

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139896.D
 Acq On : 21 Oct 2024 11:55
 Operator : RC/JU
 Sample : P4425-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Oct 21 12:23:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

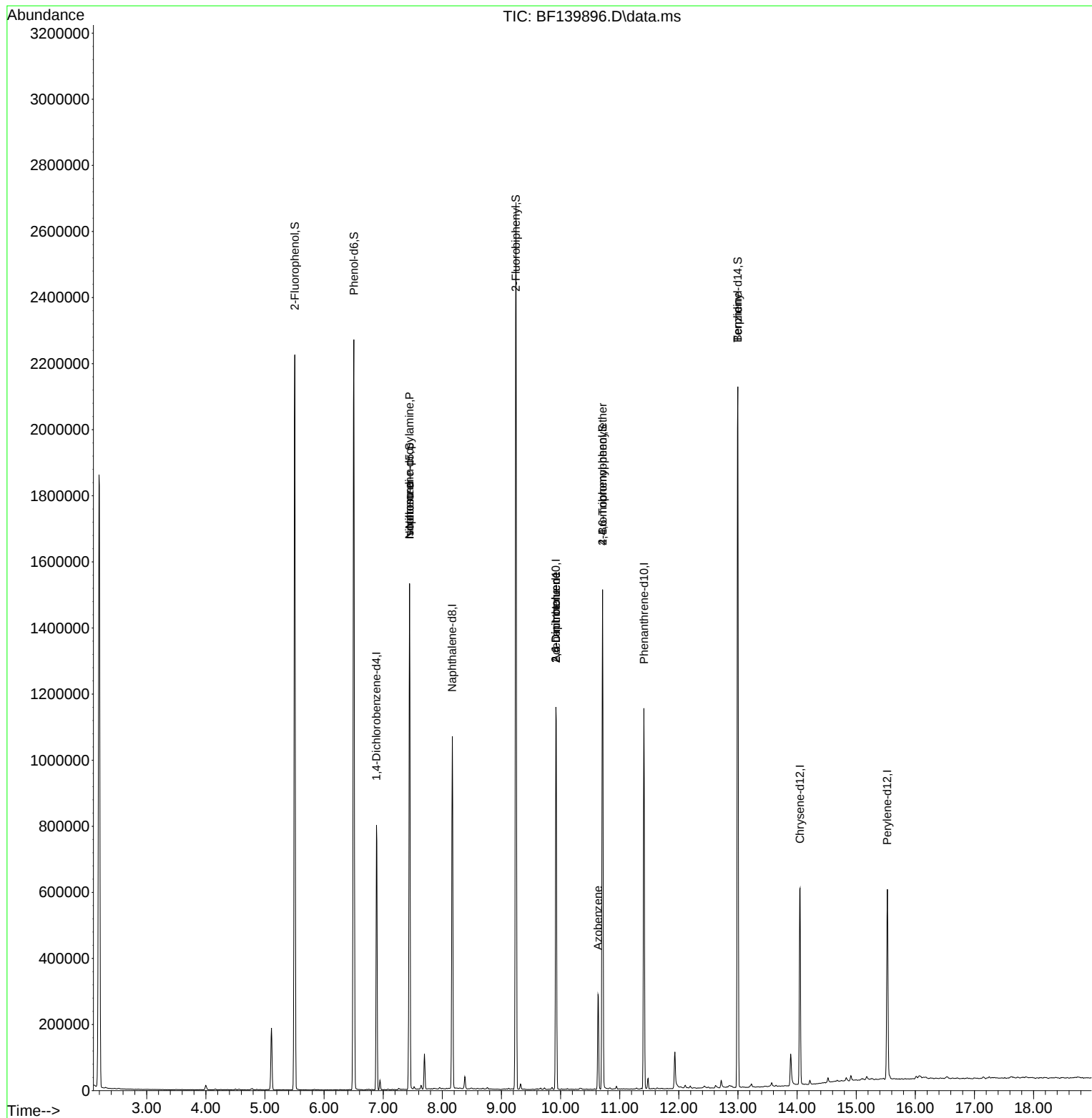
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	164578	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	628643	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	348404	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	578725	20.000	ng	0.00
76) Chrysene-d12	14.051	240	287484	20.000	ng	0.00
86) Perylene-d12	15.527	264	327876	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	807950	76.853	ng	0.00
7) Phenol-d6	6.504	99	1070157	78.596	ng	0.00
23) Nitrobenzene-d5	7.445	82	657459	57.964	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	244648	75.072	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1177768	55.869	ng	0.00
79) Terphenyl-d14	12.998	244	1049969	59.513	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	87443	10.589	ng	# 78
25) Isophorone	7.445	82	655707	30.458	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	46235	9.840	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	46235	8.002	ng	# 21
63) Azobenzene	10.633	77	75376	3.337	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	15798	2.650	ng	# 1
77) Benzidine	12.998	184	12958	2.741	ng	# 91

