

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121123\
 Data File : BF136504.D
 Acq On : 11 Dec 2023 22:28
 Operator : CG\JU
 Sample : 05659-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-120623

Quant Time: Dec 11 23:47:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

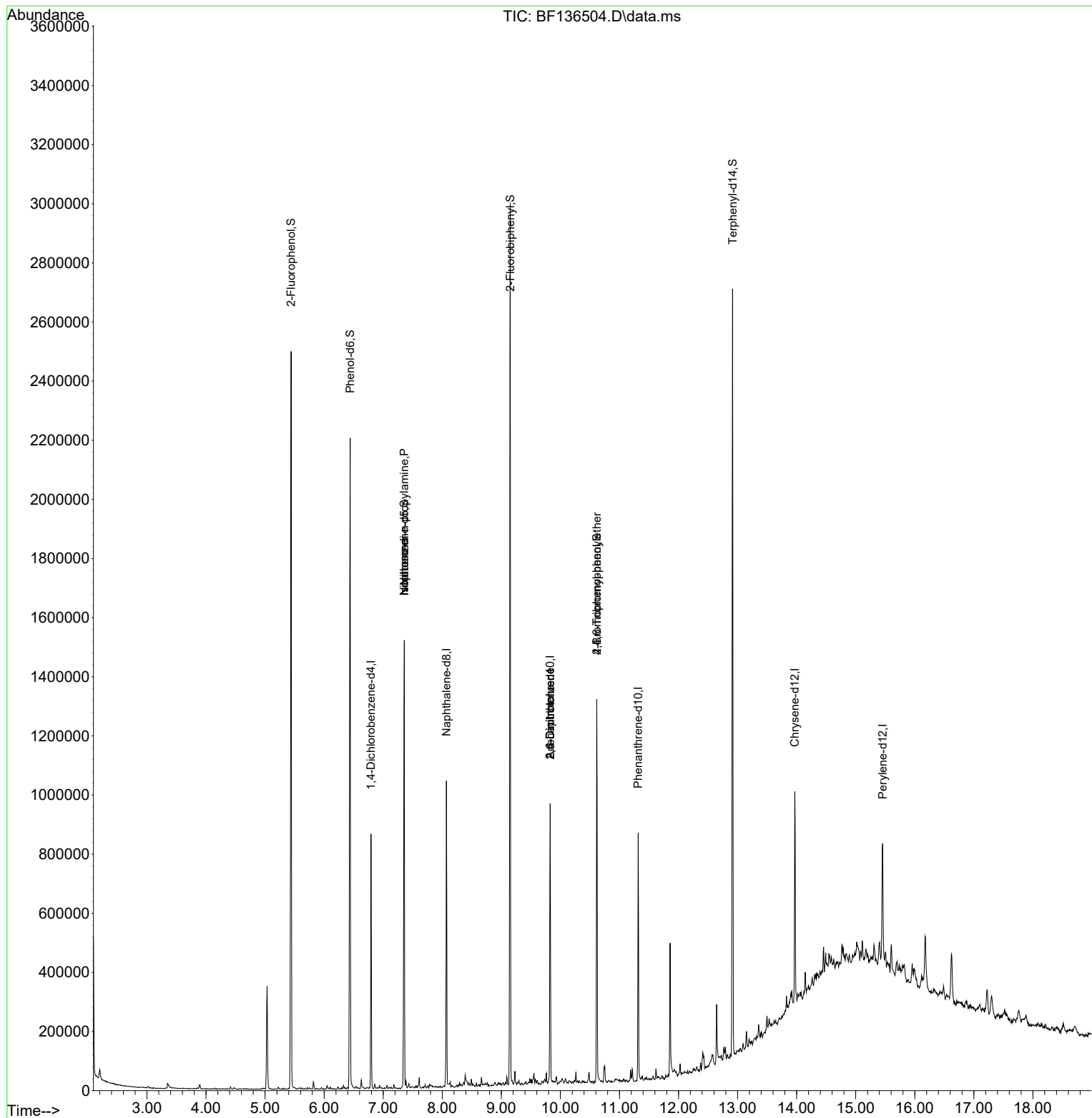
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	114591	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	420134	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	178192	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	288581	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	238964	20.000	ng	#-0.01
86) Perylene-d12	15.457	264	209057	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	682105	87.908	ng	0.00
7) Phenol-d6	6.440	99	804774	83.130	ng	0.00
23) Nitrobenzene-d5	7.357	82	486316	62.576	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	161570	73.537	ng	-0.02
45) 2-Fluorobiphenyl	9.151	172	914179	70.003	ng	-0.01
79) Terphenyl-d14	12.916	244	875847	48.309	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	78	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	63421	11.357	ng	# 75
25) Isophorone	7.357	82	484947	34.732	ng	# 65
51) 2,6-Dinitrotoluene	9.828	165	24677	8.361	ng	# 29
57) 2,4-Dinitrotoluene	9.828	165	24677	6.320	ng	# 28
67) 4-Bromophenyl-phenylether	10.616	248	9653	2.877	ng	# 1
77) Benzidine	12.663	184	385	Below Cal	#	1

