

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133005.D
 Acq On : 24 Apr 2023 20:22
 Operator : CG\JU
 Sample : 02469-02RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP-15RE

Quant Time: Apr 25 02:11:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

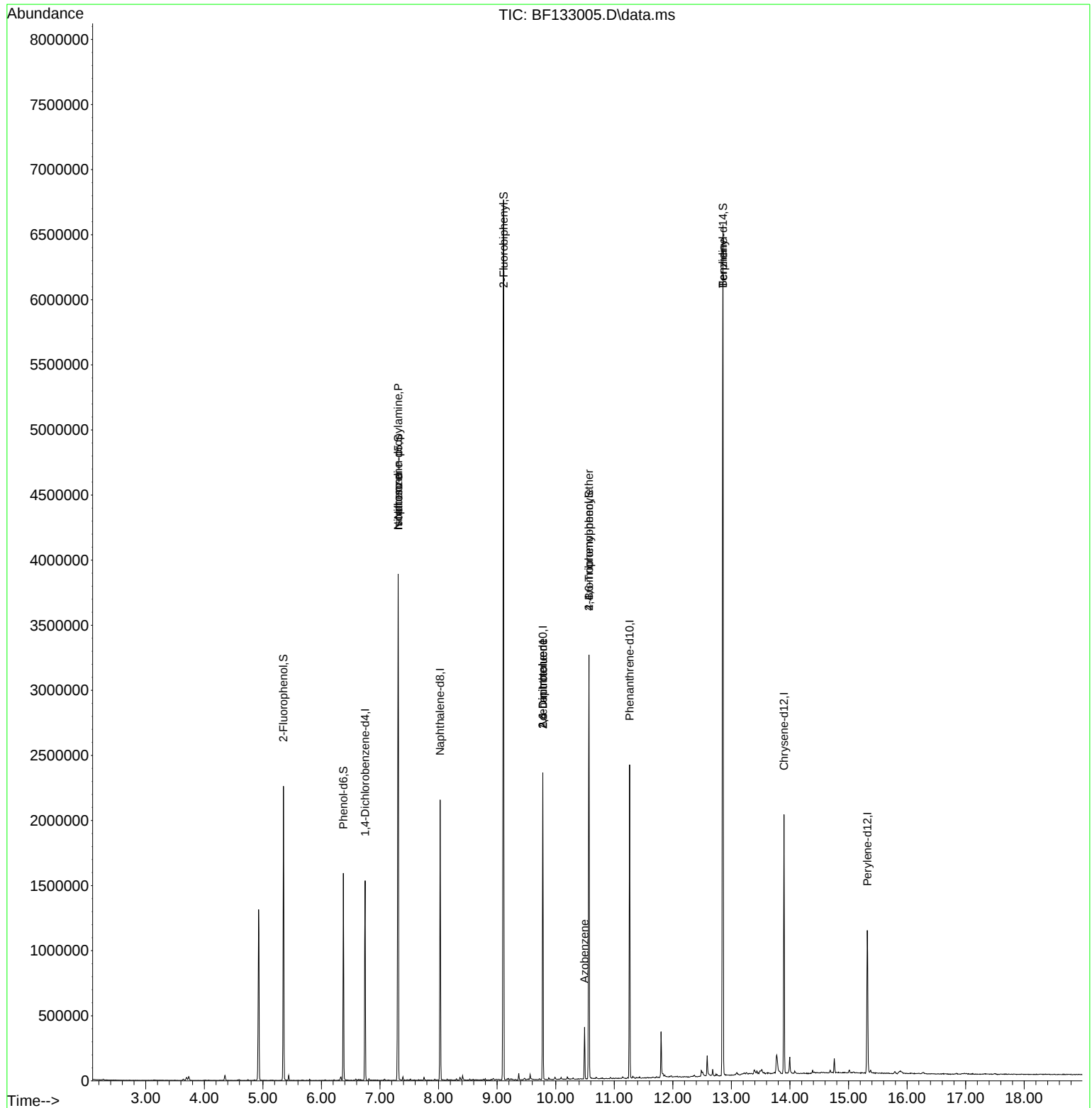
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	201859	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	796211	20.000	ng	-0.01
39) Acenaphthene-d10	9.781	164	416867	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	785288	20.000	ng	0.00
76) Chrysene-d12	13.898	240	567427	20.000	ng	-0.01
86) Perylene-d12	15.321	264	460016	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	570182	42.670	ng	0.00
7) Phenol-d6	6.375	99	431519	26.017	ng	-0.01
23) Nitrobenzene-d5	7.310	82	1277188	86.583	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	382445	91.224	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	2071530	83.136	ng	0.00
79) Terphenyl-d14	12.857	244	2562786	77.895	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.287	77	516	Below Cal	#	83
19) n-Nitroso-di-n-propyla...	7.310	70	169431	16.409	ng	# 78
25) Isophorone	7.310	82	1276240	45.569	ng	# 63
51) 2,6-Dinitrotoluene	9.781	165	55087	8.420	ng	# 25
57) 2,4-Dinitrotoluene	9.781	165	55087	6.603	ng	# 23
63) Azobenzene	10.492	77	58346	2.006	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	23871	2.803	ng	# 1
77) Benzidine	12.857	184	30299	3.158	ng	# 89

