

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136719.D
 Acq On : 26 Dec 2023 15:03
 Operator : CG\JU
 Sample : 05921-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-303-20231218

Quant Time: Dec 26 16:01:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

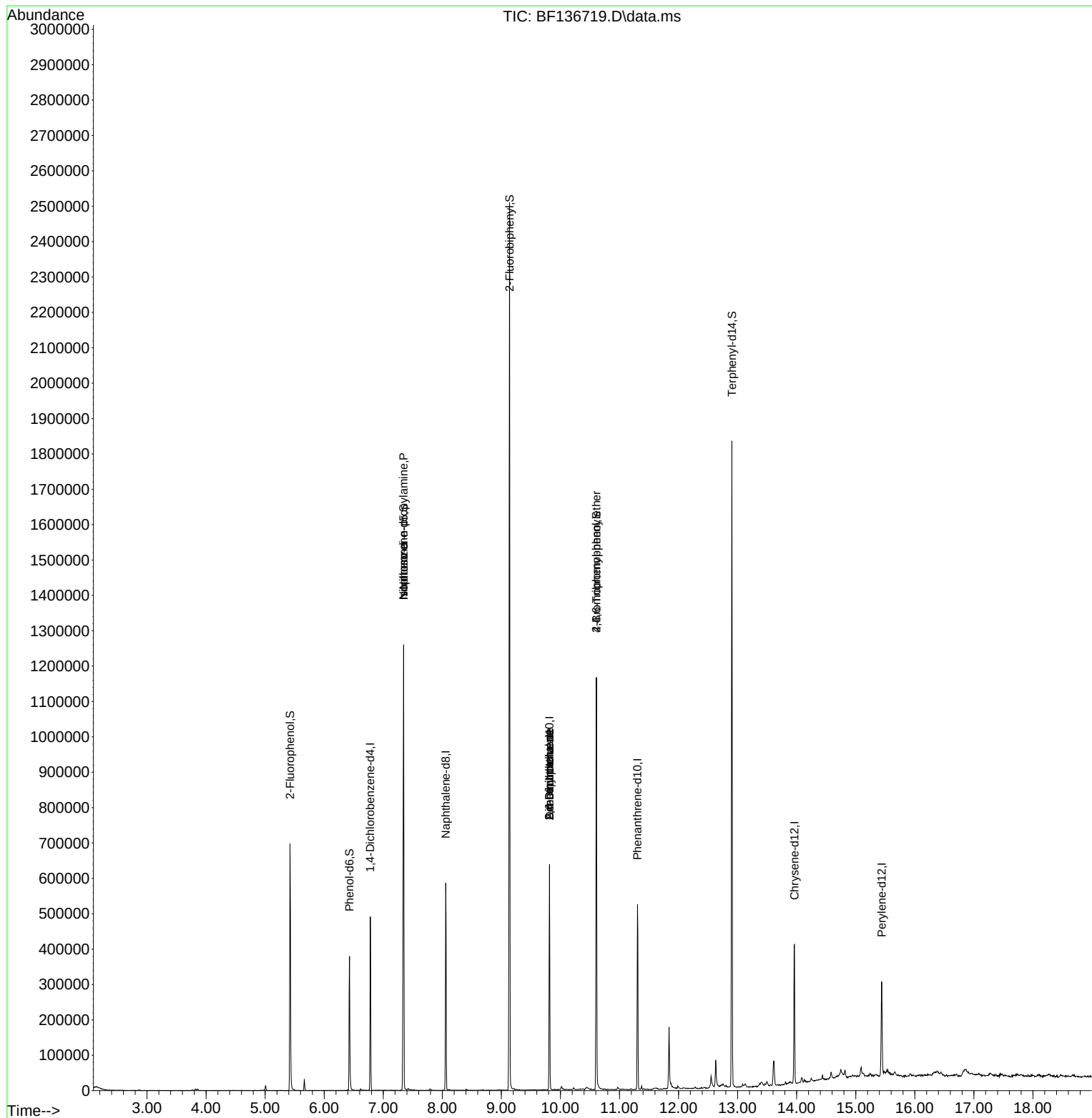
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	68089	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	246569	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	117494	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	194283	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	142591	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	124346	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	177773	40.737	ng	0.00
7) Phenol-d6	6.428	99	123723	21.880	ng	-0.01
23) Nitrobenzene-d5	7.345	82	392432	81.442	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	139683	100.945	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	745148	85.299	ng	-0.01
79) Terphenyl-d14	12.904	244	615131	60.286	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	51527	15.032	ng	# 74
25) Isophorone	7.345	82	392424	44.757	ng	# 65
50) Dimethylphthalate	9.816	163	23548	2.744	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	14371	7.378	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	14371	5.684	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	8883	4.117	ng	# 1