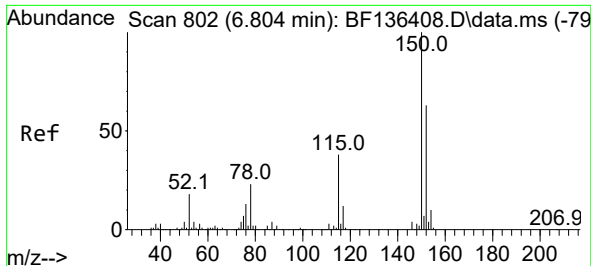
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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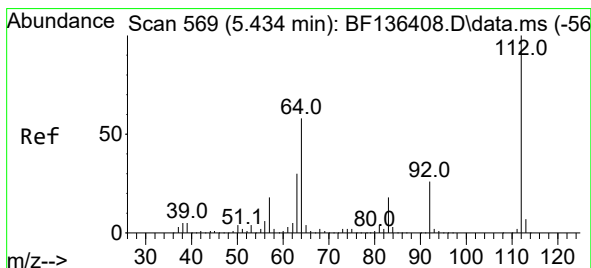
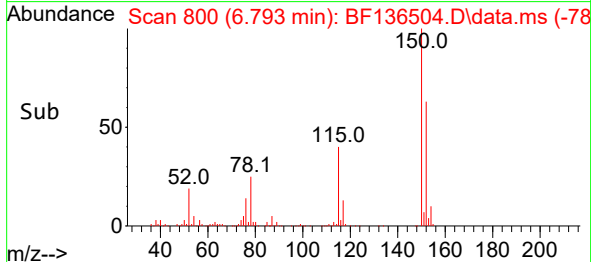
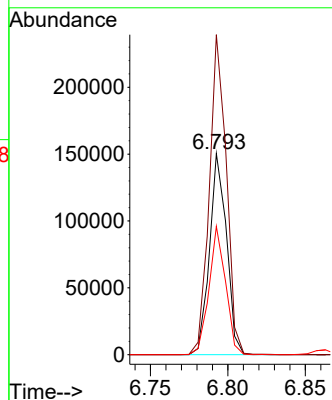
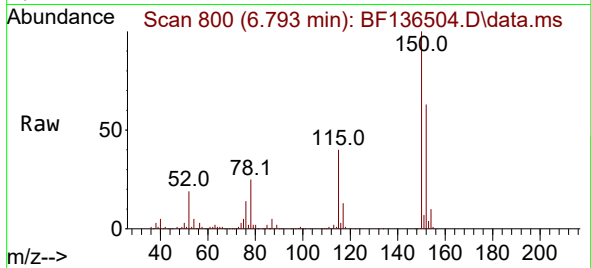




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

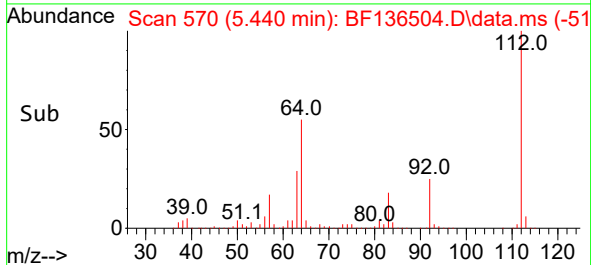
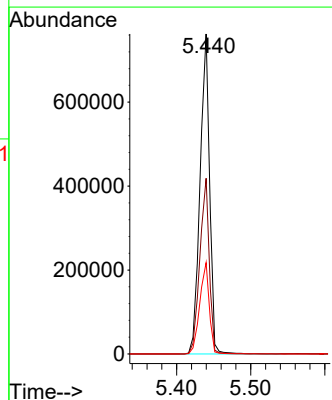
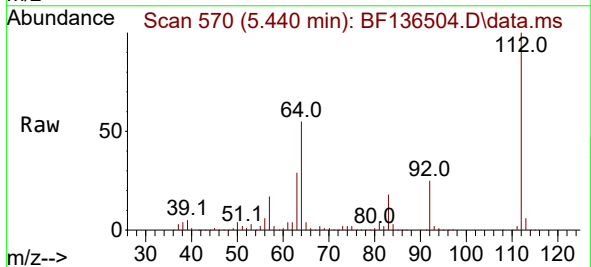
Instrument :
BNA_F
ClientSampleId :
SU-04-120623

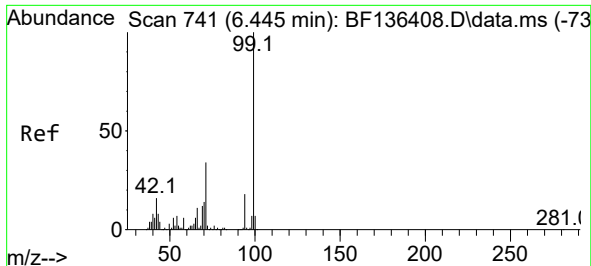
Tgt Ion:152 Resp: 114591
Ion Ratio Lower Upper
152 100
150 159.1 126.4 189.6
115 63.9 48.2 72.4



#5
2-Fluorophenol
Concen: 87.908 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

Tgt Ion:112 Resp: 682105
Ion Ratio Lower Upper
112 100
64 54.9 46.5 69.7
63 28.6 23.9 35.9