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

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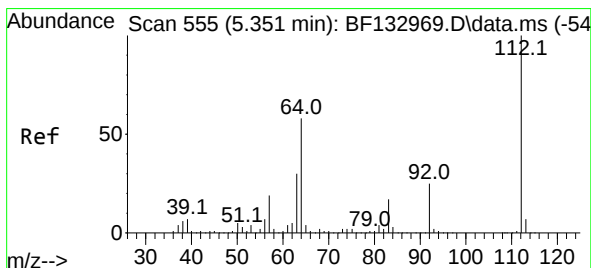
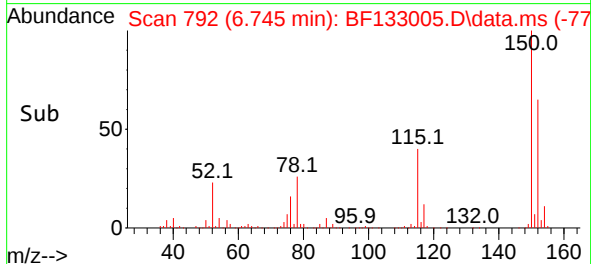
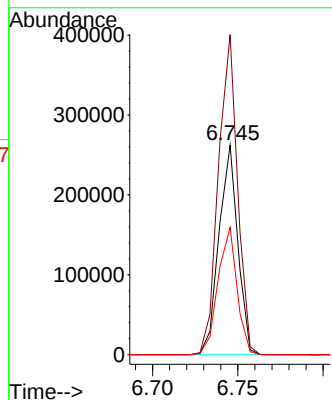
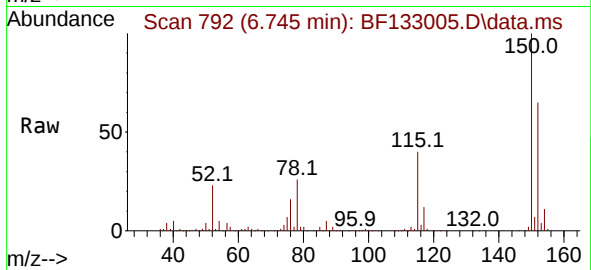




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

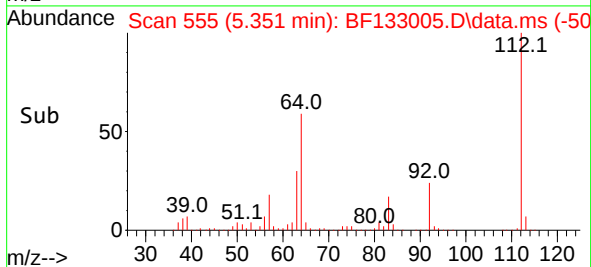
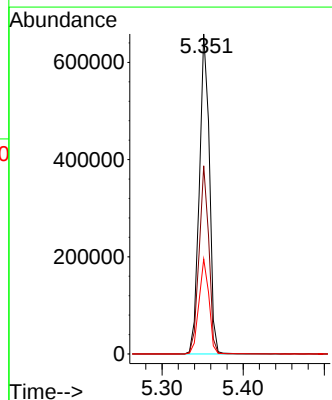
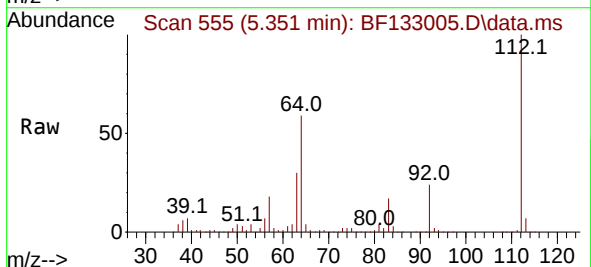
Instrument :
BNA_F
ClientSampleId :
TWP-15RE

Tgt Ion:152 Resp: 201859
Ion Ratio Lower Upper
152 100
150 152.7 124.8 187.2
115 60.7 49.9 74.9



#5
2-Fluorophenol
Concen: 42.670 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.000 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

Tgt Ion:112 Resp: 570182
Ion Ratio Lower Upper
112 100
64 58.8 46.8 70.2
63 29.7 23.8 35.8

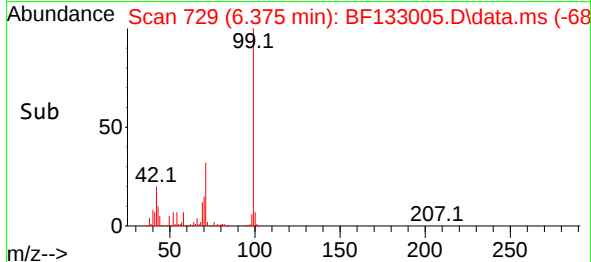
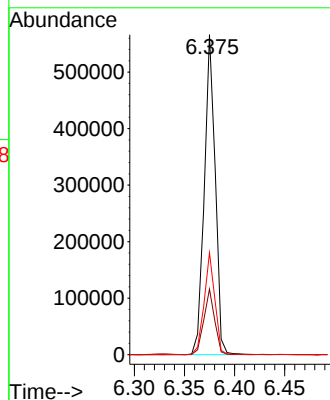
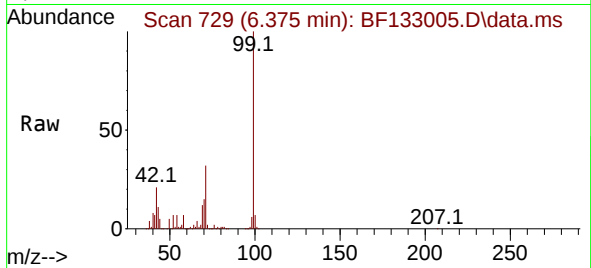




#7
Phenol-d6
Concen: 26.017 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

