

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135647.D
 Acq On : 09 Oct 2023 12:29
 Operator : CG\JU
 Sample : 04778-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Quant Time: Oct 09 12:56:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

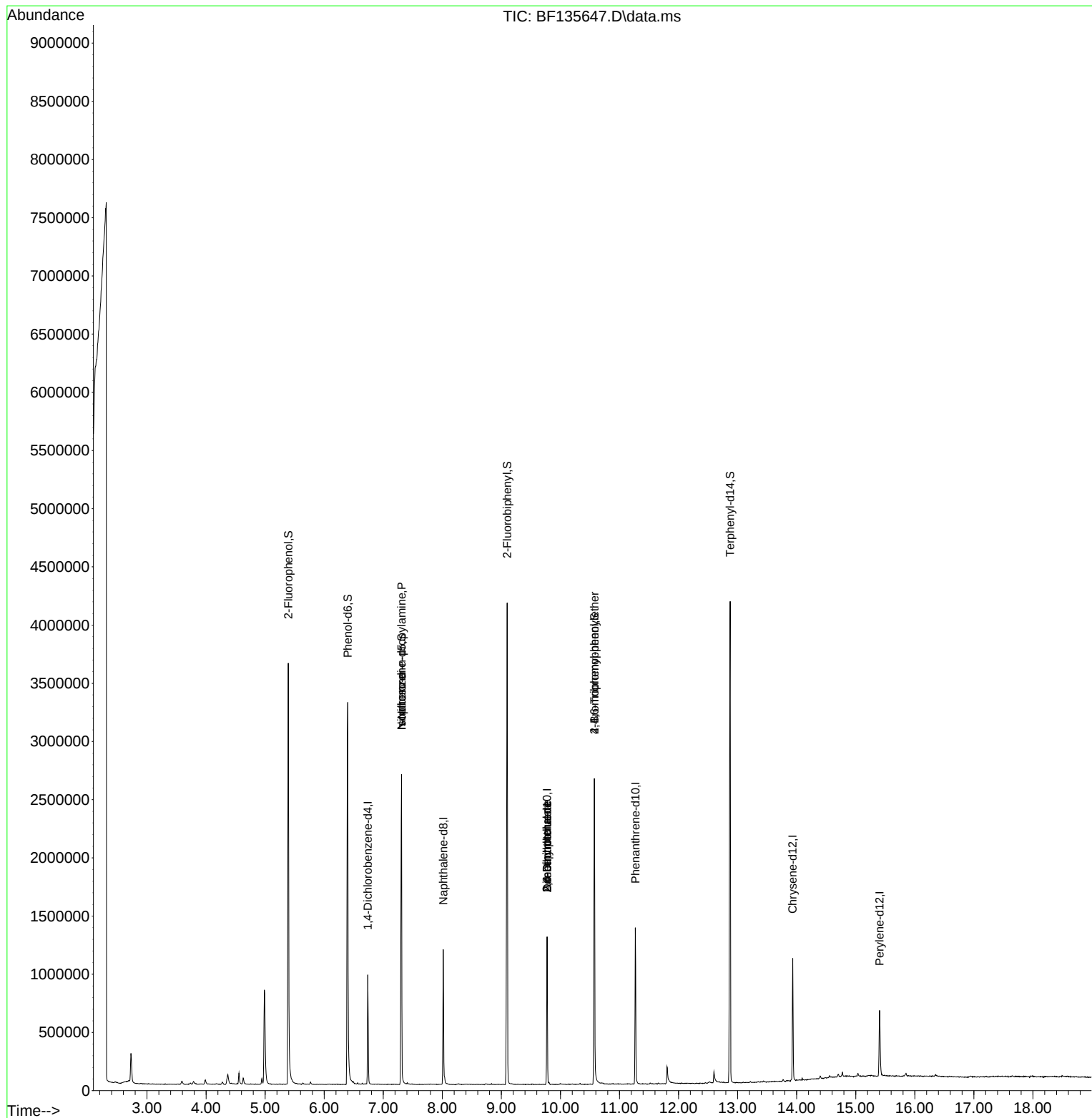
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	132656	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	499912	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	249859	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	496579	20.000	ng	# 0.00
76) Chrysene-d12	13.933	240	345456	20.000	ng	0.00
86) Perylene-d12	15.404	264	280610	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1058003	129.718	ng	0.02
7) Phenol-d6	6.398	99	1244508	119.998	ng	0.01
23) Nitrobenzene-d5	7.310	82	887326	96.433	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	357163	143.844	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1500005	90.575	ng	0.00
79) Terphenyl-d14	12.874	244	1702143	76.382	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.310	70	118959	18.518	ng	# 79
25) Isophorone	7.310	82	887316	52.515	ng	# 65
50) Dimethylphthalate	9.775	163	47489	2.811	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	31715	8.570	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	31715	6.846	ng	# 18
67) 4-Bromophenyl-phenylether	10.575	248	21397	4.332	ng	# 1

