

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128103.D
 Acq On : 05 May 2022 19:23
 Operator : CG\JU
 Sample : N2672-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 04

Quant Time: May 06 05:02:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 17:56:23 2022
 Response via : Initial Calibration

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

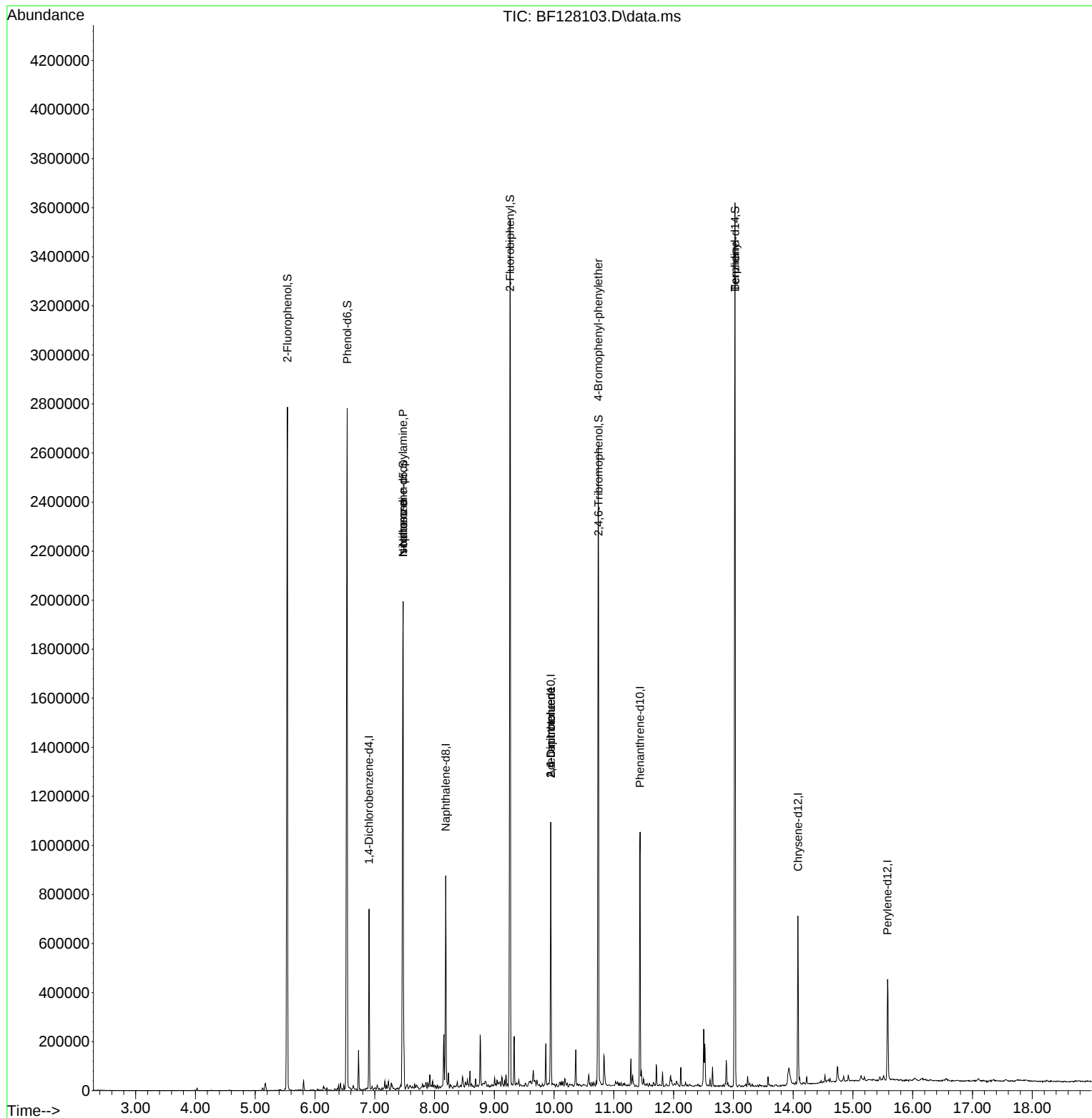
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	87133	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	347824	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	205315	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	385090	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	212551	20.000	ng	-0.01
86) Perylene-d12	15.580	264	186916	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	773255	141.350	ng	0.00
7) Phenol-d6	6.540	99	1029360	145.014	ng	0.00
23) Nitrobenzene-d5	7.475	82	749551	101.336	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	329503	159.423	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1208118	99.546	ng	0.00
79) Terphenyl-d14	13.027	244	1268323	109.113	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.475	70	106916	24.606	ng	# 77
25) Isophorone	7.475	82	748223	60.102	ng	# 68
51) 2,6-Dinitrotoluene	9.945	165	26725	8.964	ng	# 21
57) 2,4-Dinitrotoluene	9.945	165	26725	6.768	ng	# 26
67) 4-Bromophenyl-phenylether	10.739	248	20111	4.711	ng	# 1
77) Benzidine	13.027	184	18498	4.599	ng	# 94