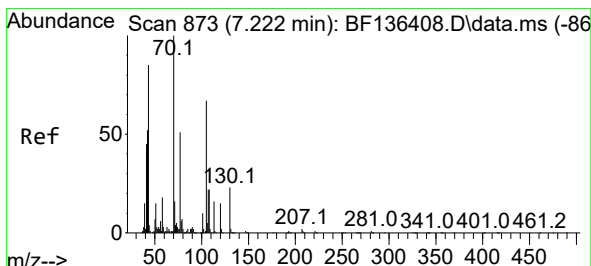
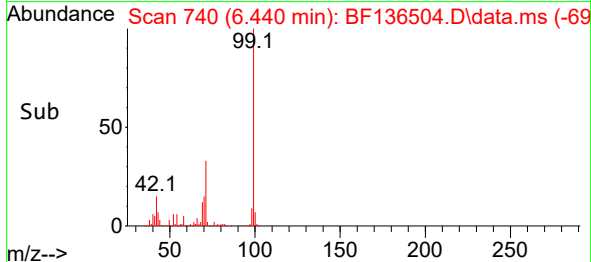
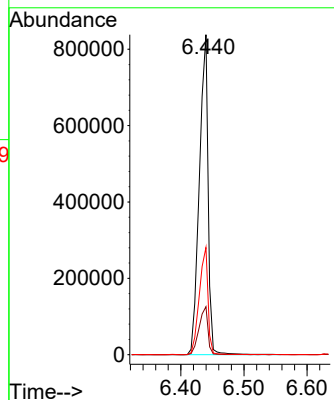
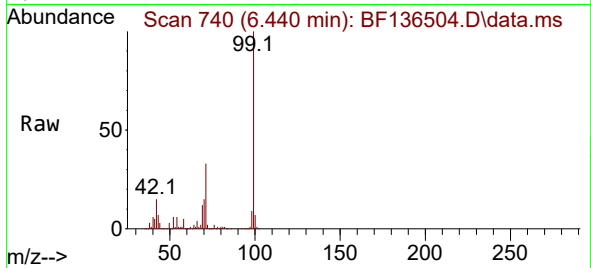




#7
Phenol-d6
Concen: 83.130 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

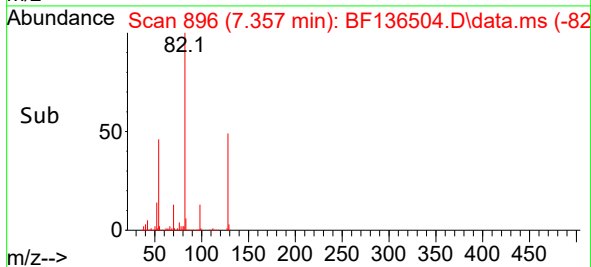
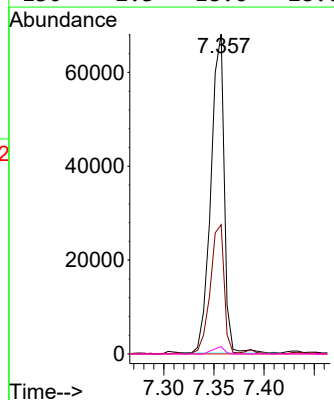
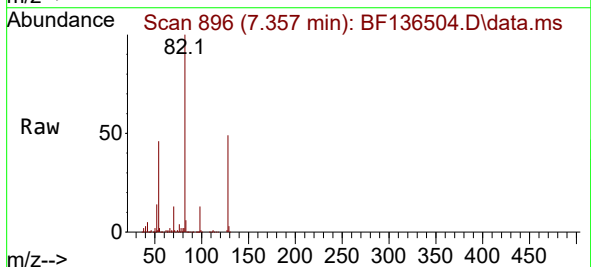
Instrument :
BNA_F
ClientSampleId :
SU-04-120623

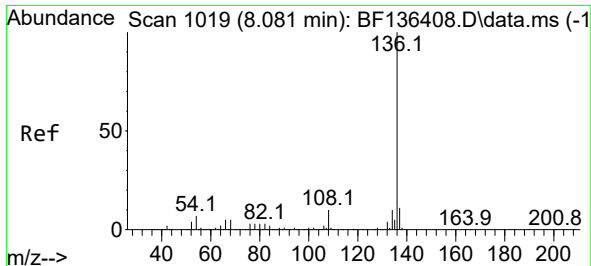
Tgt Ion: 99 Resp: 804774
Ion Ratio Lower Upper
99 100
42 15.0 12.8 19.2
71 33.5 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.357 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

Tgt Ion: 70 Resp: 63421
Ion Ratio Lower Upper
70 100
42 40.4 41.4 62.0#
101 0.0 8.2 12.4#
130 2.3 18.6 28.0#

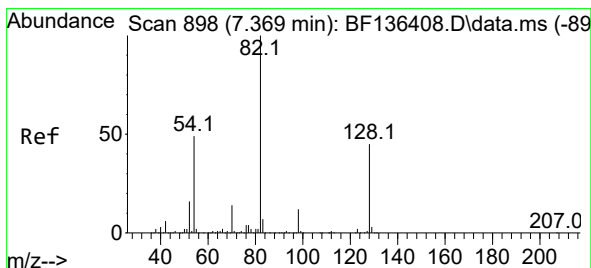
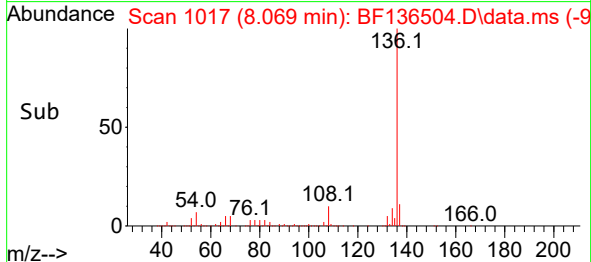
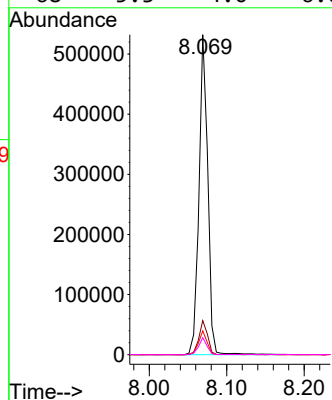
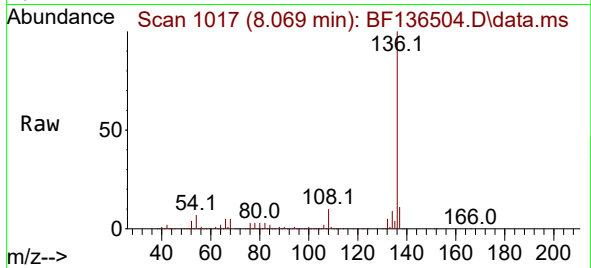