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

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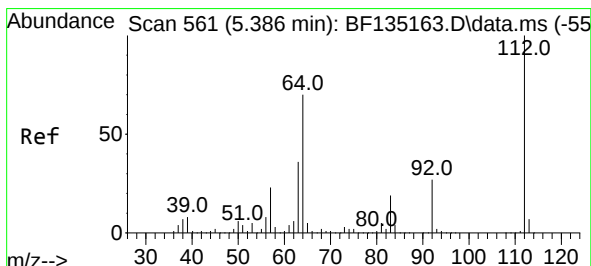
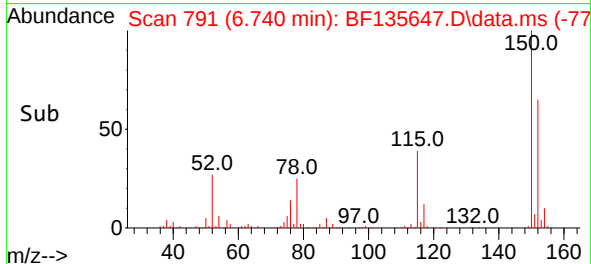
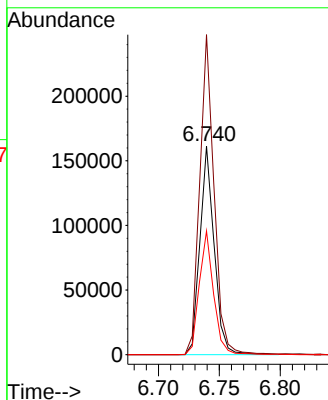
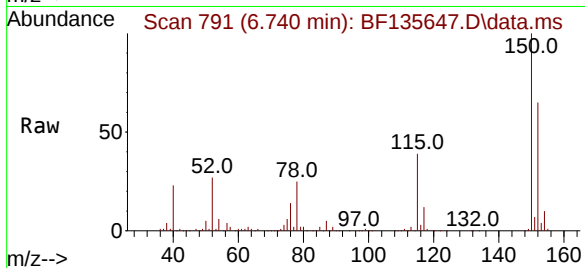




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

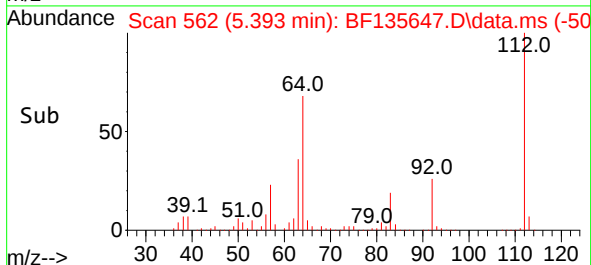
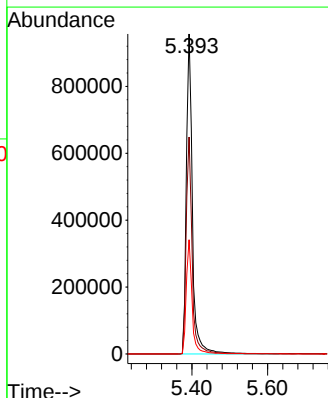
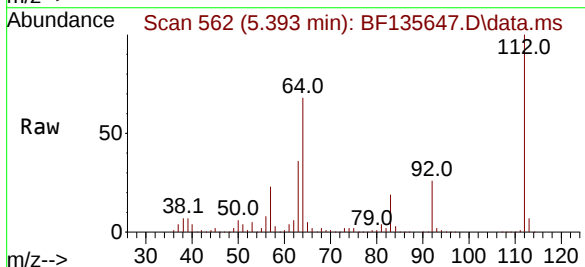
Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion:152 Resp: 132656
Ion Ratio Lower Upper
152 100
150 153.4 127.8 191.6
115 59.3 49.8 74.8