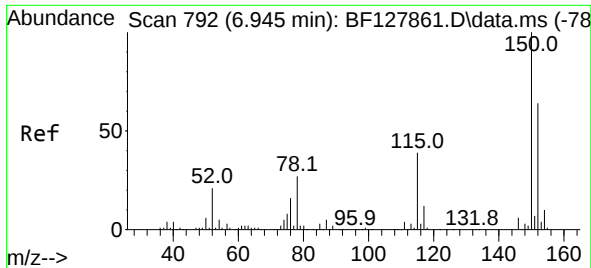
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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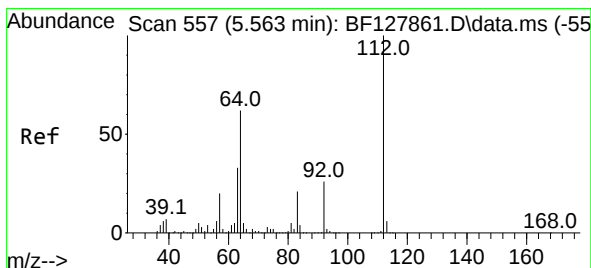
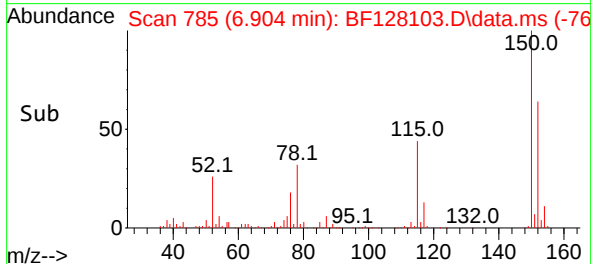
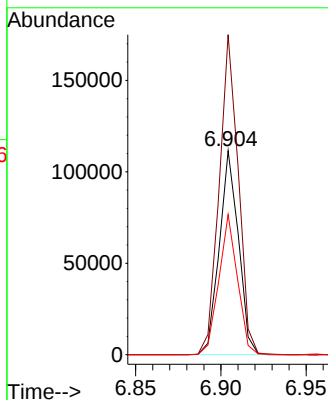
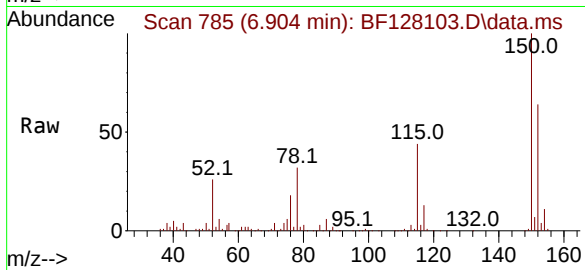




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF128103.D
 Acq: 05 May 2022 19:23

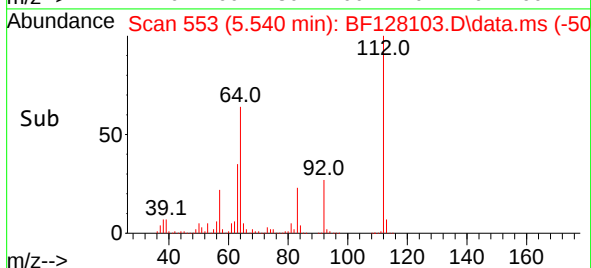
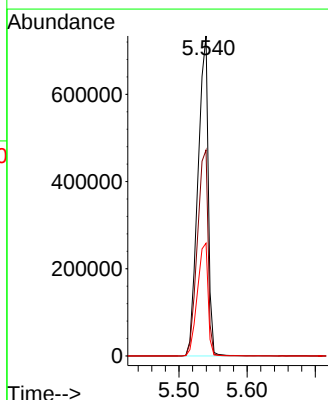
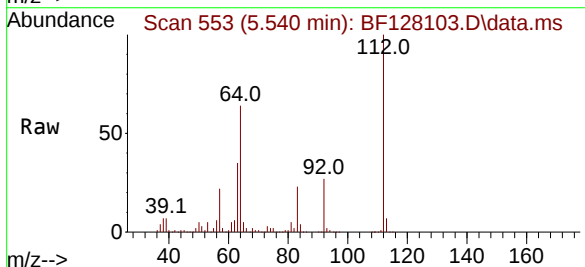
Instrument :
 BNA_F
 ClientSampleId :
 04

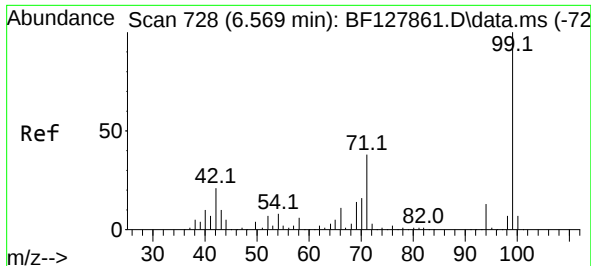
Tgt Ion:152 Resp: 87133
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.3 187.9
 115 68.7 48.8 73.2



#5
 2-Fluorophenol
 Concen: 141.350 ng
 RT: 5.540 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF128103.D
 Acq: 05 May 2022 19:23

Tgt Ion:112 Resp: 773255
 Ion Ratio Lower Upper
 112 100
 64 64.4 49.5 74.3
 63 35.3 26.3 39.5

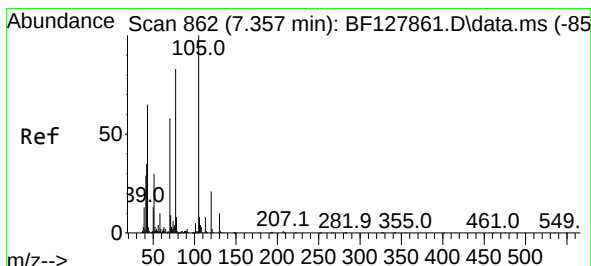
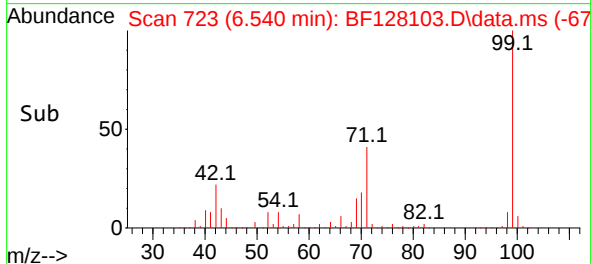
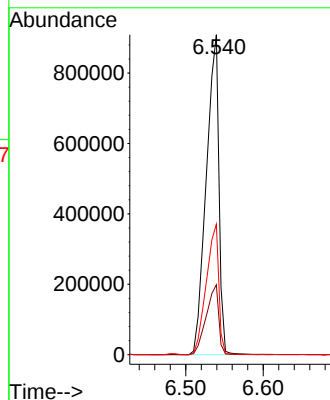
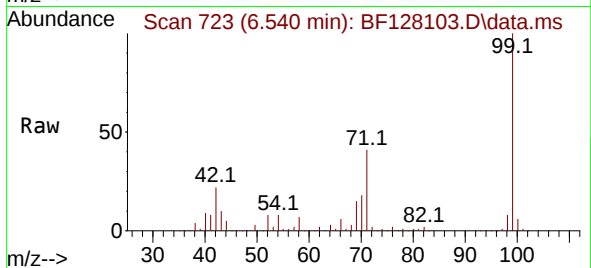




