

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136527.D
 Acq On : 12 Dec 2023 21:03
 Operator : CG\JU
 Sample : 05470-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Quant Time: Dec 12 23:21:20 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)

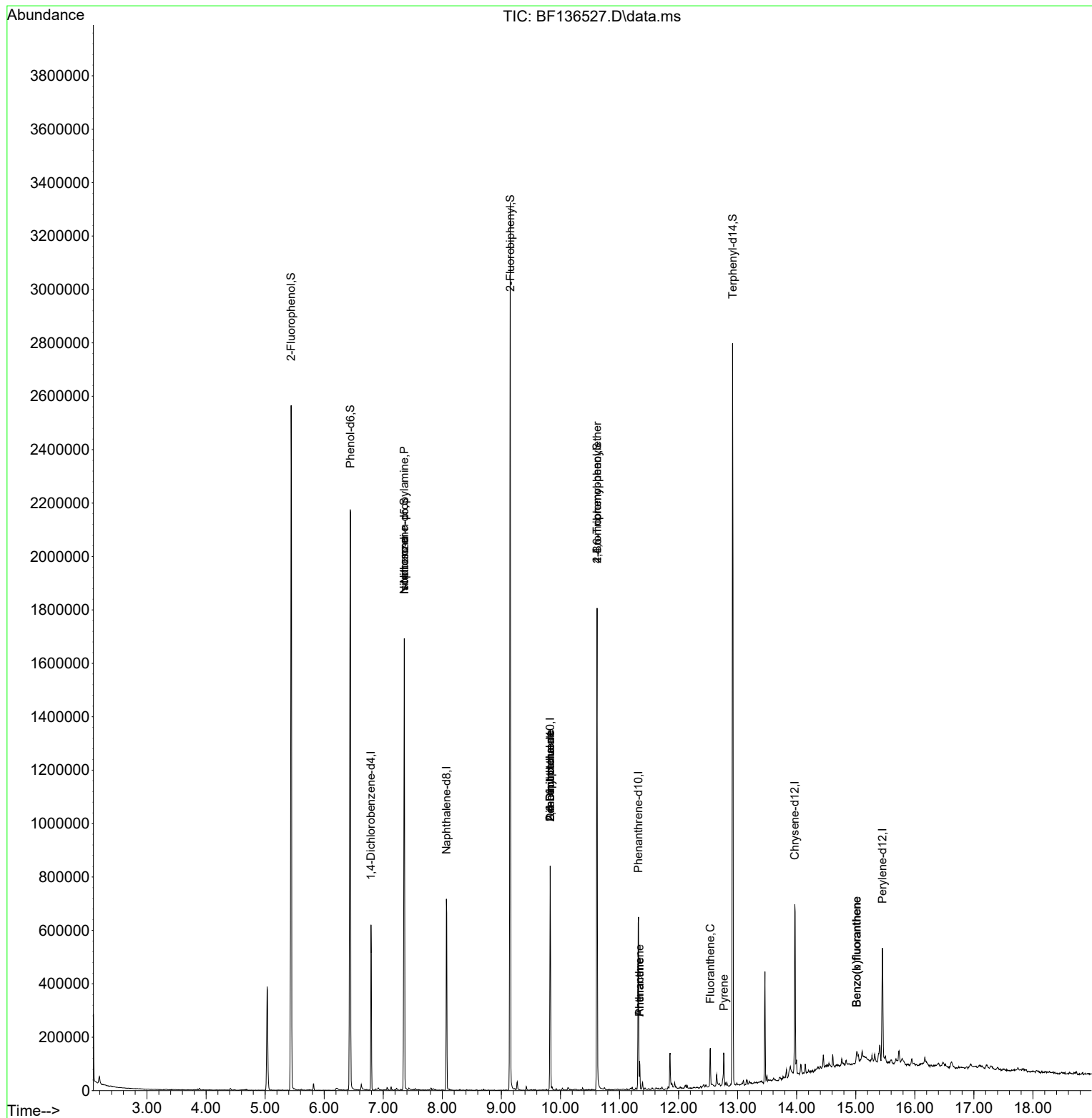
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	89275	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	330340	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	155549	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	254125	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	219835	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	209832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	799993	132.338	ng	0.00
7) Phenol-d6	6.445	99	965322	127.990	ng	0.00
23) Nitrobenzene-d5	7.357	82	552824	90.470	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	227693	118.718	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	980488	86.010	ng	-0.01
79) Terphenyl-d14	12.916	244	947358	56.800	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	1446	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	72093	16.570	ng	# 77
25) Isophorone	7.357	82	552818	50.356	ng	# 65
50) Dimethylphthalate	9.827	163	30845	2.693	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	19465	7.555	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	19465	5.711	ng	# 29
67) 4-Bromophenyl-phenylether	10.622	248	14140	4.786	ng	# 1
71) Phenanthrene	11.339	178	37949	2.717	ng	100
72) Anthracene	11.339	178	37949	2.697	ng	99
75) Fluoranthene	12.539	202	61273	4.186	ng	98
77) Benzidine	12.668	184	447	Below Cal	#	7
78) Pyrene	12.768	202	49991	2.322	ng	96
88) Benzo(b)fluoranthene	15.015	252	32612	2.273	ng	# 90
89) Benzo(k)fluoranthene	15.015	252	32612	2.412	ng	# 90

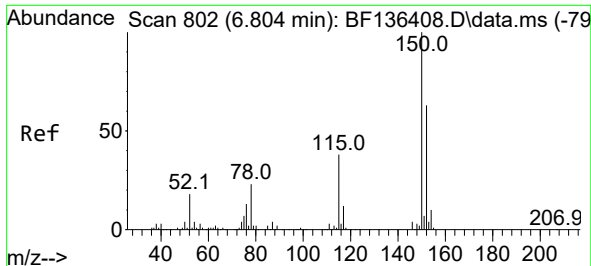
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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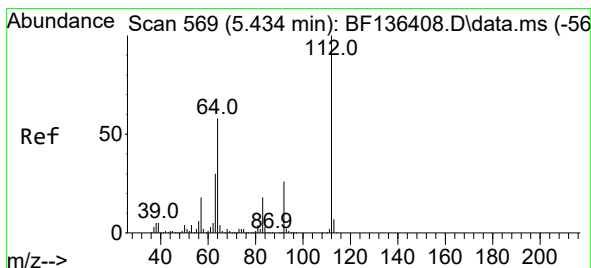
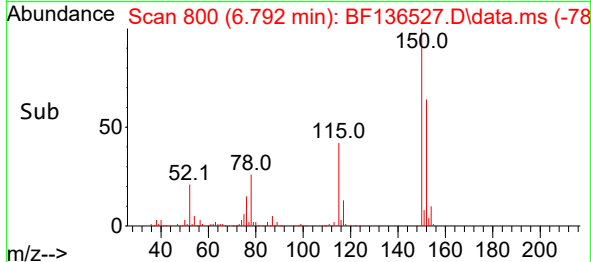
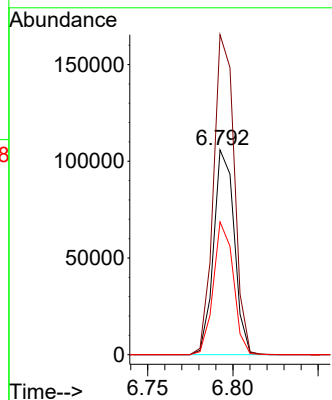
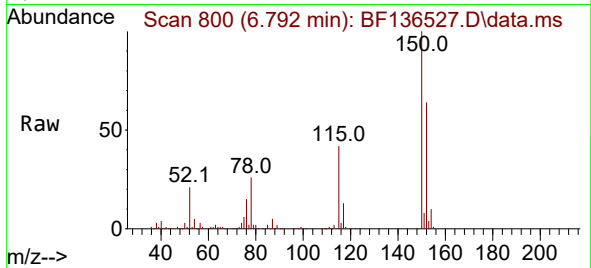