#5
2-Fluorophenol
Concen: 129.718 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.024 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

Tgt Ion:112 Resp: 1058003
Ion Ratio Lower Upper
112 100
64 67.8 55.9 83.9
63 35.7 29.0 43.6

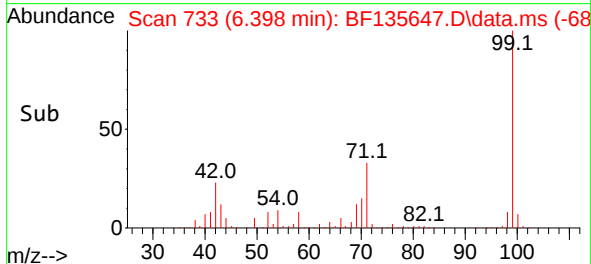
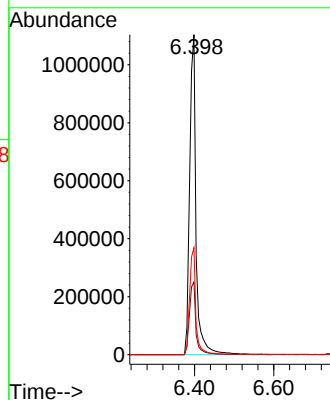
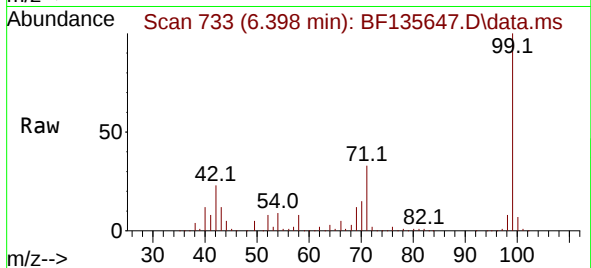




#7
Phenol-d6
Concen: 119.998 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

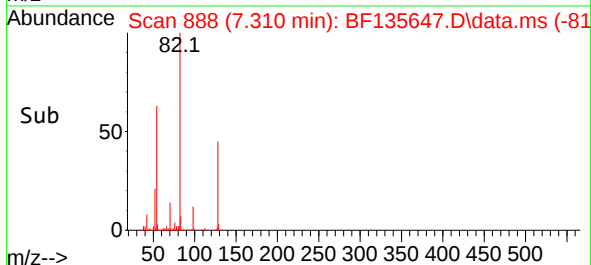
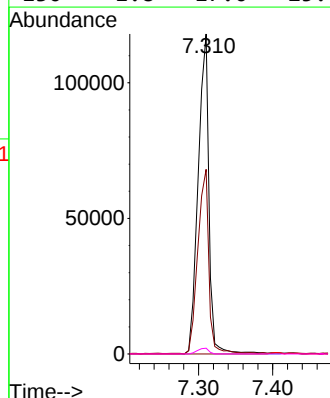
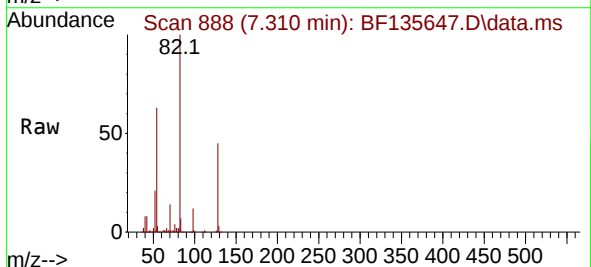
Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion: 99 Resp: 1244508
Ion Ratio Lower Upper
99 100
42 22.7 17.9 26.9
71 33.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 18.518 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.153 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