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

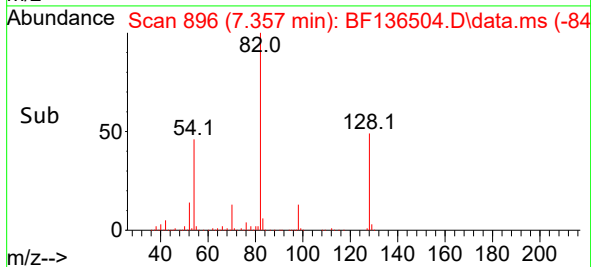
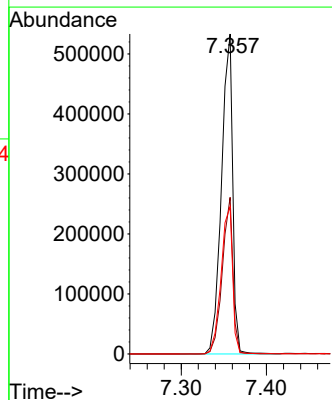
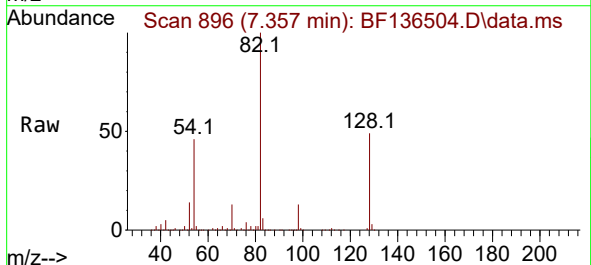
Instrument :
BNA_F
ClientSampleId :
SU-04-120623

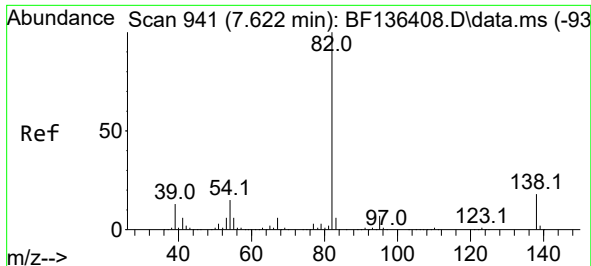
Tgt Ion:136 Resp: 420134
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.5 5.7 8.5
68 5.3 4.0 6.0



#23
Nitrobenzene-d5
Concen: 62.576 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

Tgt Ion: 82 Resp: 486316
Ion Ratio Lower Upper
82 100
128 49.0 36.3 54.5
54 46.1 39.0 58.6

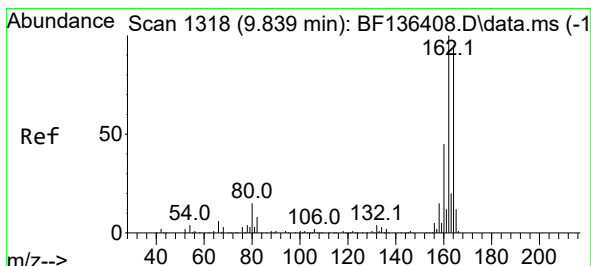
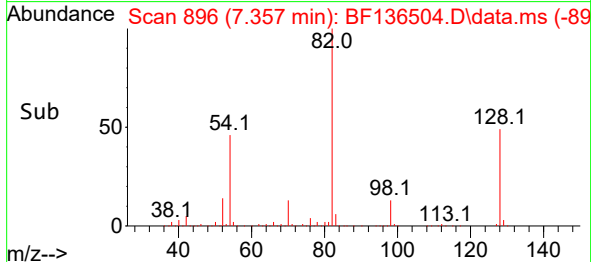
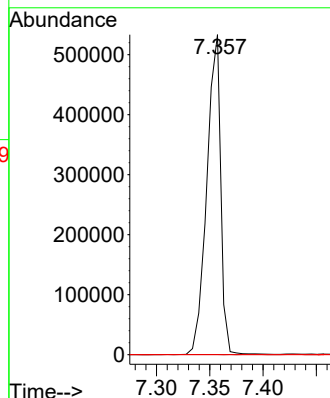
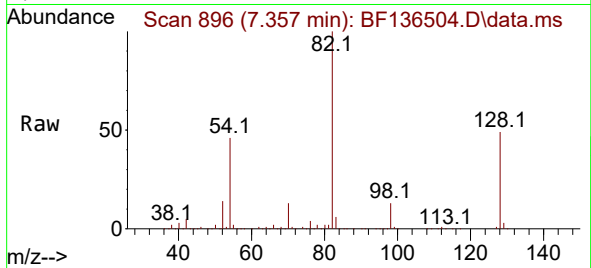




