

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134644.D
 Acq On : 07 Aug 2023 09:48
 Operator : CG\JU
 Sample : 03891-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Aug 08 01:19:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

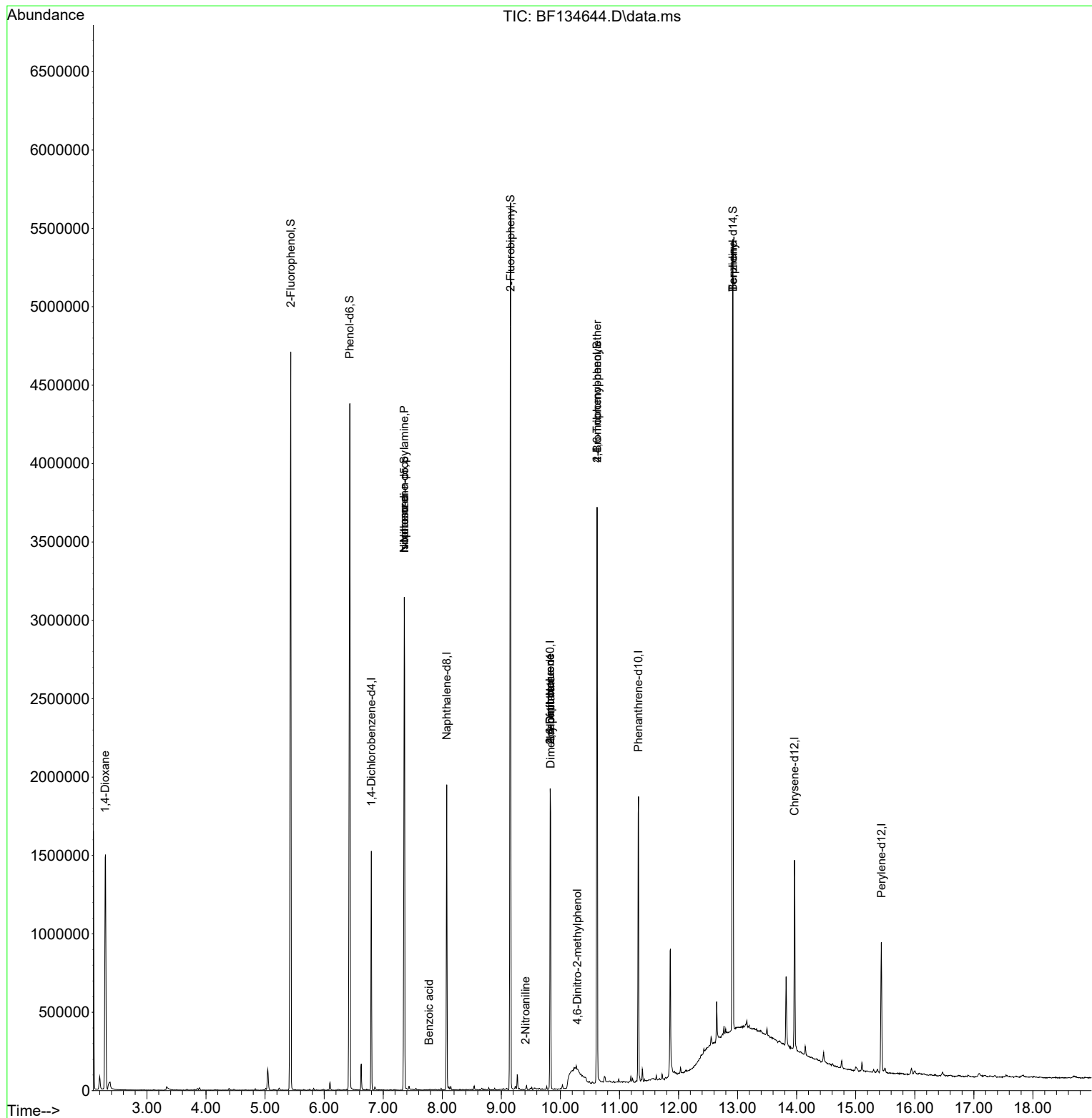
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	192864	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	770504	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	391745	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	686165	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	414347	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	379236	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1416560	111.649	ng	0.00
7) Phenol-d6	6.434	99	1812944	111.782	ng	0.00
23) Nitrobenzene-d5	7.357	82	1113819	90.338	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	496589	124.350	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1875237	79.591	ng	0.00
79) Terphenyl-d14	12.922	244	2089187	88.886	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.293	88	26346	4.513	ng	# 1
9) Benzaldehyde	6.345	77	316	Below Cal		# 86
19) n-Nitroso-di-n-propyla...	7.357	70	149042	15.349	ng	# 74
25) Isophorone	7.357	82	1106041	41.129	ng	# 65
32) Benzoic acid	7.775	122	303	7.899	ng	# 93
48) 2-Nitroaniline	9.410	65	142	3.185	ng	# 8
50) Dimethylphthalate	9.834	163	81459	3.051	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	51872	11.484	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	51872	10.235	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.286	198	55	8.715	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	30285	4.032	ng	# 1
77) Benzidine	12.922	184	25523	2.838	ng	# 92

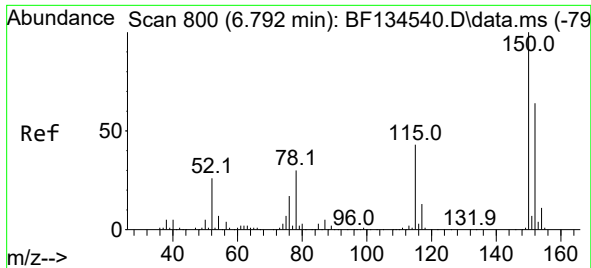
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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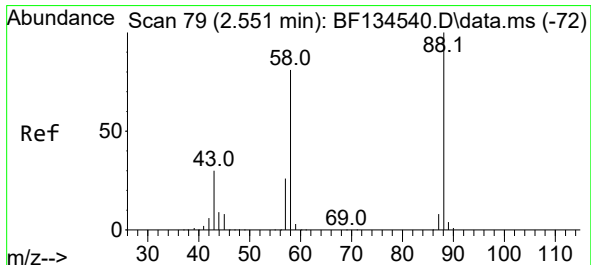
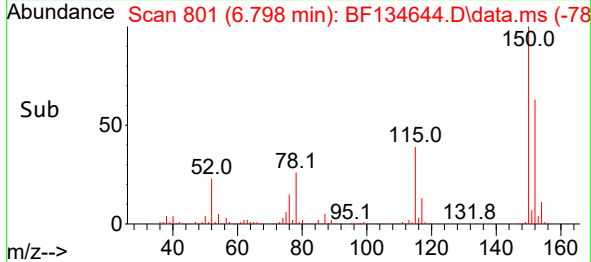
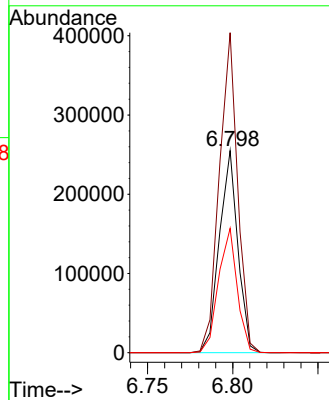
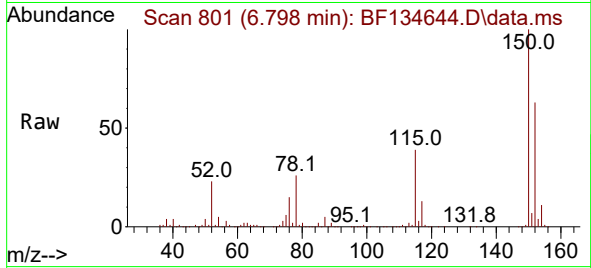