Tgt Ion: 70 Resp: 118959
Ion Ratio Lower Upper
70 100
42 57.7 55.4 83.0
101 0.0 7.7 11.5#
130 1.8 17.0 25.6#

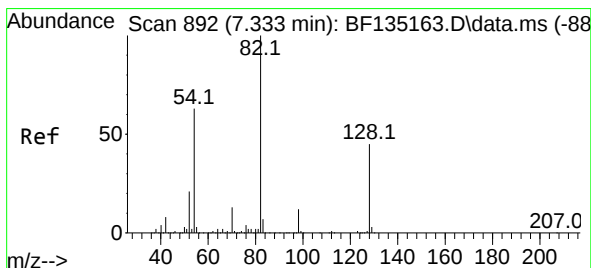
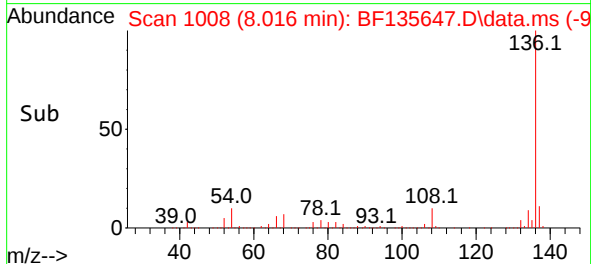
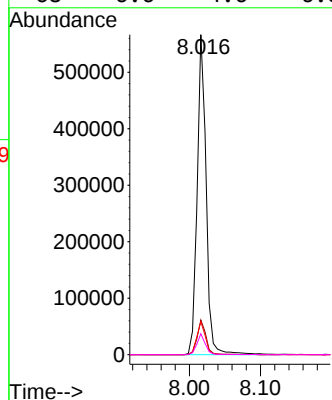
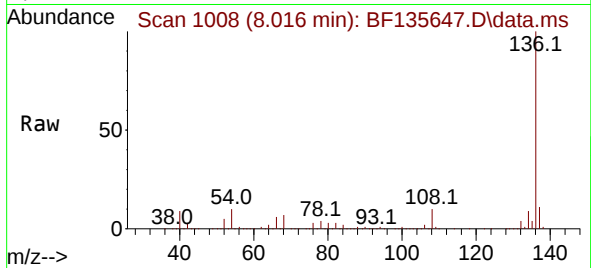




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

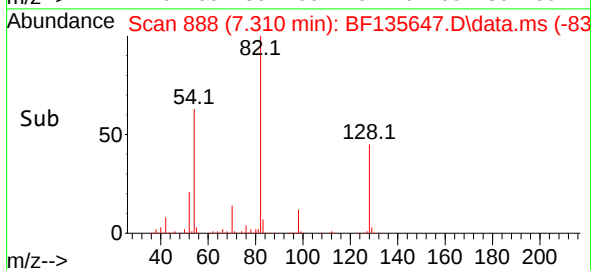
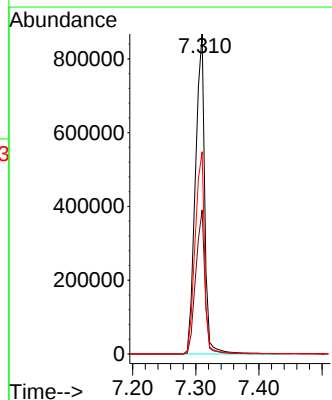
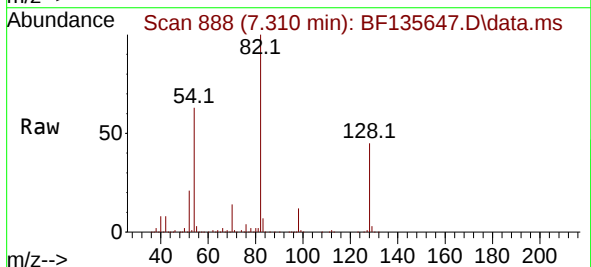
Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt	Ion:136	Resp:	499912
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.3	7.7	11.5
68	6.6	4.6	6.8



