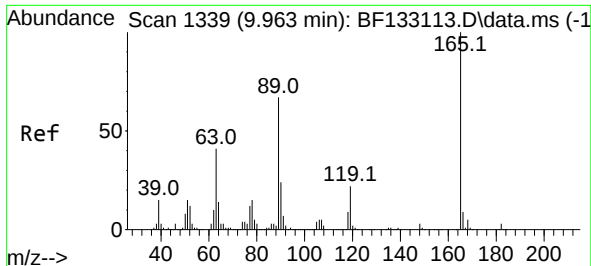
Tgt Ion:163 Resp: 88275
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 463.4 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.393 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Tgt Ion:165 Resp: 55674
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 1.2 44.0 66.0#





#57

2,4-Dinitrotoluene

Concen: 6.581 ng

RT: 9.763 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF133228.D

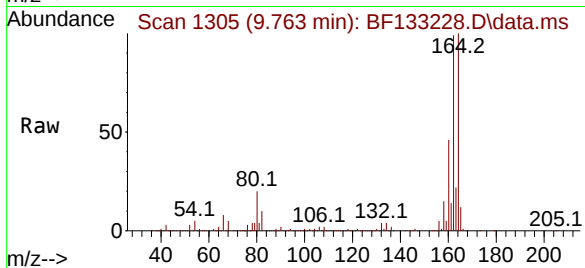
Acq: 04 May 2023 13:44

Instrument :

BNA_F

ClientSampleId :

ZONE-C-6-9-05012023



Tgt Ion:165 Resp: 55674

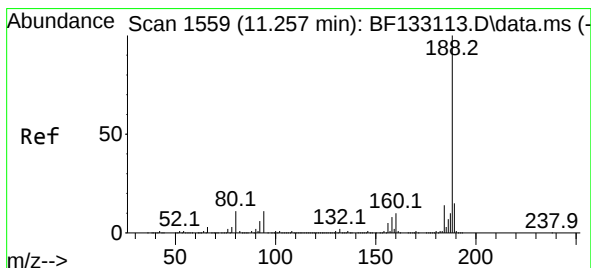
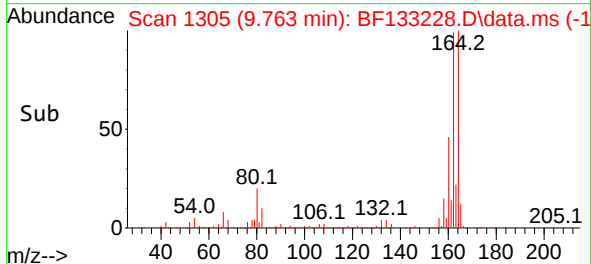
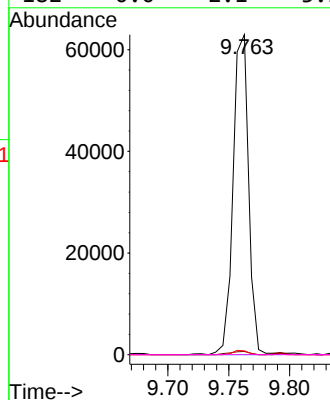
Ion Ratio Lower Upper

165 100

63 1.0 37.7 56.5#

89 1.2 57.0 85.4#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BF133228.D

Acq: 04 May 2023 13:44

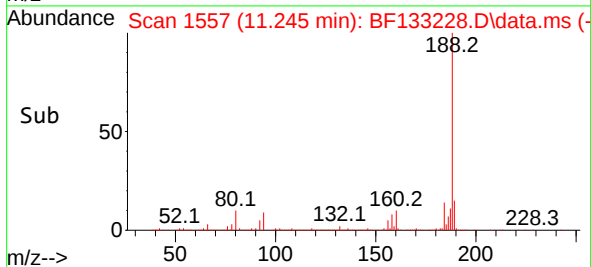
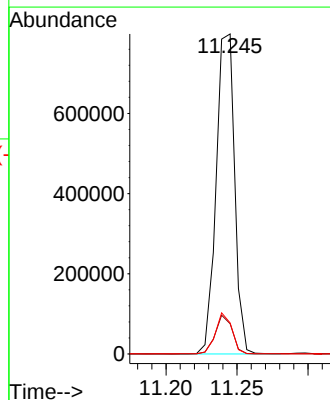
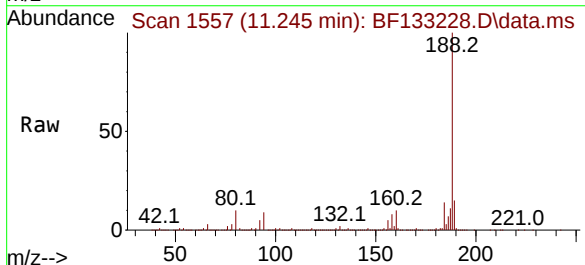
Tgt Ion:188 Resp: 719789