#25
Isophorone
Concen: 34.732 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

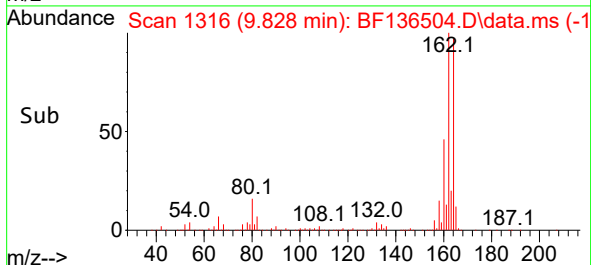
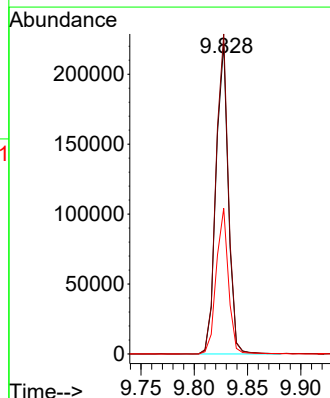
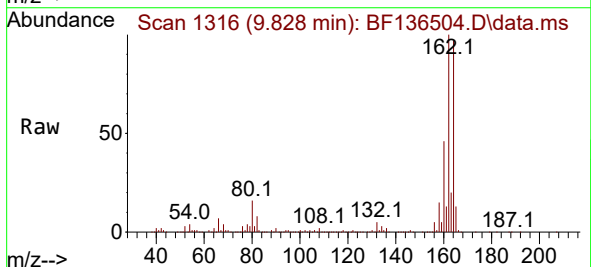
Instrument :
BNA_F
ClientSampleId :
SU-04-120623

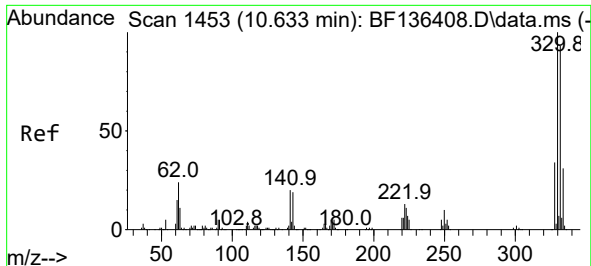
Tgt Ion: 82 Resp: 484947
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

Tgt Ion:164 Resp: 178192
Ion Ratio Lower Upper
164 100
162 103.2 84.4 126.6
160 47.0 37.6 56.4

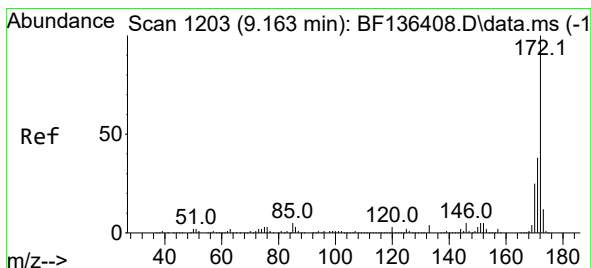
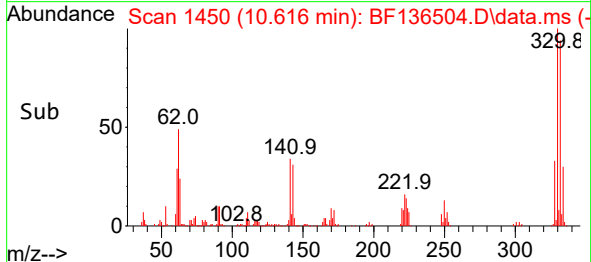
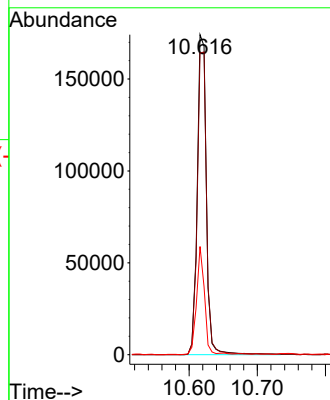
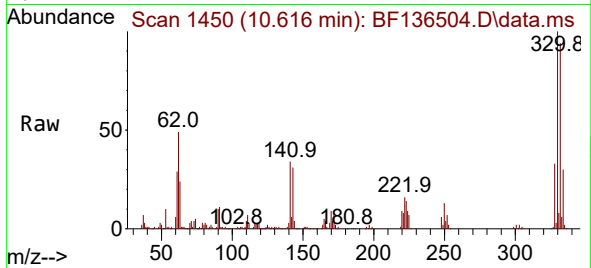




#42
 2,4,6-Tribromophenol
 Concen: 73.537 ng
 RT: 10.616 min Scan# 1450
 Delta R.T. -0.018 min
 Lab File: BF136504.D
 Acq: 11 Dec 2023 22:28