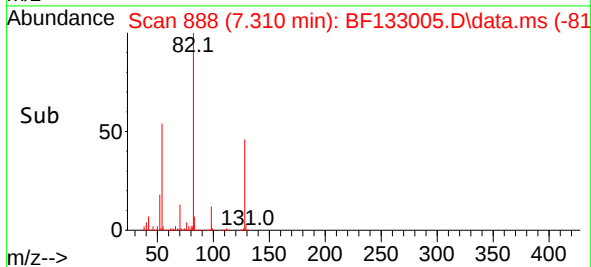
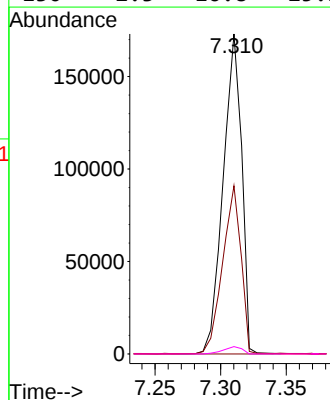
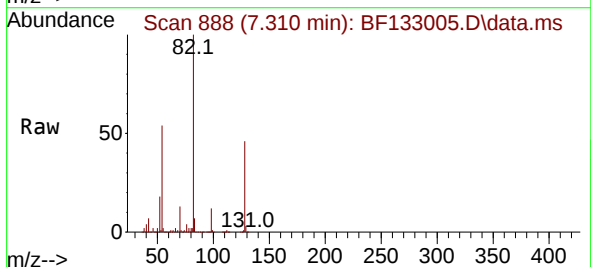
Instrument :
BNA_F
ClientSampleId :
TWP-15RE

Tgt Ion: 99 Resp: 431519
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 31.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.409 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

Tgt Ion: 70 Resp: 169431
Ion Ratio Lower Upper
70 100
42 52.6 51.8 77.6
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#



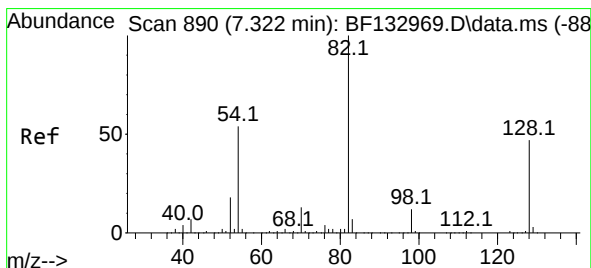
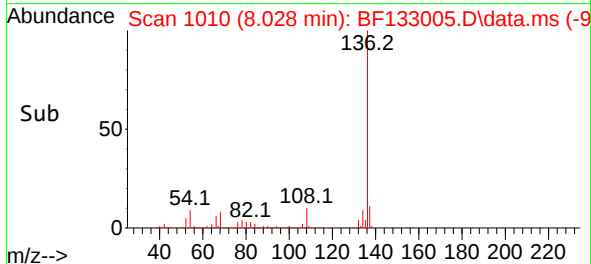
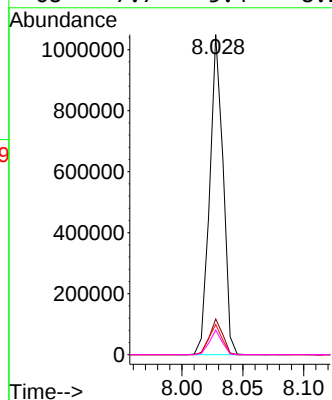
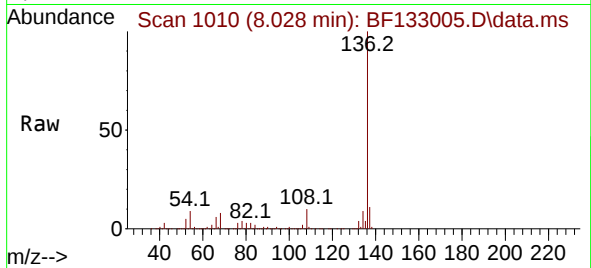


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

Instrument :
BNA_F
ClientSampleId :
TWP-15RE

Tgt Ion:136 Resp: 796211

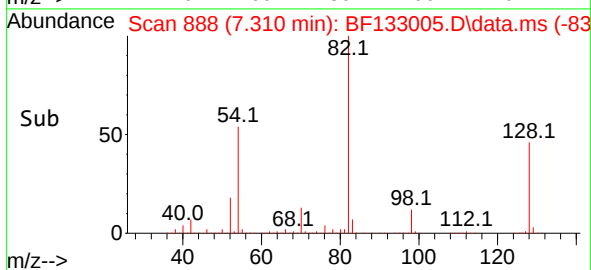
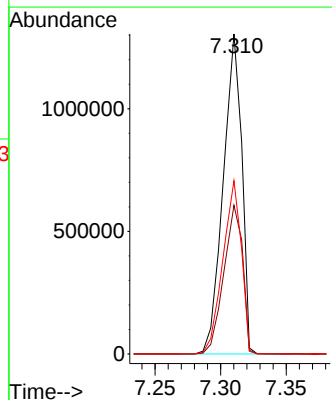
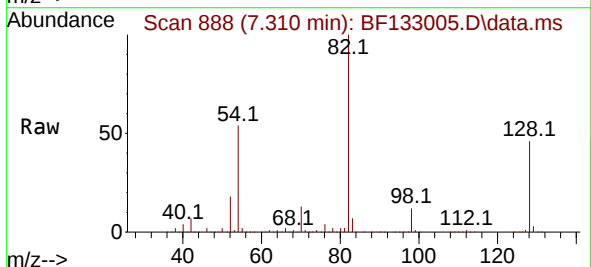
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.4	7.0	10.4
68	7.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 86.583 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