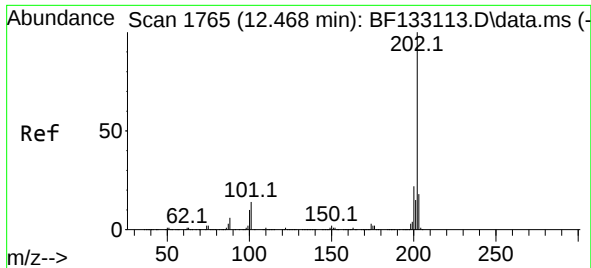
Ion Ratio Lower Upper

188 100

94 9.5 9.7 14.5#

80 9.7 10.4 15.6#

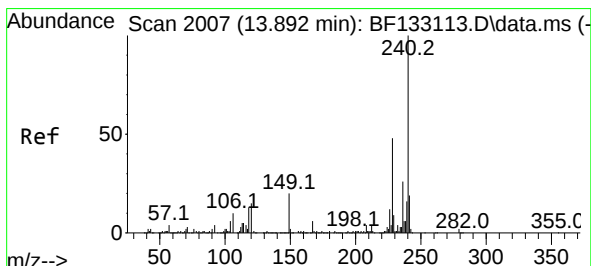
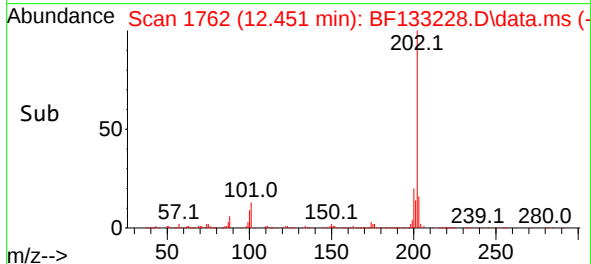
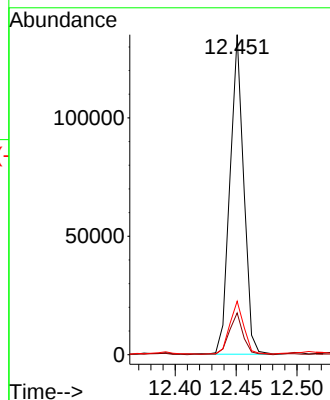
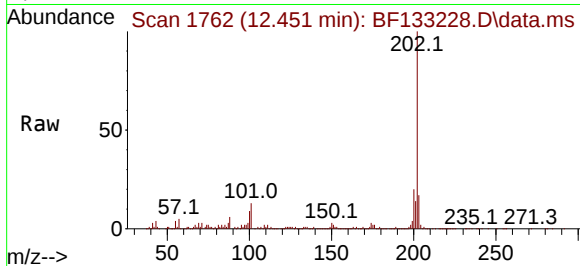




#75
Fluoranthene
Concen: 2.743 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

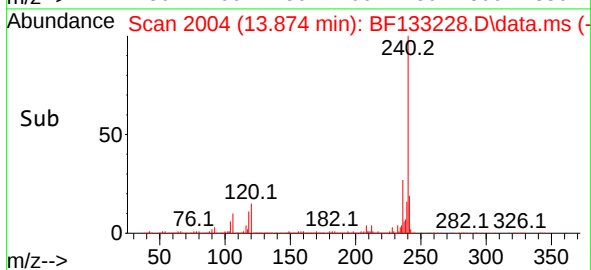
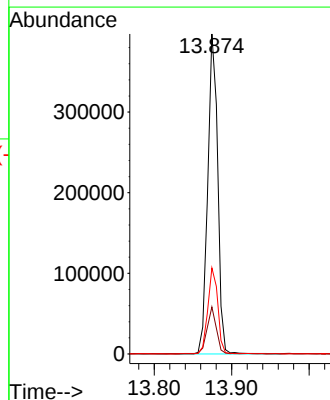
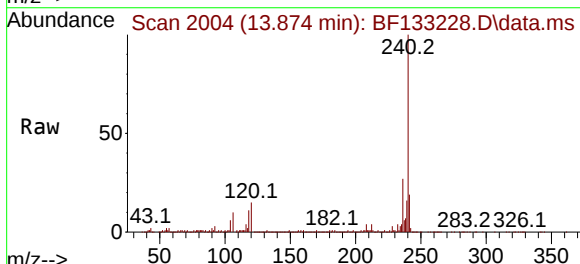
Instrument :
BNA_F
ClientSampleId :
ZONE-C-6-9-05012023

