

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081922\
 Data File : BF129909.D
 Acq On : 19 Aug 2022 13:34
 Operator : CG\JU
 Sample : N4227-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Quant Time: Aug 20 07:43:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 12:03:10 2022
 Response via : Initial Calibration

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

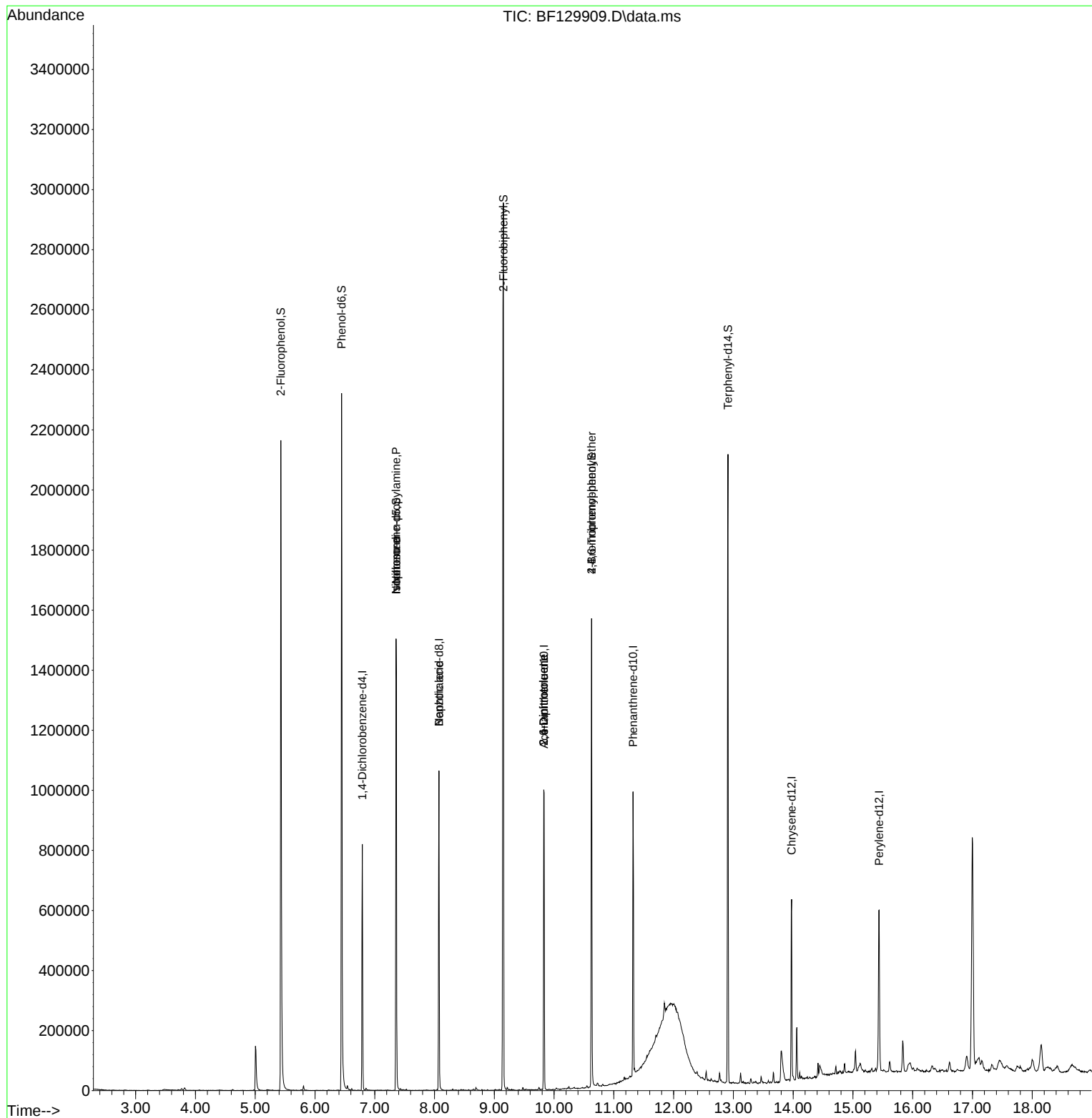
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	110863	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	433674	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	216186	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	314004	20.000	ng	0.00
76) Chrysene-d12	13.974	240	203898	20.000	ng	0.00
86) Perylene-d12	15.439	264	254528	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	623163	93.067	ng	0.00
7) Phenol-d6	6.445	99	765975	91.350	ng	0.00
23) Nitrobenzene-d5	7.357	82	486834	60.094	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	169435	78.090	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	905339	63.604	ng	0.00
79) Terphenyl-d14	12.910	244	684098	55.827	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.340	77	54	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	64506	12.171	ng	# 78
25) Isophorone	7.357	82	486831	34.915	ng	# 65
32) Benzoic acid	8.075	122	69	2.184	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	27500	8.180	ng	# 23
57) 2,4-Dinitrotoluene	9.828	165	27500	6.301	ng	# 18
67) 4-Bromophenyl-phenylether	10.628	248	11001	2.991	ng	# 1
77) Benzidine	12.910	184	9300	Below Cal	#	92