#23
Nitrobenzene-d5
Concen: 96.433 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

Tgt Ion: 82	Resp: 887326
Ion Ratio	Lower Upper
82 100	
128 45.0	35.8 53.6
54 63.2	50.6 76.0

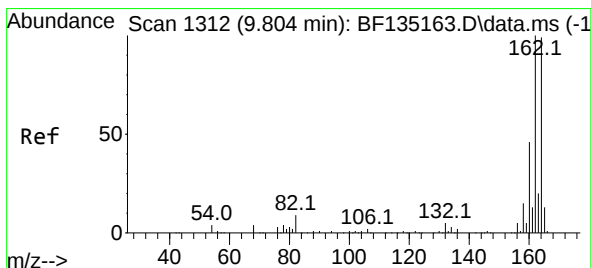
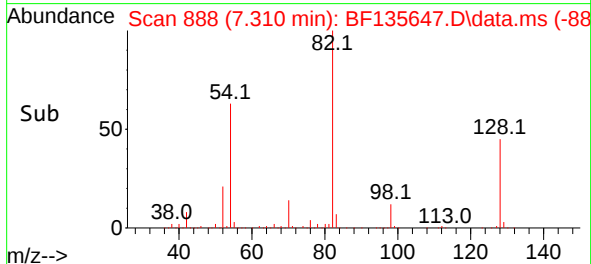
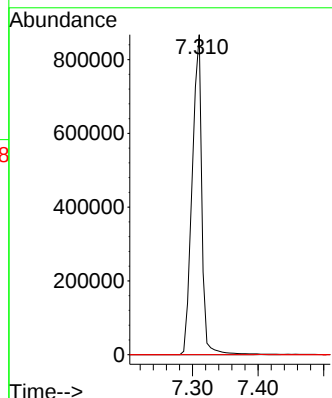
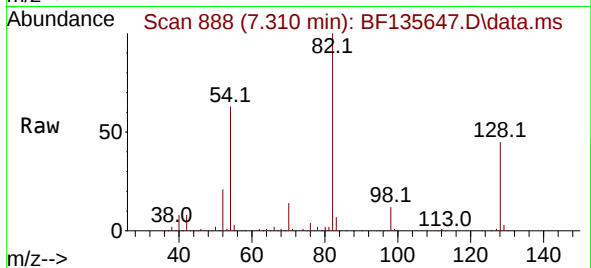




#25
Isophorone
Concen: 52.515 ng
RT: 7.310 min Scan# 88
Delta R.T. -0.253 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

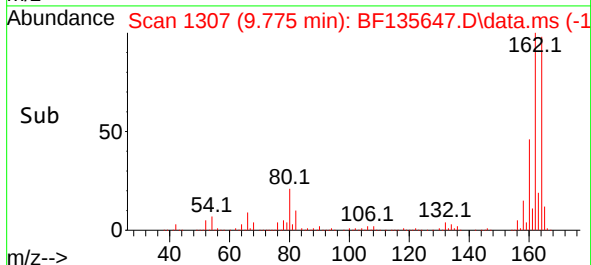
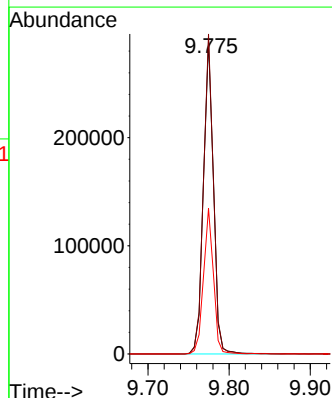
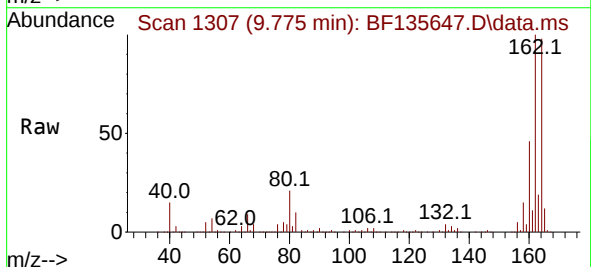
Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion: 82 Resp: 887316
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

