

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140197.D
 Acq On : 31 Oct 2024 18:47
 Operator : RC/JU
 Sample : P4643-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Quant Time: Nov 01 01:15:02 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)

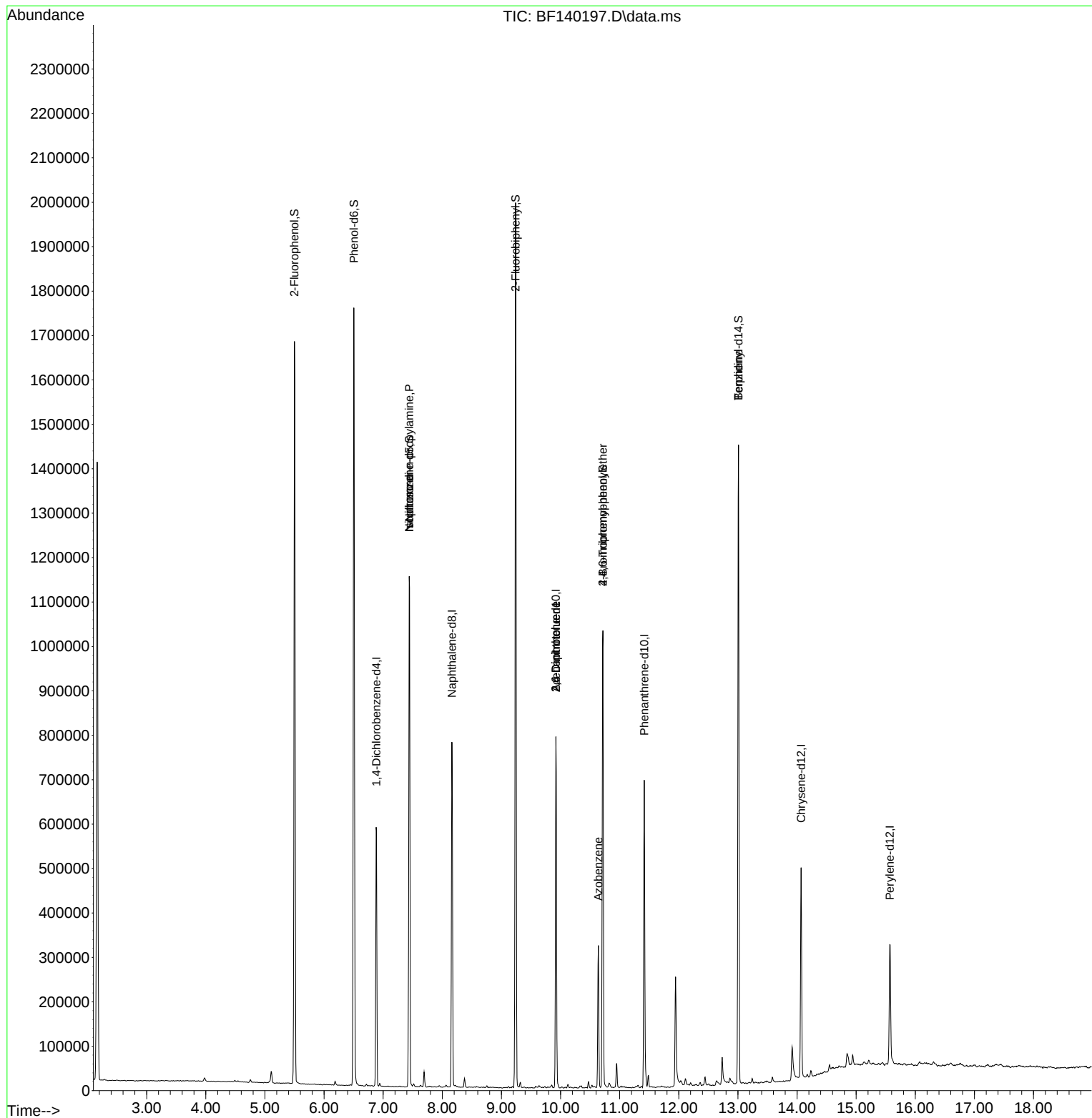
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	119984	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	458206	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	231583	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	353001	20.000	ng	0.00
76) Chrysene-d12	14.069	240	215062	20.000	ng	0.02
86) Perylene-d12	15.568	264	166333	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	603374	78.725	ng	0.00
7) Phenol-d6	6.504	99	793130	79.900	ng	0.00
23) Nitrobenzene-d5	7.440	82	516434	62.467	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	172260	79.523	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	854065	60.951	ng	-0.01
79) Terphenyl-d14	13.010	244	706701	53.545	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	69958	11.620	ng	# 78
25) Isophorone	7.440	82	513672	32.736	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	30255	9.687	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	30255	7.877	ng	# 21
63) Azobenzene	10.639	77	79427	5.290	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	11549	3.176	ng	# 1
77) Benzidine	13.010	184	9308	2.632	ng	# 93