#7
Phenol-d6
Concen: 145.014 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

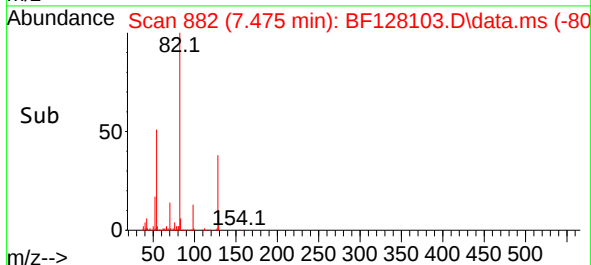
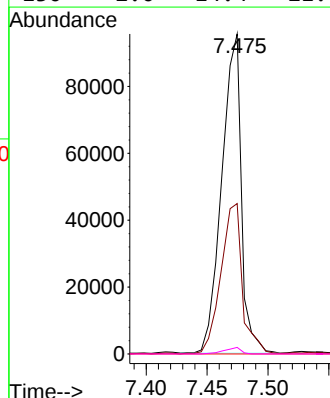
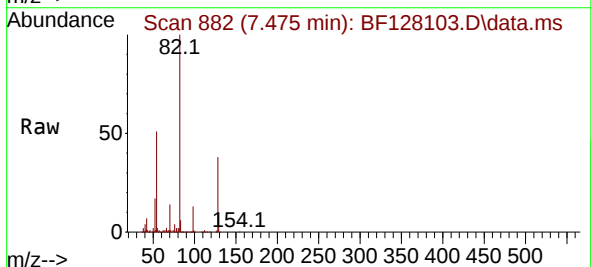
Instrument :
BNA_F
ClientSampleId :
04

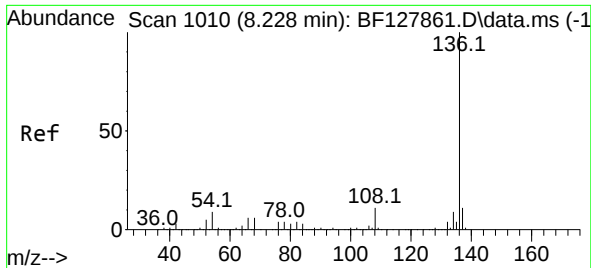
Tgt Ion: 99 Resp: 1029360
Ion Ratio Lower Upper
99 100
42 21.9 16.6 24.8
71 40.8 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 24.606 ng
RT: 7.475 min Scan# 882
Delta R.T. 0.147 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

Tgt Ion: 70 Resp: 106916
Ion Ratio Lower Upper
70 100
42 47.0 48.7 73.1#
101 0.0 7.2 10.8#
130 2.0 14.4 21.6#

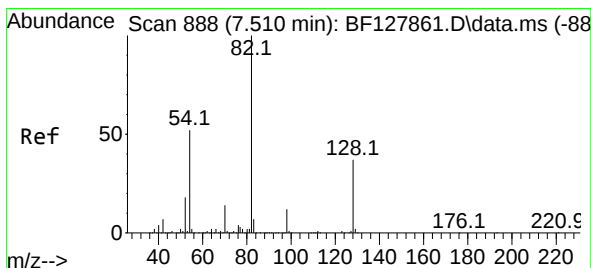
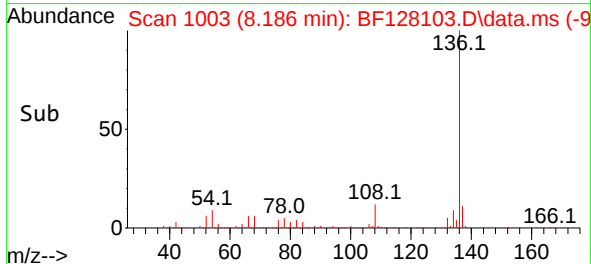
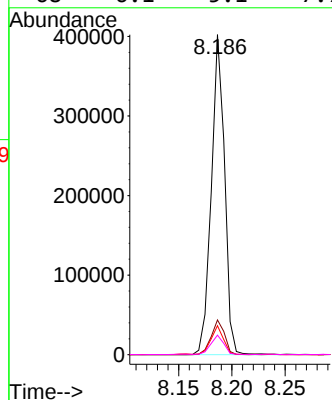
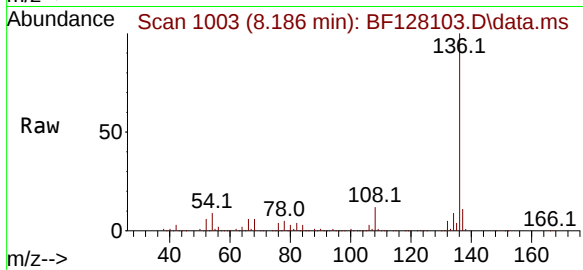