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

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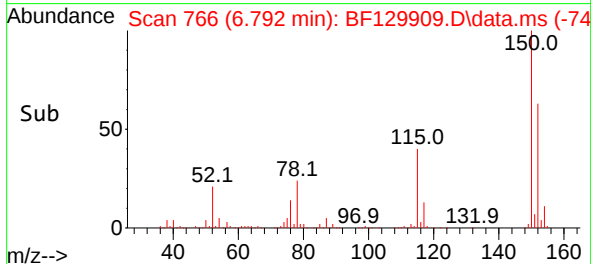
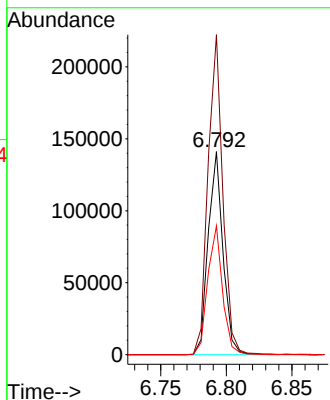
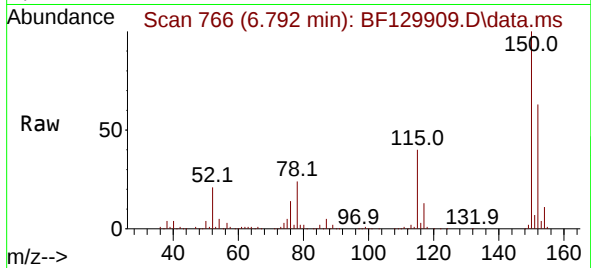




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

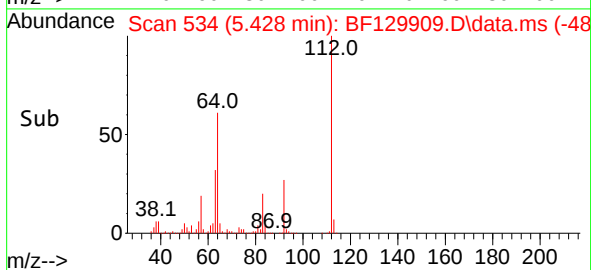
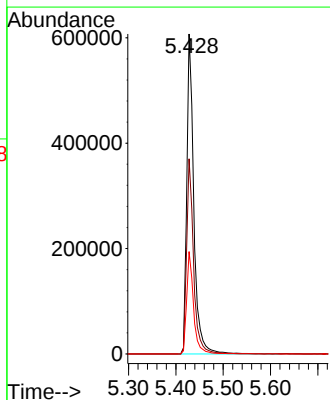
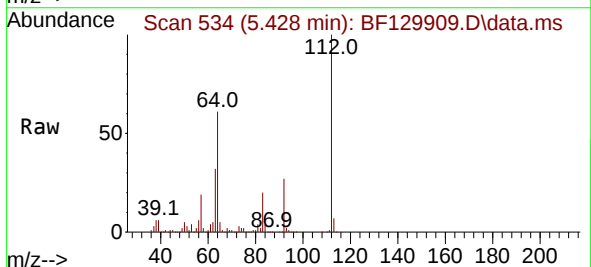
Instrument :
BNA_F
ClientSampleId :
SP-3

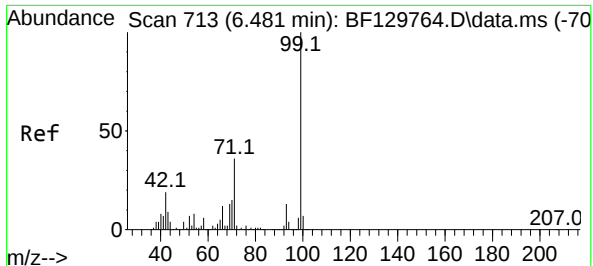
Tgt Ion:152 Resp: 110863
Ion Ratio Lower Upper
152 100
150 157.6 126.9 190.3
115 63.4 53.4 80.0



#5
2-Fluorophenol
Concen: 93.067 ng
RT: 5.428 min Scan# 534
Delta R.T. 0.000 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

Tgt Ion:112 Resp: 623163
Ion Ratio Lower Upper
112 100
64 61.0 47.6 71.4
63 32.0 24.6 37.0

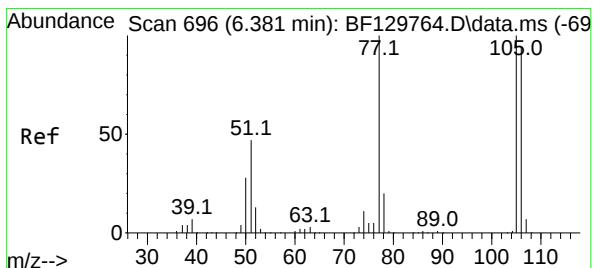
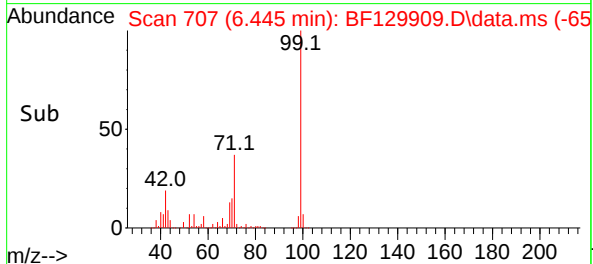
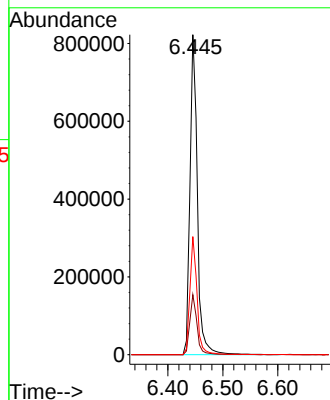
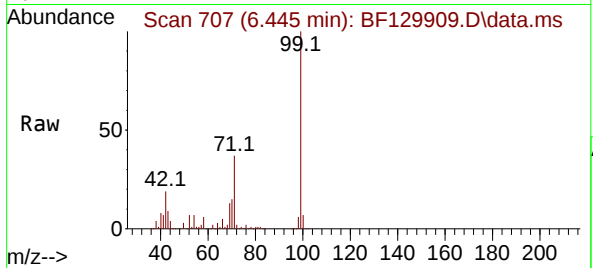