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

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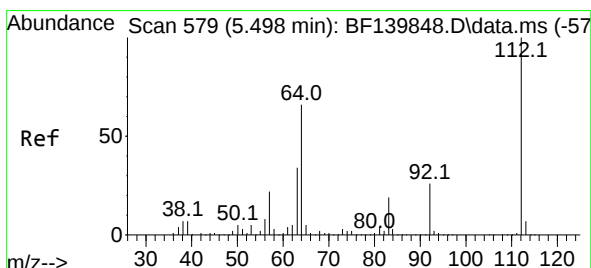
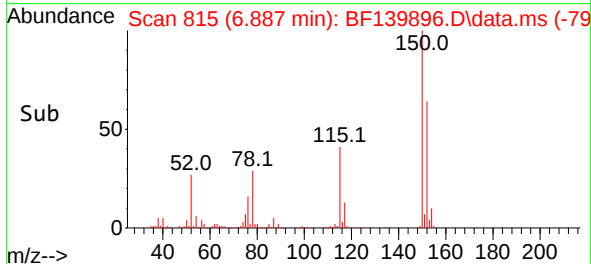
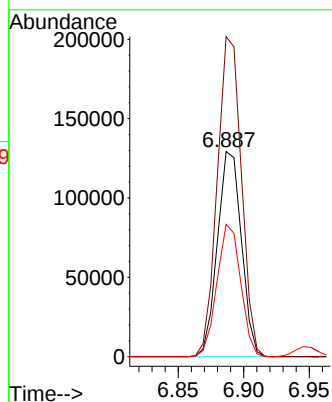
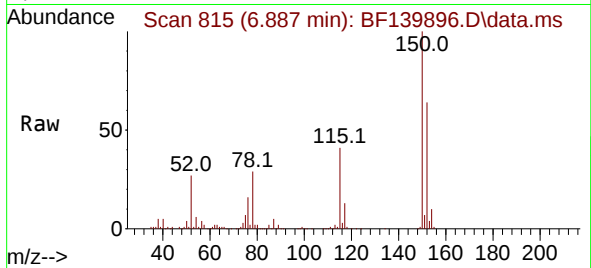




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

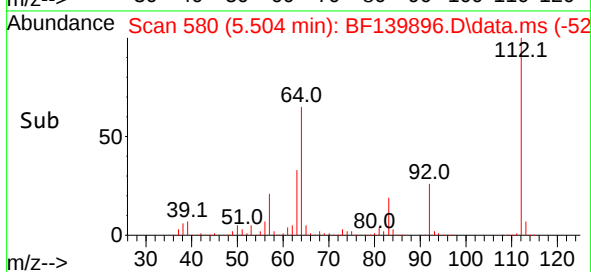
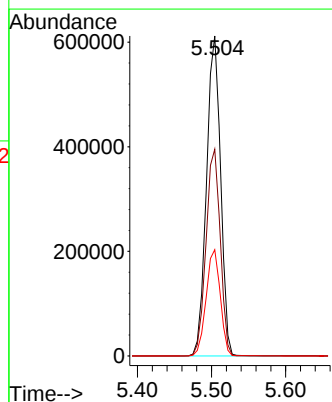
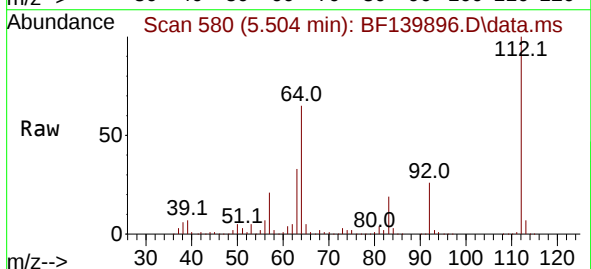
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:152 Resp: 164578
Ion Ratio Lower Upper
152 100
150 156.0 130.2 195.2
115 64.5 51.4 77.2



#5
2-Fluorophenol
Concen: 76.853 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

Tgt Ion:112 Resp: 807950
Ion Ratio Lower Upper
112 100
64 64.6 53.0 79.6
63 33.2 27.0 40.4



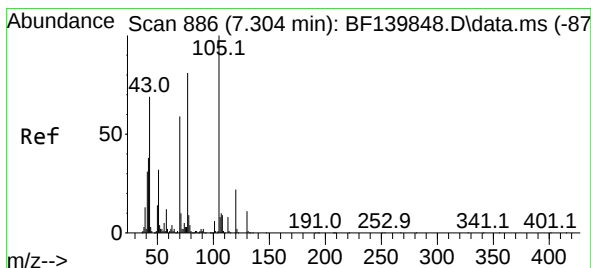
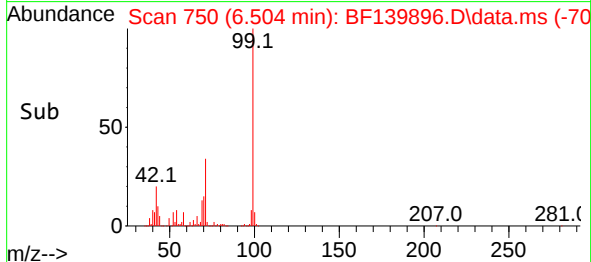
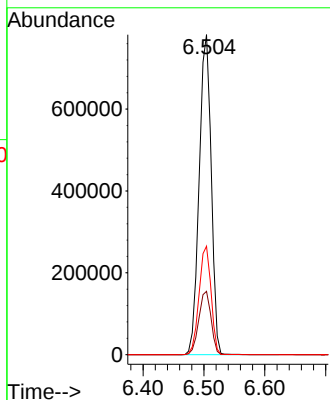
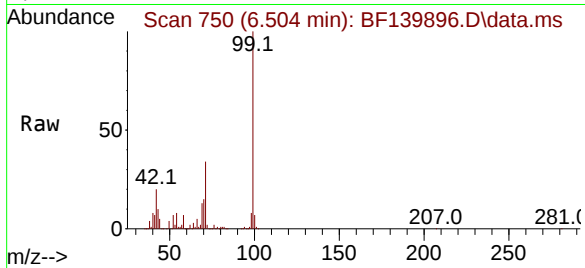