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

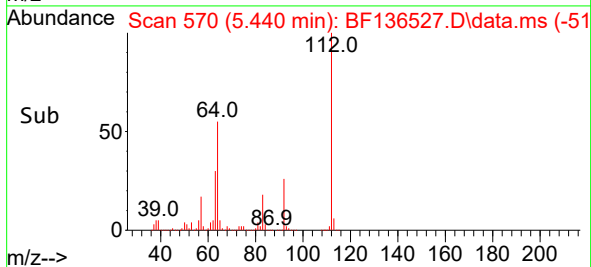
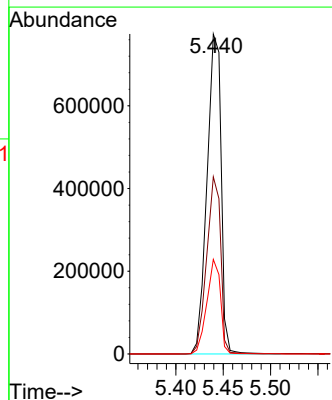
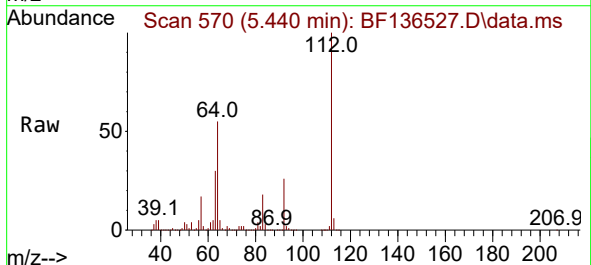
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BNA_F
ClientSampleId :
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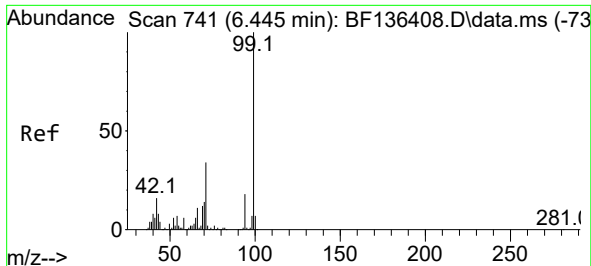
Tgt Ion:152 Resp: 89275
Ion Ratio Lower Upper
152 100
150 156.2 126.4 189.6
115 64.8 48.2 72.4



#5
2-Fluorophenol
Concen: 132.338 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

Tgt Ion:112 Resp: 799993
Ion Ratio Lower Upper
112 100
64 55.3 46.5 69.7
63 29.6 23.9 35.9

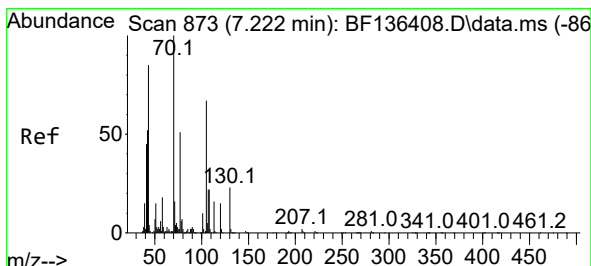
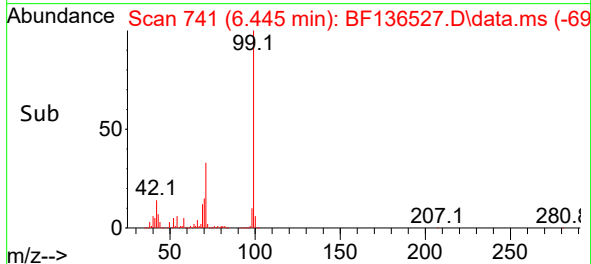
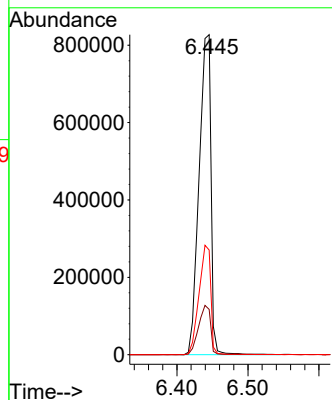
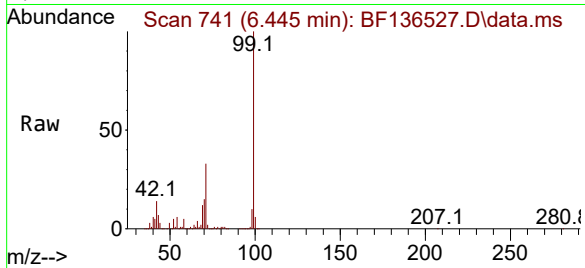




#7
Phenol-d6
Concen: 127.990 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

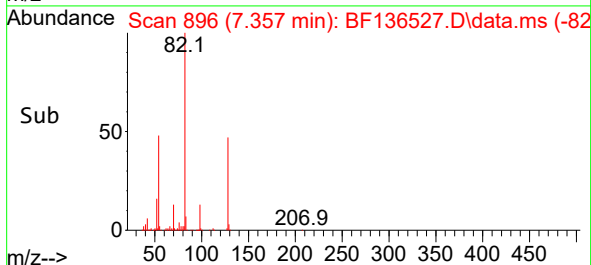
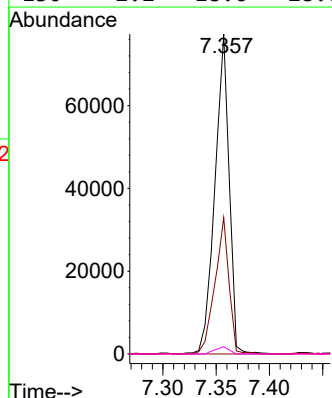
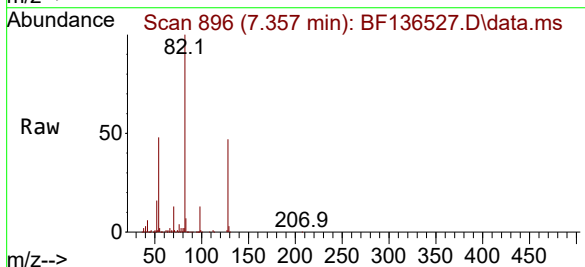
Instrument :
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ClientSampleId :
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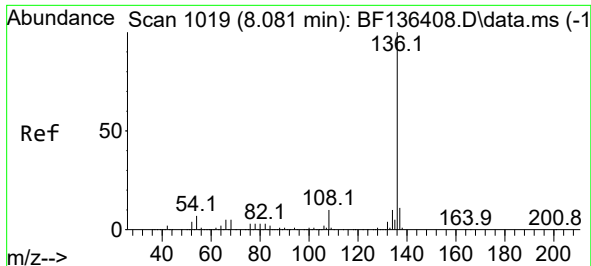
Tgt Ion: 99 Resp: 965322
Ion Ratio Lower Upper
99 100
42 14.2 12.8 19.2
71 32.7 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.570 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