#7
Phenol-d6
Concen: 91.350 ng
RT: 6.445 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

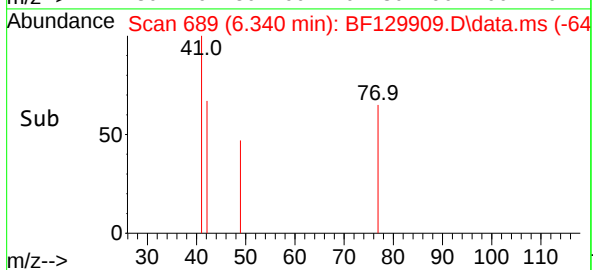
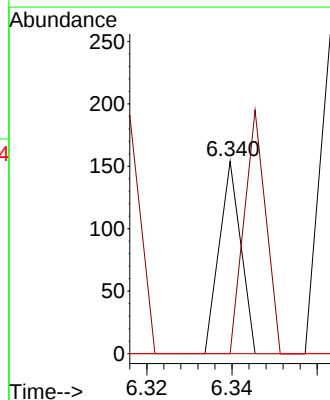
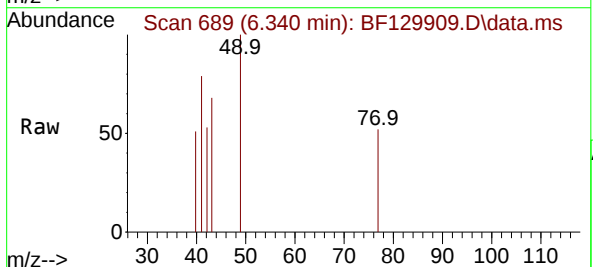
Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion: 99 Resp: 765975
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.4
71 36.9 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.340 min Scan# 689
Delta R.T. -0.012 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

Tgt Ion: 77 Resp: 54
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

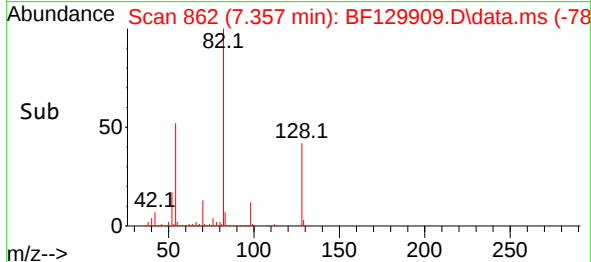
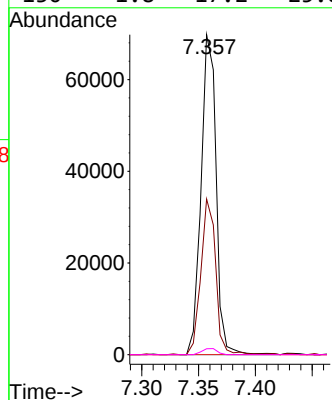
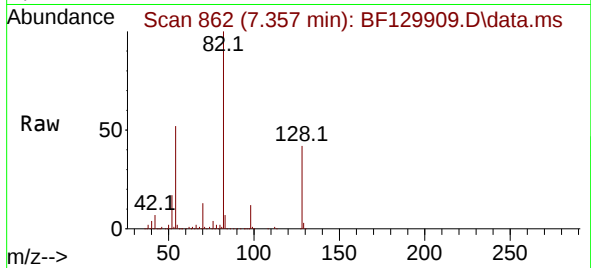




#19
n-Nitroso-di-n-propylamine
Concen: 12.171 ng
RT: 7.357 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

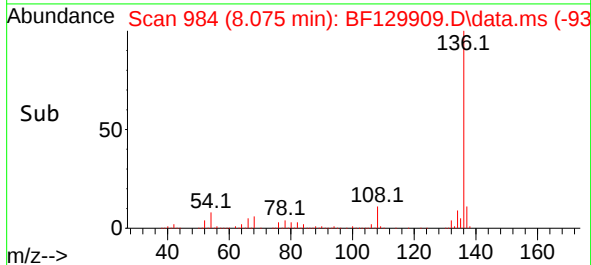
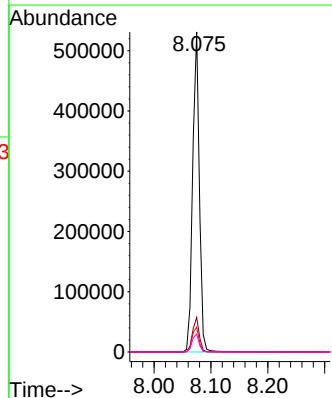
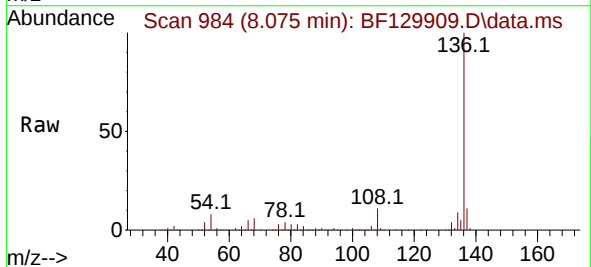
Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion: 70 Resp: 64506
Ion Ratio Lower Upper
70 100
42 48.6 47.6 71.4
101 0.0 8.1 12.1#
130 1.8 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