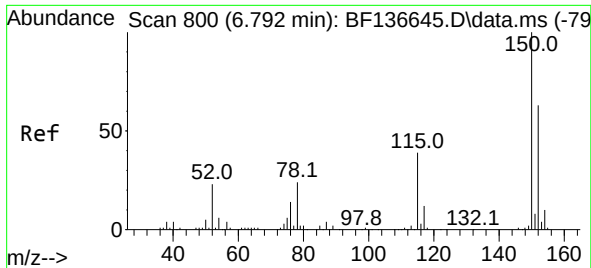
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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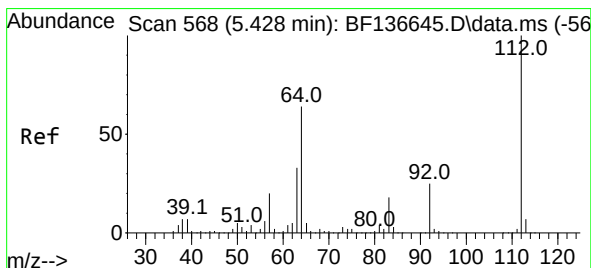
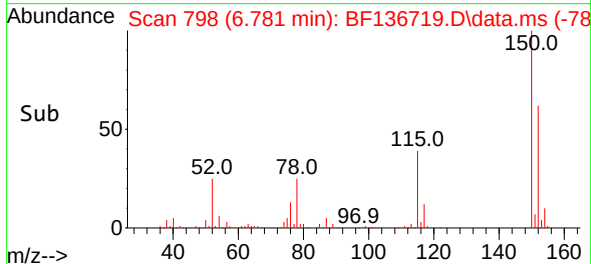
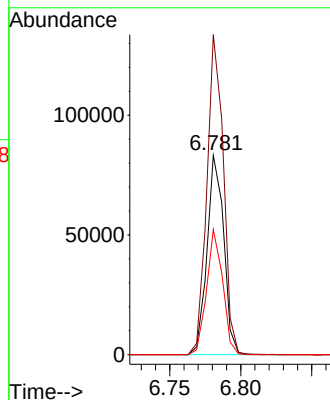
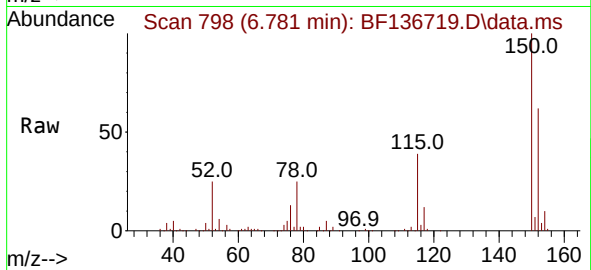




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

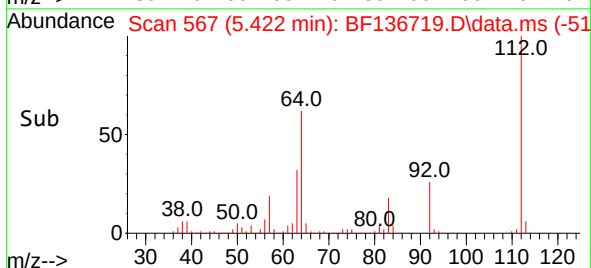
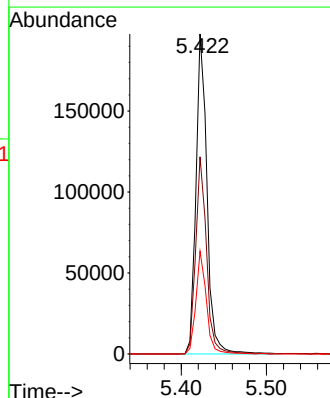
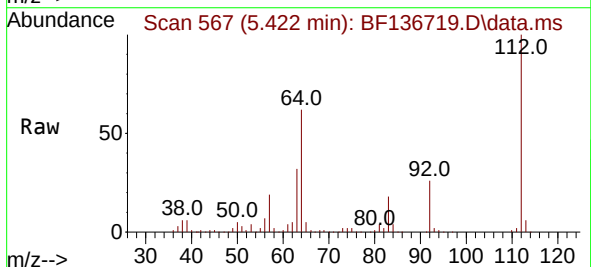
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

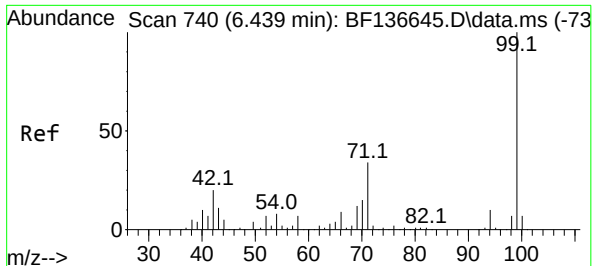
Tgt Ion:152 Resp: 68089
Ion Ratio Lower Upper
152 100
150 160.5 127.0 190.6
115 62.8 49.0 73.4



#5
2-Fluorophenol
Concen: 40.737 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

Tgt Ion:112 Resp: 177773
Ion Ratio Lower Upper
112 100
64 61.6 51.1 76.7
63 32.1 26.1 39.1

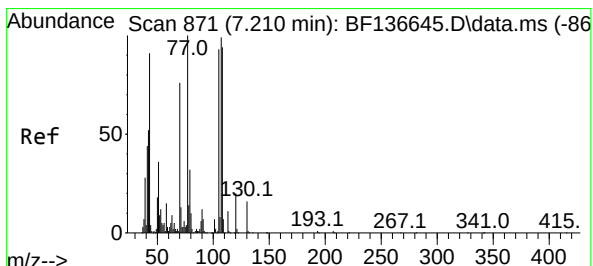
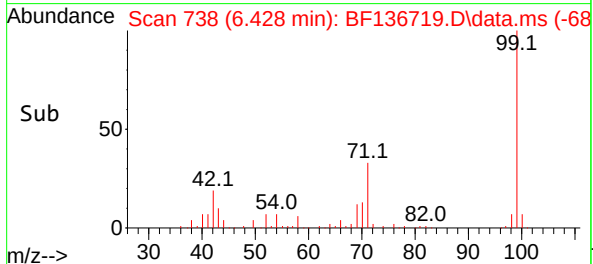
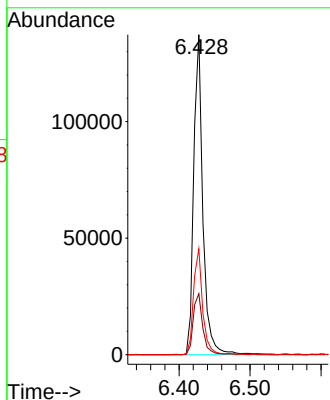
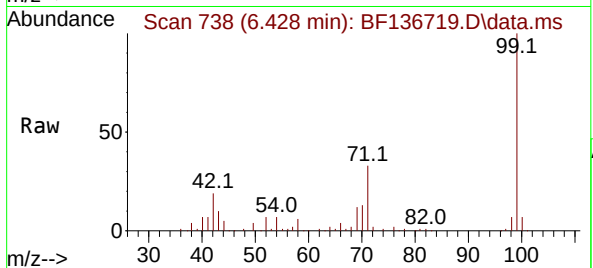