Tgt Ion: 70 Resp: 72093
Ion Ratio Lower Upper
70 100
42 42.6 41.4 62.0
101 0.0 8.2 12.4#
130 2.2 18.6 28.0#

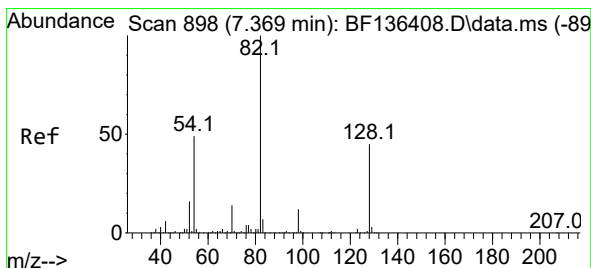
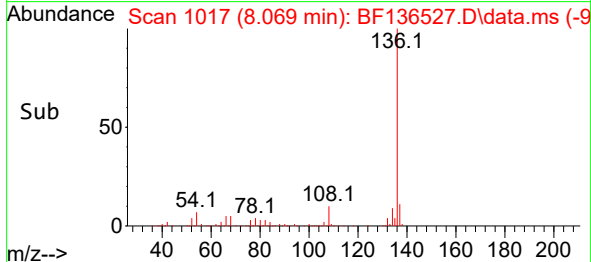
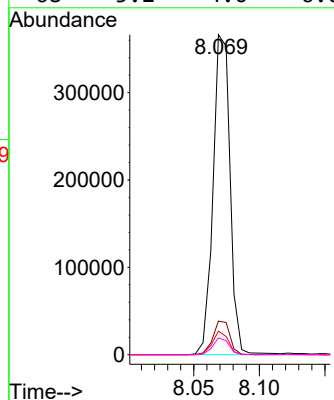
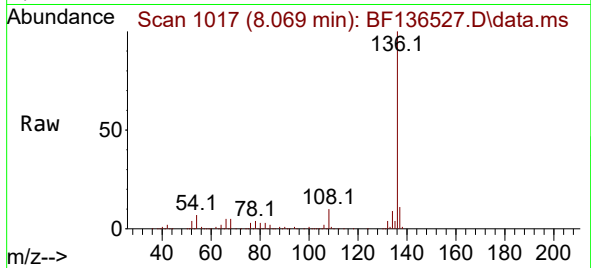




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

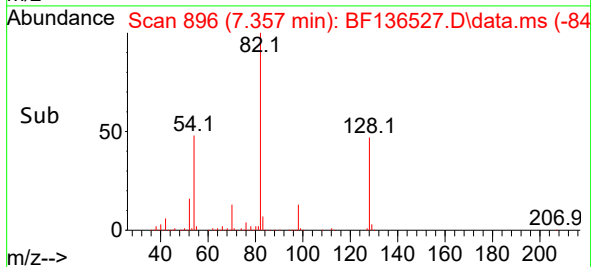
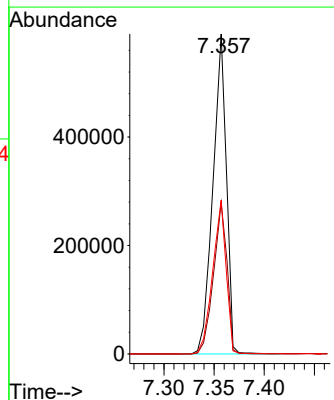
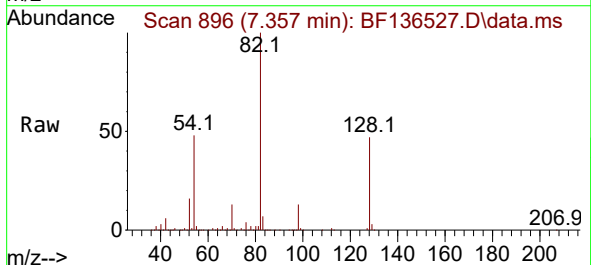
Instrument :
BNA_F
ClientSampleId :
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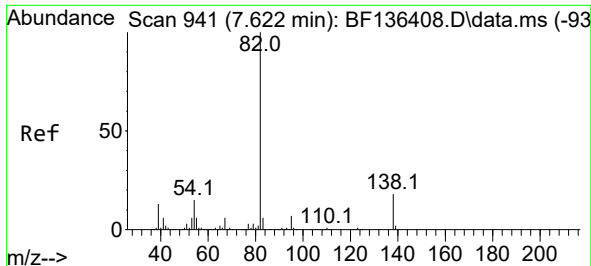
Tgt Ion:136 Resp: 330340
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.4 5.7 8.5
68 5.2 4.0 6.0



#23
Nitrobenzene-d5
Concen: 90.470 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

Tgt Ion: 82 Resp: 552824
Ion Ratio Lower Upper
82 100
128 47.3 36.3 54.5
54 48.1 39.0 58.6

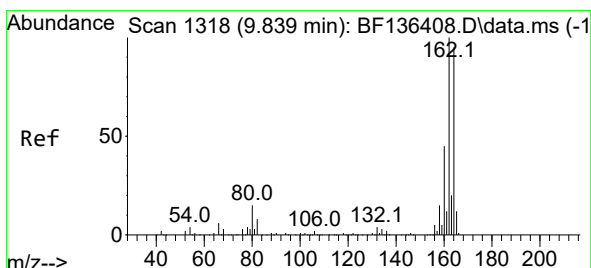
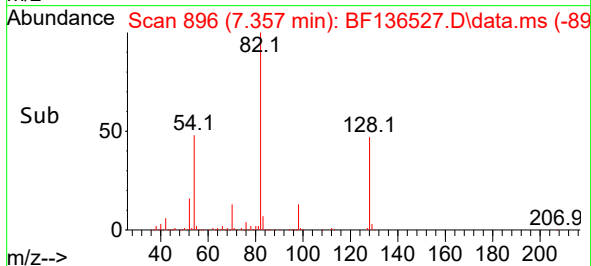
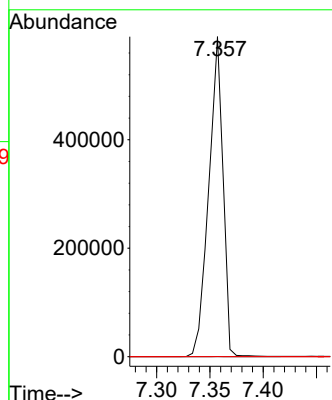
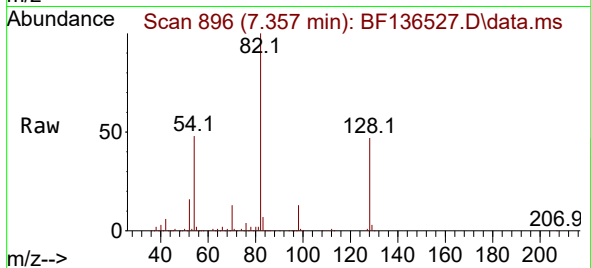




#25
Isophorone
Concen: 50.356 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