Tgt Ion: 82 Resp: 1277188

Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.7	56.5
54	54.1	43.0	64.4

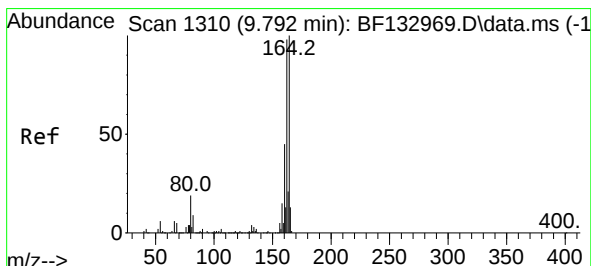
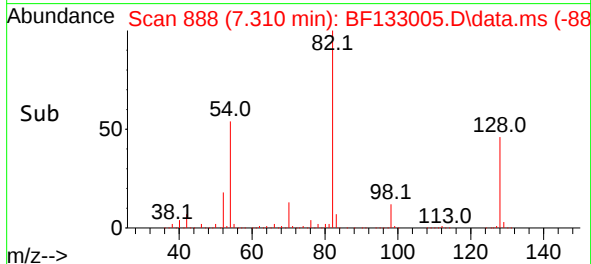
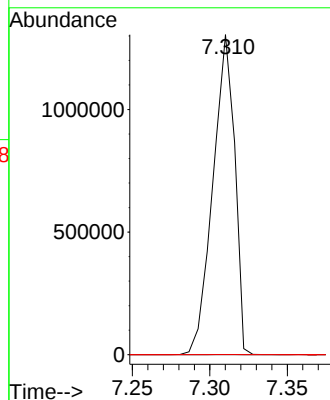
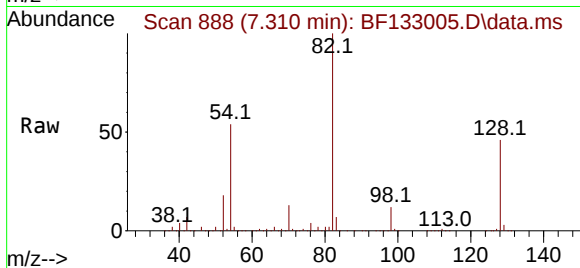




#25
Isophorone
Concen: 45.569 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

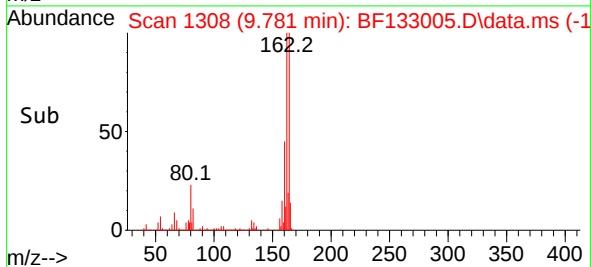
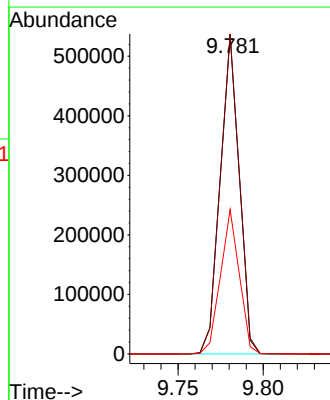
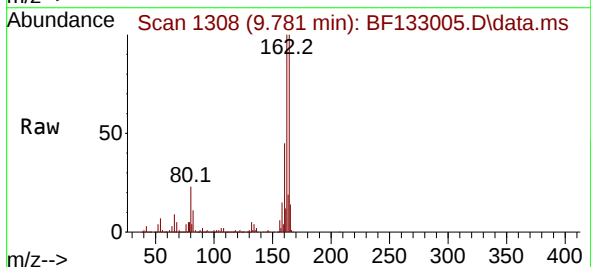
Instrument :
BNA_F
ClientSampleId :
TWP-15RE

Tgt Ion: 82 Resp: 1276240
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

Tgt Ion:164 Resp: 416867
Ion Ratio Lower Upper
164 100
162 100.2 78.7 118.1
160 45.2 35.8 53.6

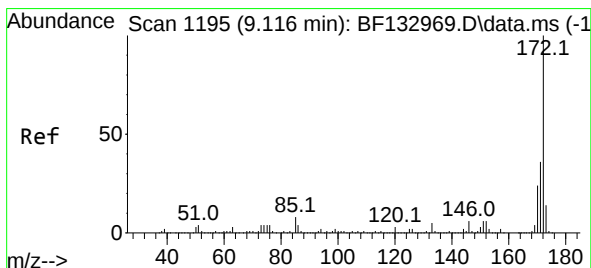
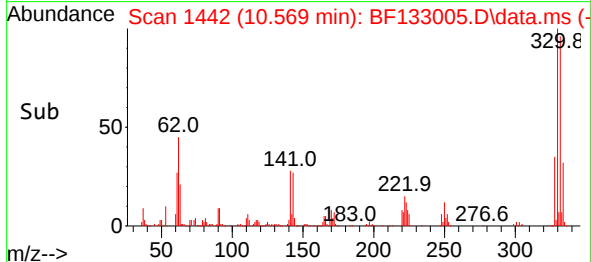
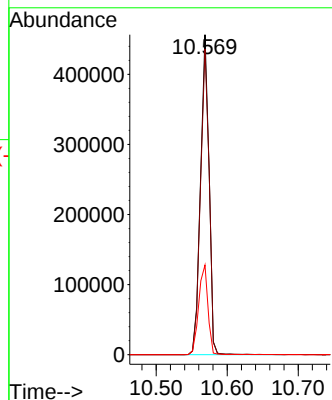
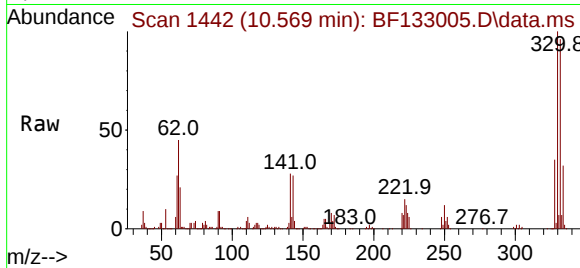