#7
Phenol-d6
Concen: 78.596 ng
RT: 6.504 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 99 Resp: 1070157

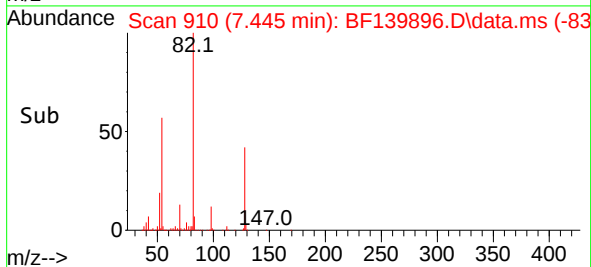
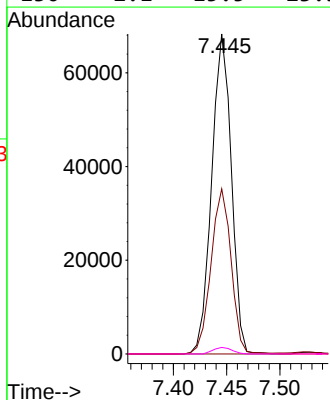
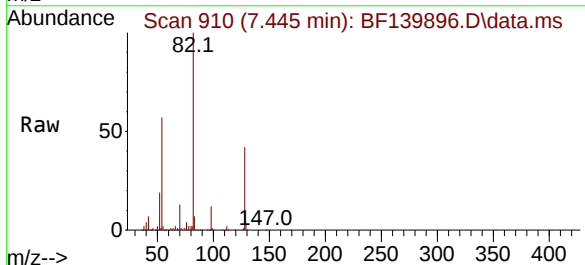
Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.7	25.1
71	33.9	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.589 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

Tgt Ion: 70 Resp: 87443

Ion	Ratio	Lower	Upper
70	100		
42	51.6	51.5	77.3
101	0.0	7.5	11.3#
130	2.1	15.5	23.3#

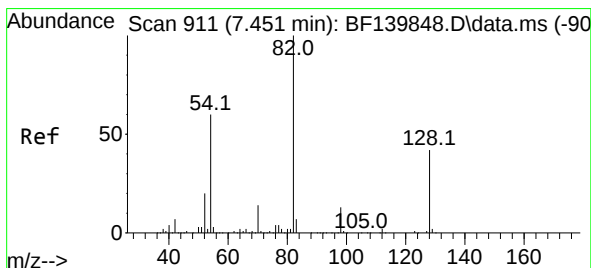
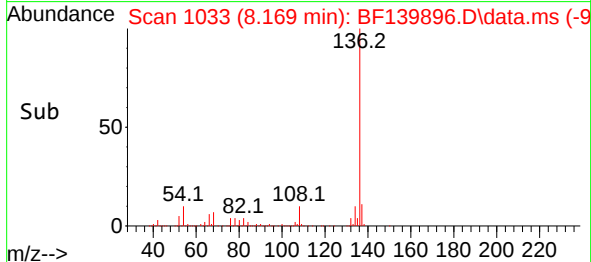
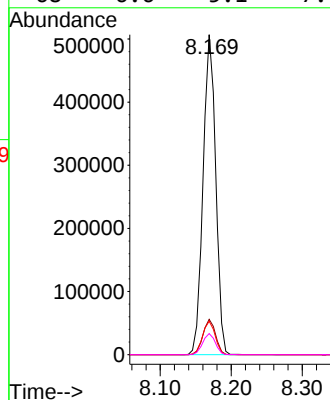
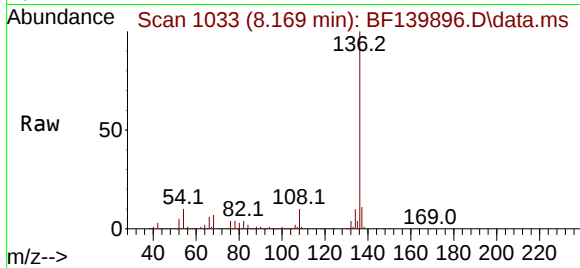




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

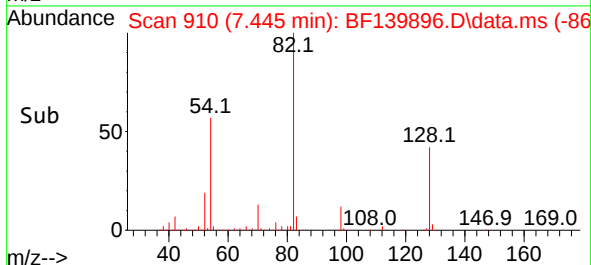
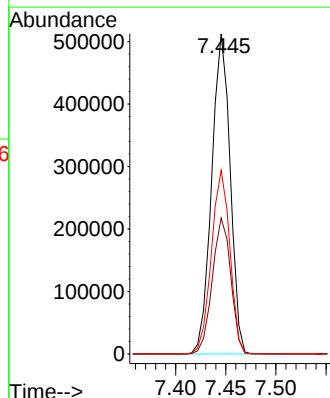
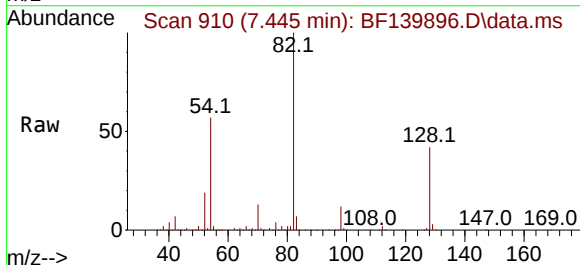
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:136	Resp: 628643
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 12.8
54 10.4	8.4 12.6
68 6.6	5.1 7.7