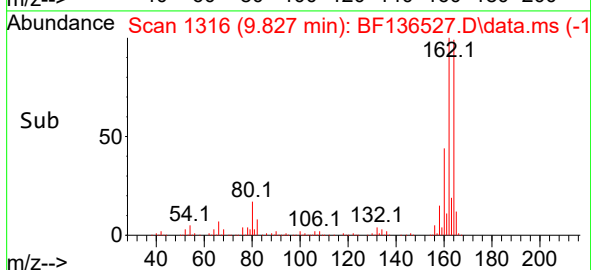
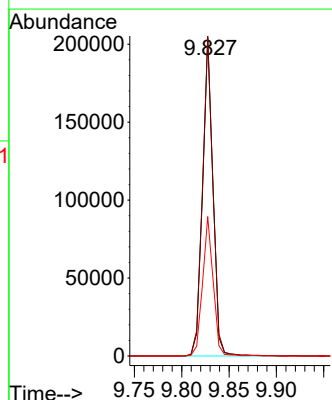
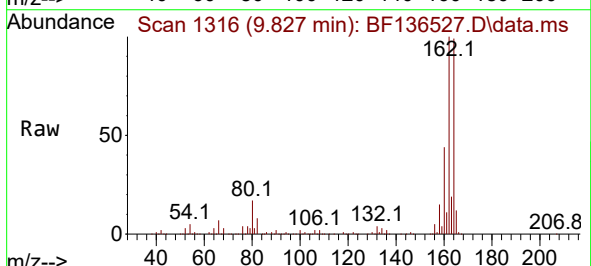
Instrument :
BNA_F
ClientSampleId :
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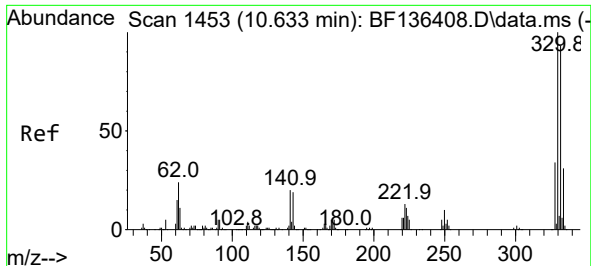
Tgt Ion: 82 Resp: 552818
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

Tgt Ion: 164 Resp: 155549
Ion Ratio Lower Upper
164 100
162 100.6 84.4 126.6
160 43.8 37.6 56.4

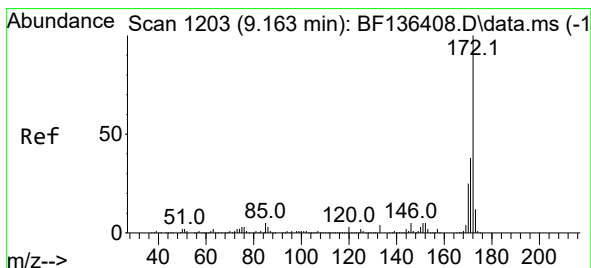
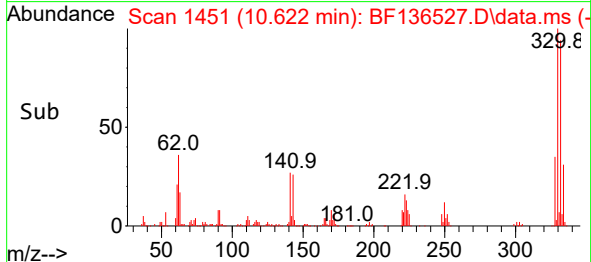
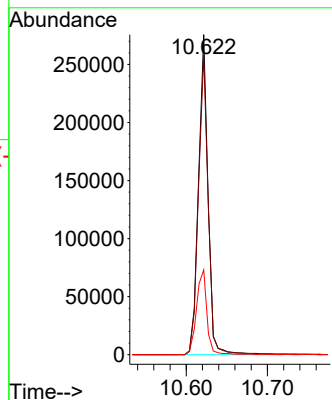
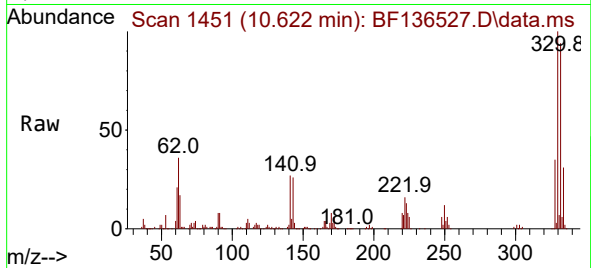




#42
2,4,6-Tribromophenol
Concen: 118.718 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

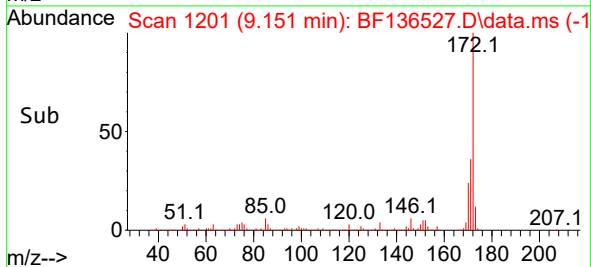
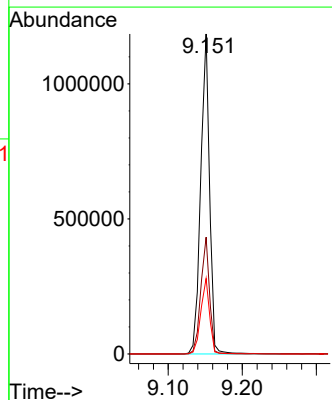
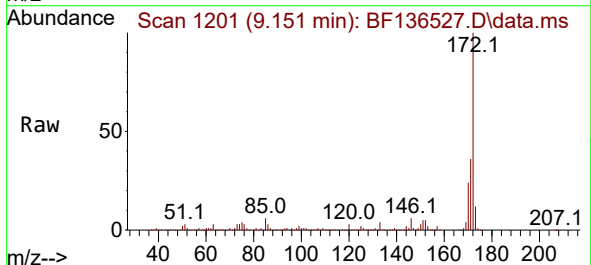
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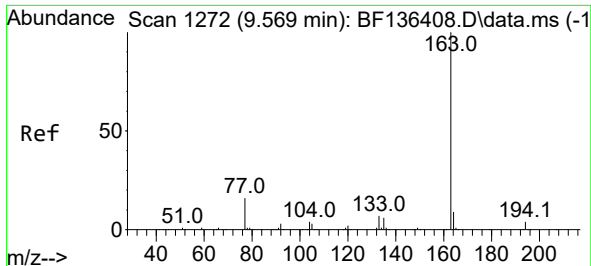
Tgt Ion: 330 Resp: 227693
Ion Ratio Lower Upper
330 100
332 95.9 76.4 114.6
141 28.9 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 86.010 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

Tgt Ion: 172 Resp: 980488
Ion Ratio Lower Upper
172 100
171 36.5 30.5 45.7
170 23.6 19.9 29.9