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF134644.D
 Acq: 07 Aug 2023 09:48

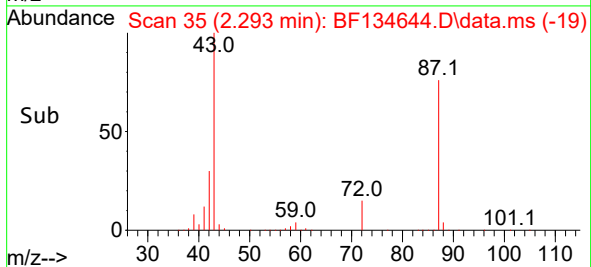
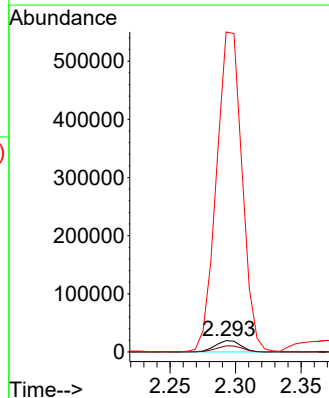
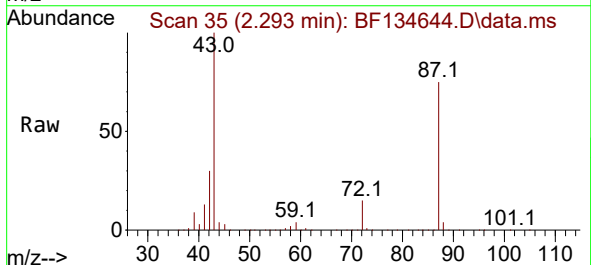
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 TP-1

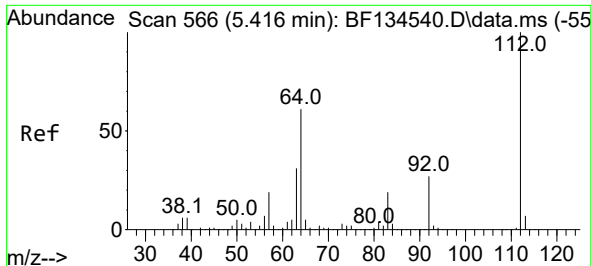
Tgt Ion:152 Resp: 192864
 Ion Ratio Lower Upper
 152 100
 150 158.3 128.3 192.5
 115 61.5 52.4 78.6



#2
 1,4-Dioxane
 Concen: 4.513 ng
 RT: 2.293 min Scan# 35
 Delta R.T. -0.259 min
 Lab File: BF134644.D
 Acq: 07 Aug 2023 09:48

Tgt Ion: 88 Resp: 26346
 Ion Ratio Lower Upper
 88 100
 58 56.5 65.1 97.7#
 43 2827.7 30.3 45.5#

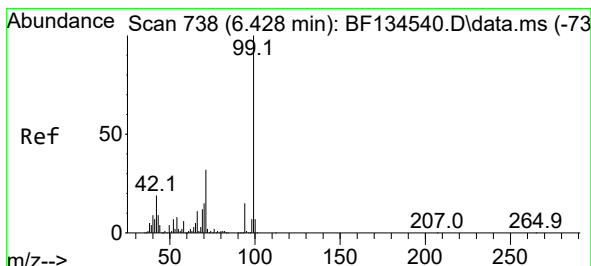
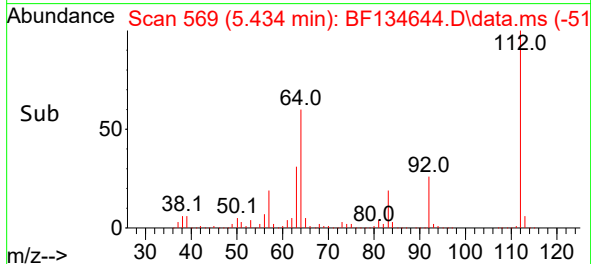
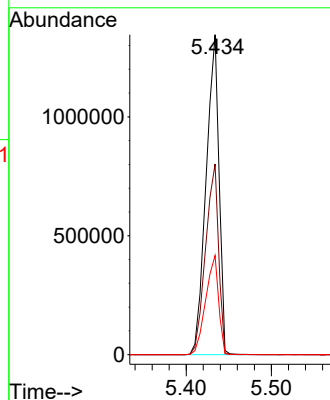
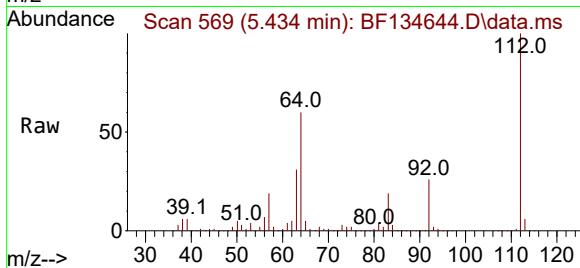




#5
2-Fluorophenol
Concen: 111.649 ng
RT: 5.434 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

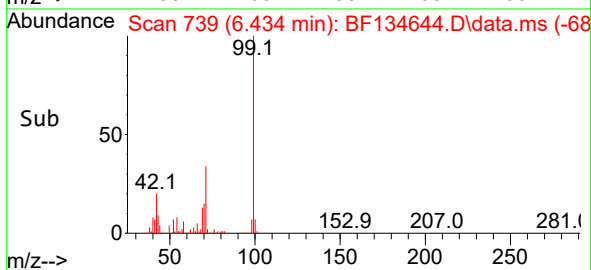
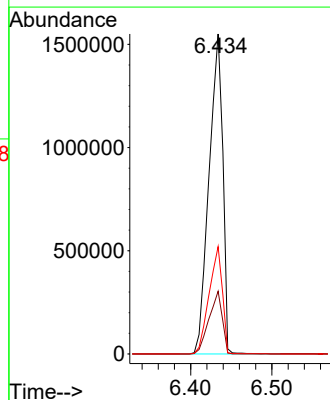
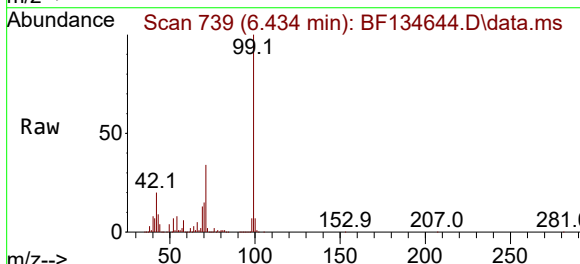
Instrument :
BNA_F
ClientSampleId :
TP-1