Tgt Ion: 136 Resp: 433674
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.8 6.2 9.2
68 5.6 4.2 6.4

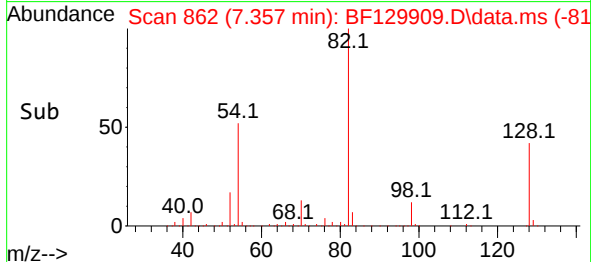
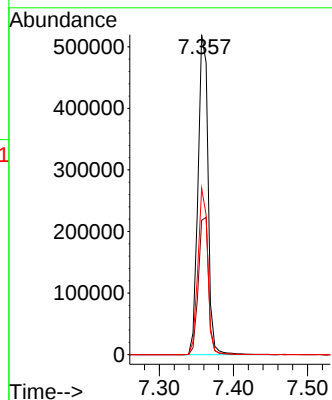
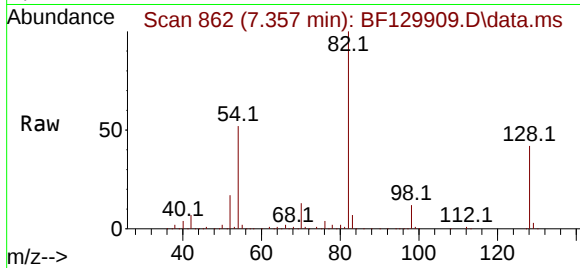




#23
Nitrobenzene-d5
Concen: 60.094 ng
RT: 7.357 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

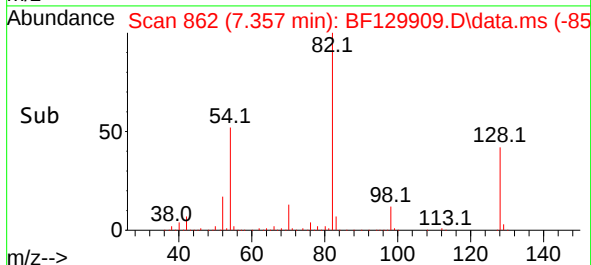
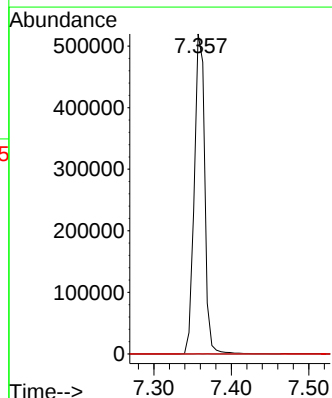
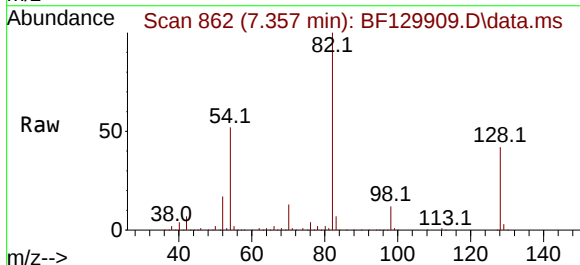
Instrument :
BNA_F
ClientSampleId :
SP-3

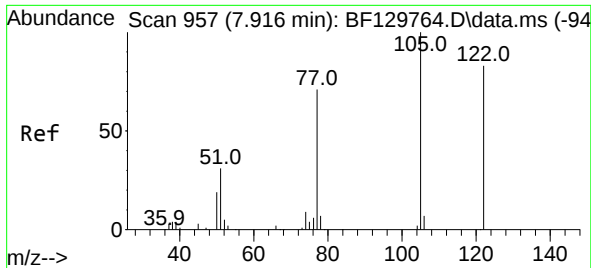
Tgt Ion: 82 Resp: 486834
Ion Ratio Lower Upper
82 100
128 42.0 36.1 54.1
54 52.1 40.0 60.0



#25
Isophorone
Concen: 34.915 ng
RT: 7.357 min Scan# 862
Delta R.T. -0.265 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