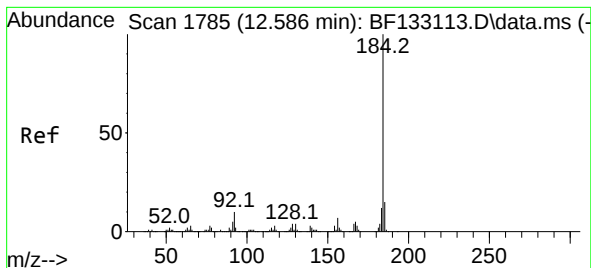
Tgt Ion:202 Resp: 106506
Ion Ratio Lower Upper
202 100
101 13.0 0.0 35.3
203 16.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Tgt Ion:240 Resp: 354192
Ion Ratio Lower Upper
240 100
120 14.7 10.5 15.7
236 26.9 21.5 32.3





#77

Benzidine

Concen: 2.620 ng

RT: 12.827 min Scan# 11

Delta R.T. 0.247 min

Lab File: BF133228.D

Acq: 04 May 2023 13:44

Instrument :

BNA_F

ClientSampleId :

ZONE-C-6-9-05012023

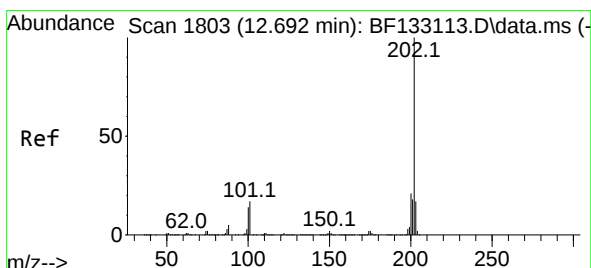
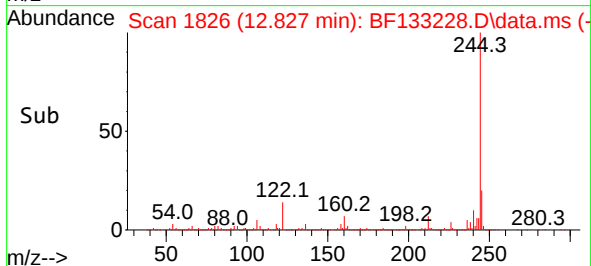
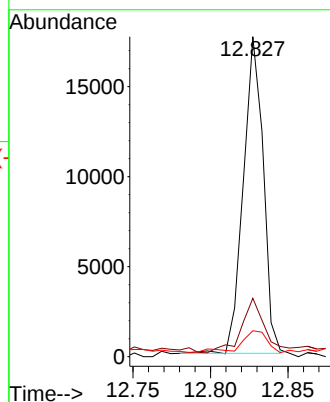
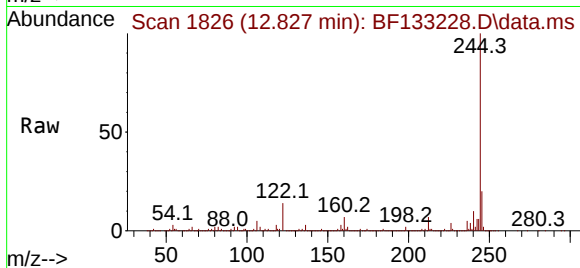
Tgt Ion:184 Resp: 15694