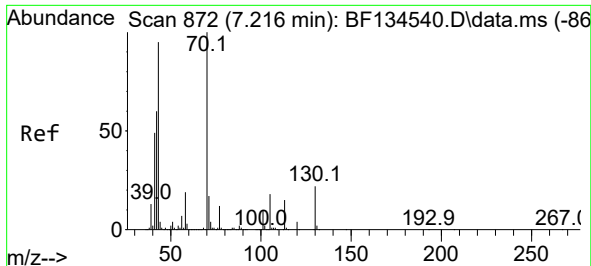
Tgt Ion:112 Resp: 1416560
Ion Ratio Lower Upper
112 100
64 59.6 44.9 67.3
63 31.0 25.4 38.0



#7
Phenol-d6
Concen: 111.782 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

Tgt Ion: 99 Resp: 1812944
Ion Ratio Lower Upper
99 100
42 19.6 18.7 28.1
71 33.5 36.4 54.6#

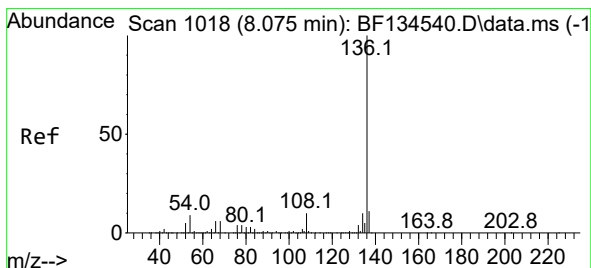
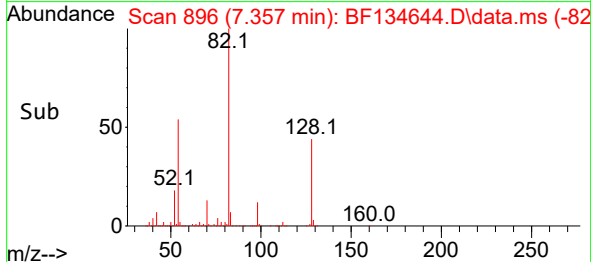
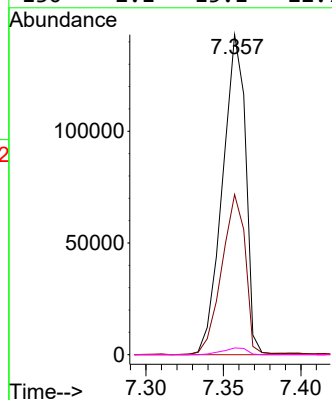
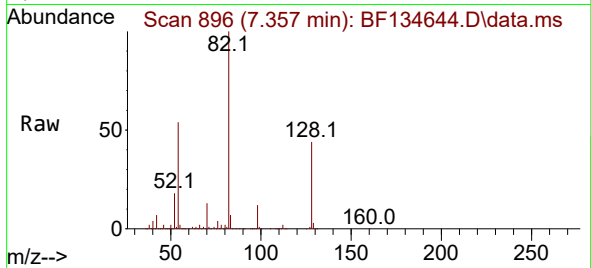




#19
n-Nitroso-di-n-propylamine
Concen: 15.349 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

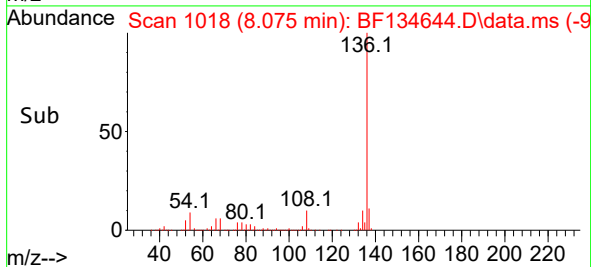
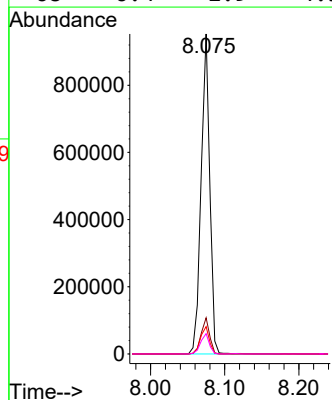
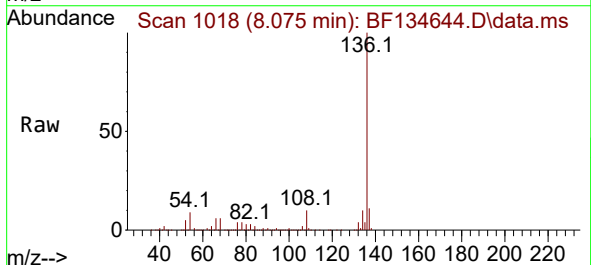
Instrument :
BNA_F
ClientSampleId :
TP-1

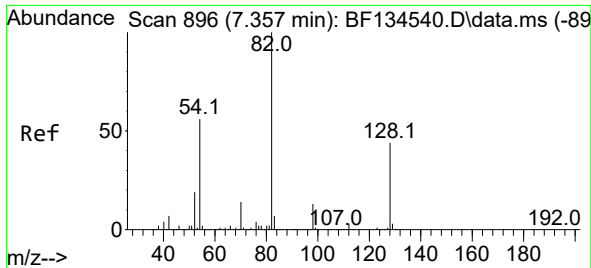
Tgt Ion: 70 Resp: 149042
Ion Ratio Lower Upper
70 100
42 50.0 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

Tgt Ion:136 Resp: 770504
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.5 5.2 7.8#
68 6.4 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 90.338 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134644.D

Acq: 07 Aug 2023 09:48

Instrument :

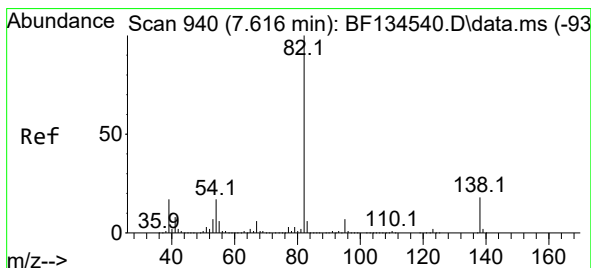
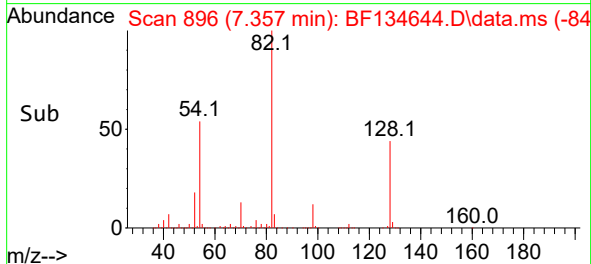
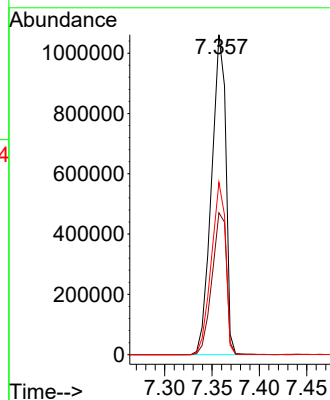
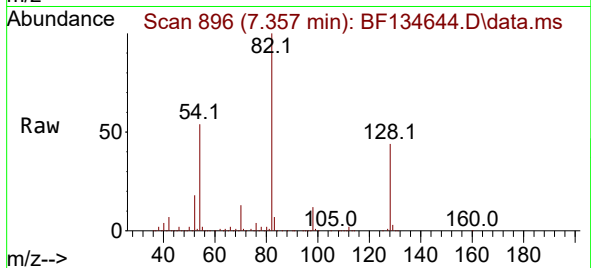
BNA_F

ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 1113819

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.3	51.5
54	53.9	43.8	65.6



#25

Isophorone

Concen: 41.129 ng

RT: 7.357 min Scan# 896

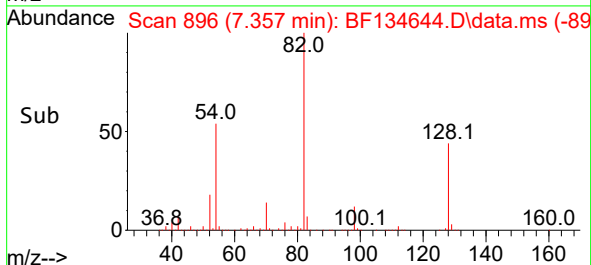
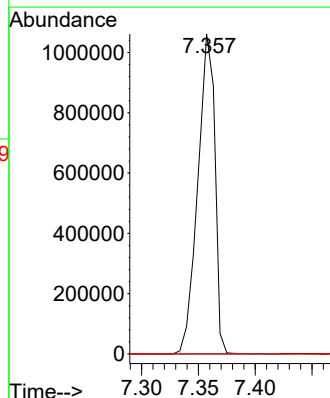
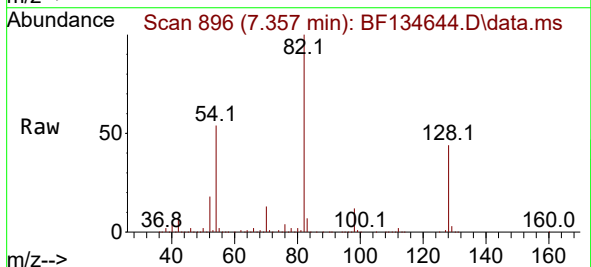
Delta R.T. -0.270 min

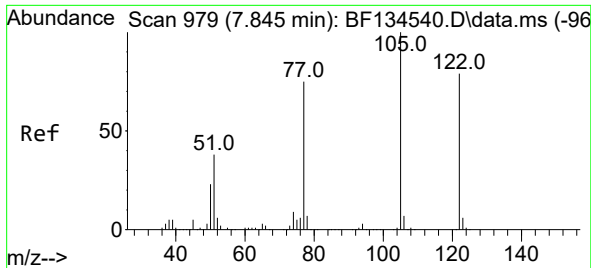
Lab File: BF134644.D

Acq: 07 Aug 2023 09:48

Tgt Ion: 82 Resp: 1106041

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	14.6	22.0#

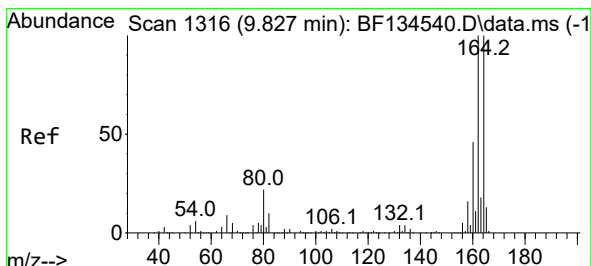
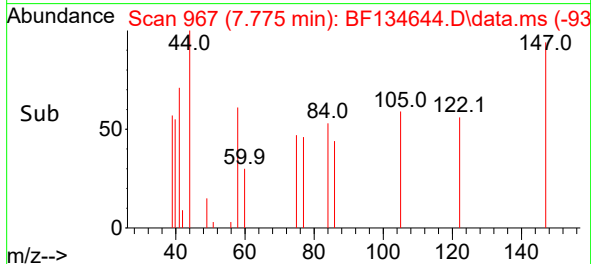
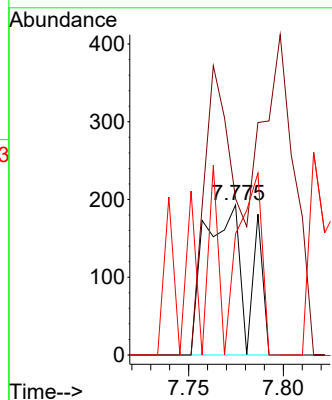
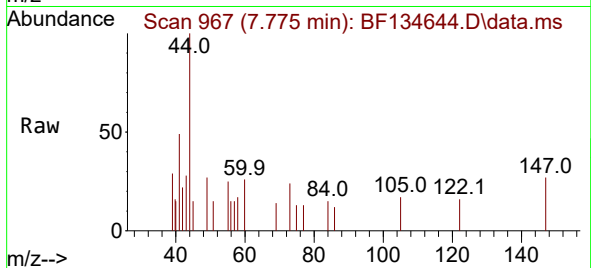




#32
Benzoic acid
Concen: 7.899 ng
RT: 7.775 min Scan# 90
Delta R.T. -0.088 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

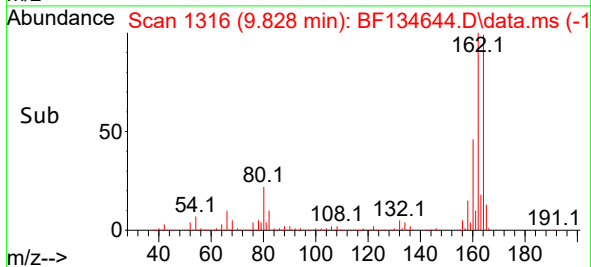
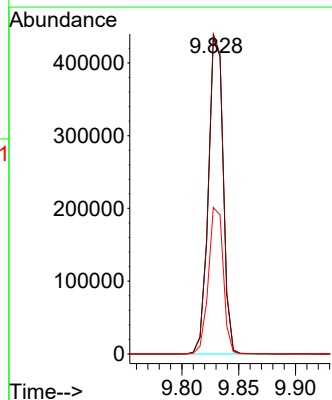
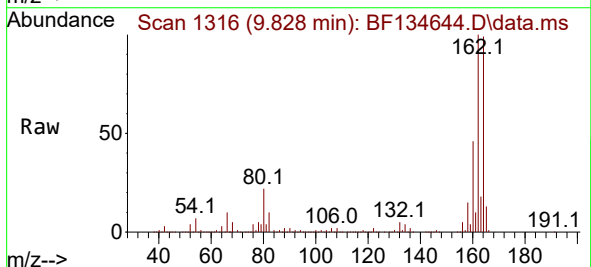
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TP-1

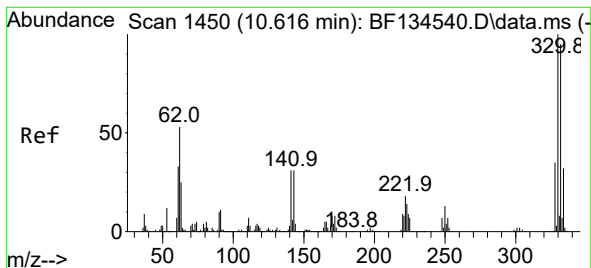
Tgt Ion:	122	Resp:	303
Ion	Ratio	Lower	Upper
122	100		
105	104.1	87.5	127.5
77	80.8	71.4	111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