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

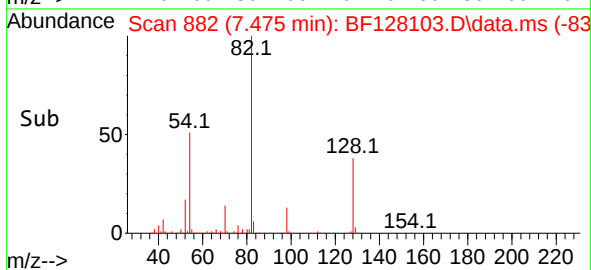
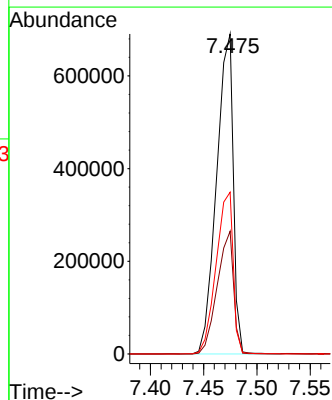
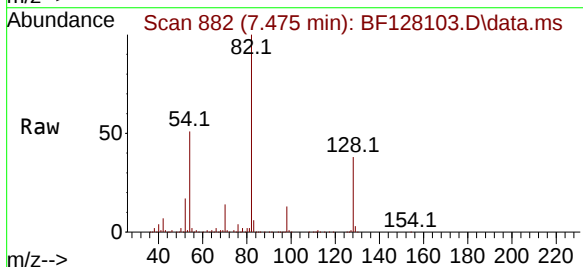
Instrument :
BNA_F
ClientSampleId :
04

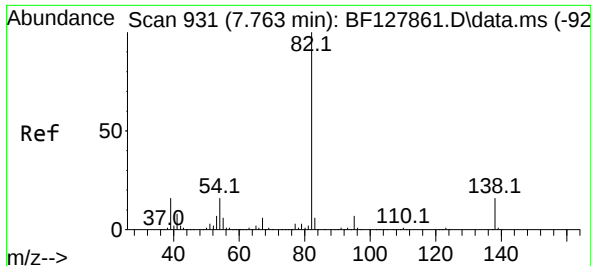
Tgt Ion:136	Resp:	347824	
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.1	6.8	10.2
68	6.1	5.1	7.7



#23
Nitrobenzene-d5
Concen: 101.336 ng
RT: 7.475 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

Tgt Ion: 82	Resp: 749551
Ion Ratio	Lower Upper
82 100	
128 38.3	30.0 45.0
54 50.5	41.3 61.9

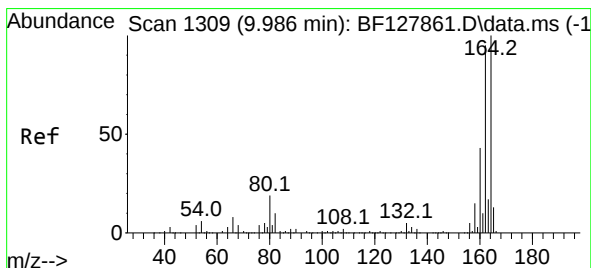
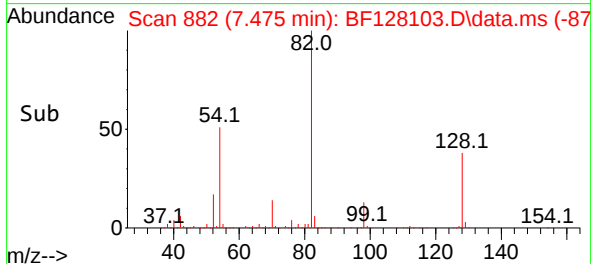
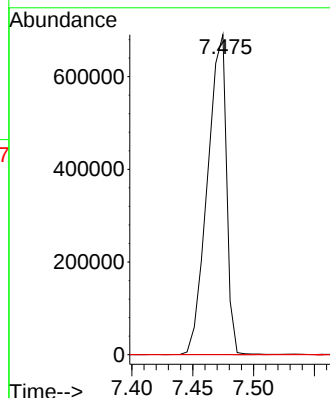
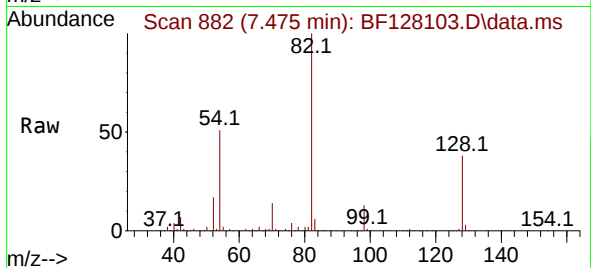




#25
Isophorone
Concen: 60.102 ng
RT: 7.475 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

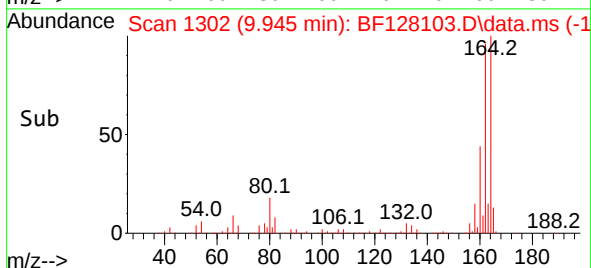
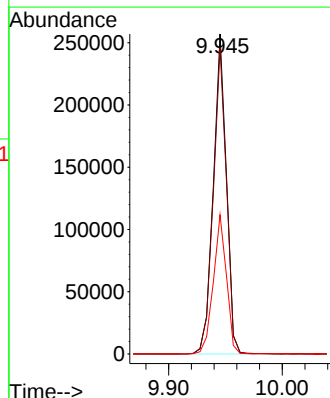
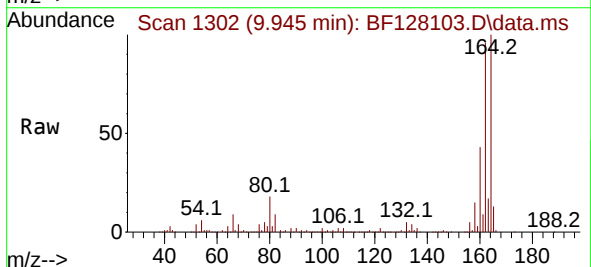
Instrument :
BNA_F
ClientSampleId :
04