#7
Phenol-d6
Concen: 21.880 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

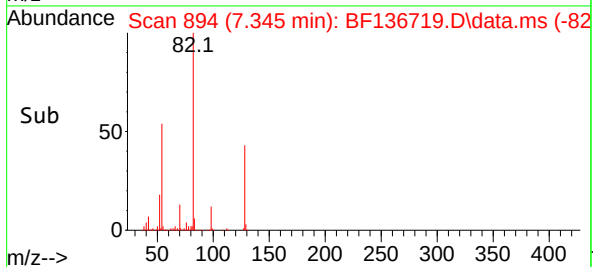
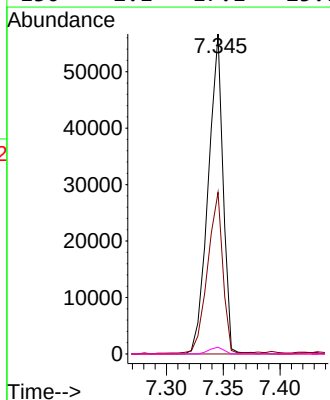
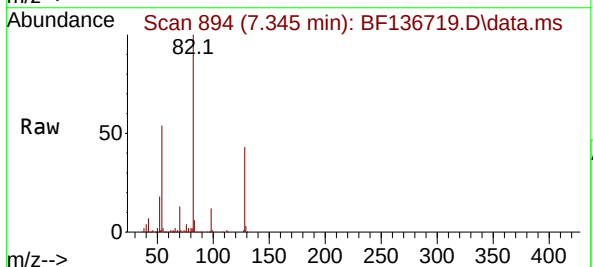
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

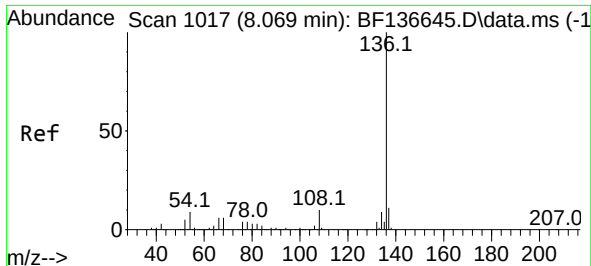
Tgt Ion: 99 Resp: 123723
Ion Ratio Lower Upper
99 100
42 19.1 16.1 24.1
71 33.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.032 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

Tgt Ion: 70 Resp: 51527
Ion Ratio Lower Upper
70 100
42 50.5 54.2 81.4#
101 0.0 7.6 11.4#
130 2.1 17.1 25.7#



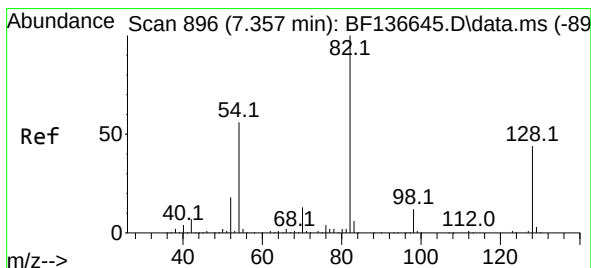
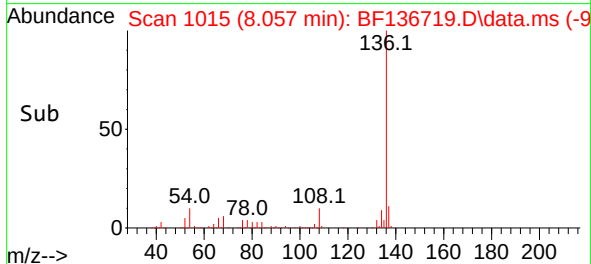
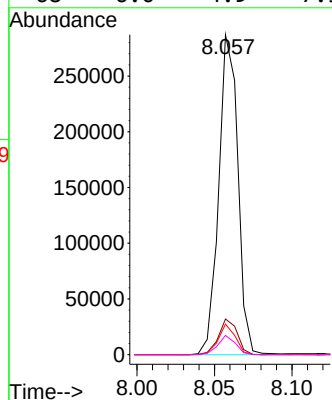
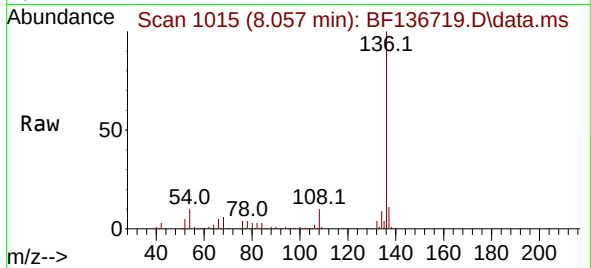