Tgt Ion:164 Resp: 249859
Ion Ratio Lower Upper
164 100
162 102.3 81.0 121.4
160 46.5 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 143.844 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.006 min

Lab File: BF135647.D

Acq: 09 Oct 2023 12:29

Instrument :

BNA_F

ClientSampleId :

SOIL-1

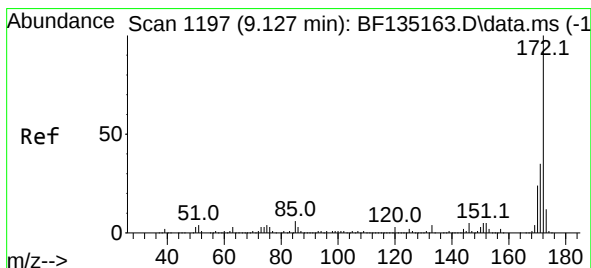
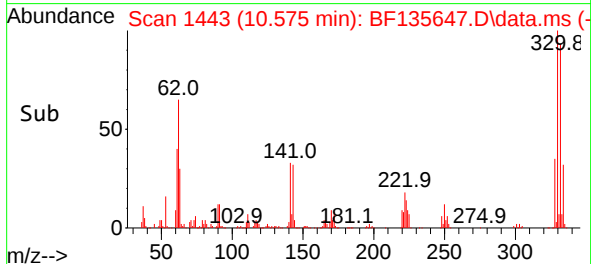
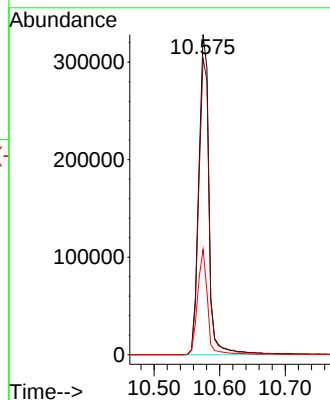
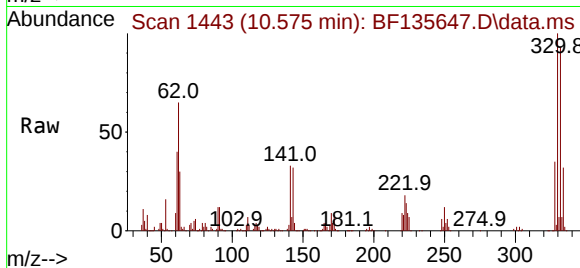
Tgt Ion:330 Resp: 357163

Ion Ratio Lower Upper

330 100

332 94.6 77.3 115.9

141 31.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 90.575 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF135647.D

Acq: 09 Oct 2023 12:29

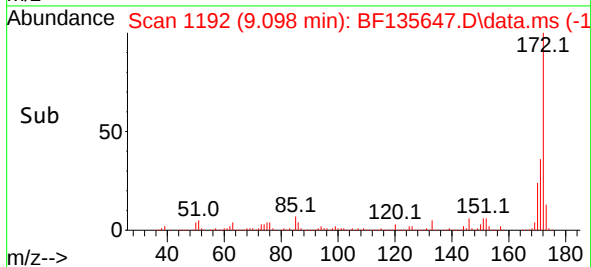
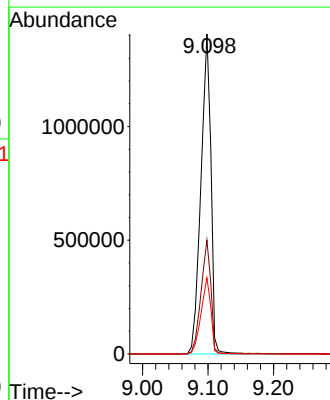
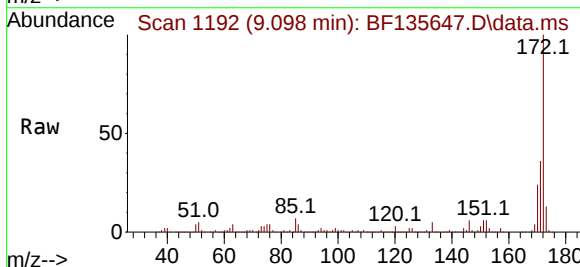
Tgt Ion:172 Resp: 1500005