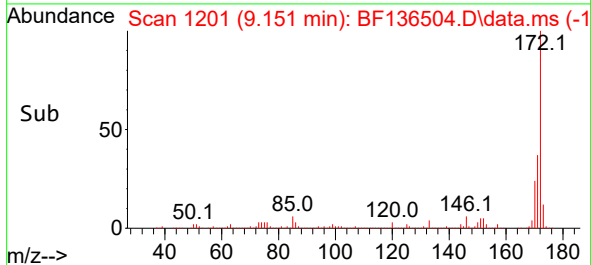
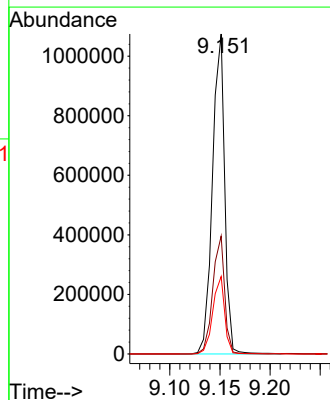
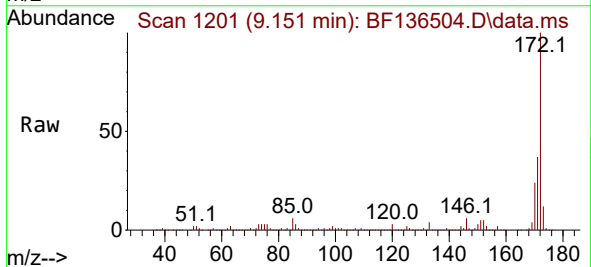
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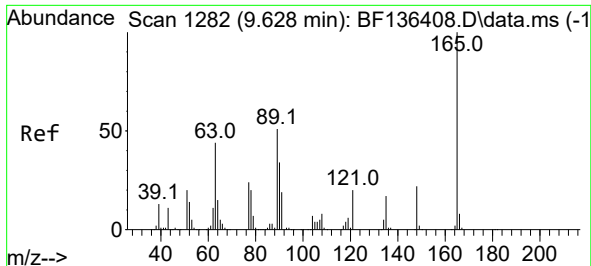
Tgt Ion:330 Resp: 161570
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.4 114.6
 141 29.6 23.4 35.2



#45
 2-Fluorobiphenyl
 Concen: 70.003 ng
 RT: 9.151 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF136504.D
 Acq: 11 Dec 2023 22:28

Tgt Ion:172 Resp: 914179
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.5 45.7
 170 24.2 19.9 29.9





#51

2,6-Dinitrotoluene

Concen: 8.361 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF136504.D

Acq: 11 Dec 2023 22:28

Instrument :

BNA_F

ClientSampleId :

SU-04-120623

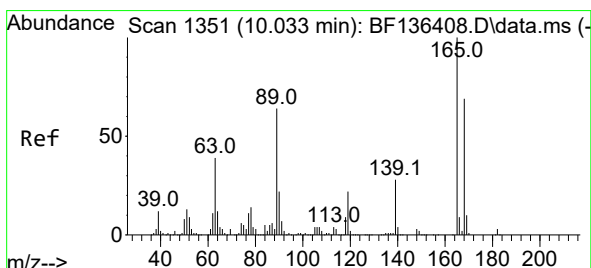
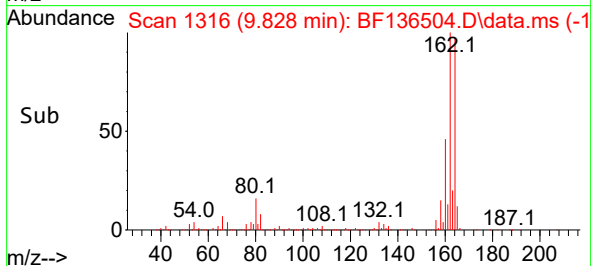
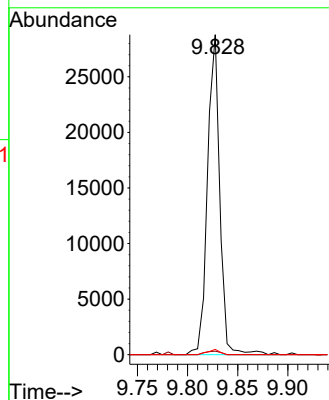
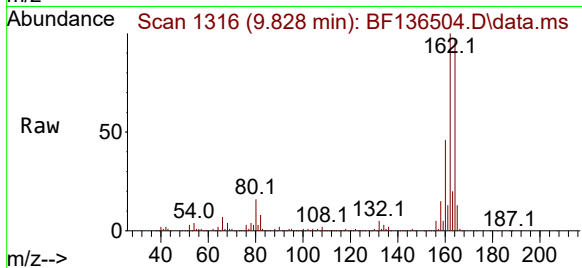
Tgt Ion:165 Resp: 24677

Ion Ratio Lower Upper

165 100

63 1.1 40.4 60.6#

89 1.7 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 6.320 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.206 min

Lab File: BF136504.D

Acq: 11 Dec 2023 22:28

Tgt Ion:165 Resp: 24677

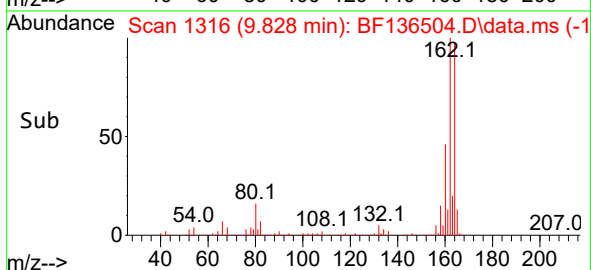
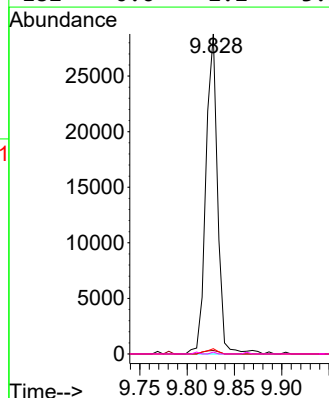
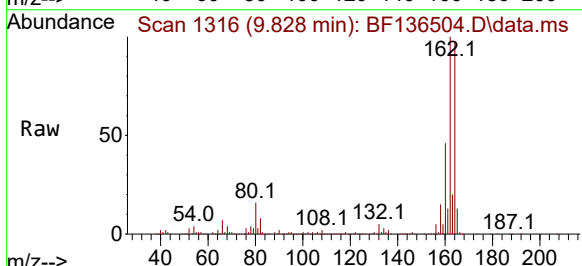
Ion Ratio Lower Upper