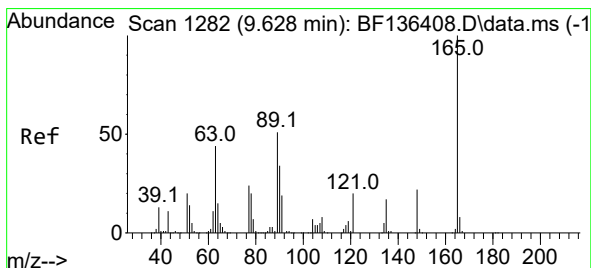
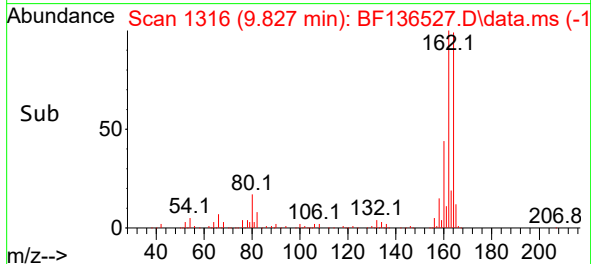
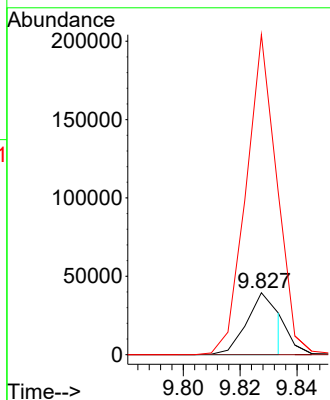
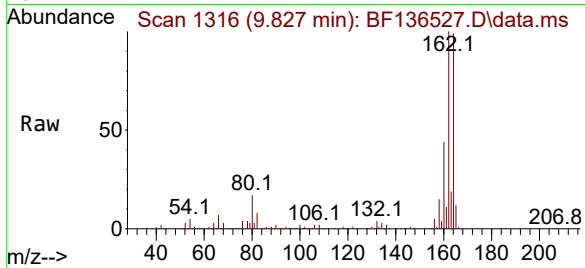




#50
Dimethylphthalate
Concen: 2.693 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

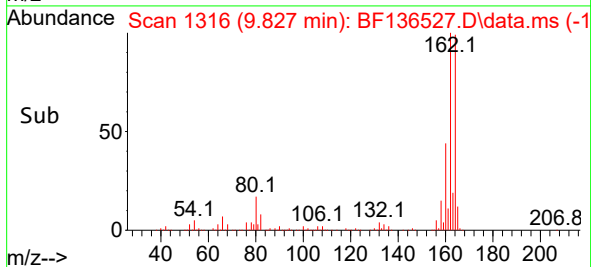
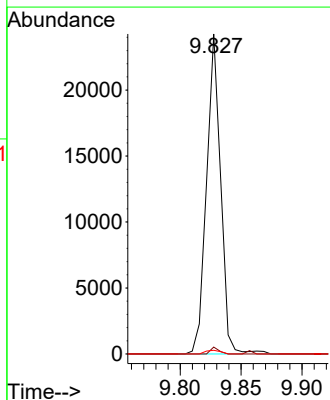
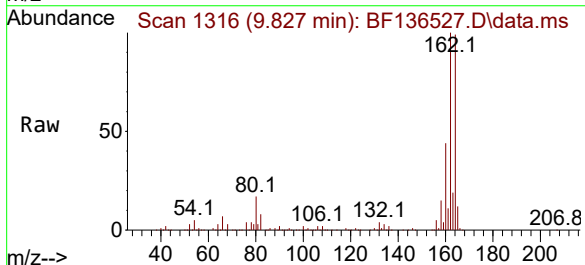
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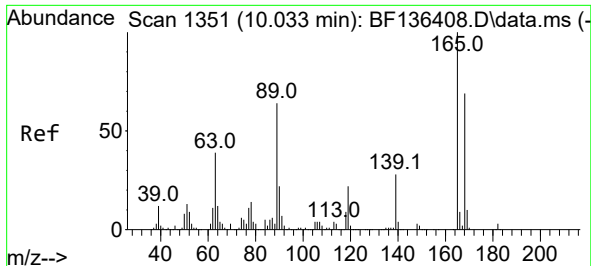
Tgt Ion:163 Resp: 30845
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 517.1 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.555 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

Tgt Ion:165 Resp: 19465
Ion Ratio Lower Upper
165 100
63 2.1 40.4 60.6#
89 1.2 40.6 60.8#

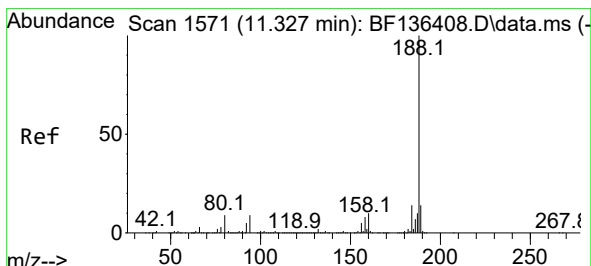
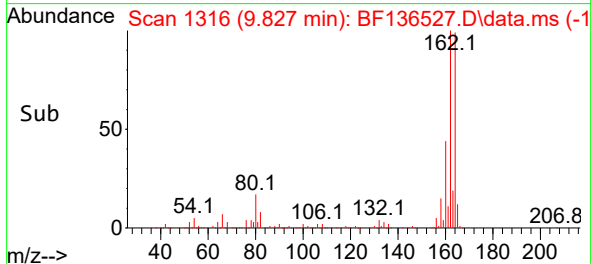
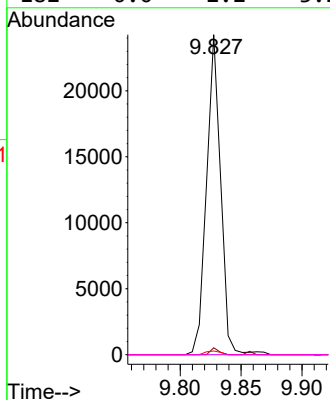
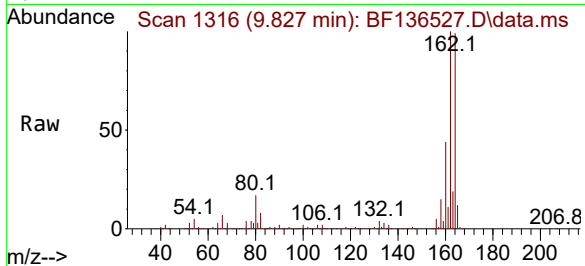




#57
2,4-Dinitrotoluene
Concen: 5.711 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

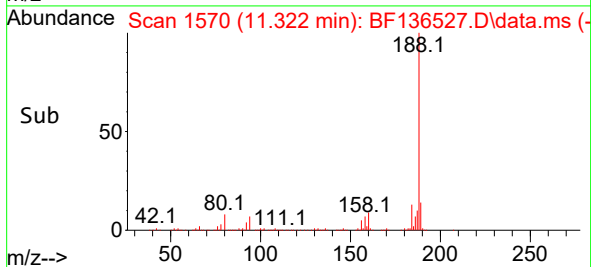
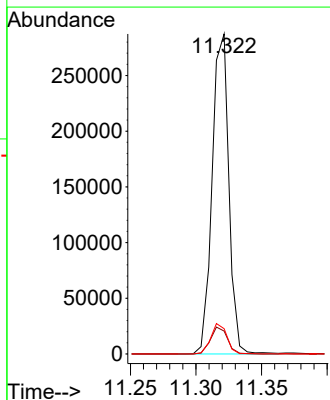
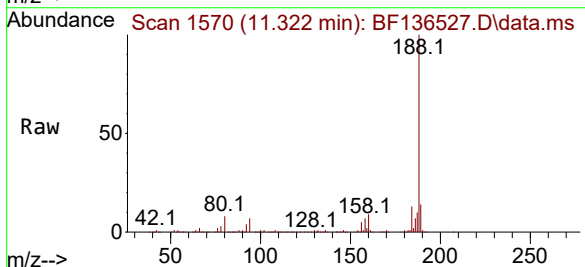
Instrument :
BNA_F
ClientSampleId :
SB-1