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

Tgt Ion:136 Resp: 246569

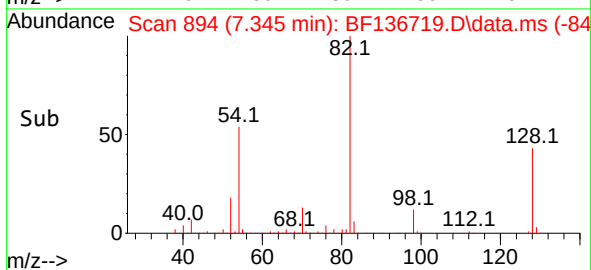
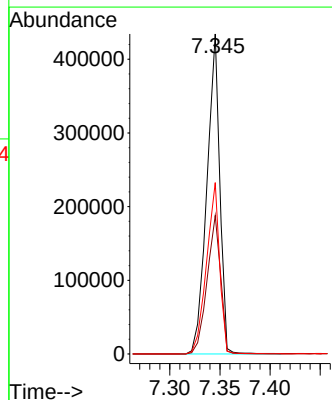
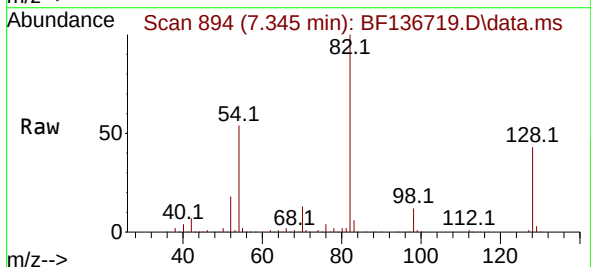
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.5	7.2	10.8
68	6.0	4.9	7.3

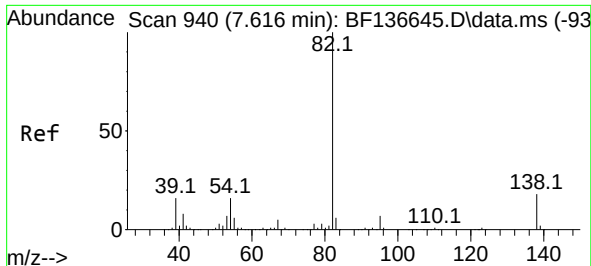


#23
Nitrobenzene-d5
Concen: 81.442 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

Tgt Ion: 82 Resp: 392432

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.3	52.9
54	53.6	44.5	66.7

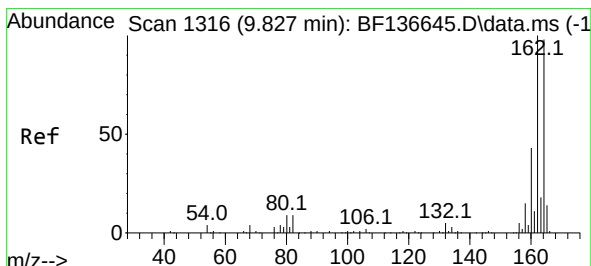
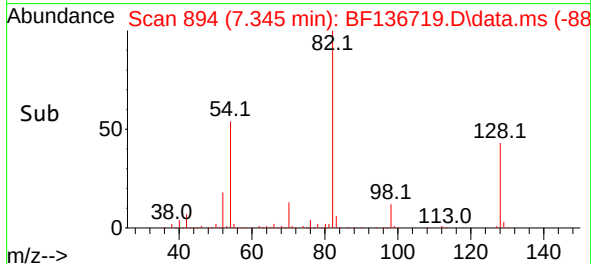
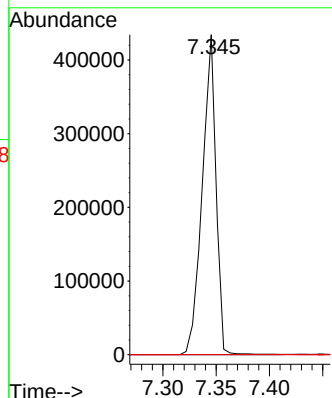
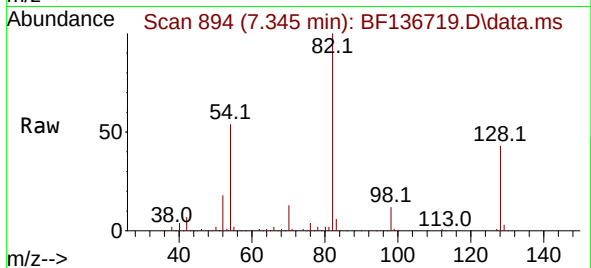




#25
Isophorone
Concen: 44.757 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

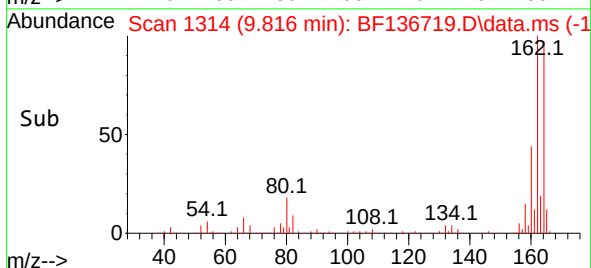
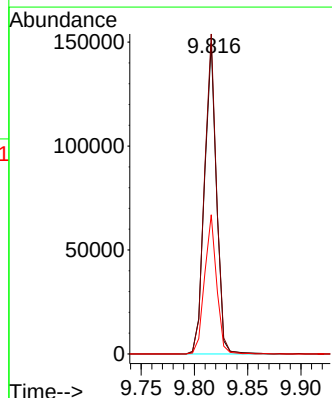
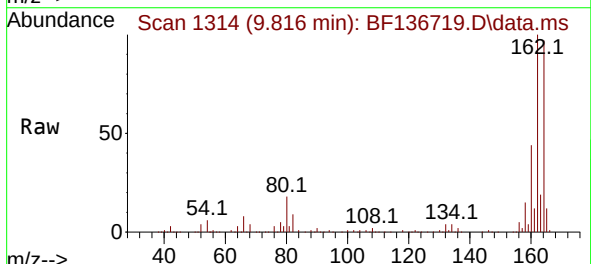
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