Ion Ratio Lower Upper

184 100

185 18.3 15.4 23.2

183 8.1 9.4 14.0#



#78

Pyrene

Concen: 3.035 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF133228.D

Acq: 04 May 2023 13:44

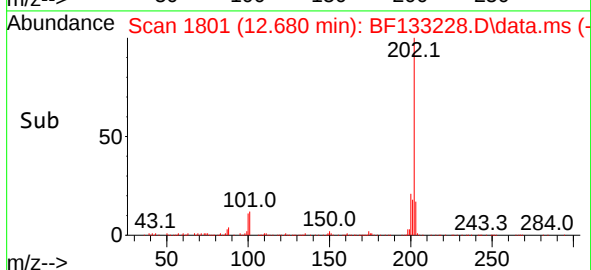
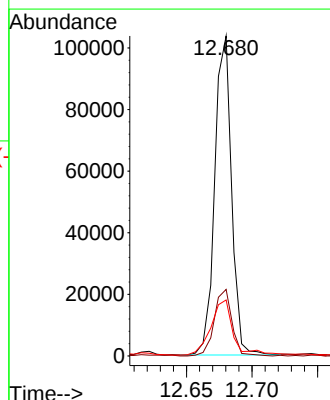
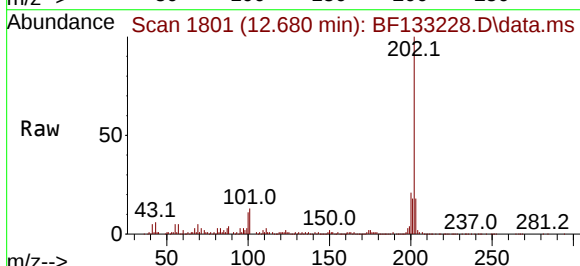
Tgt Ion:202 Resp: 92150

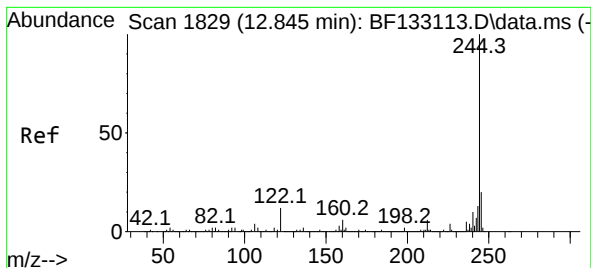
Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 61.038 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133228.D

Acq: 04 May 2023 13:44

Instrument :

BNA_F

ClientSampleId :

ZONE-C-6-9-05012023

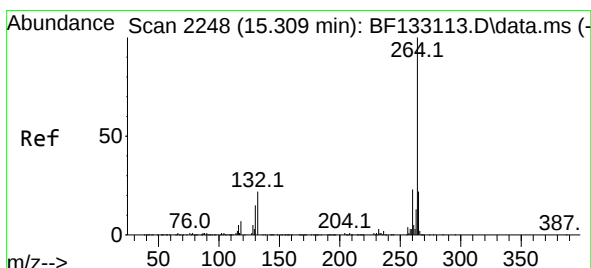
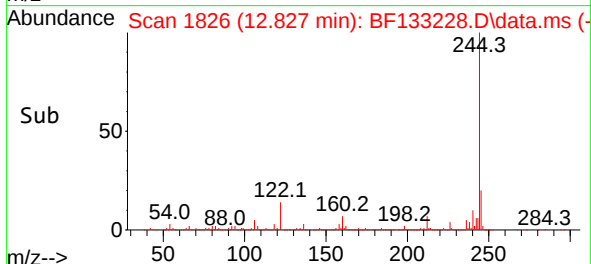
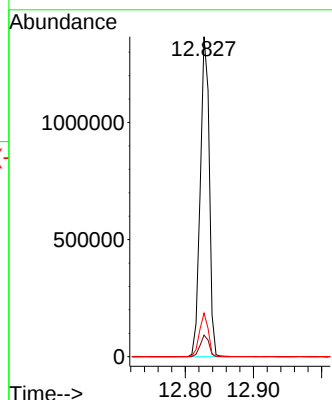
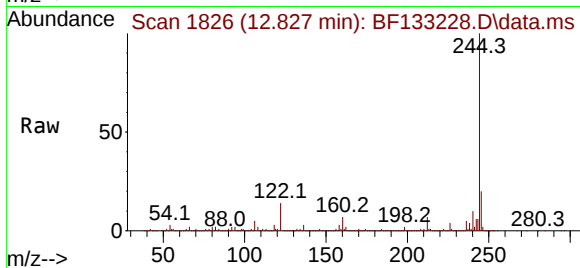
Tgt Ion:244 Resp: 1253530

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 13.6 8.6 13.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. -0.000 min