#23
Nitrobenzene-d5
Concen: 57.964 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

Tgt Ion: 82	Resp: 657459
Ion Ratio	Lower Upper
82 100	
128 42.5	33.4 50.0
54 57.3	47.8 71.8

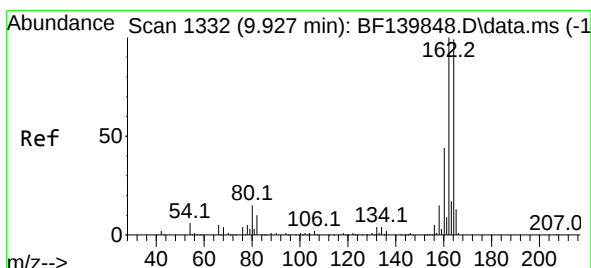
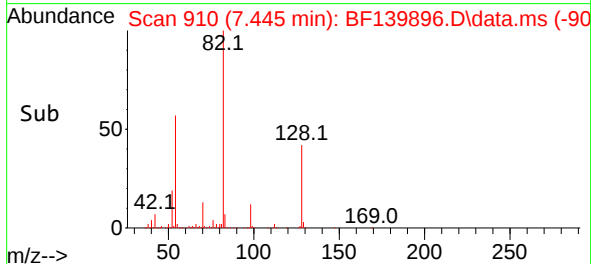
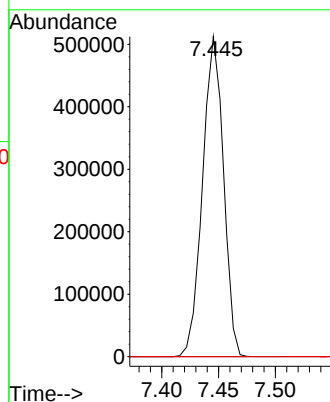
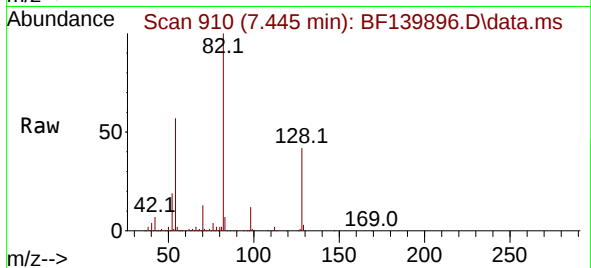




#25
Isophorone
Concen: 30.458 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

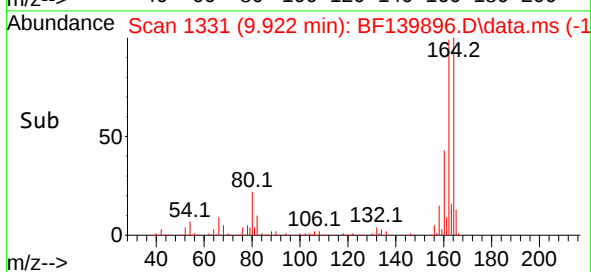
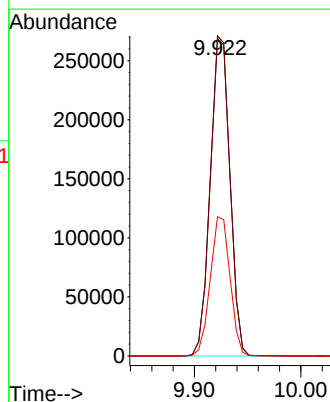
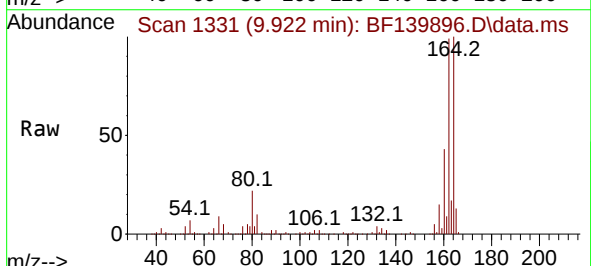
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 82 Resp: 655707
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

Tgt Ion: 164 Resp: 348404
Ion Ratio Lower Upper
164 100
162 99.3 81.0 121.4
160 43.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 75.072 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139896.D

Acq: 21 Oct 2024 11:55

Instrument :

BNA_F

ClientSampleId :