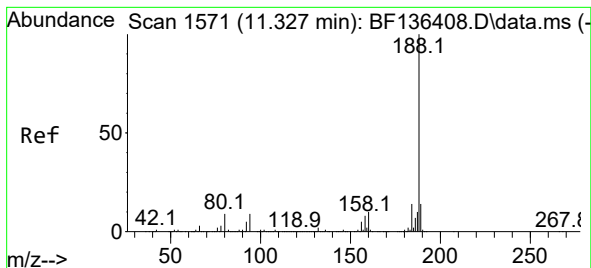
165 100

63 1.1 31.4 47.2#

89 1.7 51.7 77.5#

182 0.6 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136504.D

Acq: 11 Dec 2023 22:28

Instrument :

BNA_F

ClientSampleId :

SU-04-120623

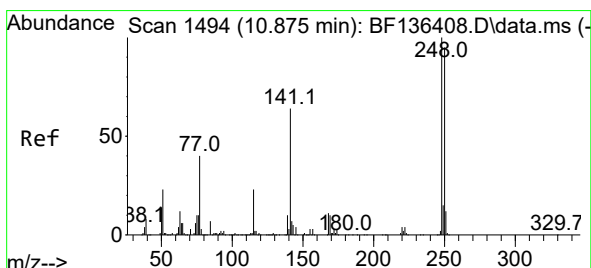
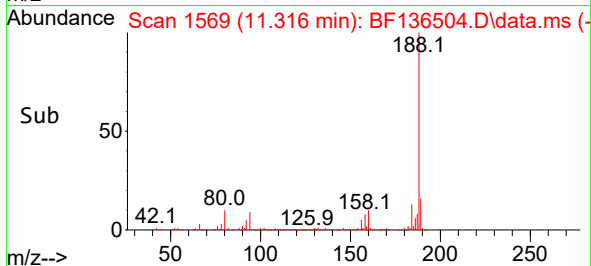
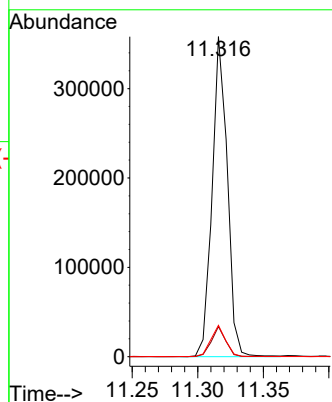
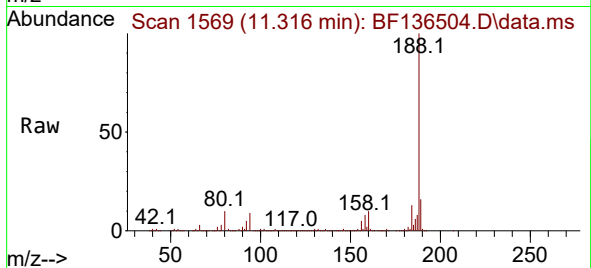
Tgt Ion:188 Resp: 288581

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

80 9.8 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 2.877 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.259 min

Lab File: BF136504.D

Acq: 11 Dec 2023 22:28

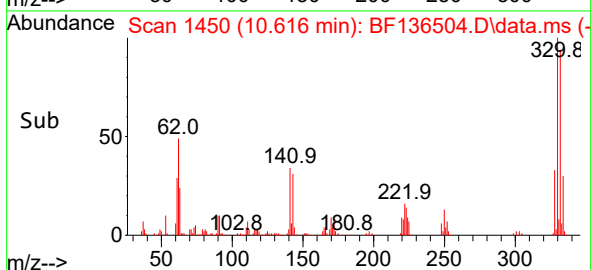
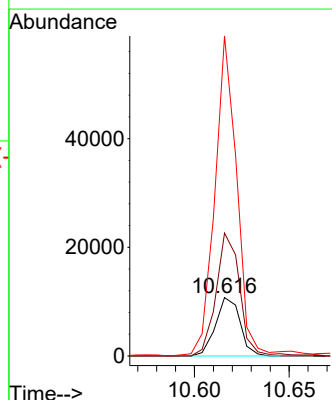
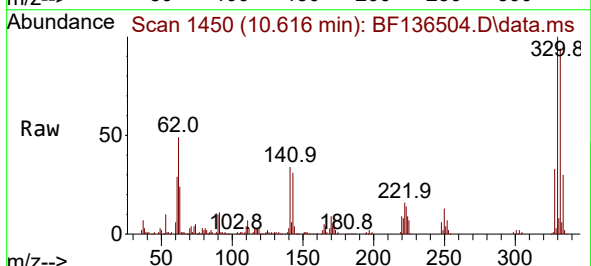
Tgt Ion:248 Resp: 9653