Tgt Ion:	164	Resp:	391745
Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	46.3	37.2	55.8

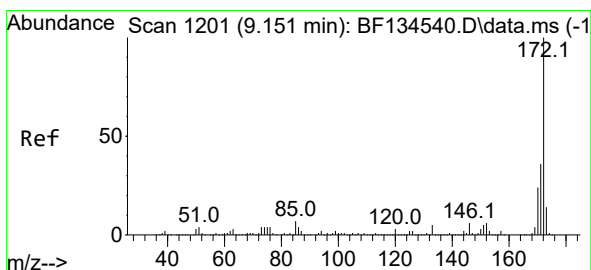
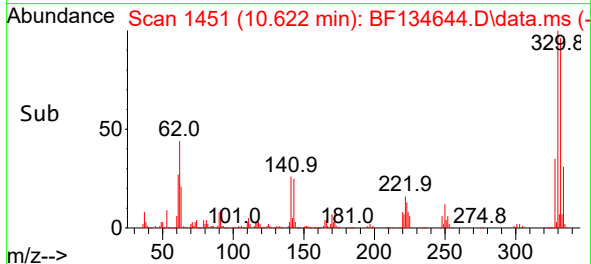
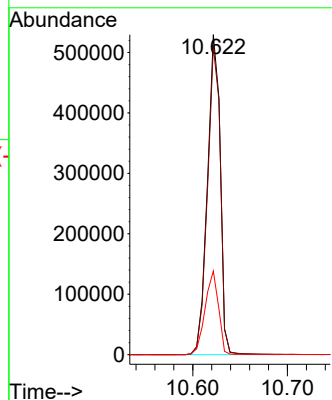
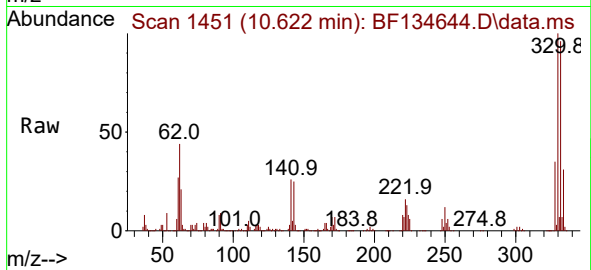




#42
2,4,6-Tribromophenol
Concen: 124.350 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

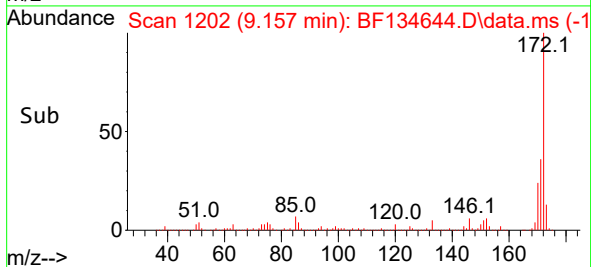
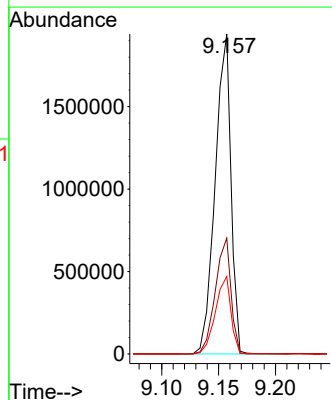
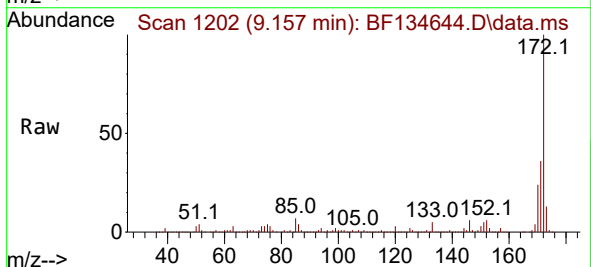
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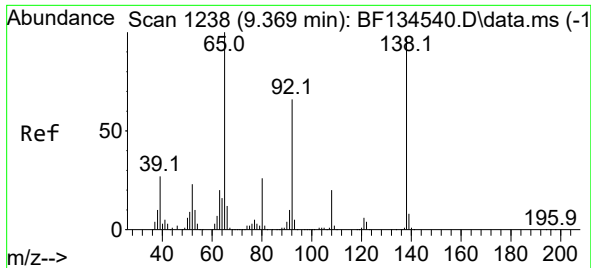
Tgt Ion:330 Resp: 496589
Ion Ratio Lower Upper
330 100
332 97.1 78.8 118.2
141 27.4 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 79.591 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

Tgt Ion:172 Resp: 1875237
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.2 18.7 28.1





#48

2-Nitroaniline

Concen: 3.185 ng

RT: 9.410 min Scan# 11

Delta R.T. 0.030 min

Lab File: BF134644.D

Acq: 07 Aug 2023 09:48

Instrument :

BNA_F

ClientSampleId :

TP-1

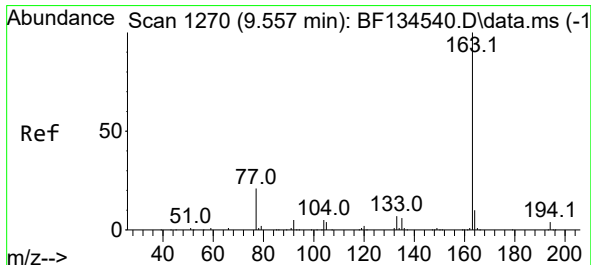
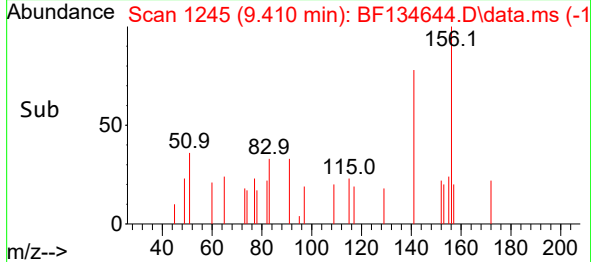
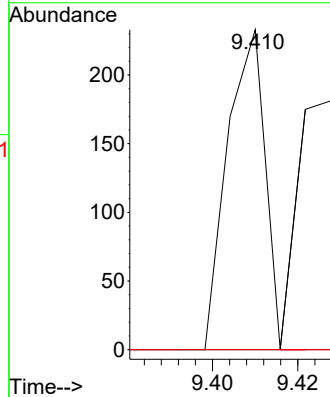
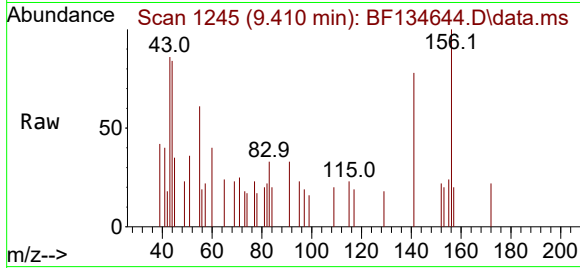
Tgt Ion: 65 Resp: 142

Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#



#50

Dimethylphthalate

Concen: 3.051 ng

RT: 9.834 min Scan# 1317

Delta R.T. 0.265 min

Lab File: BF134644.D

Acq: 07 Aug 2023 09:48

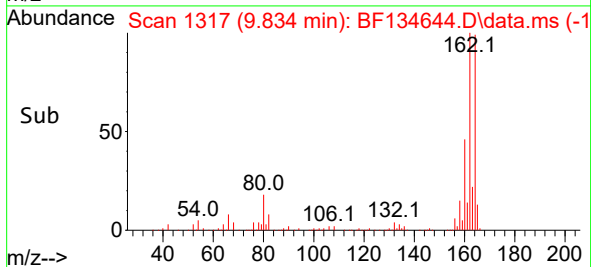
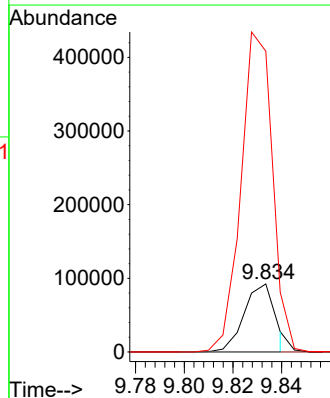
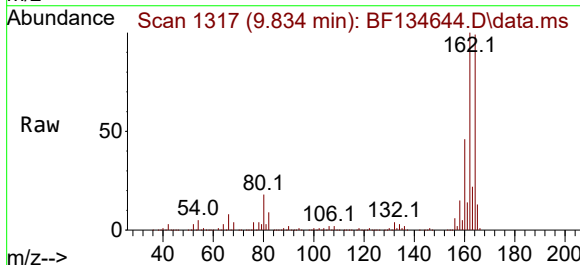
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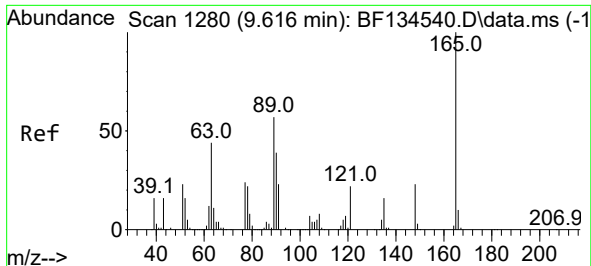
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 442.3 7.5 11.3#

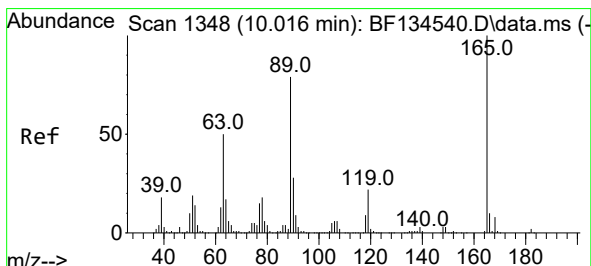
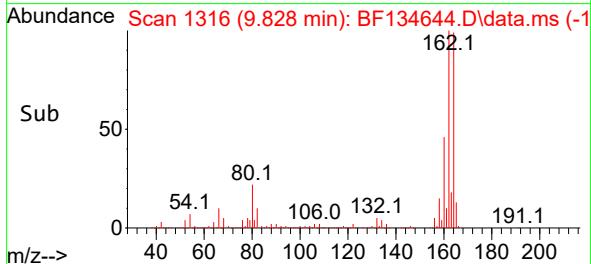
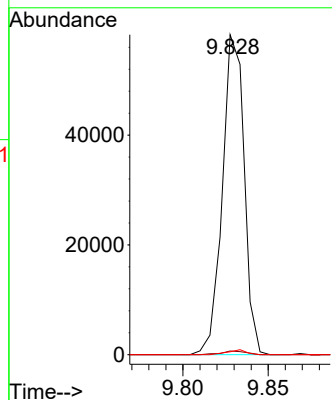
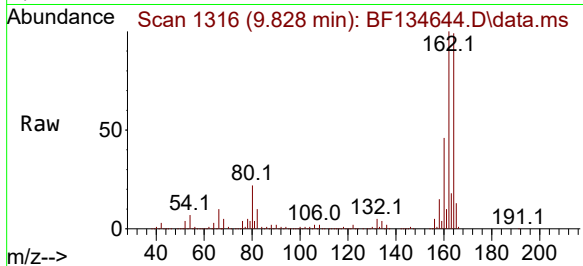




#51
2,6-Dinitrotoluene
Concen: 11.484 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

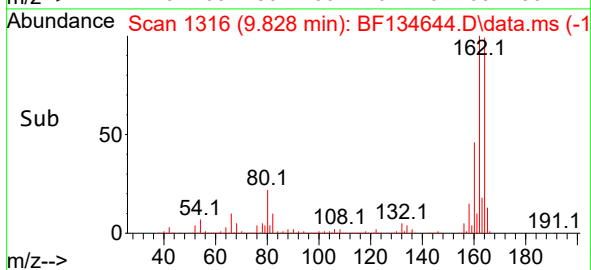
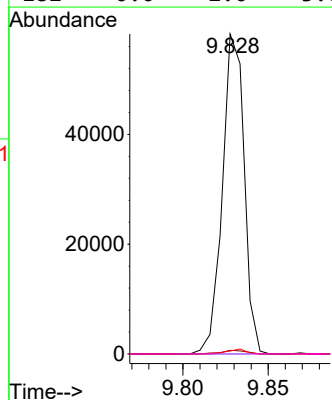
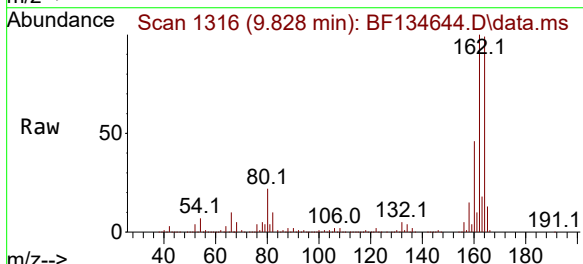
Instrument :
BNA_F
ClientSampleId :
TP-1

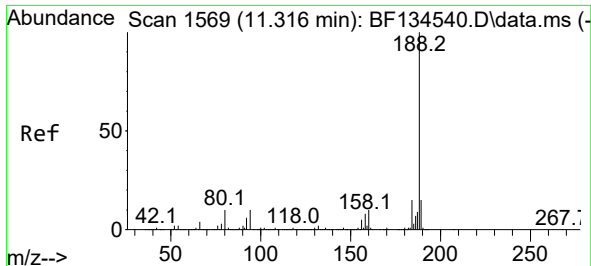
Tgt Ion:165 Resp: 51872
Ion Ratio Lower Upper
165 100
63 1.2 57.8 86.6#
89 0.9 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.235 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

Tgt Ion:165 Resp: 51872
Ion Ratio Lower Upper
165 100
63 1.2 48.9 73.3#
89 0.9 61.7 92.5#
182 0.0 2.0 3.0#