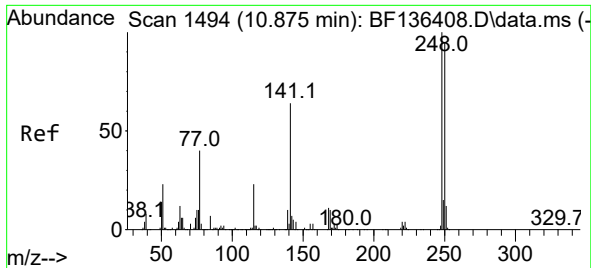
Tgt Ion:165 Resp: 19465
Ion Ratio Lower Upper
165 100
63 2.1 31.4 47.2#
89 1.2 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

Tgt Ion:188 Resp: 254125
Ion Ratio Lower Upper
188 100
94 7.2 7.2 10.8#
80 7.9 7.2 10.8

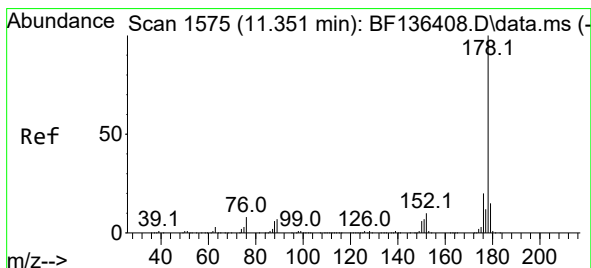
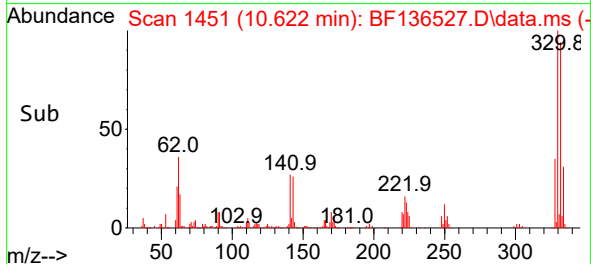
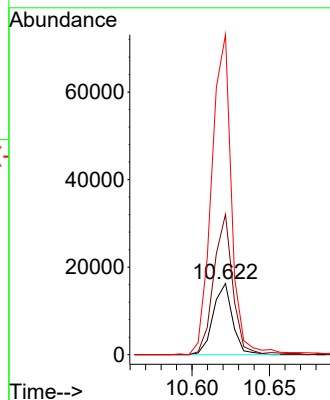
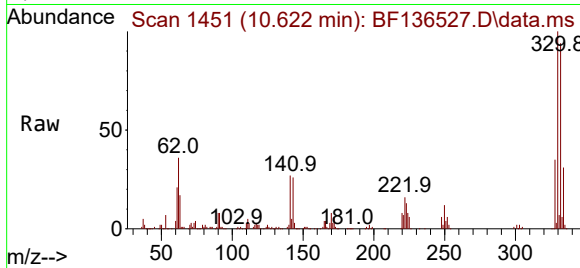




#67
4-Bromophenyl-phenylether
Concen: 4.786 ng
RT: 10.622 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

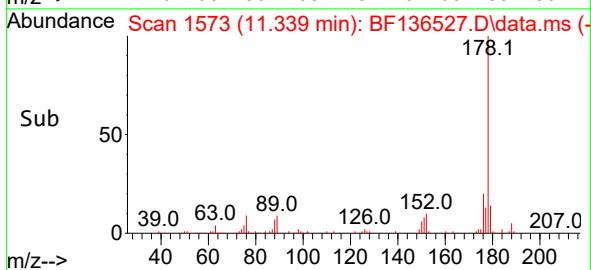
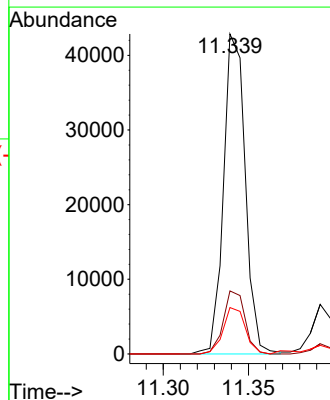
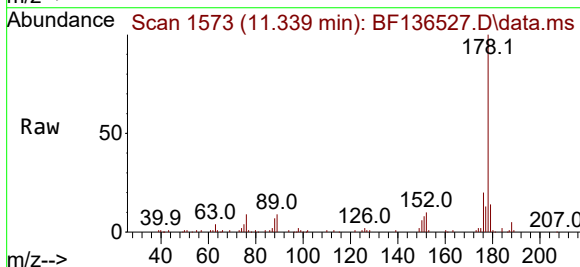
Instrument :
BNA_F
ClientSampleId :
SB-1

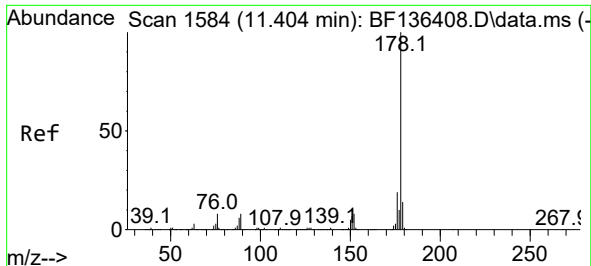
Tgt Ion:248 Resp: 14140
Ion Ratio Lower Upper
248 100
250 197.1 76.2 114.2#
141 449.4 51.0 76.4#



#71
Phenanthrene
Concen: 2.717 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136527.D
Acq: 12 Dec 2023 21:03

Tgt Ion:178 Resp: 37949
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 14.5 11.8 17.6

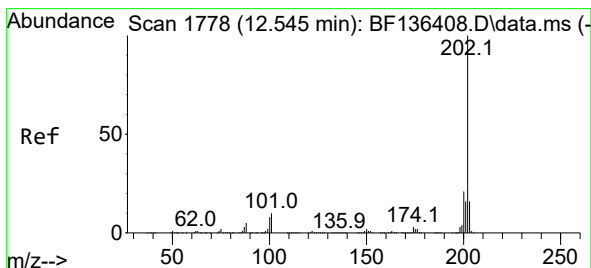
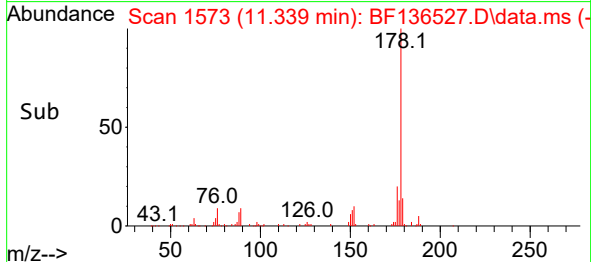
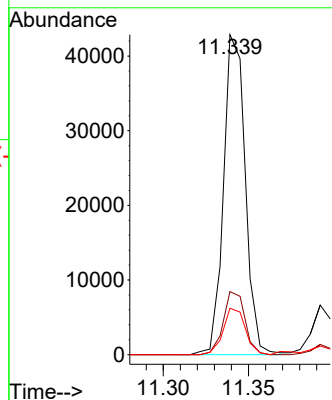
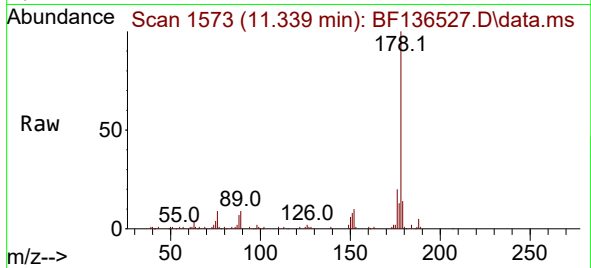