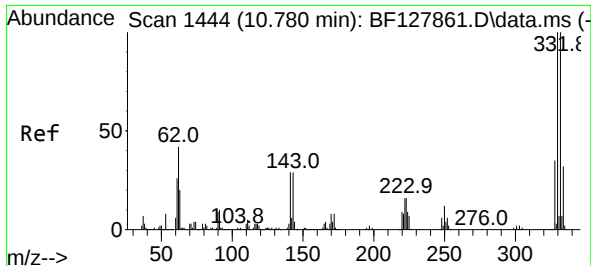
Tgt Ion: 82 Resp: 748223
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

Tgt Ion:164 Resp: 205315
Ion Ratio Lower Upper
164 100
162 95.7 76.0 114.0
160 43.5 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 159.423 ng

RT: 10.745 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF128103.D

Acq: 05 May 2022 19:23

Instrument :

BNA_F

ClientSampleId :

04

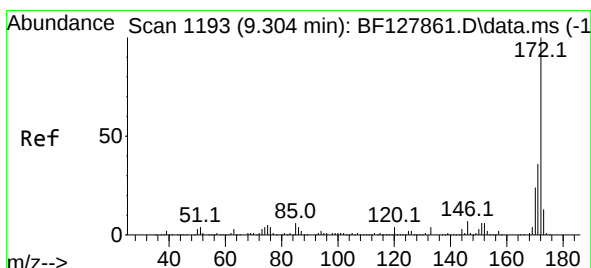
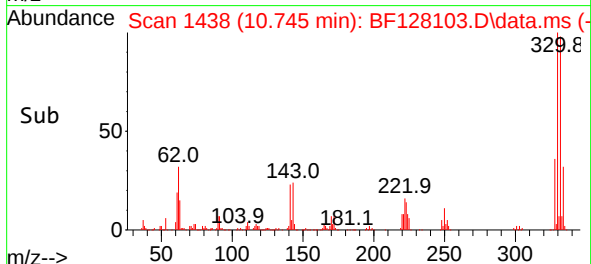
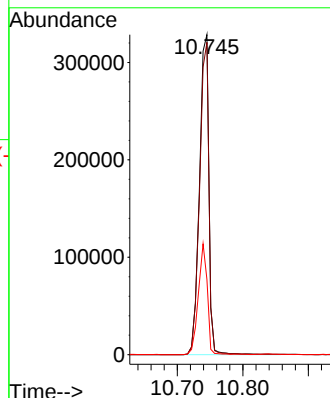
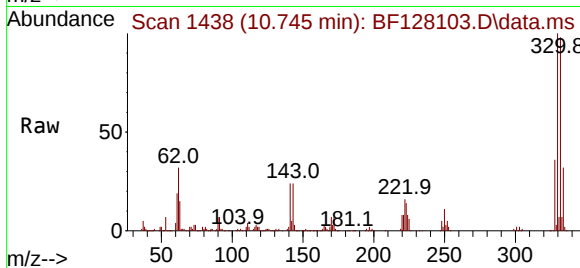
Tgt Ion:330 Resp: 329503

Ion Ratio Lower Upper

330 100

332 96.3 79.0 118.4

141 33.0 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 99.546 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF128103.D

Acq: 05 May 2022 19:23

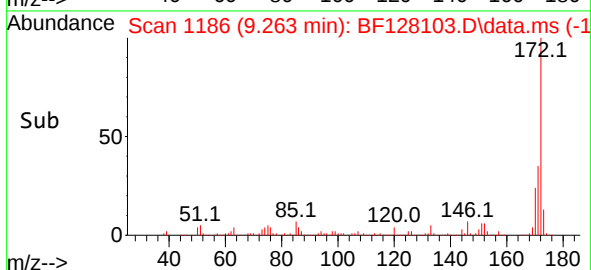
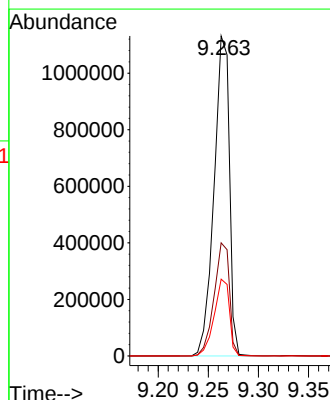
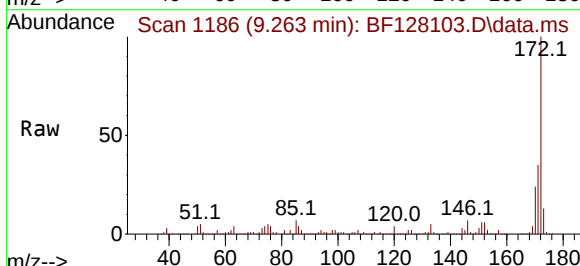
Tgt Ion:172 Resp: 1208118

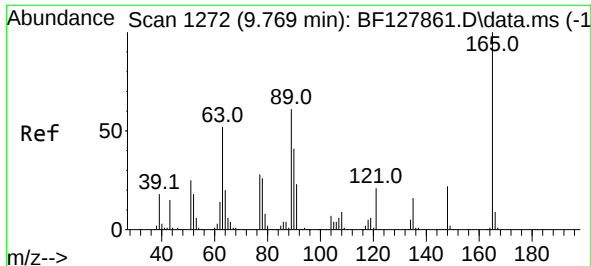
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 24.0 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.964 ng