#42
 2,4,6-Tribromophenol
 Concen: 91.224 ng
 RT: 10.569 min Scan# 1444
 Delta R.T. -0.012 min
 Lab File: BF133005.D
 Acq: 24 Apr 2023 20:22

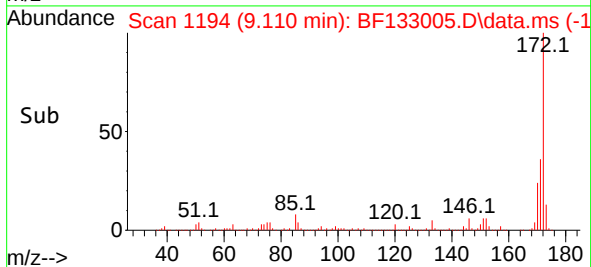
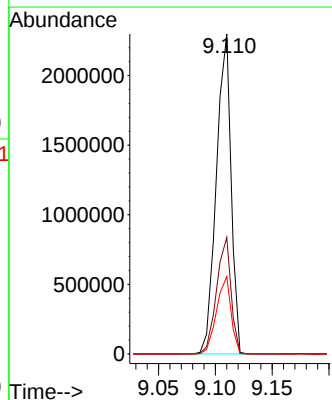
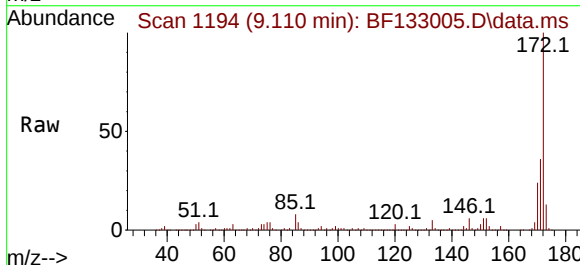
Instrument :
 BNA_F
 ClientSampleId :
 TWP-15RE

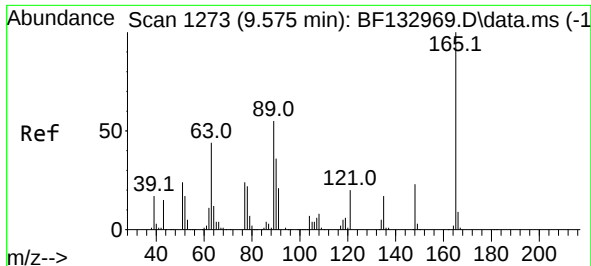
Tgt Ion:330 Resp: 382445
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.1 115.7
 141 30.3 25.8 38.8



#45
 2-Fluorobiphenyl
 Concen: 83.136 ng
 RT: 9.110 min Scan# 1194
 Delta R.T. -0.006 min
 Lab File: BF133005.D
 Acq: 24 Apr 2023 20:22

Tgt Ion:172 Resp: 2071530
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.8 43.2
 170 24.2 19.4 29.2

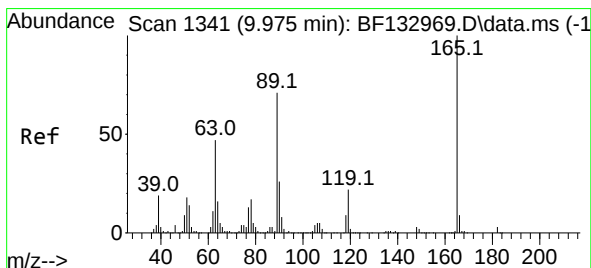
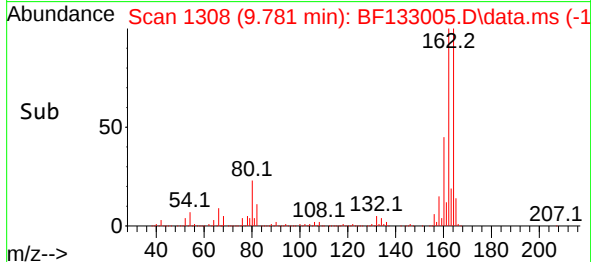
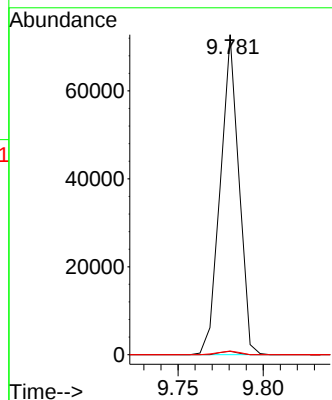
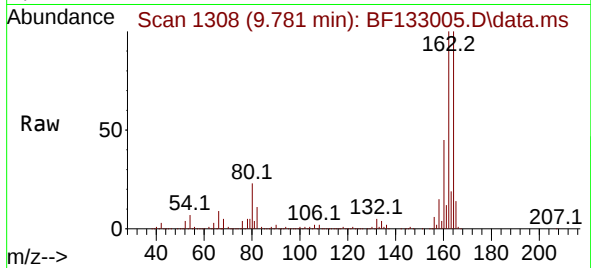




#51
2,6-Dinitrotoluene
Concen: 8.420 ng
RT: 9.781 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