TP-5

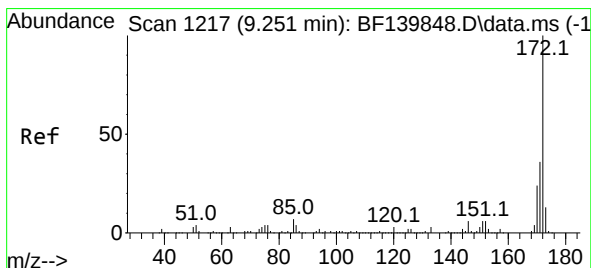
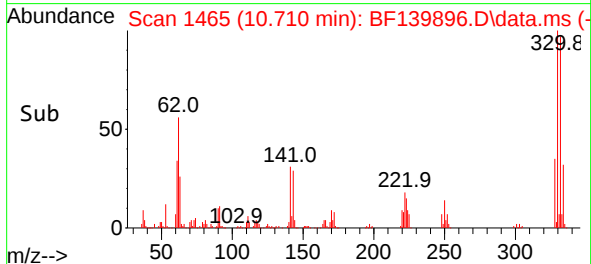
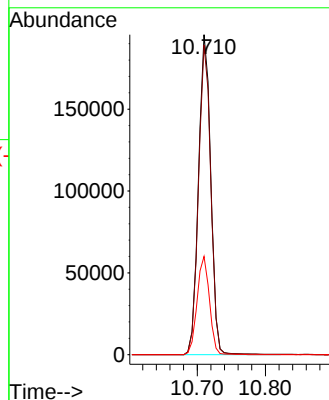
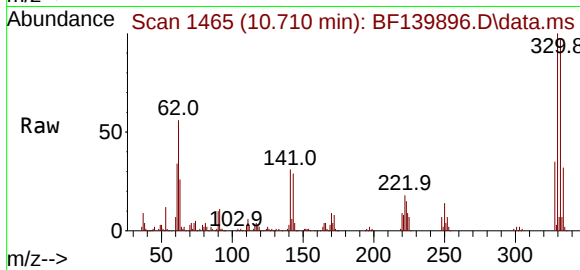
Tgt Ion:330 Resp: 244648

Ion Ratio Lower Upper

330 100

332 96.7 78.1 117.1

141 30.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 55.869 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139896.D

Acq: 21 Oct 2024 11:55

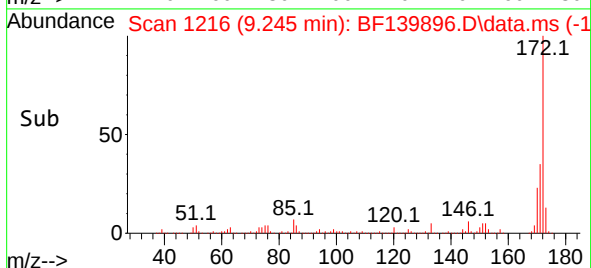
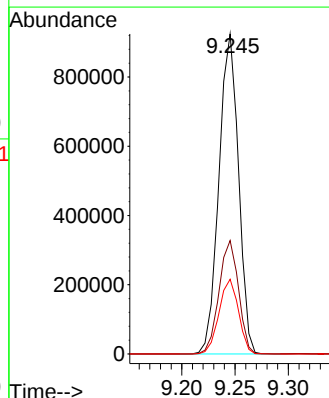
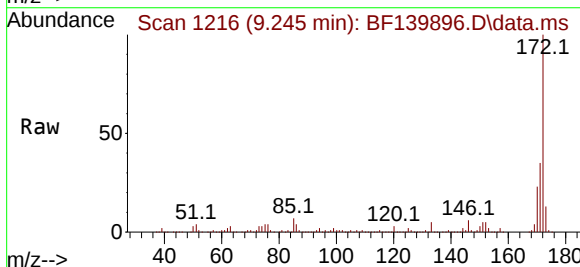
Tgt Ion:172 Resp: 1177768

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.3 19.1 28.7

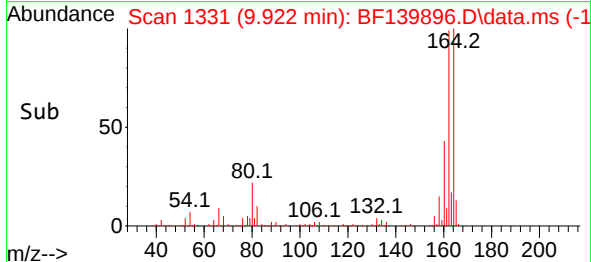
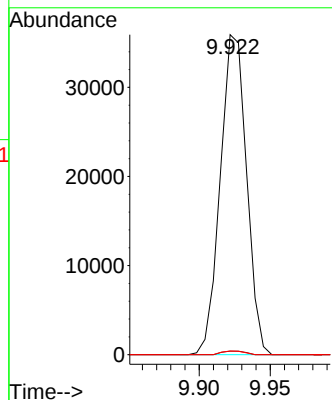
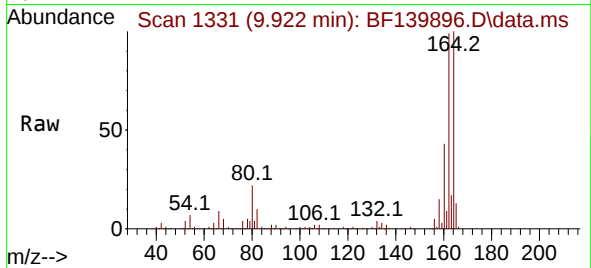




#51
2,6-Dinitrotoluene
Concen: 9.840 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