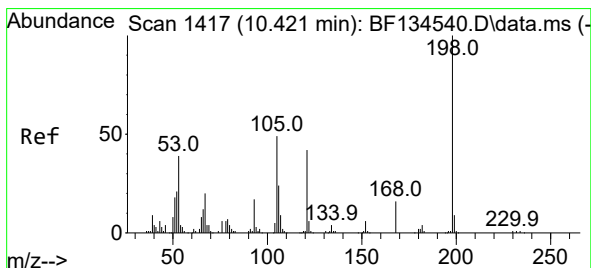
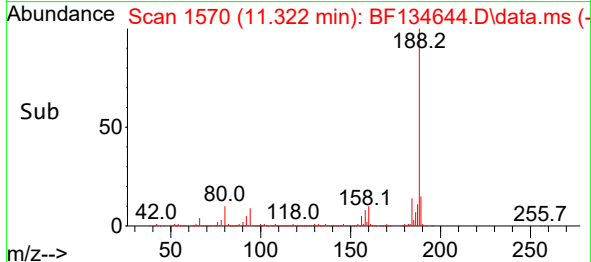
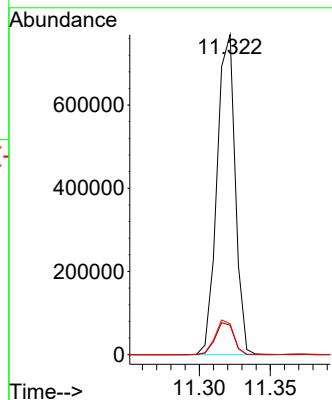
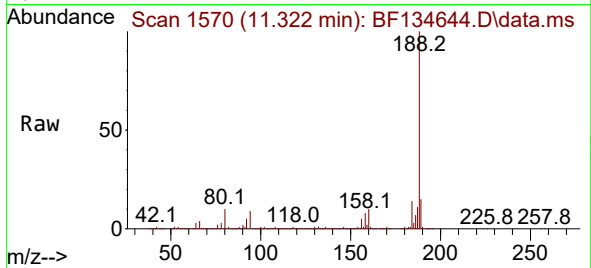




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

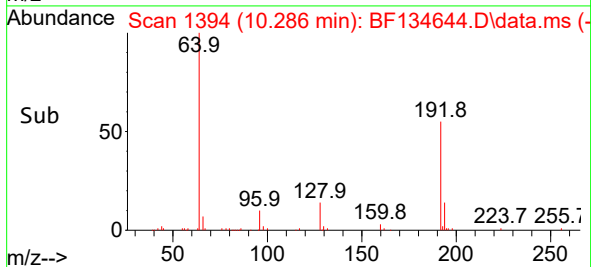
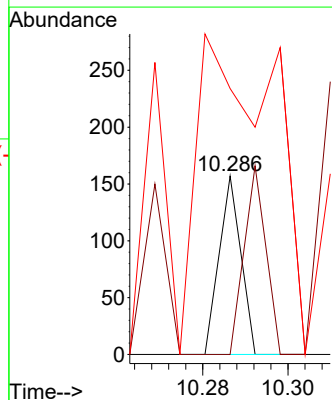
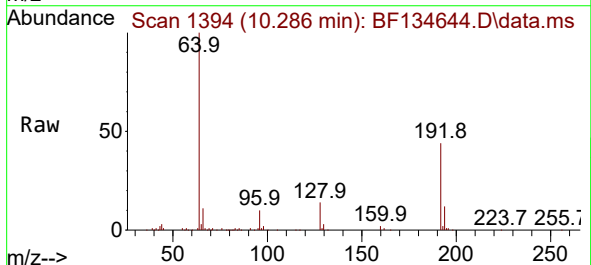
Instrument :
BNA_F
ClientSampleId :
TP-1

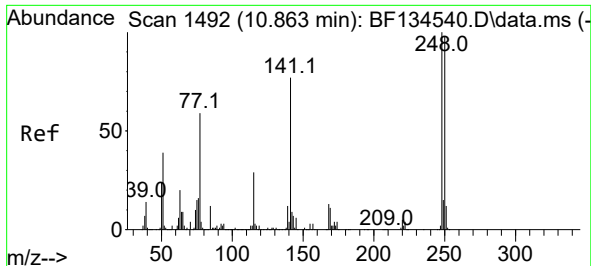
Tgt Ion:188 Resp: 686165
Ion Ratio Lower Upper
188 100
94 9.2 5.1 7.7#
80 9.7 6.6 9.8



#65
4,6-Dinitro-2-methylphenol
Concen: 8.715 ng
RT: 10.286 min Scan# 1394
Delta R.T. -0.153 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

Tgt Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 0.0 38.6 78.6#
105 149.0 27.9 67.9#

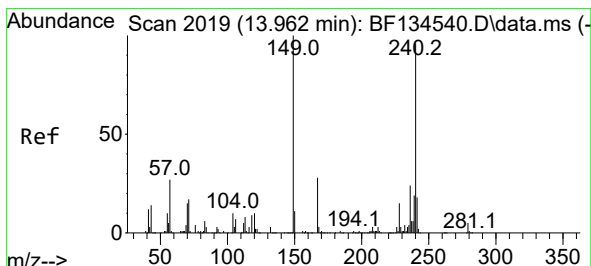
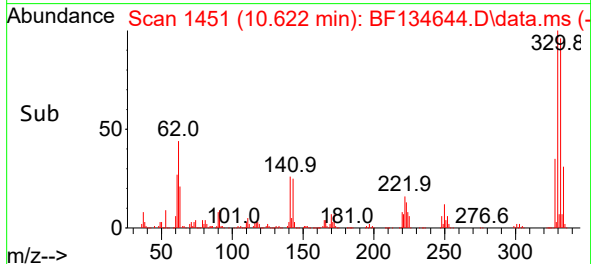
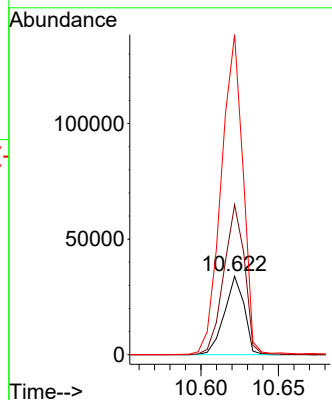
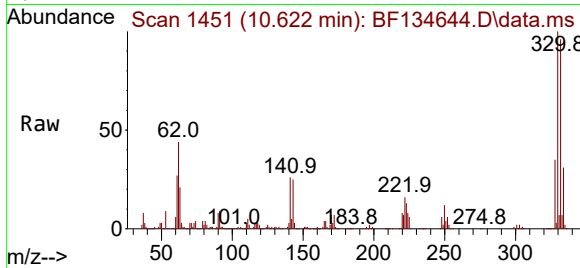




#67
4-Bromophenyl-phenylether
Concen: 4.032 ng
RT: 10.622 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