Lab File: BF133228.D

Acq: 04 May 2023 13:44

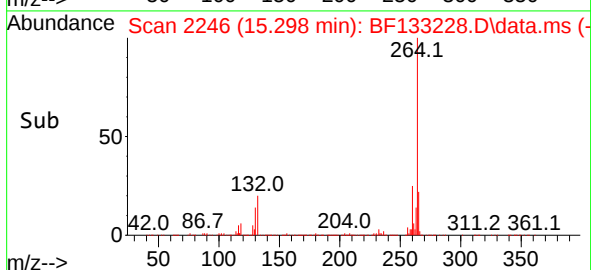
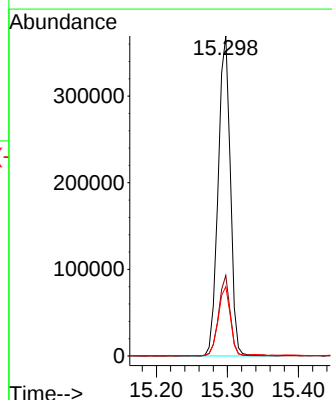
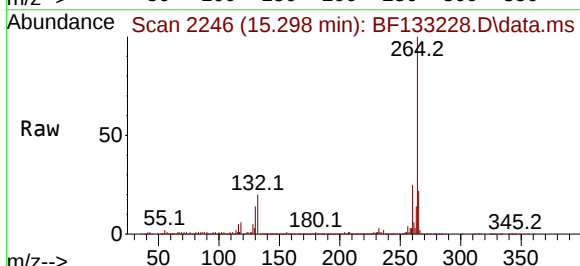
Tgt Ion:264 Resp: 438094

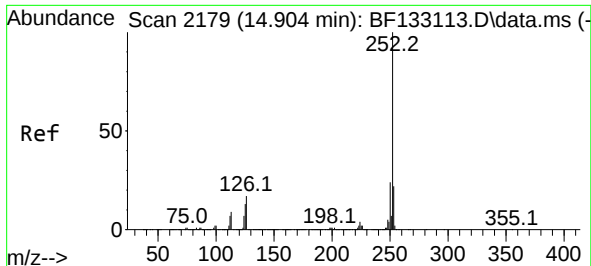
Ion Ratio Lower Upper

264 100

260 25.1 18.8 28.2

265 21.7 17.0 25.4

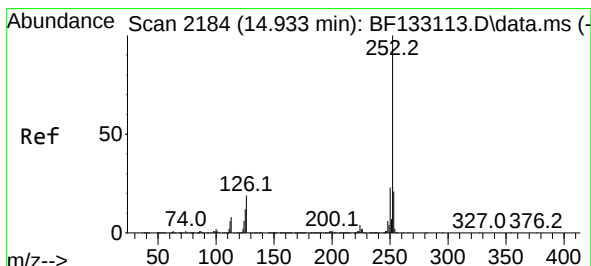
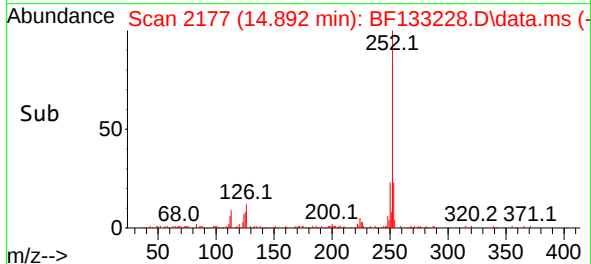
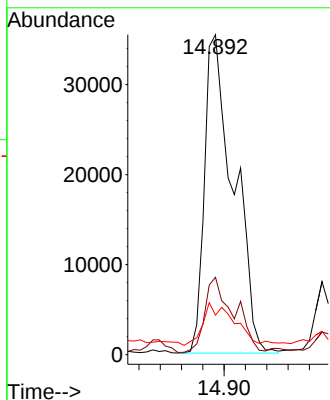
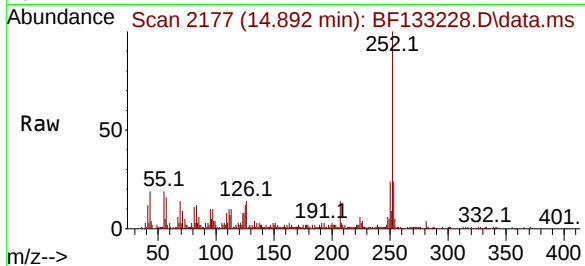




#88
Benzo(b)fluoranthene
Concen: 2.413 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Instrument :
BNA_F
ClientSampleId :
ZONE-C-6-9-05012023

Tgt Ion:252 Resp: 67262
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 12.4 8.9 13.3



#89
Benzo(k)fluoranthene
Concen: 2.435 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.035 min
Lab File: BF133228.D
Acq: 04 May 2023 13:44

Tgt Ion:252 Resp: 67262
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 12.4 9.0 13.4