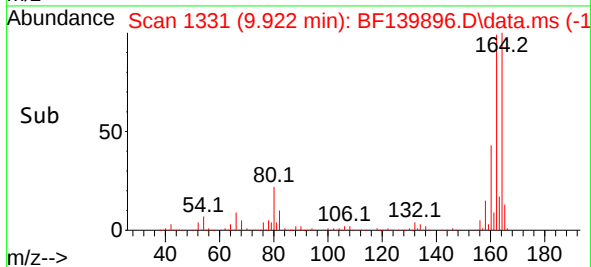
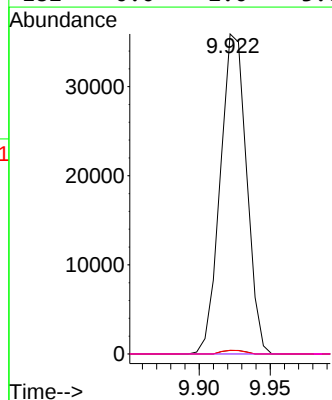
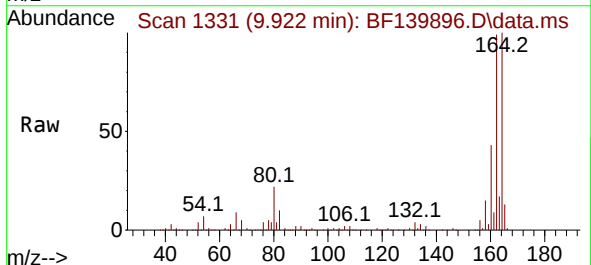
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TP-5

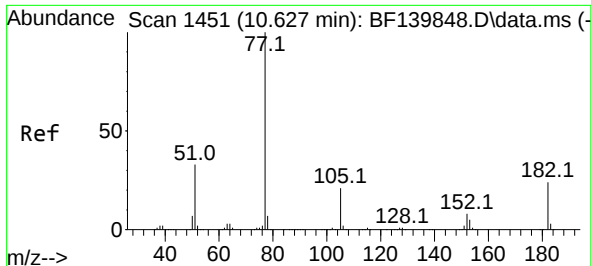
Tgt Ion:165 Resp: 46235
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 8.002 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

Tgt Ion:165 Resp: 46235
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#

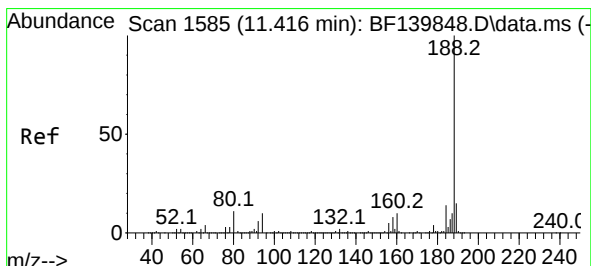
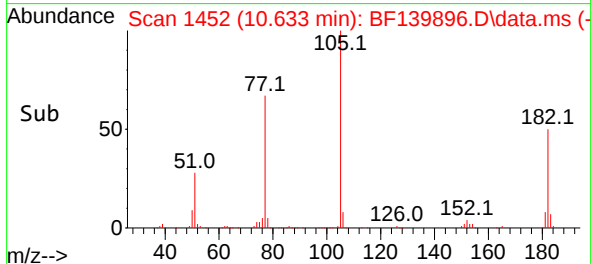
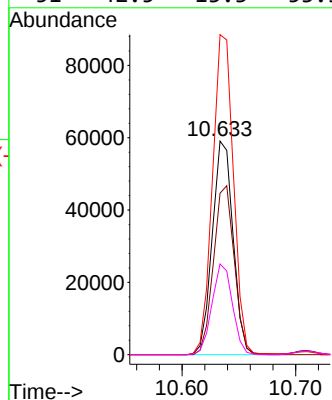
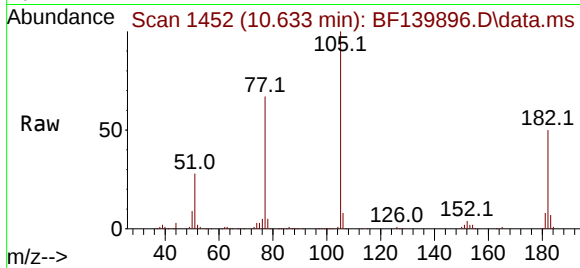




#63
Azobenzene
Concen: 3.337 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

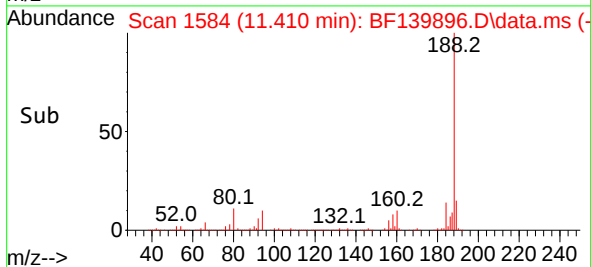
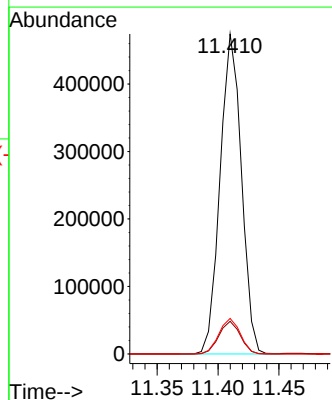
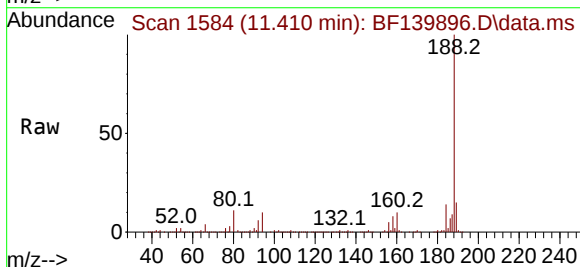
Instrument :
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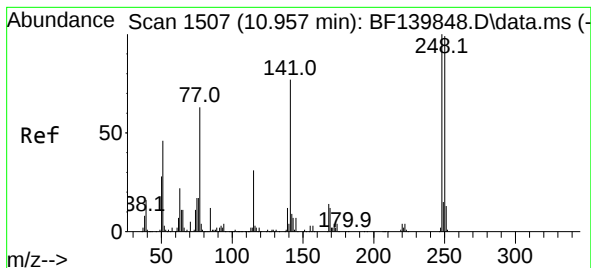
Tgt Ion: 77	Resp: 75376
Ion Ratio	Lower Upper
77 100	
182 75.5	3.3 43.3#
105 149.8	1.2 41.2#
51 42.5	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