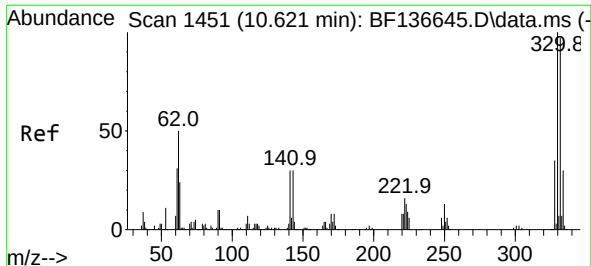
Tgt Ion: 82 Resp: 392424
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

Tgt Ion:164 Resp: 117494
Ion Ratio Lower Upper
164 100
162 103.0 81.6 122.4
160 44.8 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 100.945 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136719.D

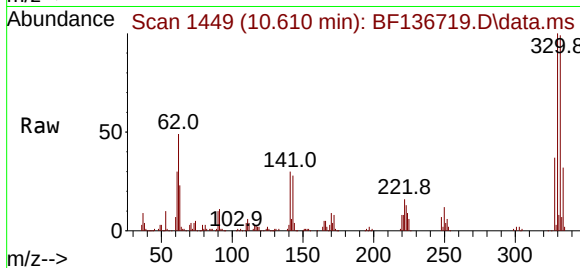
Acq: 26 Dec 2023 15:03

Instrument :

BNA_F

ClientSampleId :

SP-303-20231218



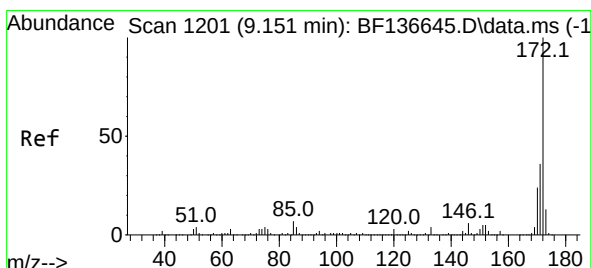
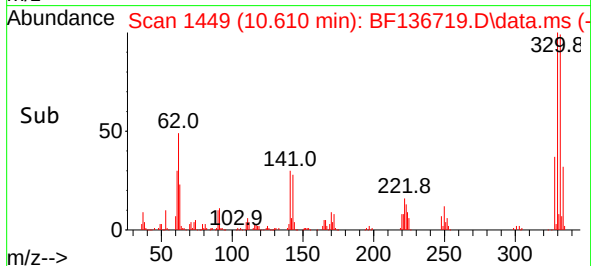
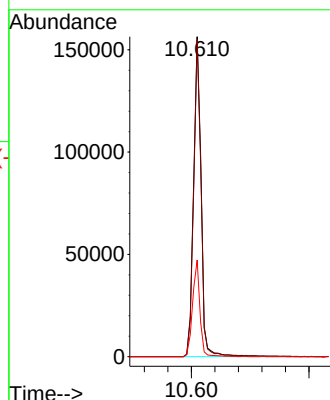
Tgt Ion:330 Resp: 139683

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

141 29.3 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 85.299 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136719.D

Acq: 26 Dec 2023 15:03

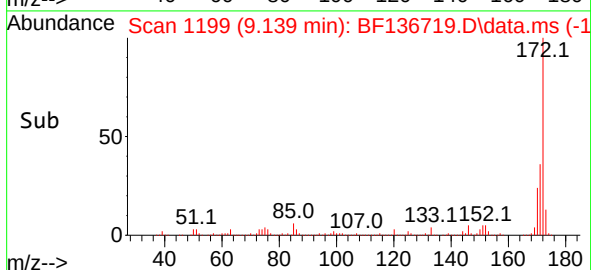
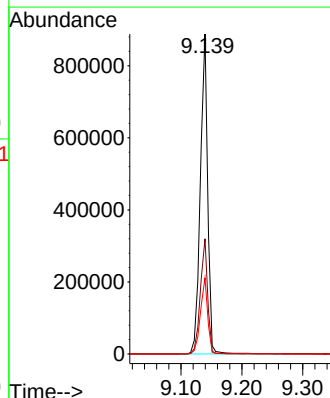
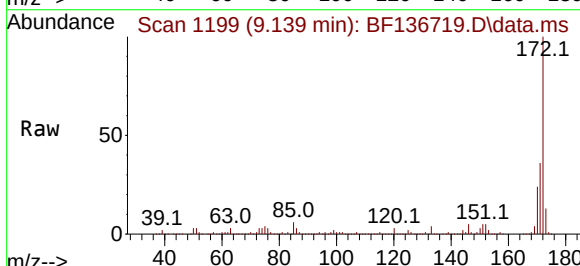
Tgt Ion:172 Resp: 745148