RT: 9.945 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF128103.D

Acq: 05 May 2022 19:23

Instrument :

BNA_F

ClientSampleId :

04

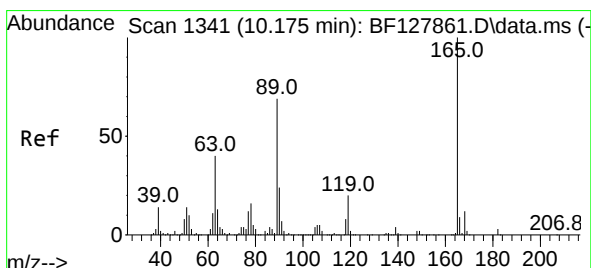
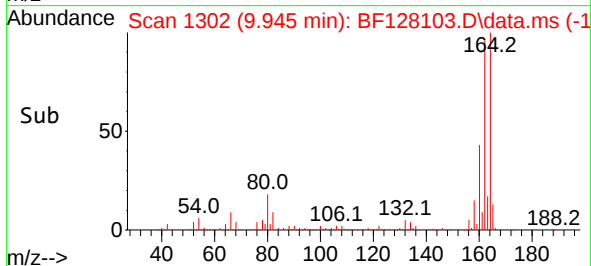
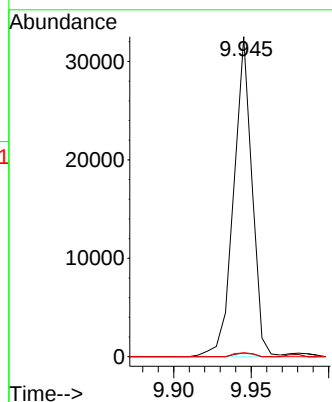
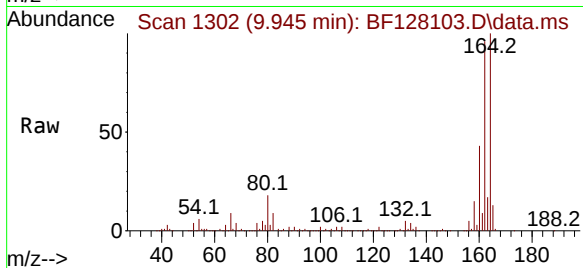
Tgt Ion:165 Resp: 26725

Ion Ratio Lower Upper

165 100

63 1.2 49.5 74.3#

89 1.2 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 6.768 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.200 min

Lab File: BF128103.D

Acq: 05 May 2022 19:23

Tgt Ion:165 Resp: 26725

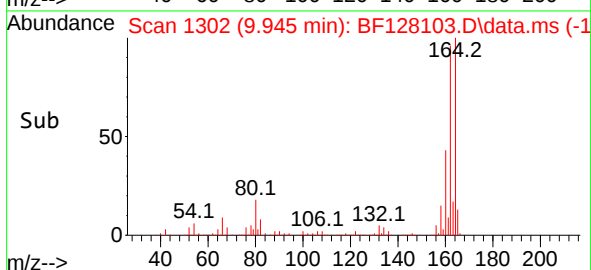
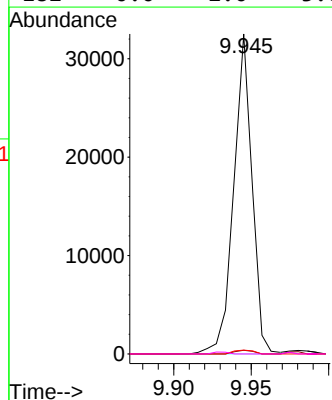
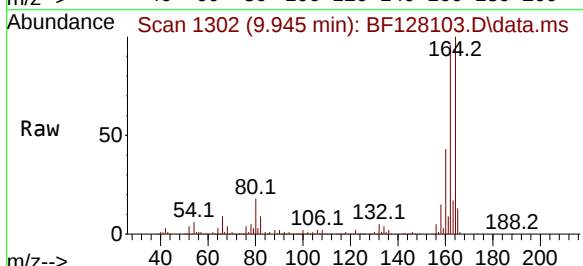
Ion Ratio Lower Upper