#72
 Anthracene
 Concen: 2.697 ng
 RT: 11.339 min Scan# 1573
 Delta R.T. -0.065 min
 Lab File: BF136527.D
 Acq: 12 Dec 2023 21:03

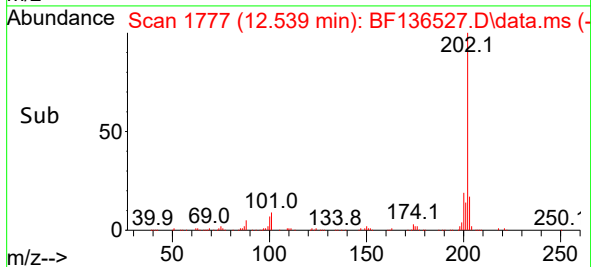
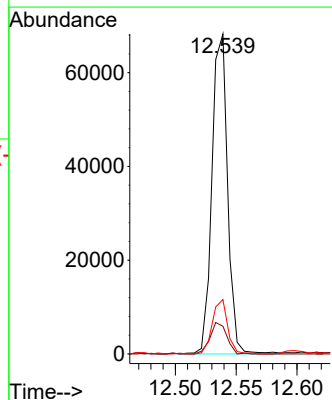
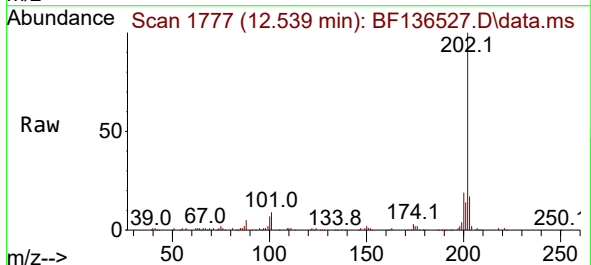
Instrument :
 BNA_F
 ClientSampleId :
 SB-1

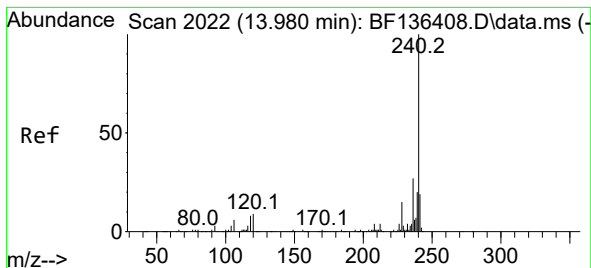
Tgt Ion:178 Resp: 37949
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.3 22.9
 179 14.5 11.4 17.0



#75
 Fluoranthene
 Concen: 4.186 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF136527.D
 Acq: 12 Dec 2023 21:03

Tgt Ion:202 Resp: 61273
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 29.9
 203 17.0 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136527.D

Acq: 12 Dec 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-1

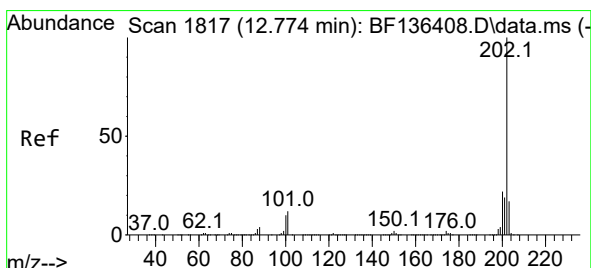
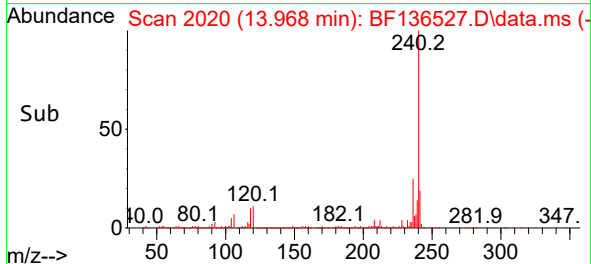
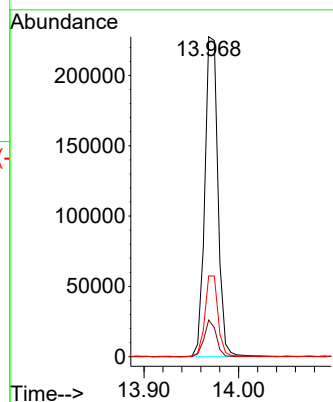
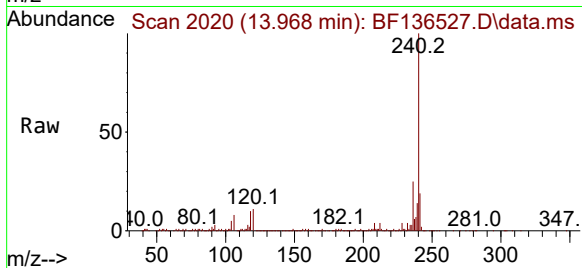
Tgt Ion:240 Resp: 219835

Ion Ratio Lower Upper

240 100

120 11.5 7.3 10.9#

236 25.2 21.3 31.9



#78

Pyrene

Concen: 2.322 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136527.D

Acq: 12 Dec 2023 21:03

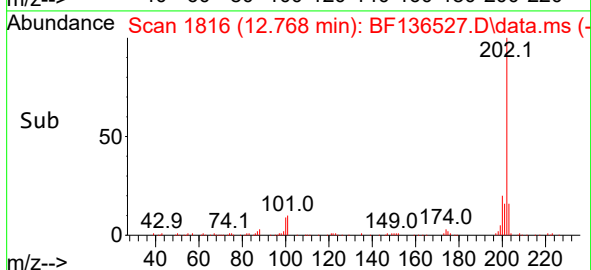
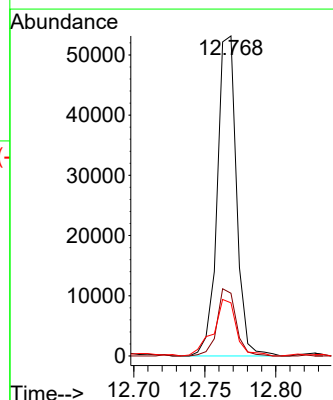
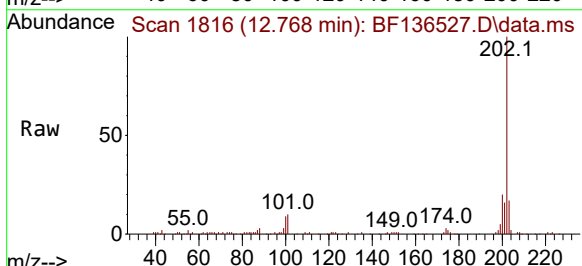
Tgt Ion:202 Resp: 49991