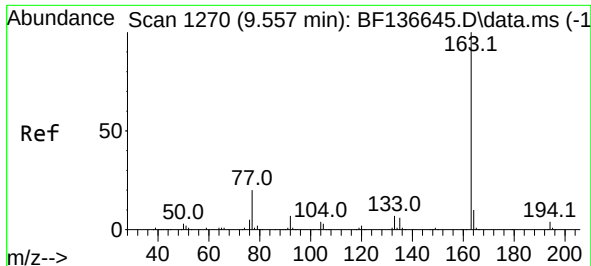
Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.6

170 23.8 19.0 28.4

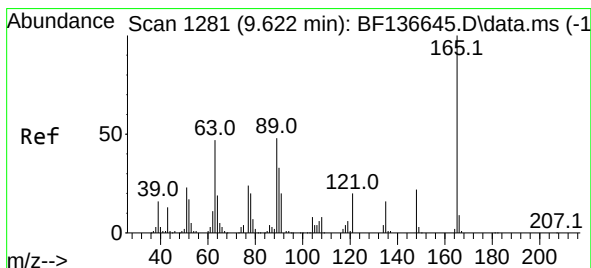
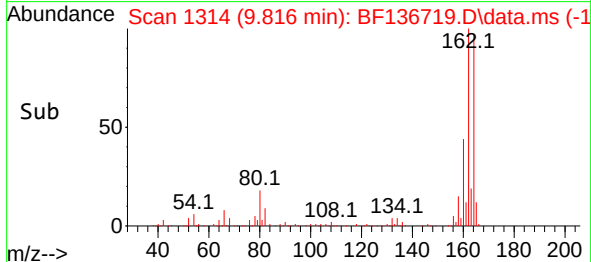
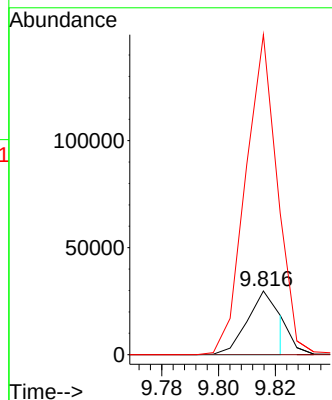
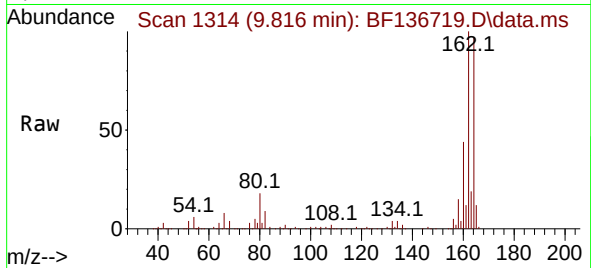




#50
Dimethylphthalate
Concen: 2.744 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

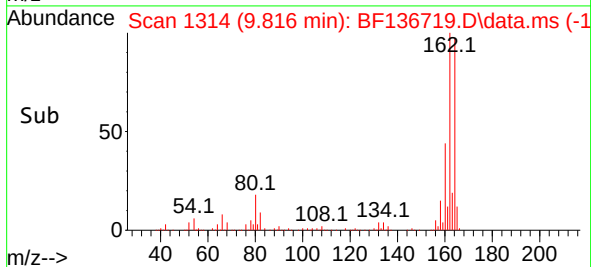
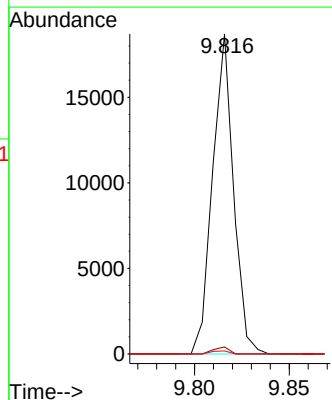
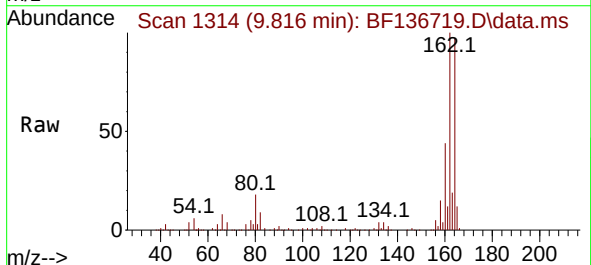
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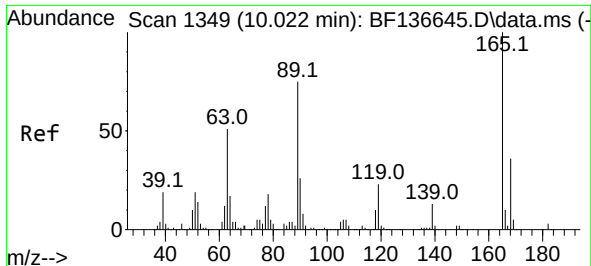
Tgt Ion:163 Resp: 23548
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 502.8 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.378 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

Tgt Ion:165 Resp: 14371
Ion Ratio Lower Upper
165 100
63 2.2 39.8 59.6#
89 1.0 38.8 58.2#