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

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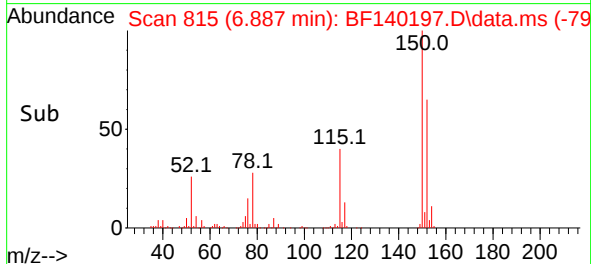
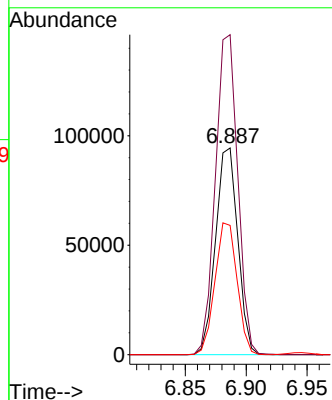
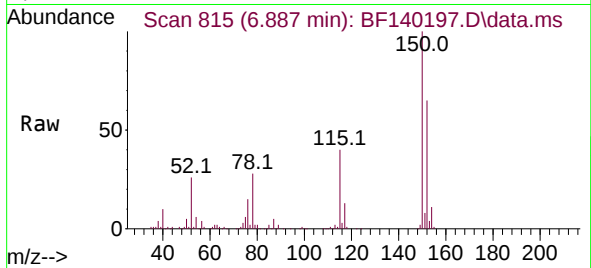




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

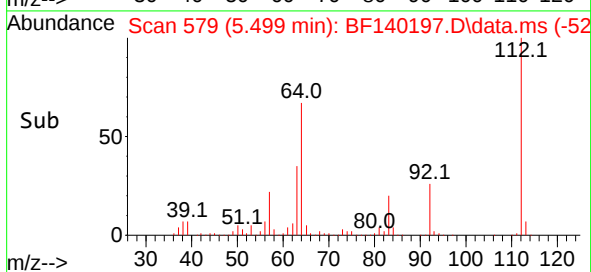
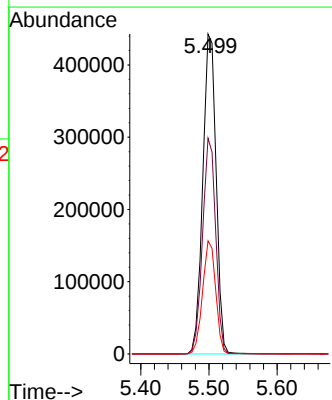
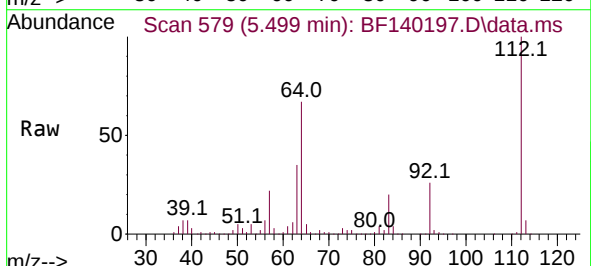
Instrument :
BNA_F
ClientSampleId :
TP-9

Tgt Ion:152 Resp: 119984
Ion Ratio Lower Upper
152 100
150 154.8 130.2 195.2
115 62.5 51.4 77.2



#5
2-Fluorophenol
Concen: 78.725 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

Tgt Ion:112 Resp: 603374
Ion Ratio Lower Upper
112 100
64 67.5 53.0 79.6
63 35.4 27.0 40.4





#7
Phenol-d6
Concen: 79.900 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

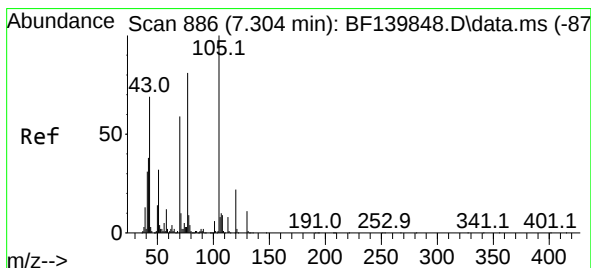
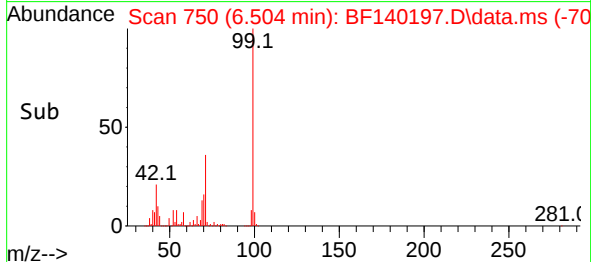
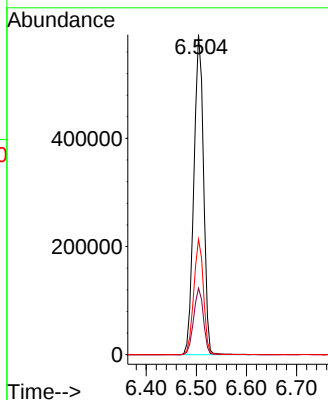
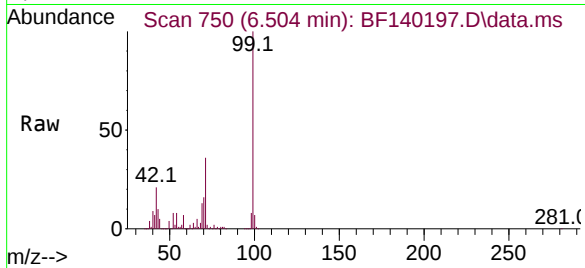
Instrument :