Tgt Ion: 82 Resp: 486831
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

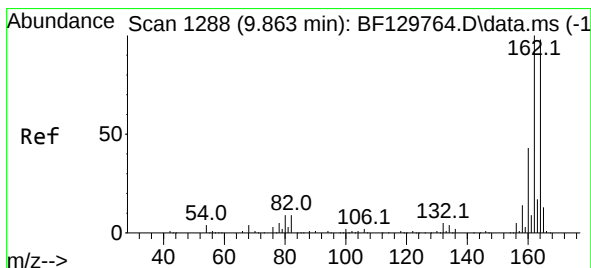
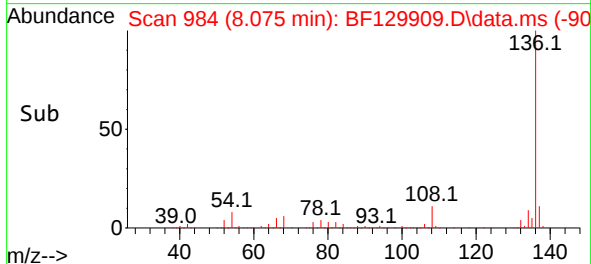
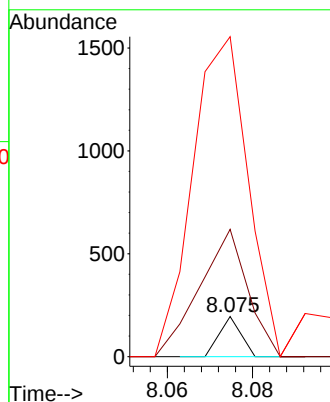
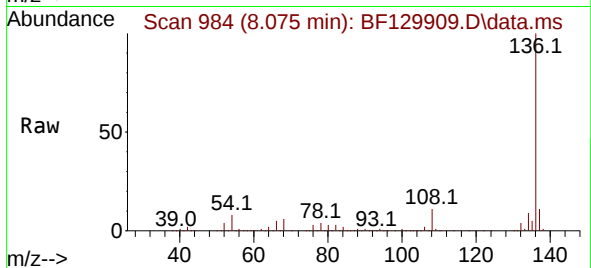




#32
Benzoic acid
Concen: 2.184 ng
RT: 8.075 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

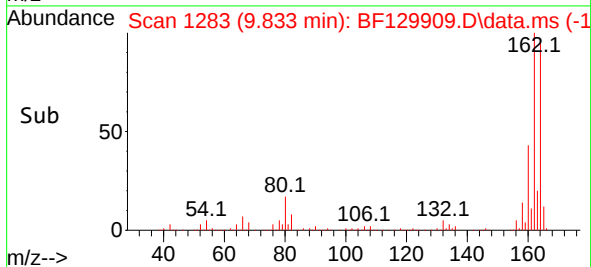
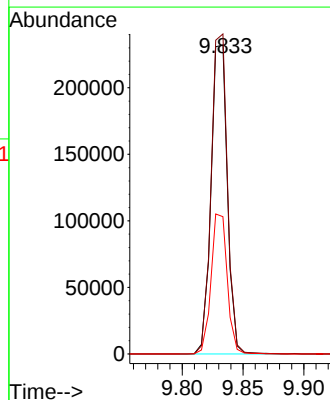
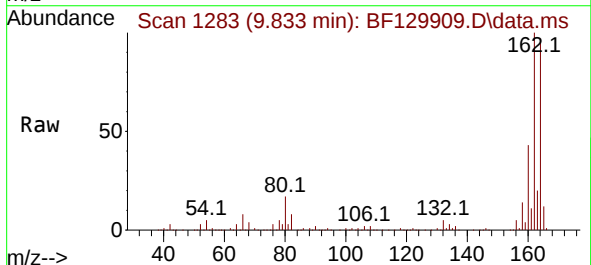
Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:122	Resp:	69
Ion	Ratio	Lower Upper
122	100	
105	317.4	99.9 139.9#
77	797.4	65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

Tgt Ion:164	Resp:	216186
Ion	Ratio	Lower Upper
164	100	
162	103.6	82.0 123.0
160	44.4	35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 78.090 ng

RT: 10.628 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF129909.D

Acq: 19 Aug 2022 13:34

Instrument :

BNA_F

ClientSampleId :

SP-3

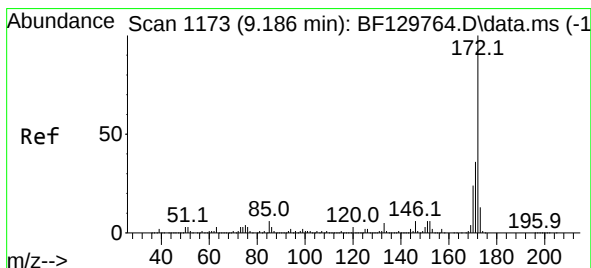
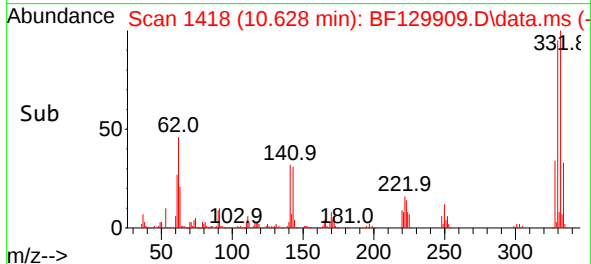
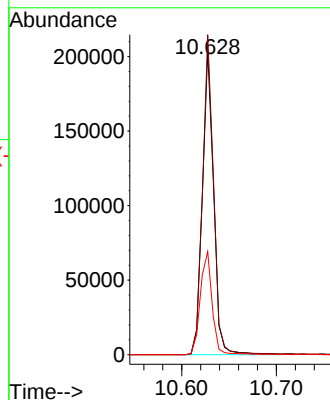
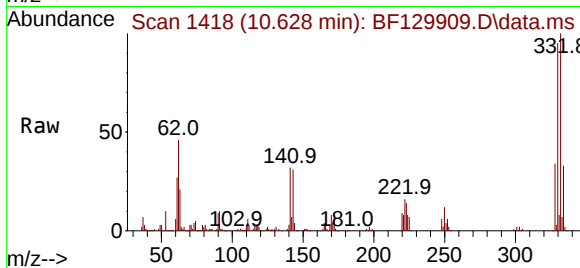
Tgt Ion:330 Resp: 169435