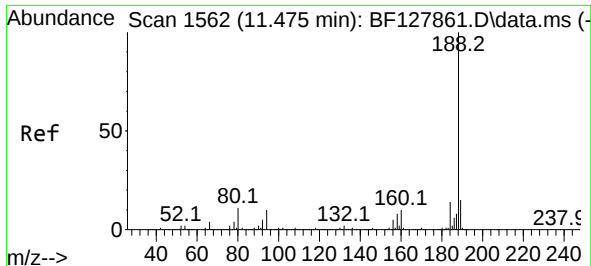
165 100

63 1.2 32.6 49.0#

89 1.2 55.2 82.8#

182 0.0 2.0 3.0#

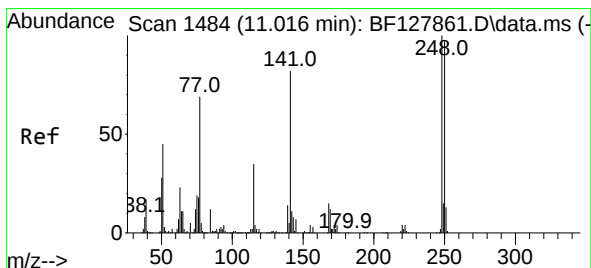
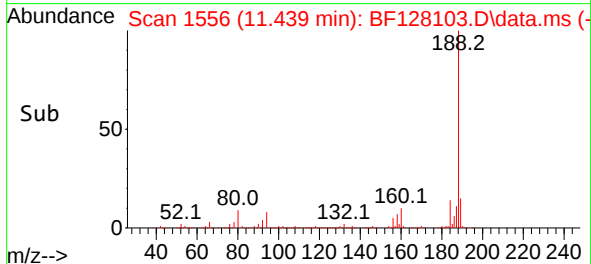
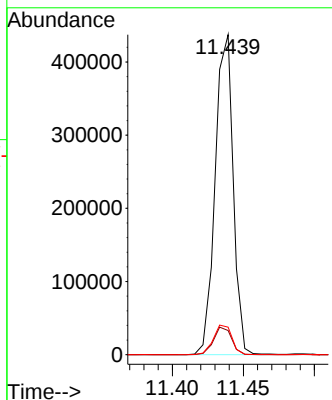
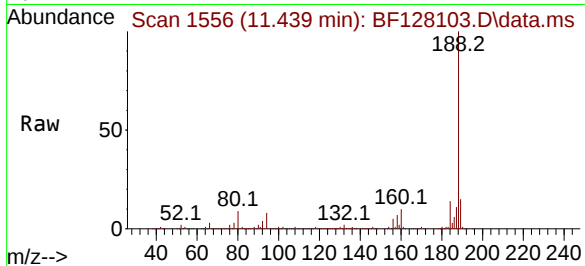




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

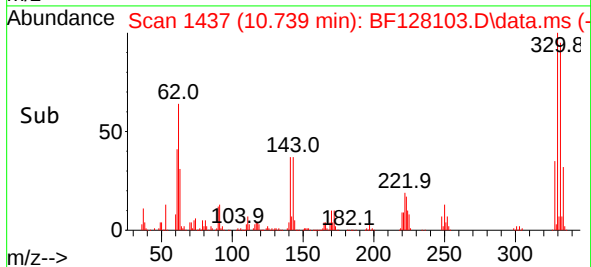
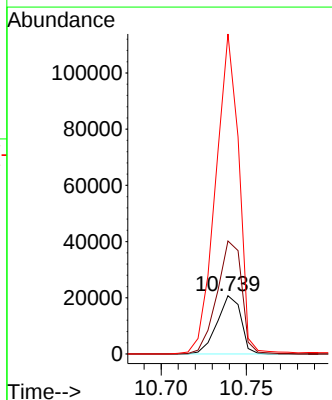
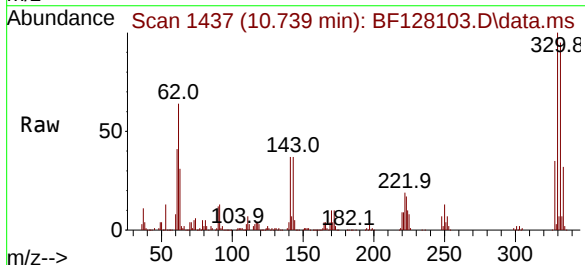
Instrument :
BNA_F
ClientSampleId :
04

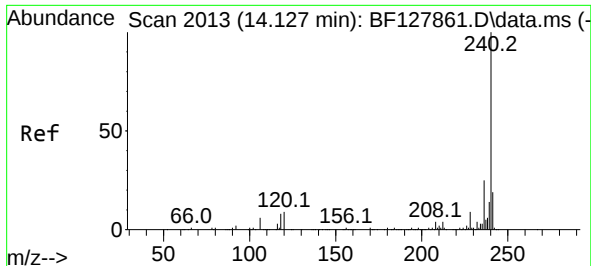
Tgt Ion:188 Resp: 385090
Ion Ratio Lower Upper
188 100
94 7.5 8.0 12.0#
80 8.6 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 4.711 ng
RT: 10.739 min Scan# 1437
Delta R.T. -0.247 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

Tgt Ion:248 Resp: 20111
Ion Ratio Lower Upper
248 100
250 193.8 77.7 116.5#
141 548.8 65.6 98.4#

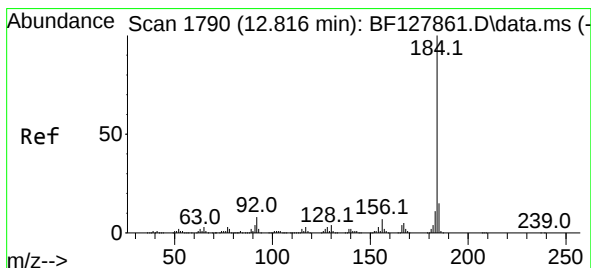
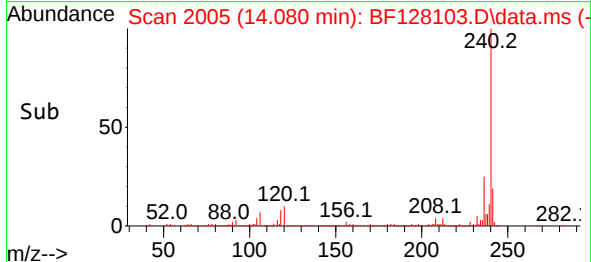
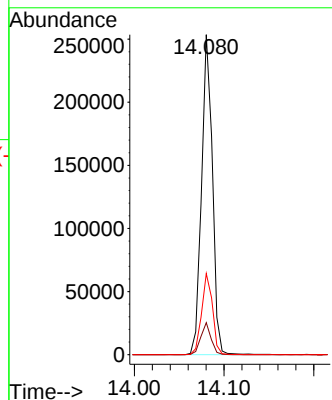
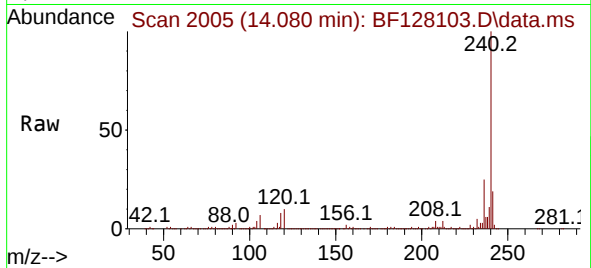