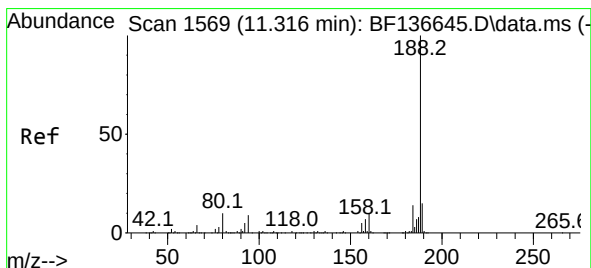
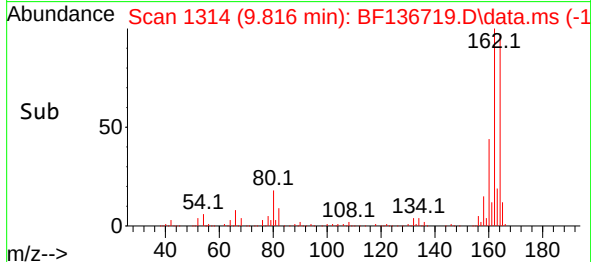
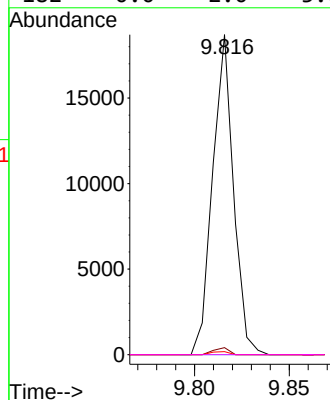
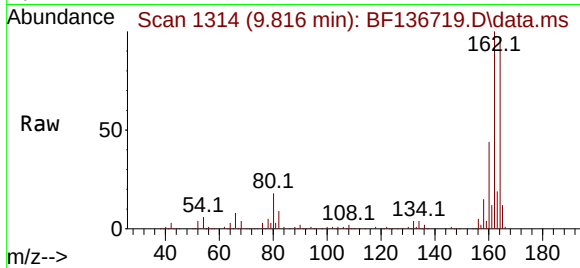




#57
2,4-Dinitrotoluene
Concen: 5.684 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

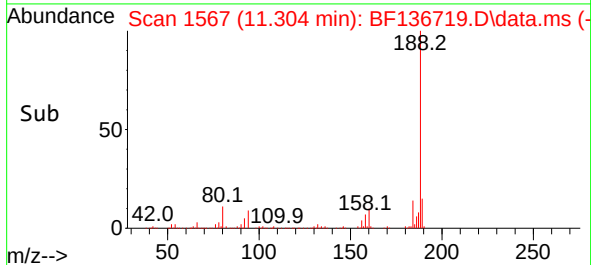
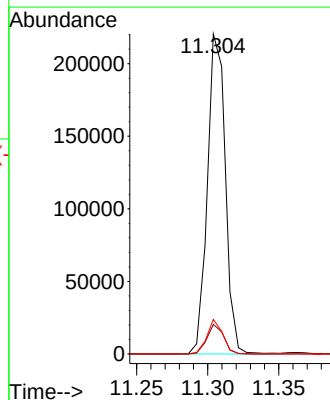
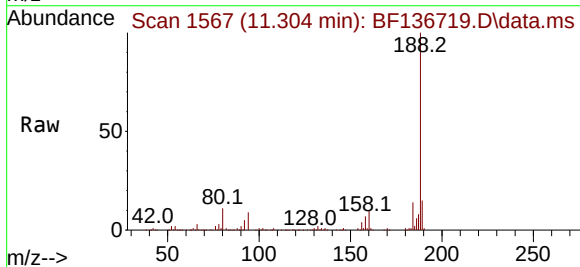
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

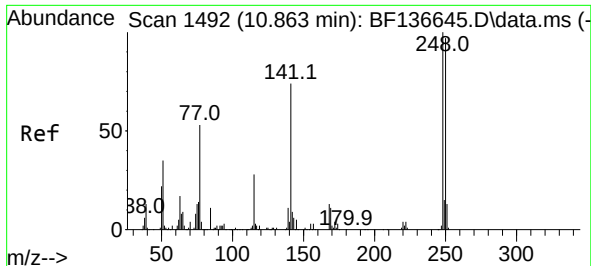
Tgt Ion:	165	Resp:	14371
Ion Ratio	Lower	Upper	
165	100		
63	2.2	41.0	61.6#
89	1.0	59.9	89.9#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

Tgt Ion:	188	Resp:	194283
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.5	11.3
80	10.8	8.1	12.1

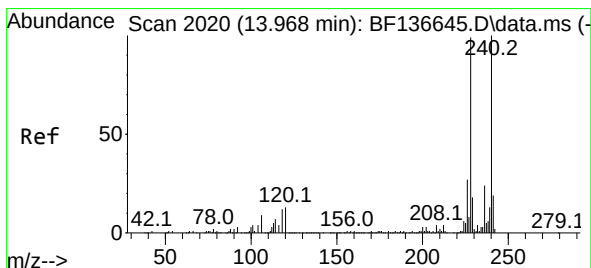
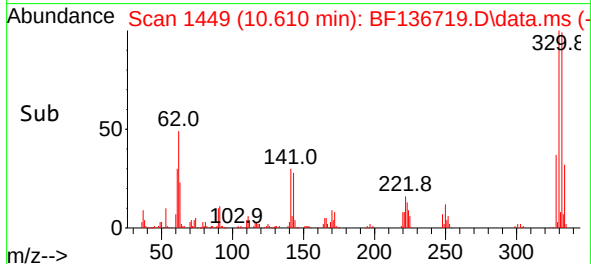
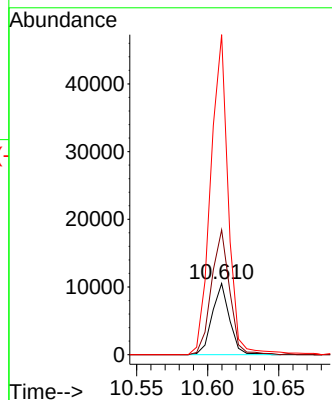
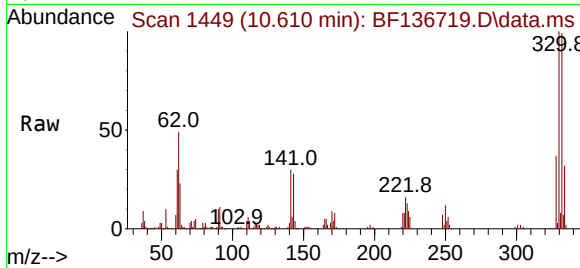