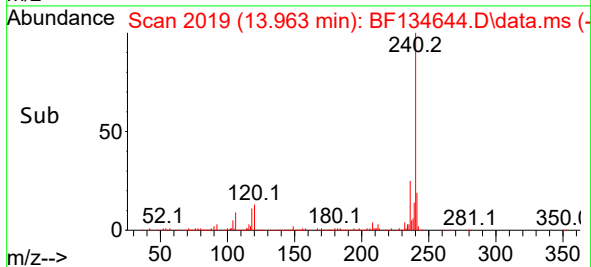
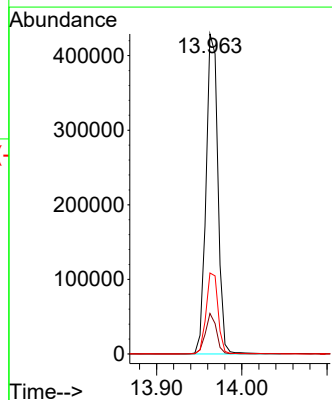
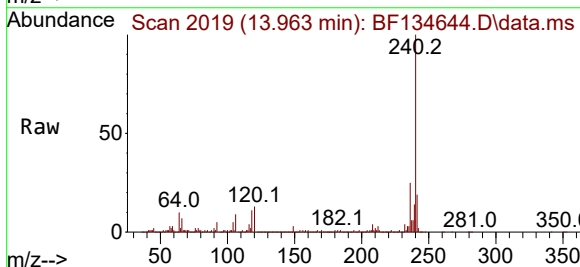
Instrument :
BNA_F
ClientSampleId :
TP-1

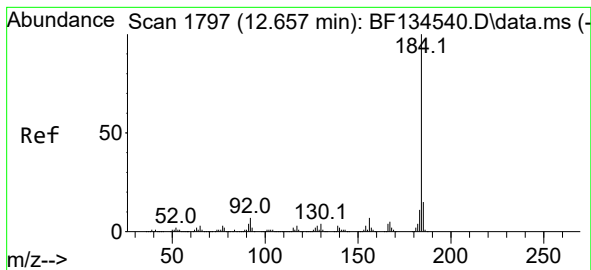
Tgt Ion:248 Resp: 30285
Ion Ratio Lower Upper
248 100
250 191.1 79.6 119.4#
141 408.0 59.6 89.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134644.D
Acq: 07 Aug 2023 09:48

Tgt Ion:240 Resp: 414347
Ion Ratio Lower Upper
240 100
120 12.7 6.6 10.0#
236 25.3 20.2 30.2





#77

Benzidine

Concen: 2.838 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.259 min

Lab File: BF134644.D

Acq: 07 Aug 2023 09:48

Instrument :

BNA_F

ClientSampleId :

TP-1

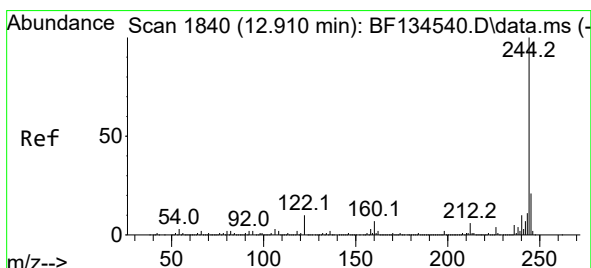
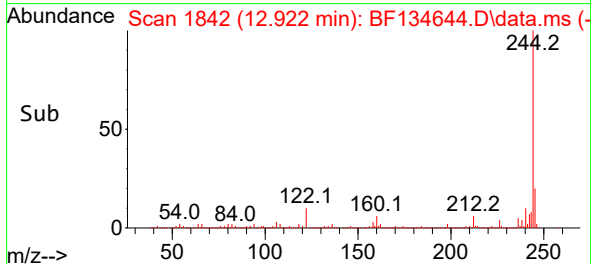
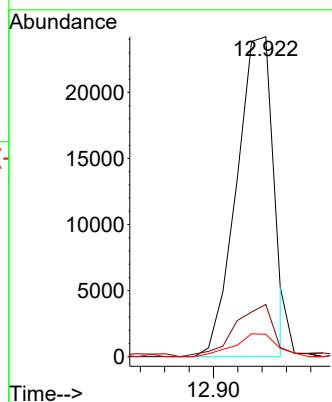
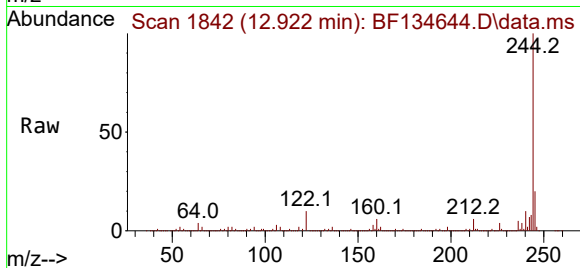
Tgt Ion:184 Resp: 25523

Ion Ratio Lower Upper

184 100

185 16.3 11.2 16.8

183 7.0 8.6 13.0#



#79

Terphenyl-d14

Concen: 88.886 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF134644.D

Acq: 07 Aug 2023 09:48

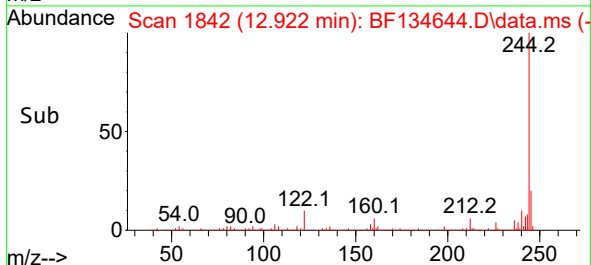
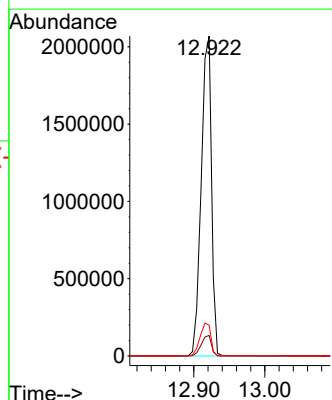
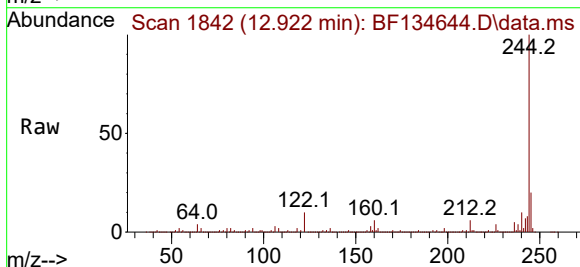
Tgt Ion:244 Resp: 2089187

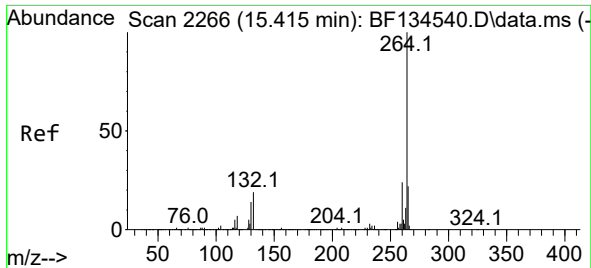
Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

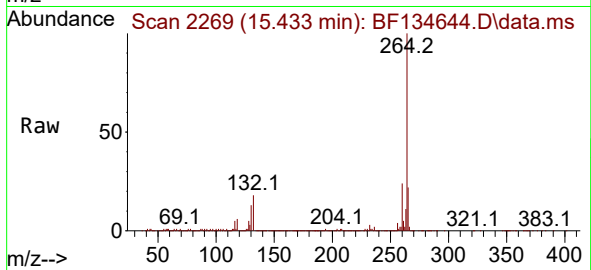
122 9.6 8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF134644.D
 Acq: 07 Aug 2023 09:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:264 Resp: 379236
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.4 27.6
 265 21.5 15.8 23.8