Ion Ratio Lower Upper

330 100

332 103.3 82.6 124.0

141 35.8 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 63.604 ng

RT: 9.151 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF129909.D

Acq: 19 Aug 2022 13:34

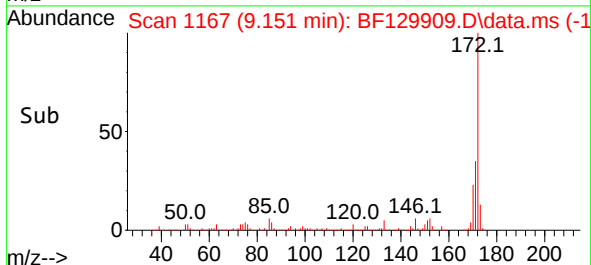
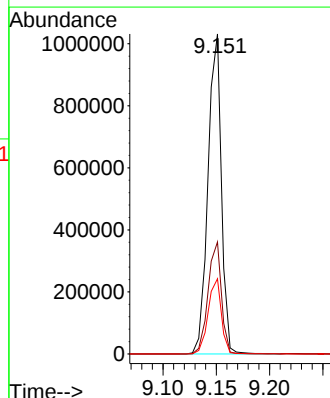
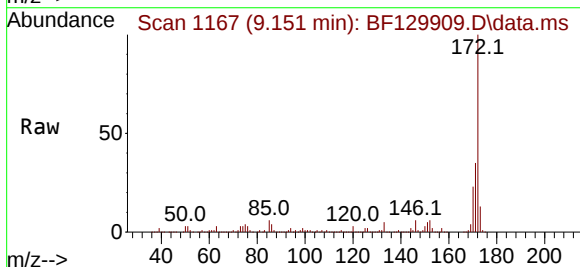
Tgt Ion:172 Resp: 905339

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.5 19.1 28.7

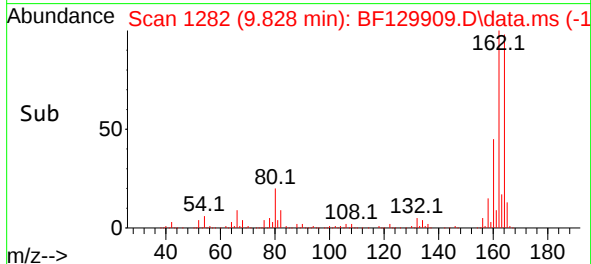
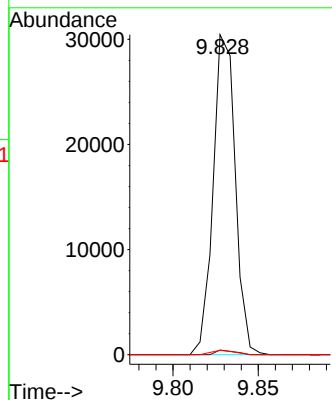
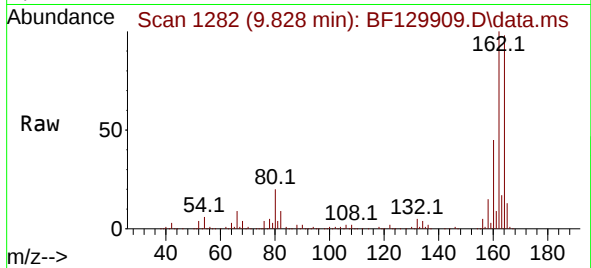




#51
2,6-Dinitrotoluene
Concen: 8.180 ng
RT: 9.828 min Scan# 1282
Delta R.T. 0.200 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

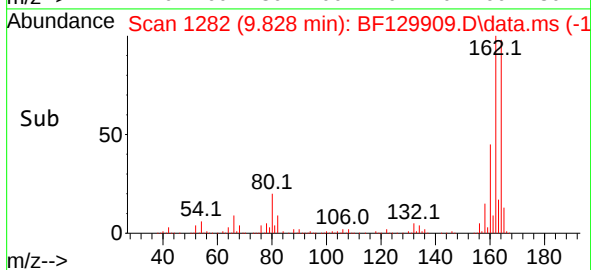
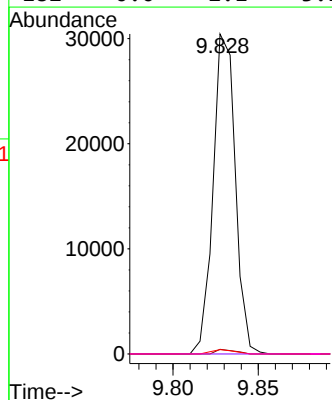
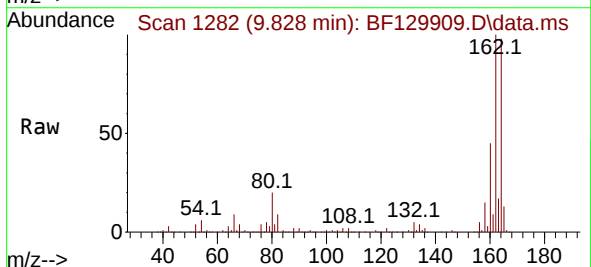
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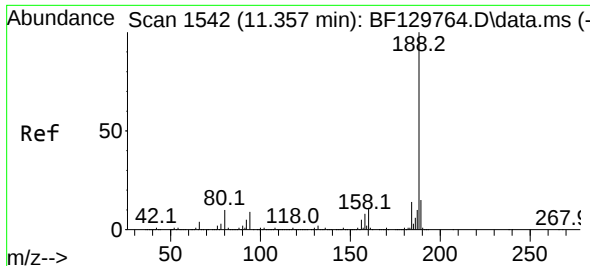
Tgt Ion:165 Resp: 27500
Ion Ratio Lower Upper
165 100
63 1.4 47.8 71.8#
89 1.4 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.301 ng
RT: 9.828 min Scan# 1282
Delta R.T. -0.212 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