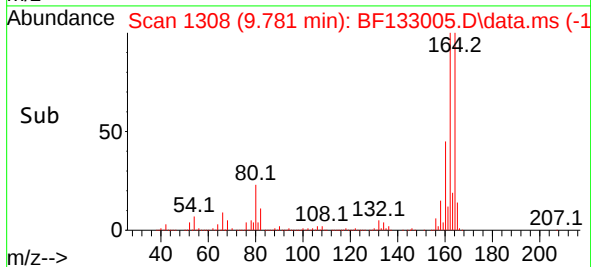
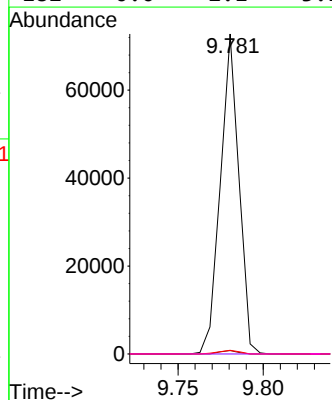
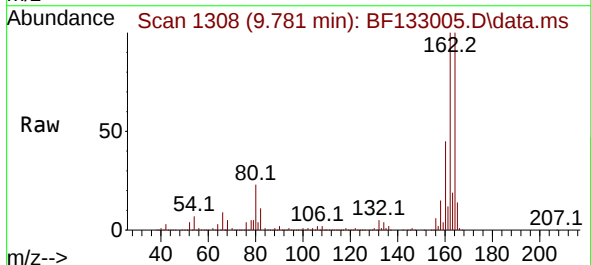
Instrument :
BNA_F
ClientSampleId :
TWP-15RE

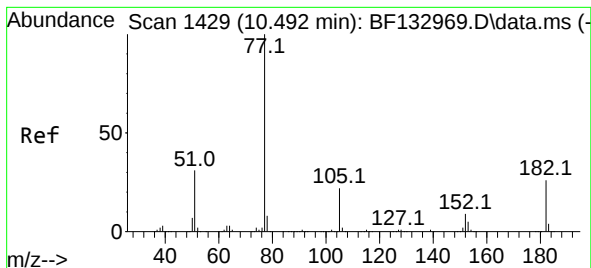
Tgt Ion:165 Resp: 55087
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.2 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.603 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.194 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

Tgt Ion:165 Resp: 55087
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.006 ng

RT: 10.492 min Scan# 1429

Delta R.T. 0.000 min

Lab File: BF133005.D

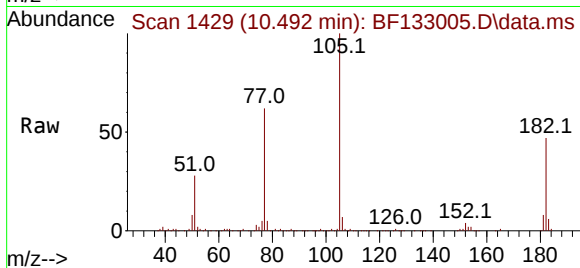
Acq: 24 Apr 2023 20:22

Instrument :

BNA_F

ClientSampleId :

TWP-15RE



Tgt Ion: 77 Resp: 58346

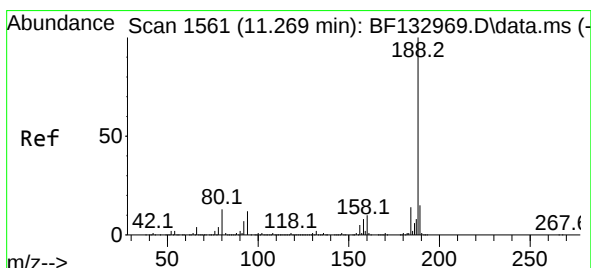
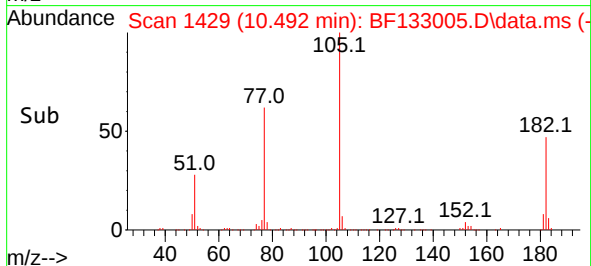
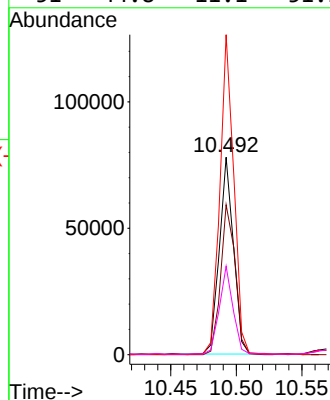
Ion Ratio Lower Upper

77 100

182 76.0 5.9 45.9#

105 162.1 2.3 42.3#

51 44.8 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133005.D

Acq: 24 Apr 2023 20:22

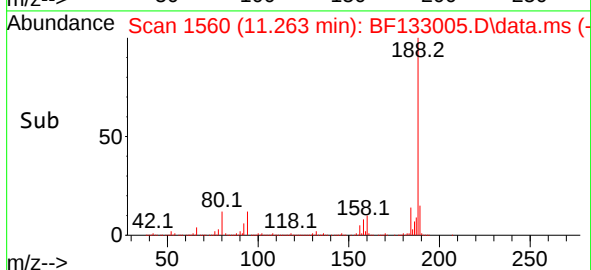
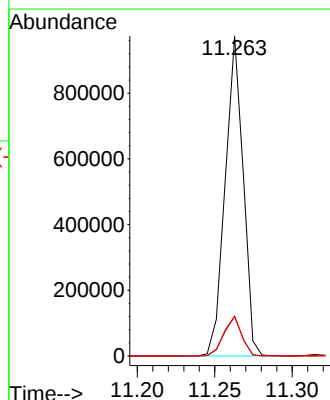
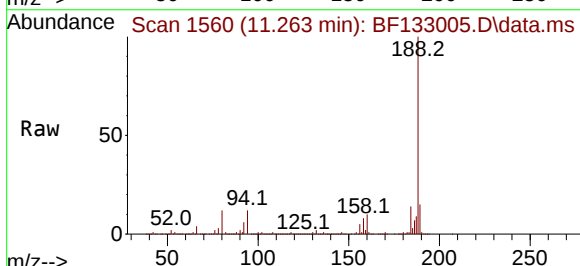
Tgt Ion:188 Resp: 785288