BNA_F

ClientSampleId :

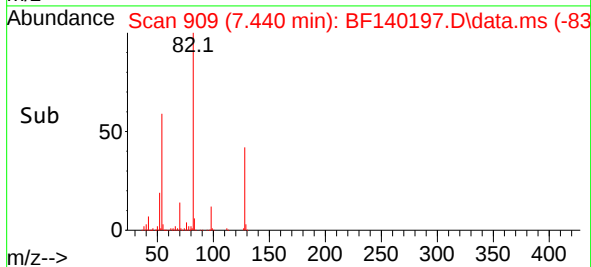
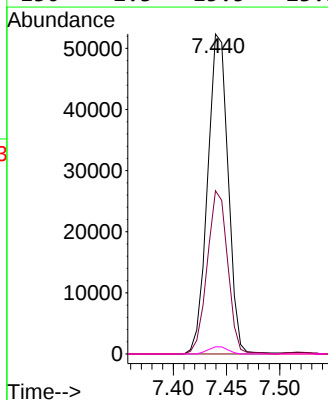
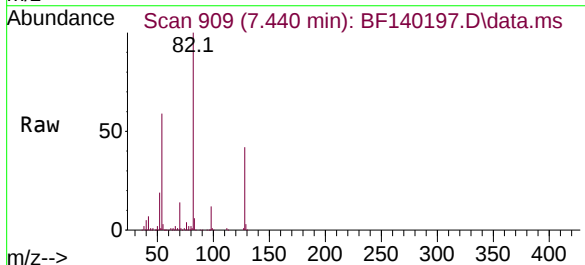
TP-9

Tgt Ion: 99 Resp: 793130
Ion Ratio Lower Upper
99 100
42 20.8 16.7 25.1
71 36.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.620 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.136 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

Tgt Ion: 70 Resp: 69958
Ion Ratio Lower Upper
70 100
42 51.0 51.5 77.3#
101 0.0 7.5 11.3#
130 2.3 15.5 23.3#



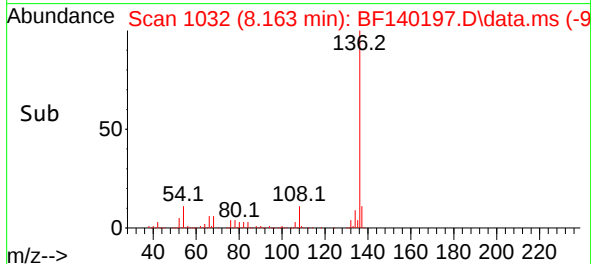
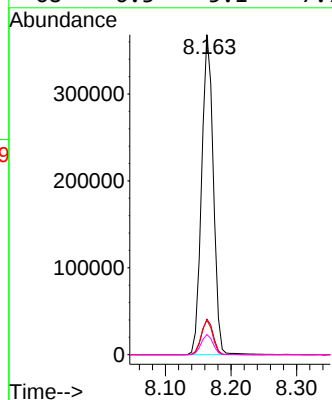
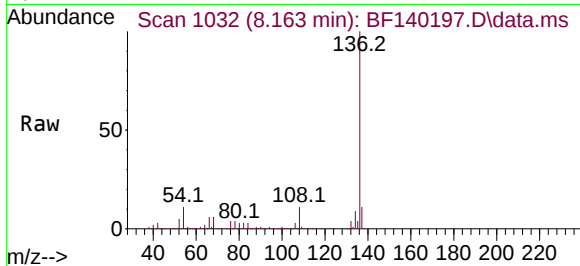


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

Instrument :
BNA_F
ClientSampleId :
TP-9

Tgt Ion:136 Resp: 458206

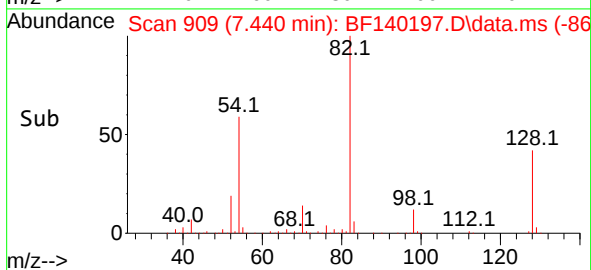
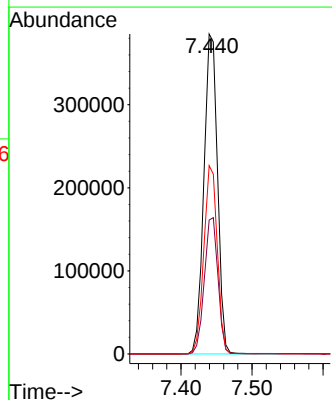
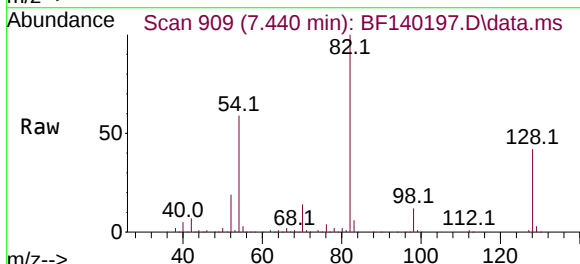
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.8	8.4	12.6
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 62.467 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