Tgt Ion:165 Resp: 27500
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.4 62.3 93.5#
182 0.0 2.1 3.1#

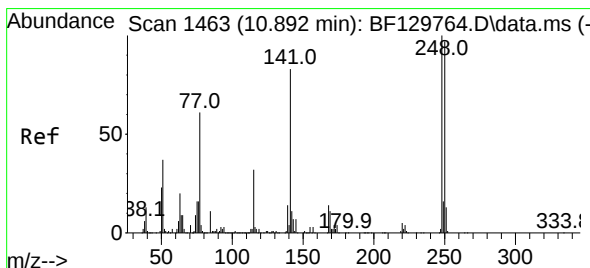
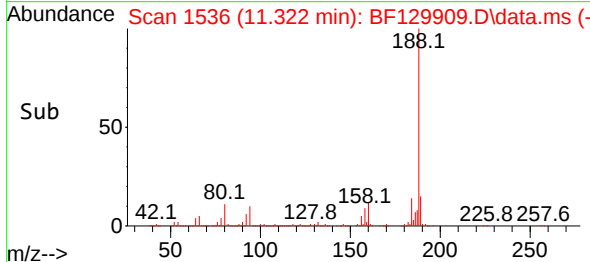
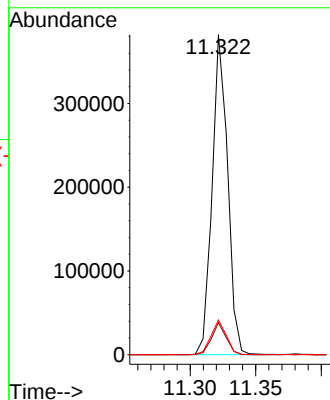
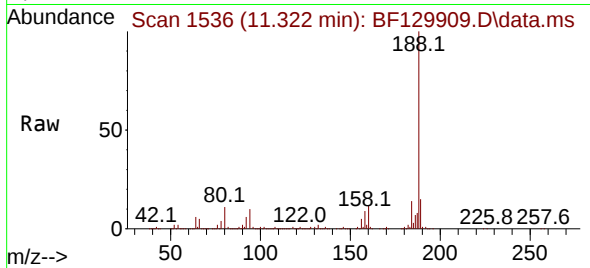




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

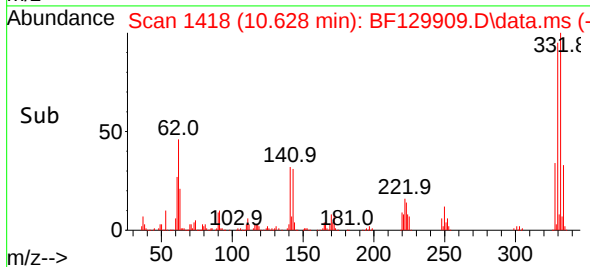
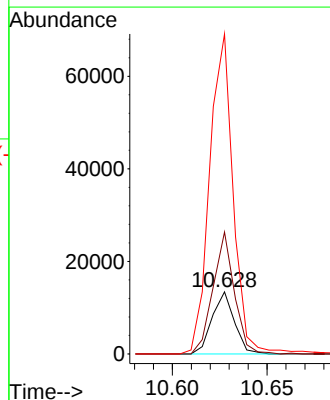
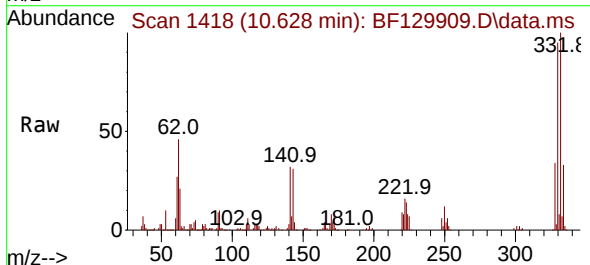
Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:188 Resp: 314004
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 10.9 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.991 ng
RT: 10.628 min Scan# 1418
Delta R.T. -0.235 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

Tgt Ion:248 Resp: 11001
Ion Ratio Lower Upper
248 100
250 196.4 77.8 116.6#
141 515.4 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129909.D

Acq: 19 Aug 2022 13:34

Instrument :

BNA_F

ClientSampleId :