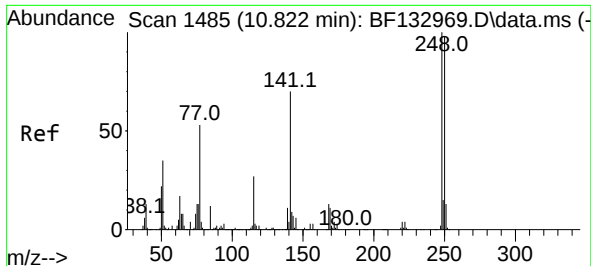
Ion Ratio Lower Upper

188 100

94 12.3 9.7 14.5

80 12.4 10.4 15.6

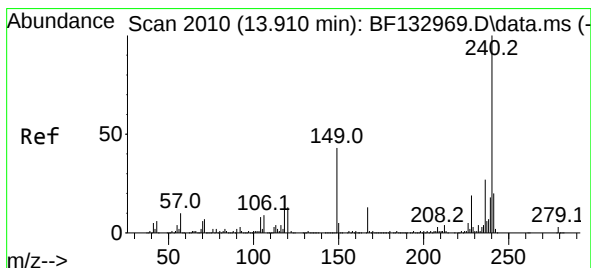
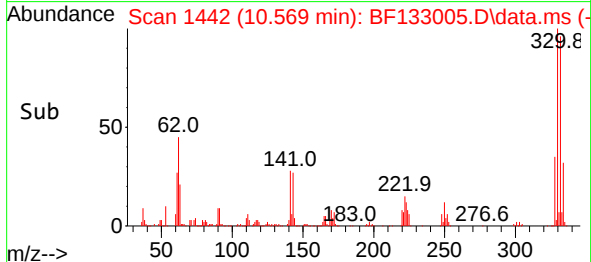
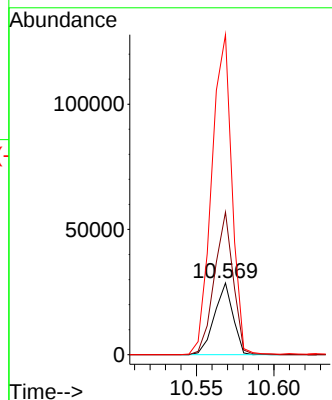
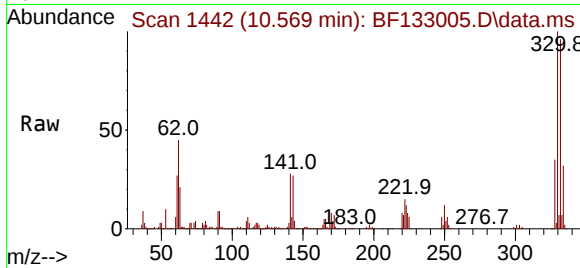




#67
4-Bromophenyl-phenylether
Concen: 2.803 ng
RT: 10.569 min Scan# 1485
Delta R.T. -0.253 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

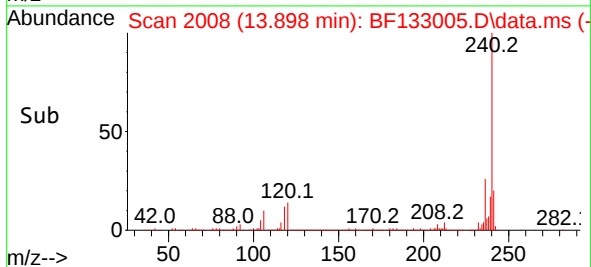
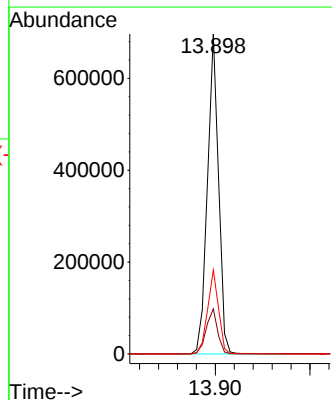
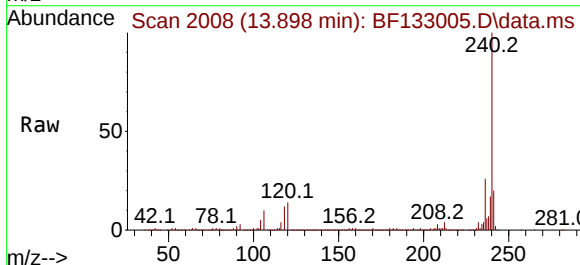
Instrument :
BNA_F
ClientSampleId :
TWP-15RE

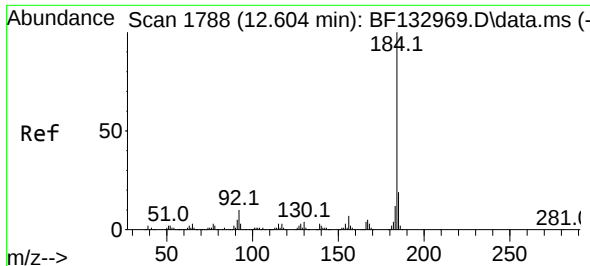
Tgt Ion:248 Resp: 23871
Ion Ratio Lower Upper
248 100
250 199.0 78.7 118.1#
141 446.5 56.3 84.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