Tgt Ion: 82 Resp: 516434

Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.4	50.0
54	58.8	47.8	71.8

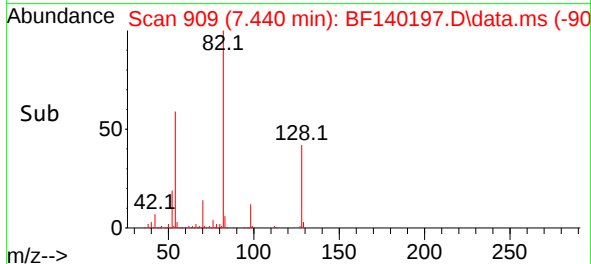
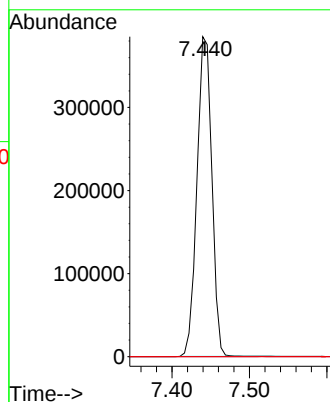
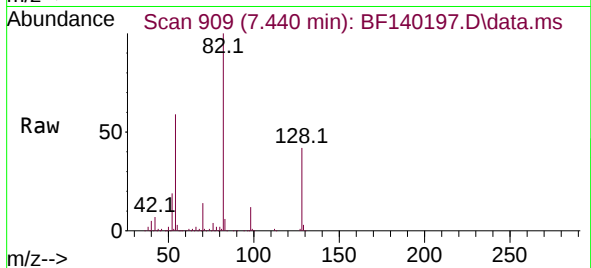




#25
Isophorone
Concen: 32.736 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.270 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

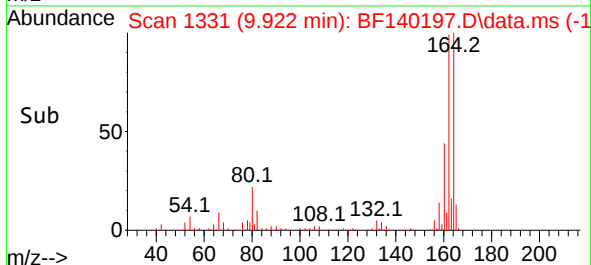
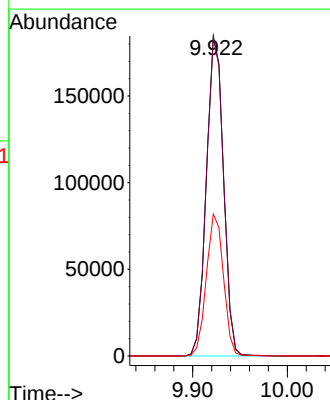
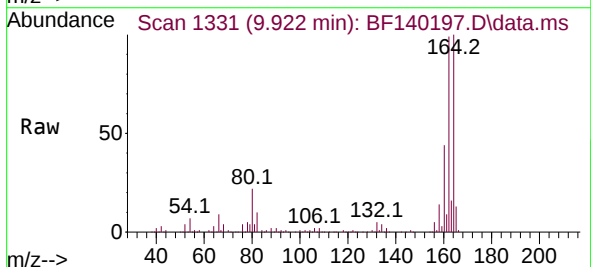
Instrument :
BNA_F
ClientSampleId :
TP-9

Tgt Ion: 82 Resp: 513672
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: BF140197.D
Acq: 31 Oct 2024 18:47

Tgt Ion: 164 Resp: 231583
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.4
160 44.4 35.4 53.0

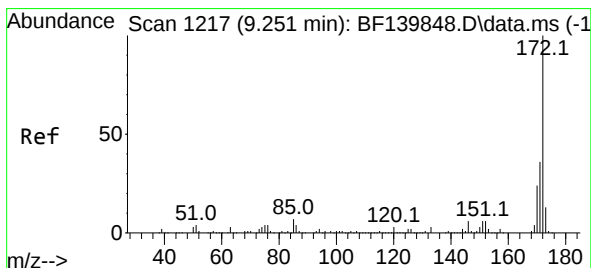
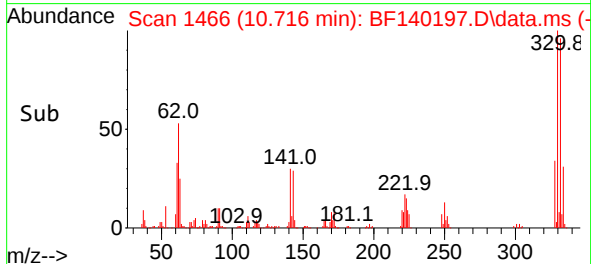
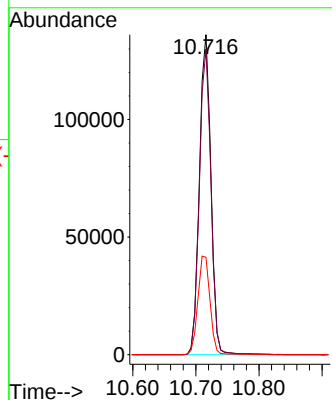
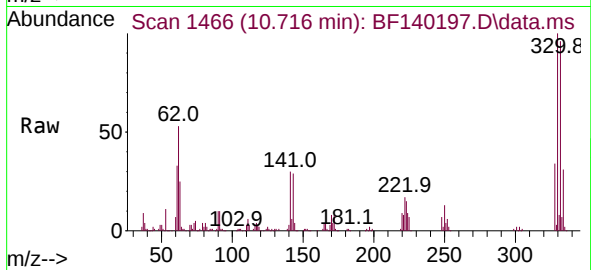