#67
4-Bromophenyl-phenylether
Concen: 4.117 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

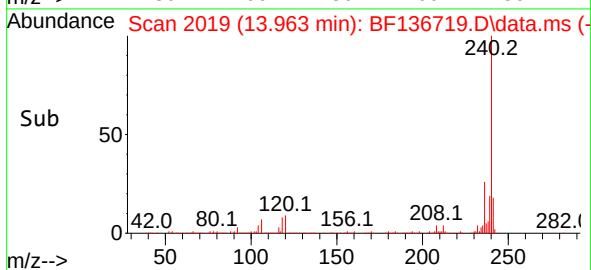
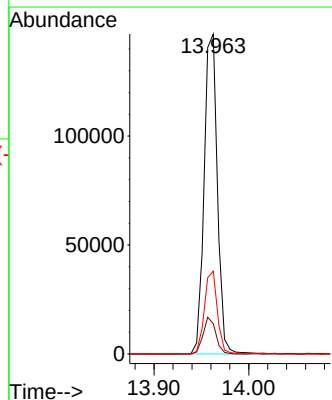
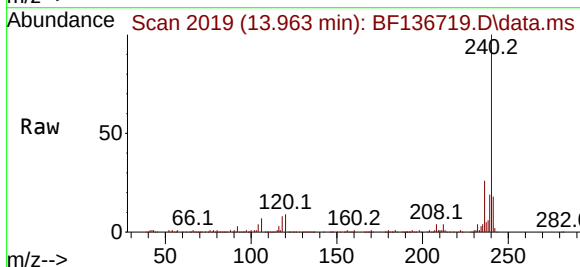
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

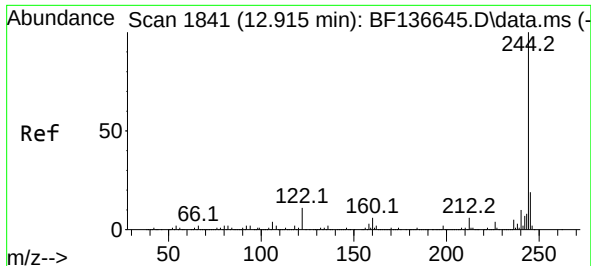
Tgt Ion:248 Resp: 8883
Ion Ratio Lower Upper
248 100
250 175.4 77.8 116.6#
141 449.8 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136719.D
Acq: 26 Dec 2023 15:03

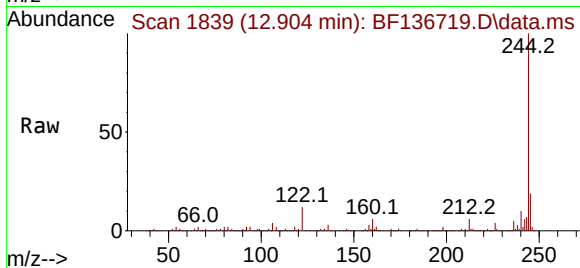
Tgt Ion:240 Resp: 142591
Ion Ratio Lower Upper
240 100
120 9.4 10.3 15.5#
236 25.9 19.4 29.2



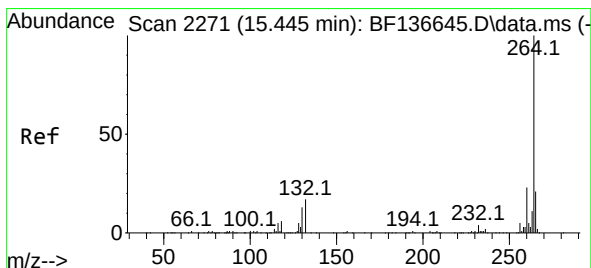
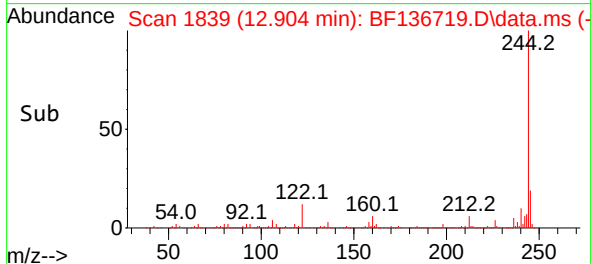
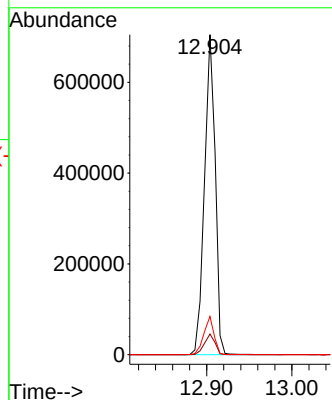


#79
 Terphenyl-d14
 Concen: 60.286 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136719.D
 Acq: 26 Dec 2023 15:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-303-20231218



Tgt Ion:244 Resp: 615131
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 11.9 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. -0.006 min
 Lab File: BF136719.D
 Acq: 26 Dec 2023 15:03

Tgt Ion:264 Resp: 124346
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.3 27.5
 265 21.7 17.0 25.6