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

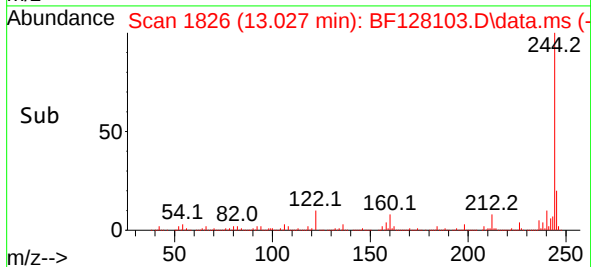
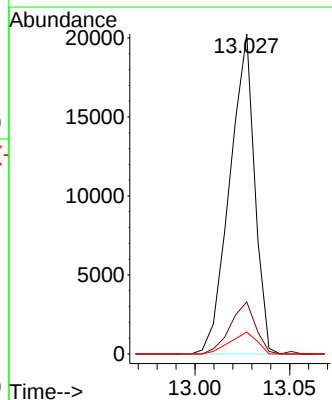
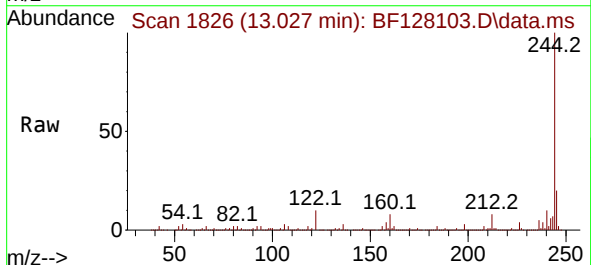
Instrument :
BNA_F
ClientSampleId :
04

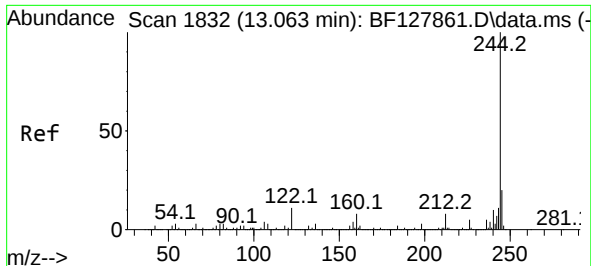
Tgt Ion:240 Resp: 212551
Ion Ratio Lower Upper
240 100
120 10.0 7.0 10.6
236 25.3 20.3 30.5



#77
Benzidine
Concen: 4.599 ng
RT: 13.027 min Scan# 1826
Delta R.T. 0.247 min
Lab File: BF128103.D
Acq: 05 May 2022 19:23

Tgt Ion:184 Resp: 18498
Ion Ratio Lower Upper
184 100
185 16.2 12.1 18.1
183 6.8 9.0 13.4#

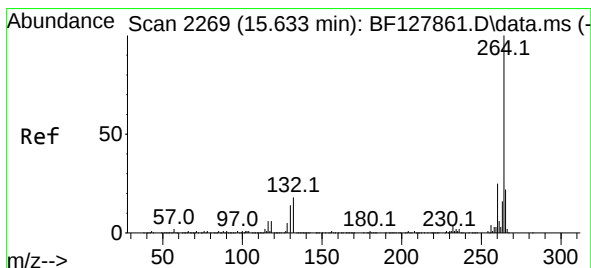
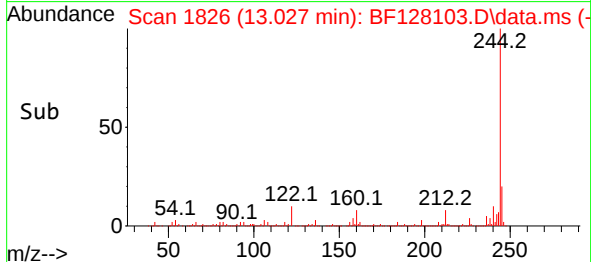
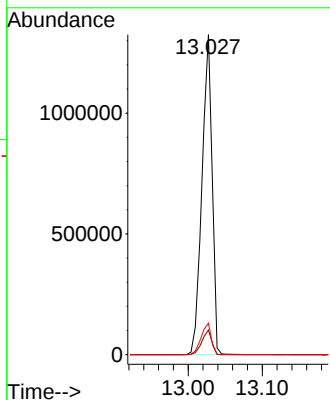
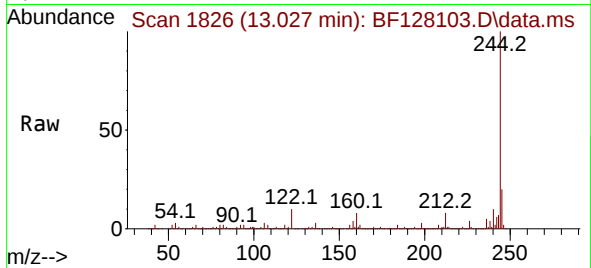




#79
 Terphenyl-d14
 Concen: 109.113 ng
 RT: 13.027 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF128103.D
 Acq: 05 May 2022 19:23

Instrument :
 BNA_F
 ClientSampleId :
 04

Tgt Ion:244 Resp: 1268323
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.4
 122 9.8 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 2260
 Delta R.T. -0.012 min
 Lab File: BF128103.D
 Acq: 05 May 2022 19:23

Tgt Ion:264 Resp: 186916
 Ion Ratio Lower Upper
 264 100
 260 23.5 20.1 30.1
 265 20.6 17.5 26.3