#42
 2,4,6-Tribromophenol
 Concen: 79.523 ng
 RT: 10.716 min Scan# 1466
 Delta R.T. 0.000 min
 Lab File: BF140197.D
 Acq: 31 Oct 2024 18:47

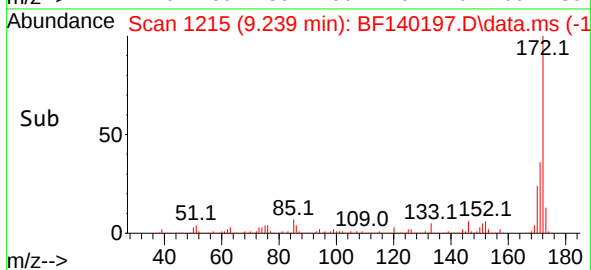
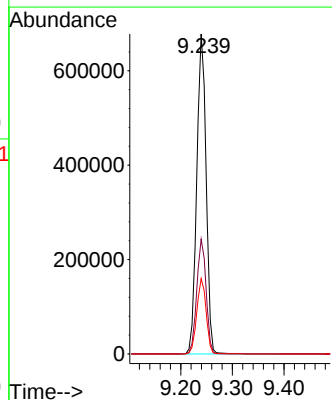
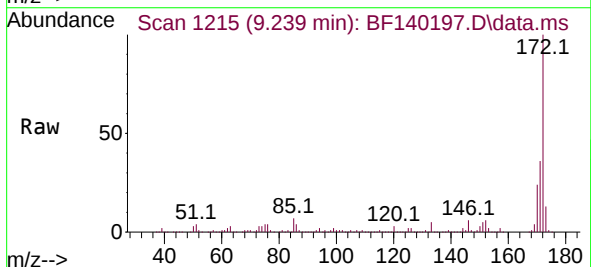
Instrument :
 BNA_F
 ClientSampleId :
 TP-9

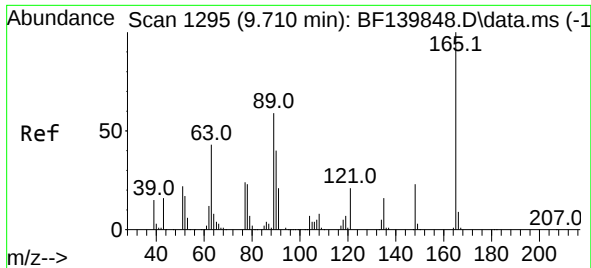
Tgt Ion:330 Resp: 172260
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.1 117.1
 141 32.6 26.6 39.8



#45
 2-Fluorobiphenyl
 Concen: 60.951 ng
 RT: 9.239 min Scan# 1215
 Delta R.T. -0.012 min
 Lab File: BF140197.D
 Acq: 31 Oct 2024 18:47

Tgt Ion:172 Resp: 854065
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 23.5 19.1 28.7

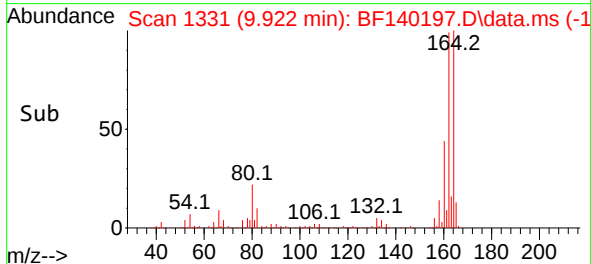
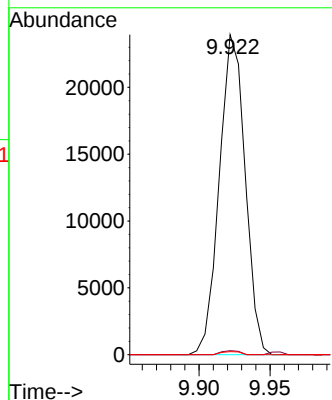
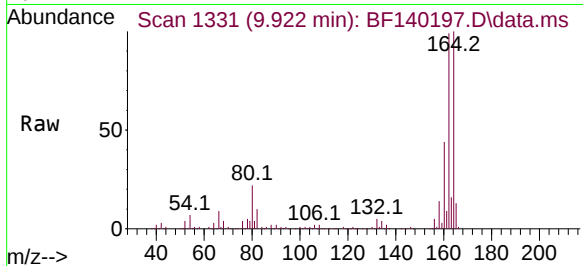




#51
2,6-Dinitrotoluene
Concen: 9.687 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