Tgt Ion: 188	Resp: 578725
Ion Ratio	Lower Upper
188 100	
94 10.2	7.9 11.9
80 11.1	9.0 13.4

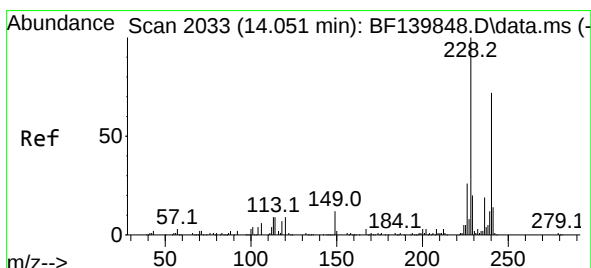
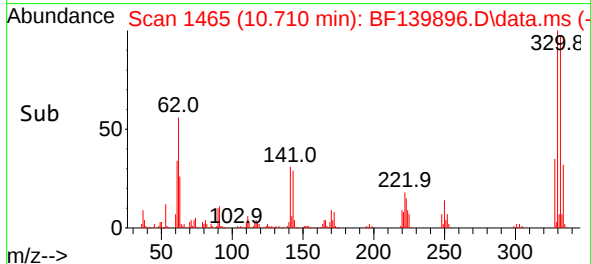
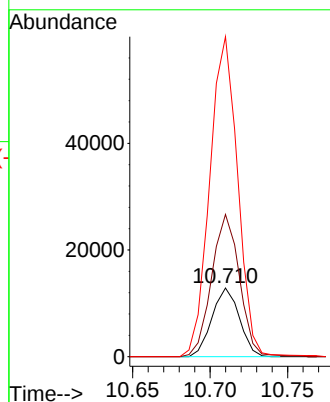
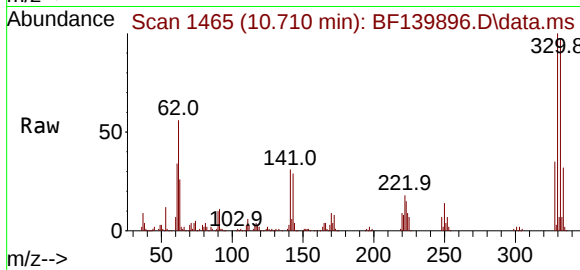




#67
4-Bromophenyl-phenylether
Concen: 2.650 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

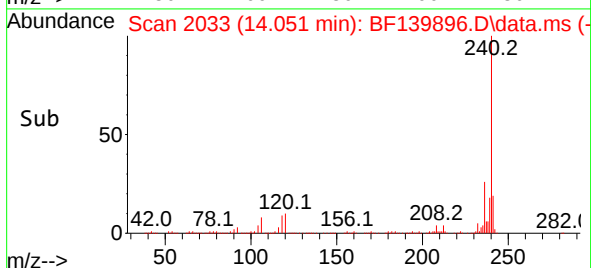
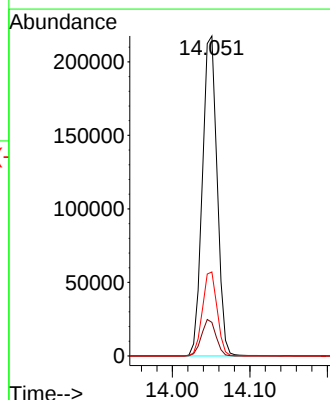
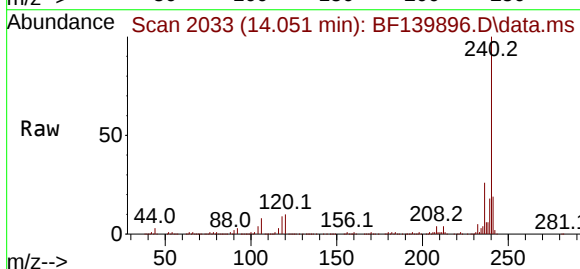
Instrument :
BNA_F
ClientSampleId :
TP-5

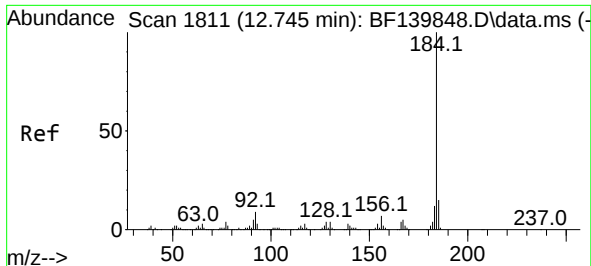
Tgt Ion:248 Resp: 15798
Ion Ratio Lower Upper
248 100
250 207.1 79.0 118.6#
141 465.9 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