Tgt Ion:240 Resp: 567427
Ion Ratio Lower Upper
240 100
120 14.1 10.5 15.7
236 26.2 21.5 32.3

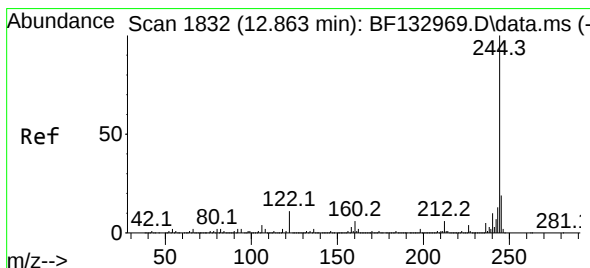
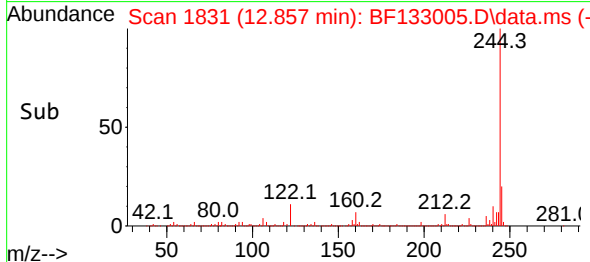
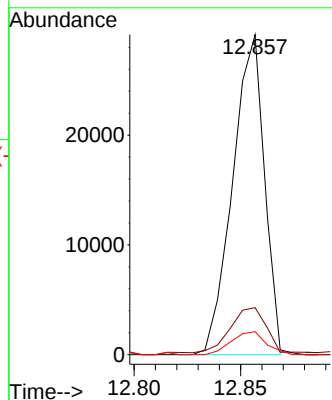
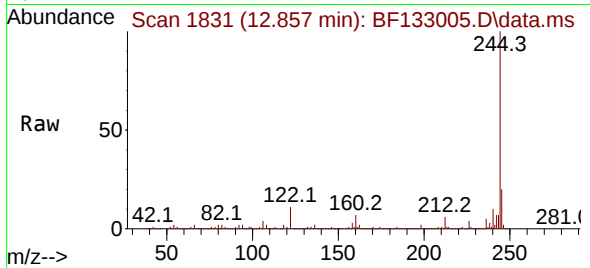




#77
Benzidine
Concen: 3.158 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.253 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

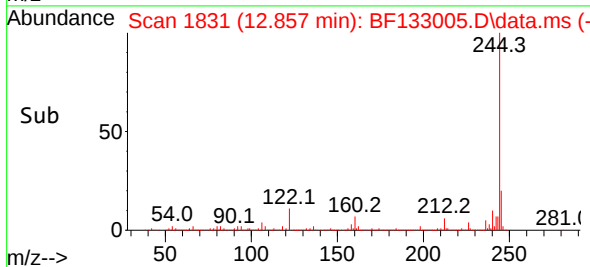
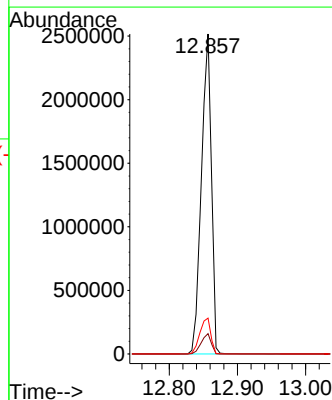
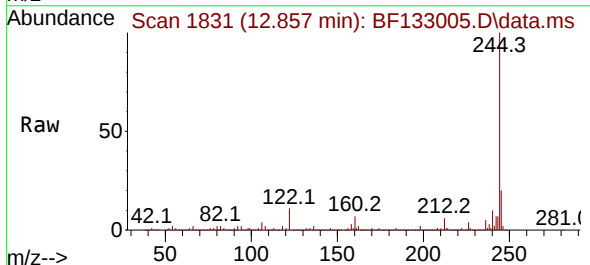
Instrument :
BNA_F
ClientSampleId :
TWP-15RE

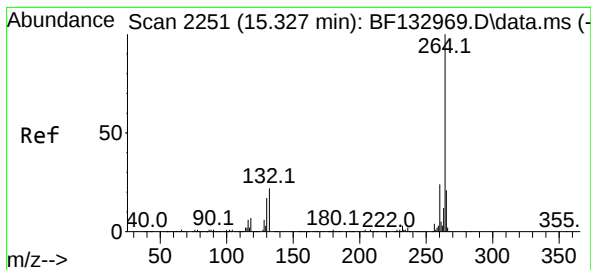
Tgt Ion:184 Resp: 30299
Ion Ratio Lower Upper
184 100
185 14.7 15.4 23.2#
183 7.2 9.4 14.0#



#79
Terphenyl-d14
Concen: 77.895 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF133005.D
Acq: 24 Apr 2023 20:22

Tgt Ion:244 Resp: 2562786
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 11.2 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133005.D

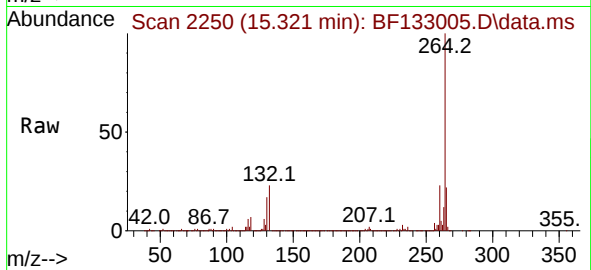
Acq: 24 Apr 2023 20:22

Instrument :

BNA_F

ClientSampleId :

TWP-15RE



Tgt Ion:264 Resp: 460016

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.6 17.0 25.4