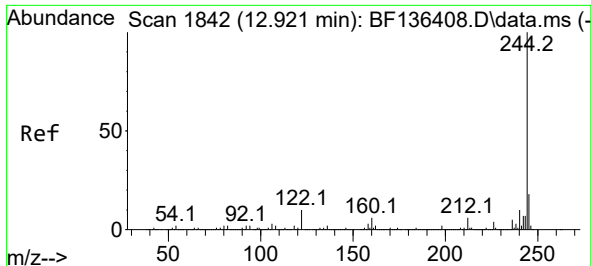
Ion Ratio Lower Upper

202 100

200 19.6 18.0 27.0

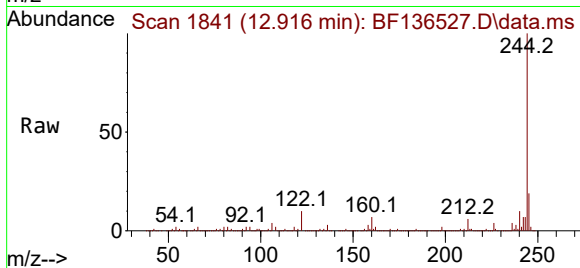
203 16.6 13.5 20.3



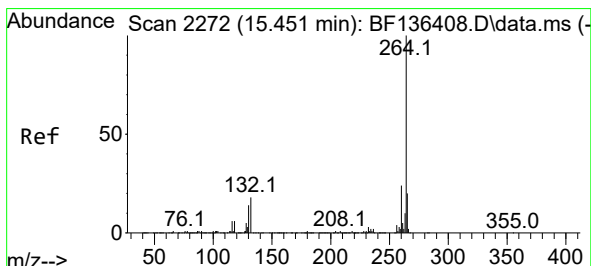
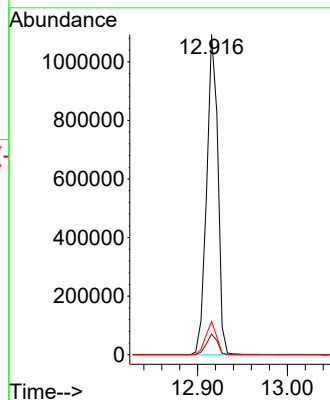
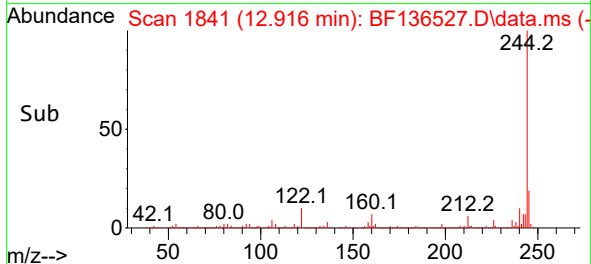


#79
 Terphenyl-d14
 Concen: 56.800 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136527.D
 Acq: 12 Dec 2023 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

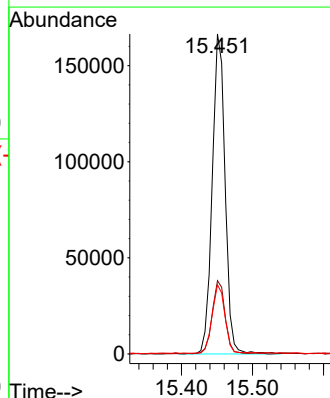
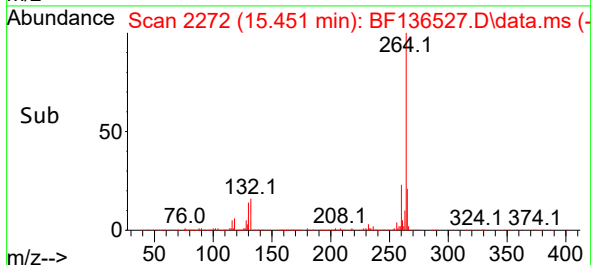
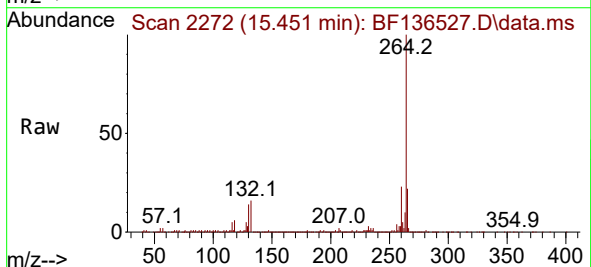


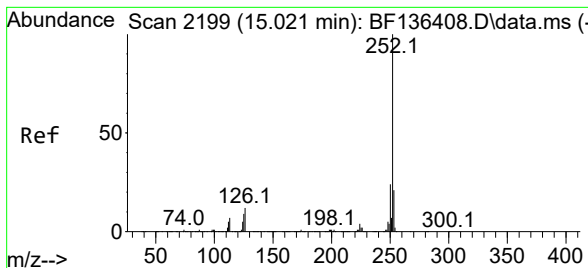
Tgt Ion:244 Resp: 947358
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 10.4 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.000 min
 Lab File: BF136527.D
 Acq: 12 Dec 2023 21:03

Tgt Ion:264 Resp: 209832
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 21.6 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 2.273 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136527.D

Acq: 12 Dec 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-1

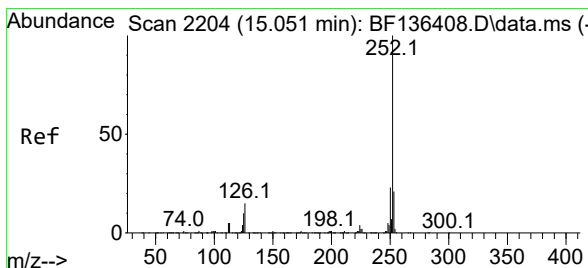
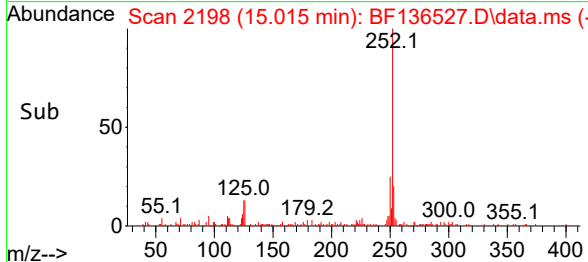
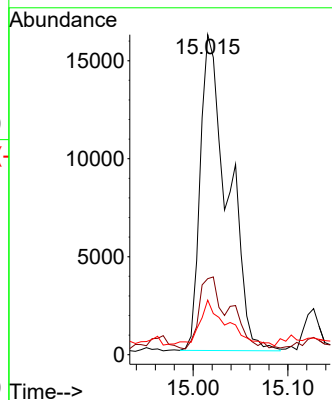
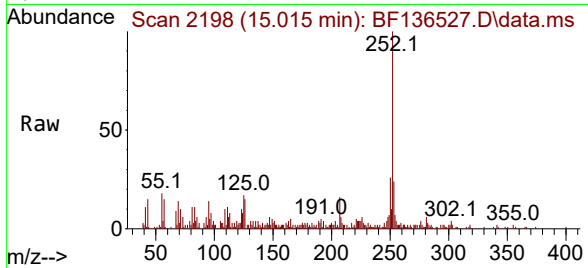
Tgt Ion:252 Resp: 32612

Ion Ratio Lower Upper

252 100

253 23.7 16.9 25.3

125 17.0 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 2.412 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136527.D

Acq: 12 Dec 2023 21:03

Tgt Ion:252 Resp: 32612

Ion Ratio Lower Upper

252 100

253 23.7 16.9 25.3

125 17.0 7.5 11.3#