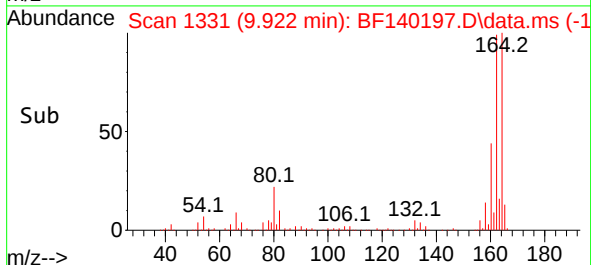
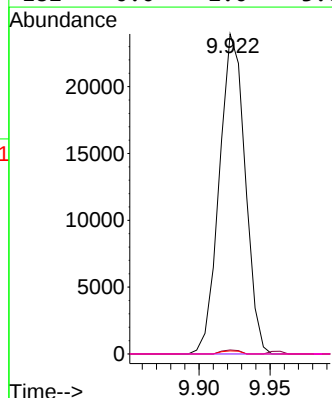
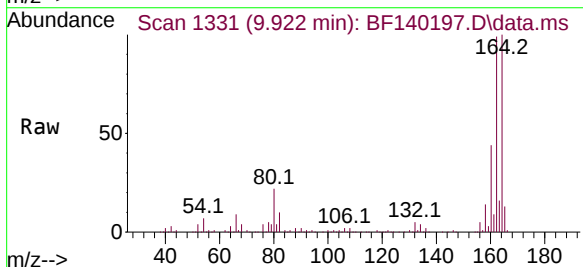
Instrument :
BNA_F
ClientSampleId :
TP-9

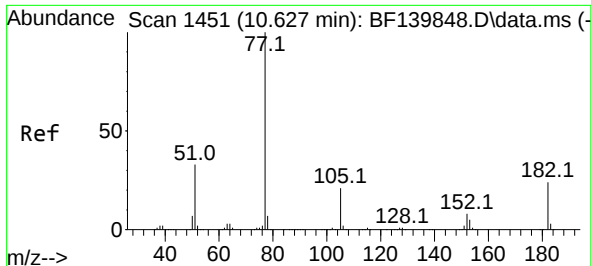
Tgt Ion:165 Resp: 30255
Ion Ratio Lower Upper
165 100
63 1.2 50.6 75.8#
89 0.9 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.877 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

Tgt Ion:165 Resp: 30255
Ion Ratio Lower Upper
165 100
63 1.2 40.1 60.1#
89 0.9 60.4 90.6#
182 0.0 2.0 3.0#

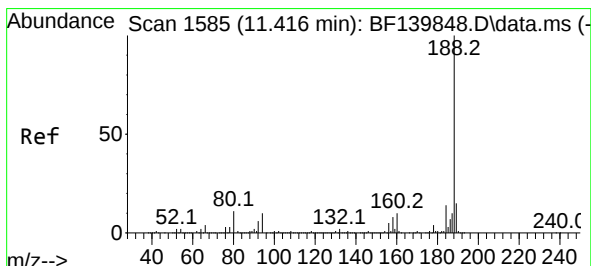
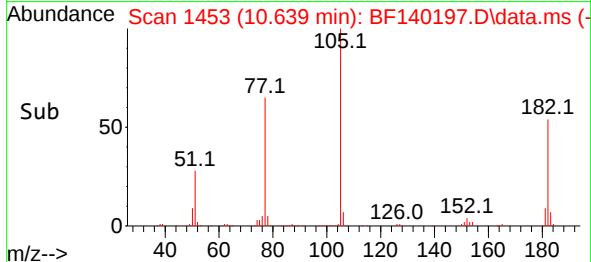
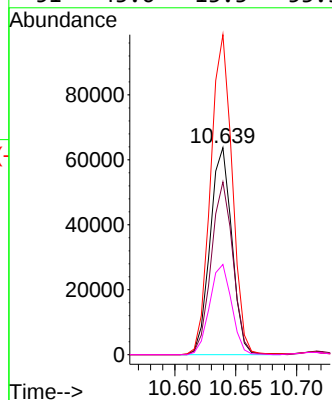
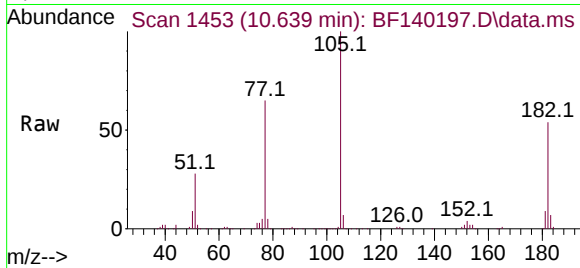




#63
Azobenzene
Concen: 5.290 ng
RT: 10.639 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

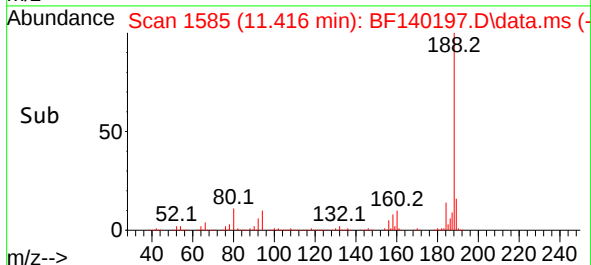
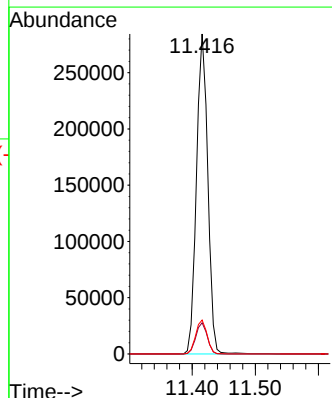
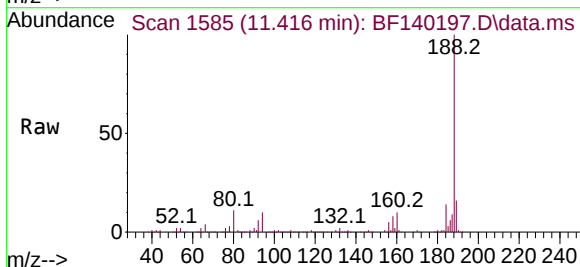
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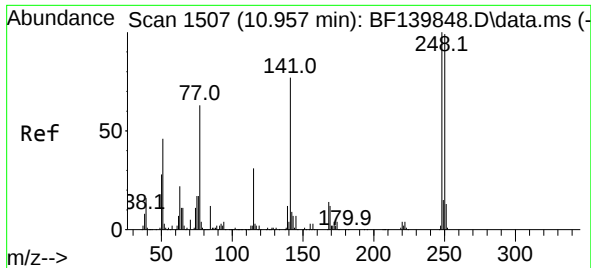
Tgt Ion: 77 Resp: 79427
Ion Ratio Lower Upper
77 100
182 83.4 3.3 43.3#
105 154.5 1.2 41.2#
51 43.6 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