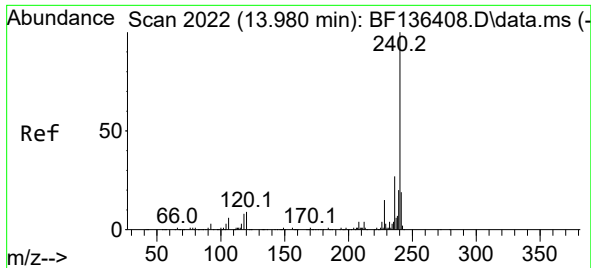
Ion Ratio Lower Upper

248 100

250 210.6 76.2 114.2#

141 548.1 51.0 76.4#

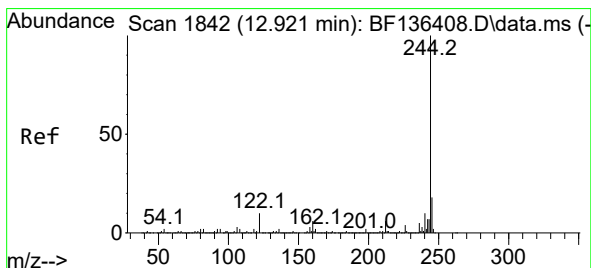
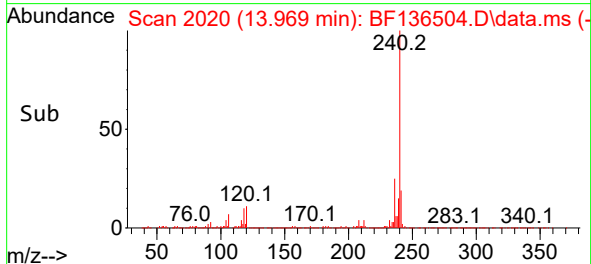
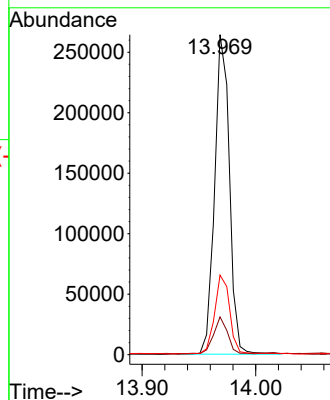
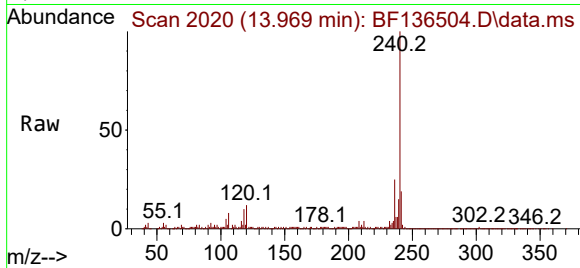




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

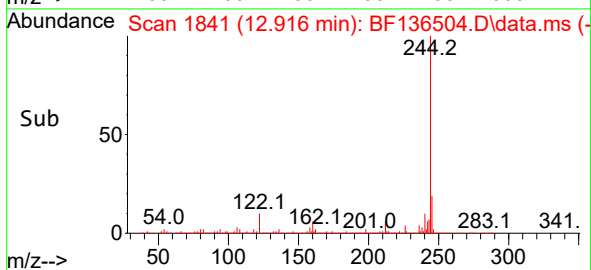
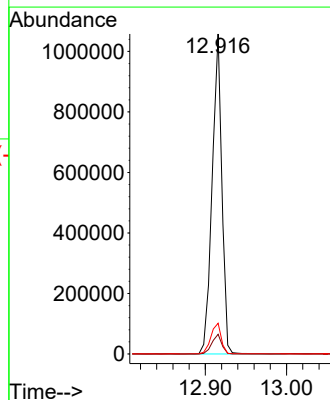
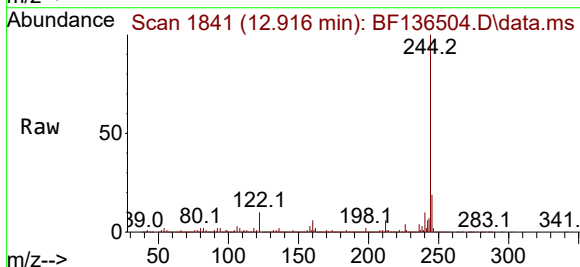
Instrument :
BNA_F
ClientSampleId :
SU-04-120623

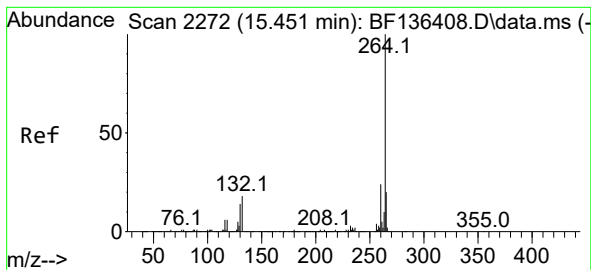
Tgt Ion:240 Resp: 238964
Ion Ratio Lower Upper
240 100
120 11.8 7.3 10.9#
236 24.9 21.3 31.9



#79
Terphenyl-d14
Concen: 48.309 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

Tgt Ion:244 Resp: 875847
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 9.6 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136504.D
Acq: 11 Dec 2023 22:28

Instrument :
BNA_F
ClientSampleId :
SU-04-120623

Tgt Ion:264 Resp: 209057

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.9	15.9	23.9