Tgt Ion:240 Resp: 287484
Ion Ratio Lower Upper
240 100
120 10.5 9.4 14.2
236 26.3 20.9 31.3

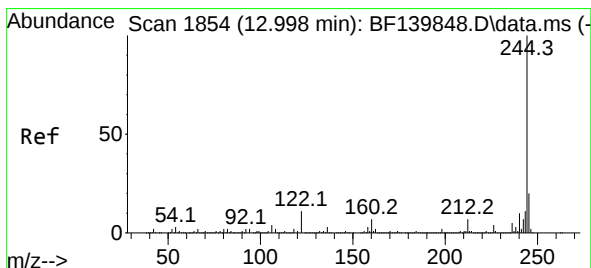
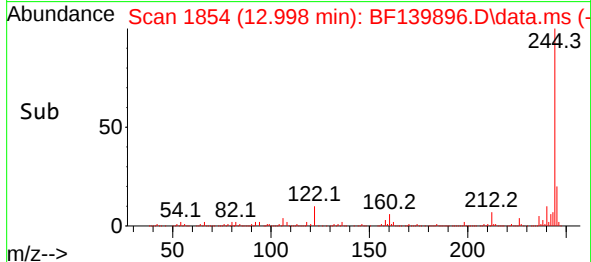
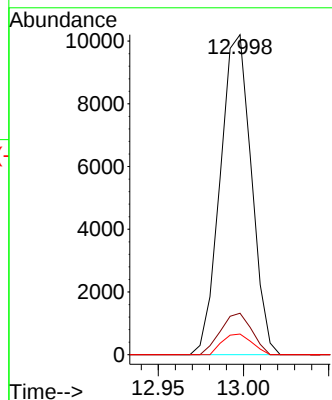
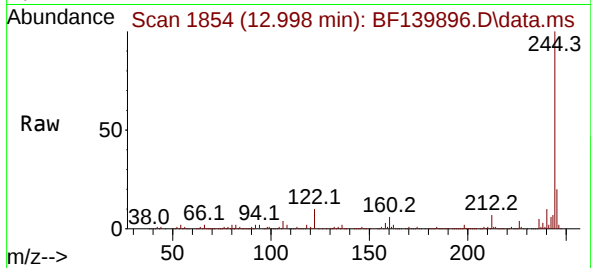




#77
Benzidine
Concen: 2.741 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

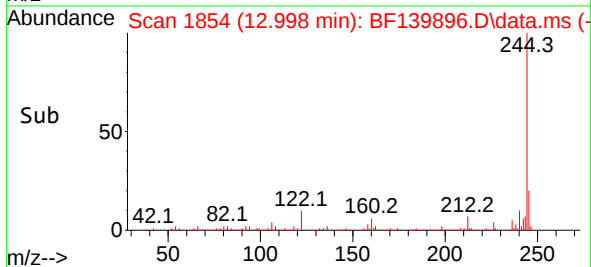
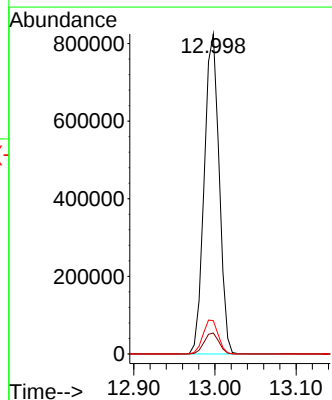
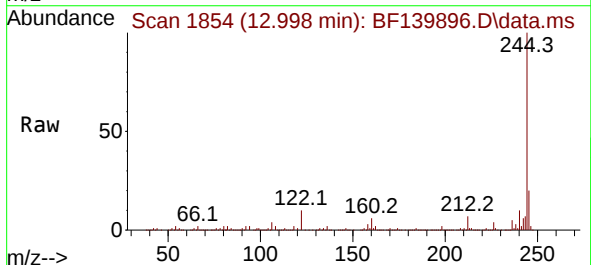
Instrument :
BNA_F
ClientSampleId :
TP-5

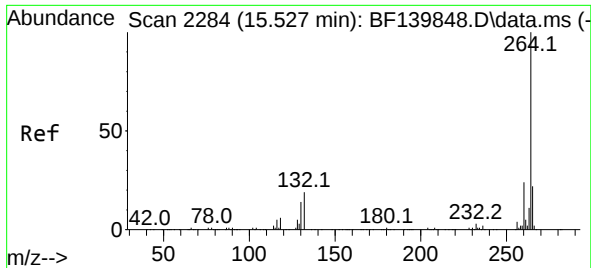
Tgt Ion:184 Resp: 12958
Ion Ratio Lower Upper
184 100
185 13.0 12.0 18.0
183 6.5 9.4 14.2#



#79
Terphenyl-d14
Concen: 59.513 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139896.D
Acq: 21 Oct 2024 11:55

Tgt Ion:244 Resp: 1049969
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.4 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF139896.D
 Acq: 21 Oct 2024 11:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:264	Resp:	327876
Ion	Ratio	Lower Upper
264	100	
260	23.3	19.4 29.2
265	21.4	17.4 26.0