Tgt Ion:188 Resp: 353001
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.6 9.0 13.4

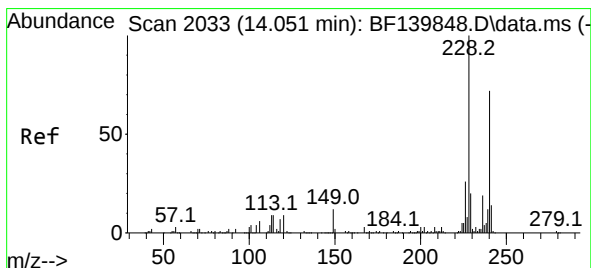
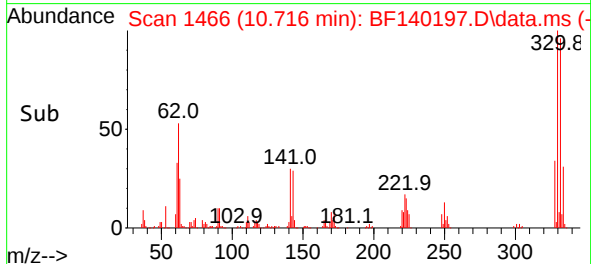
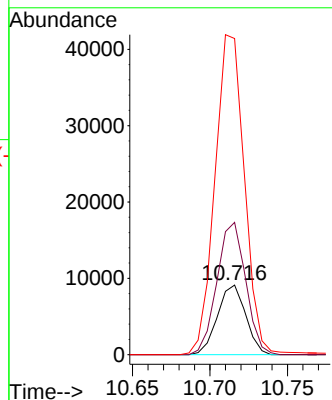
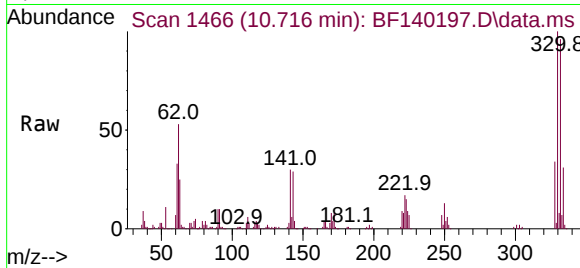




#67
4-Bromophenyl-phenylether
Concen: 3.176 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

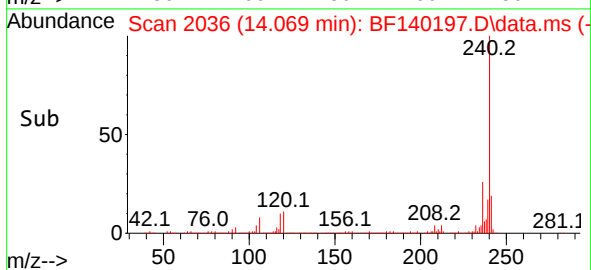
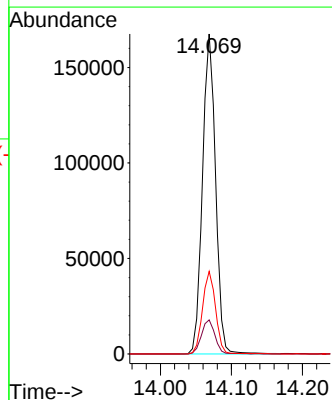
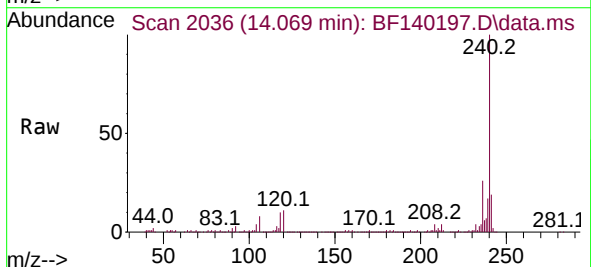
Instrument :
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TP-9