SP-3

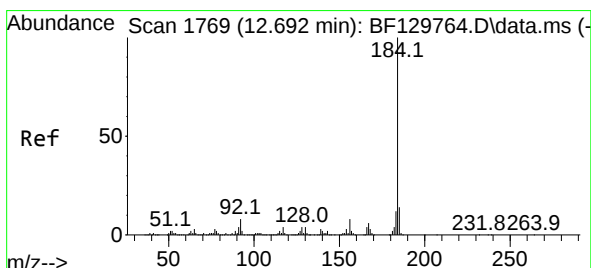
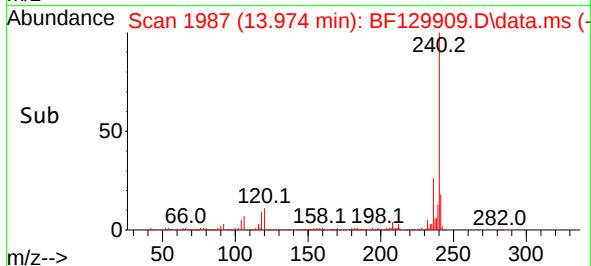
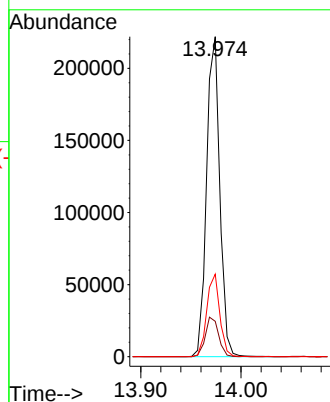
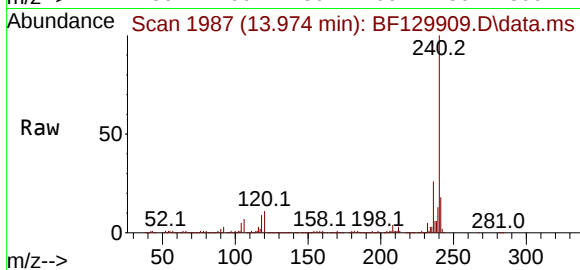
Tgt Ion:240 Resp: 203898

Ion Ratio Lower Upper

240 100

120 11.1 9.2 13.8

236 25.8 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.910 min Scan# 1806

Delta R.T. 0.247 min

Lab File: BF129909.D

Acq: 19 Aug 2022 13:34

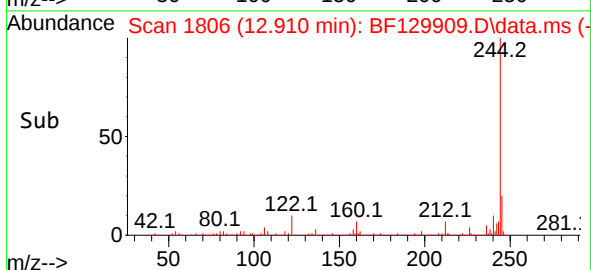
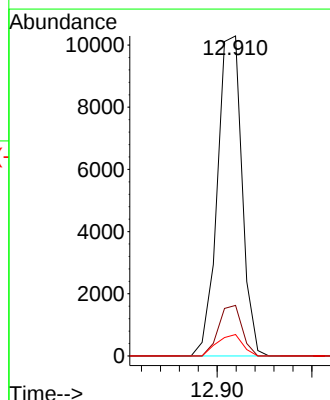
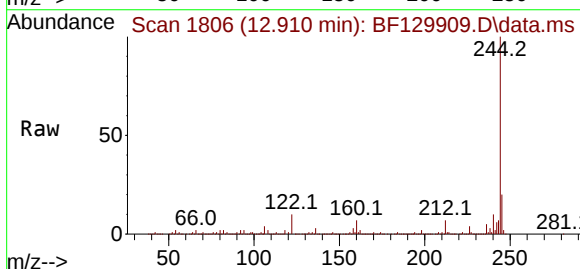
Tgt Ion:184 Resp: 9300

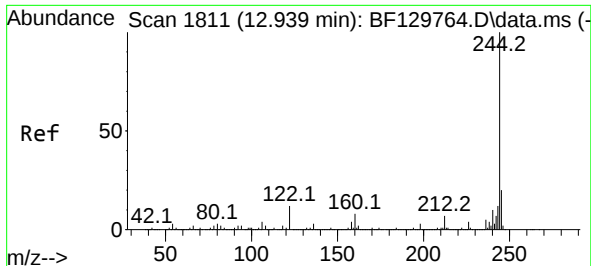
Ion Ratio Lower Upper

184 100

185 15.8 11.4 17.2

183 6.7 9.4 14.2#

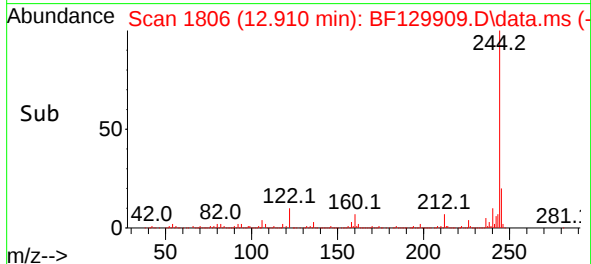
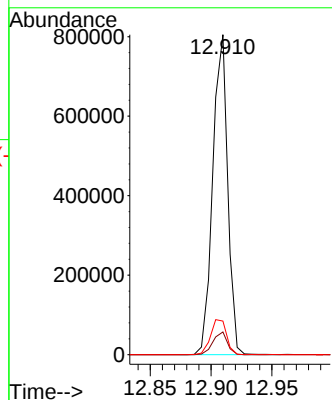
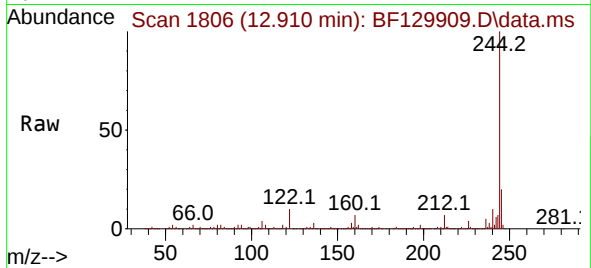




#79
Terphenyl-d14
Concen: 55.827 ng
RT: 12.910 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:244 Resp: 684098
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 10.5 9.9 14.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2236
Delta R.T. 0.012 min
Lab File: BF129909.D
Acq: 19 Aug 2022 13:34

Tgt Ion:264 Resp: 254528
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 20.4 16.7 25.1