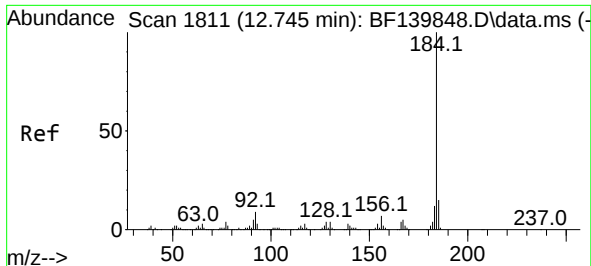
Tgt Ion:248 Resp: 11549
Ion Ratio Lower Upper
248 100
250 190.2 79.0 118.6#
141 454.7 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2036
Delta R.T. 0.018 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

Tgt Ion:240 Resp: 215062
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 25.8 20.9 31.3

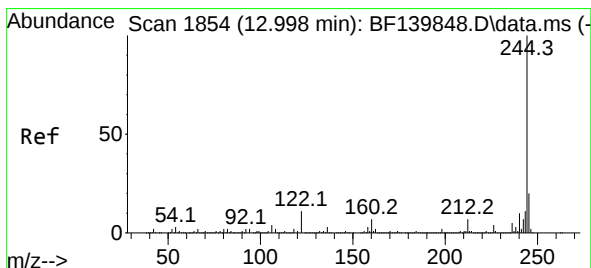
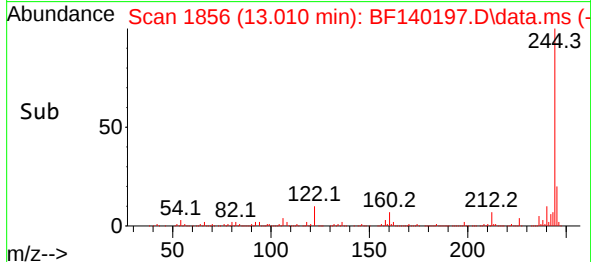
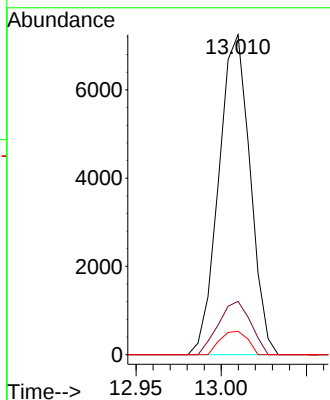
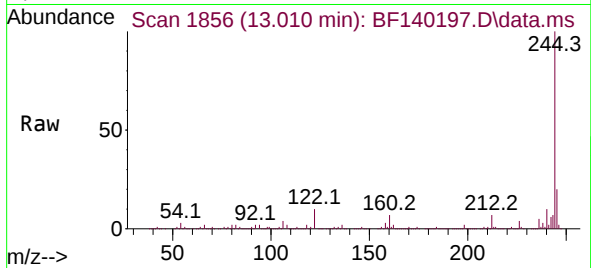




#77
Benzidine
Concen: 2.632 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.265 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

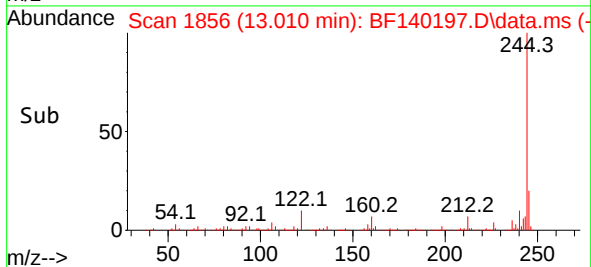
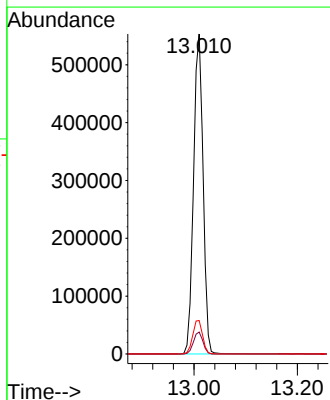
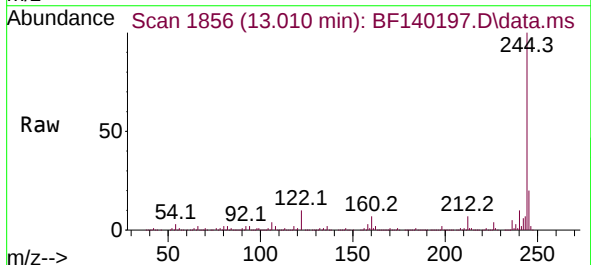
Instrument :
BNA_F
ClientSampleId :
TP-9

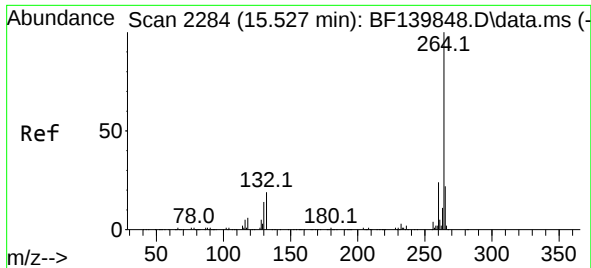
Tgt Ion:184 Resp: 9308
Ion Ratio Lower Upper
184 100
185 16.6 12.0 18.0
183 7.3 9.4 14.2#



#79
Terphenyl-d14
Concen: 53.545 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.012 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

Tgt Ion:244 Resp: 706701
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 10.4 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF140197.D
Acq: 31 Oct 2024 18:47

Instrument :
BNA_F
ClientSampleId :
TP-9

Tgt Ion:264 Resp: 166333

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.5	17.4	26.0