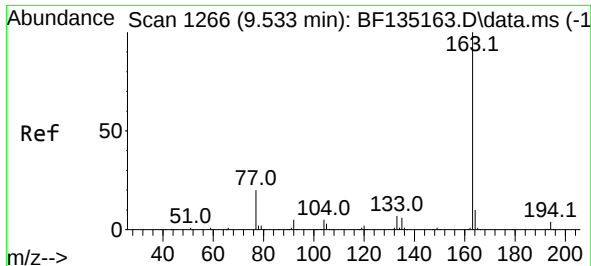
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.8 19.0 28.4

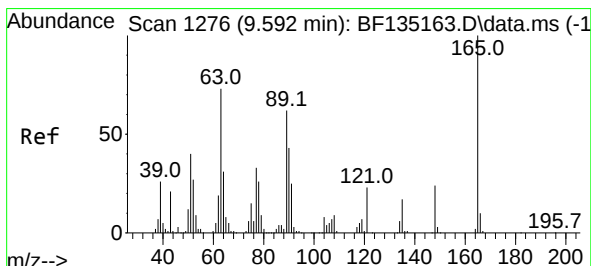
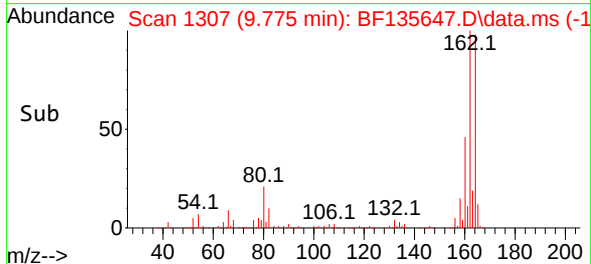
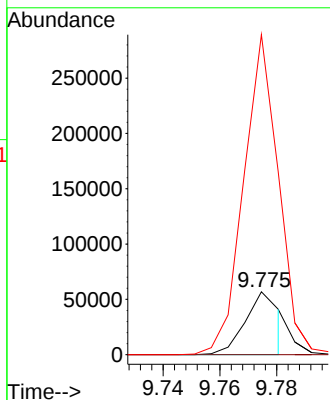
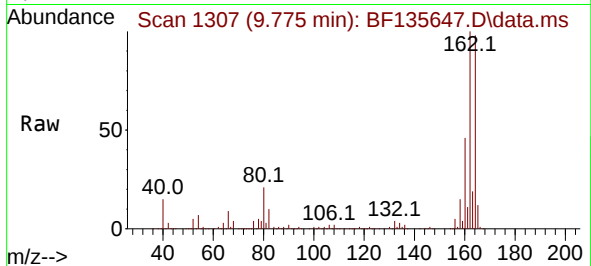




#50
Dimethylphthalate
Concen: 2.811 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

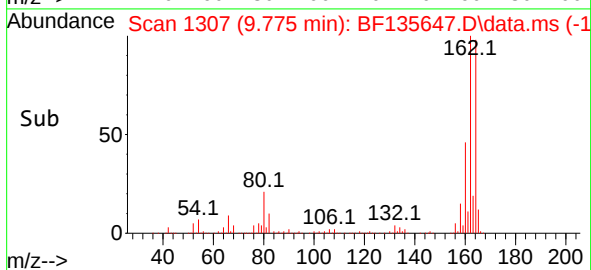
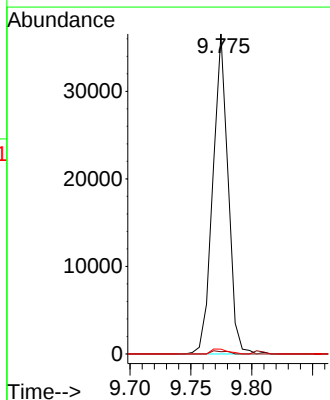
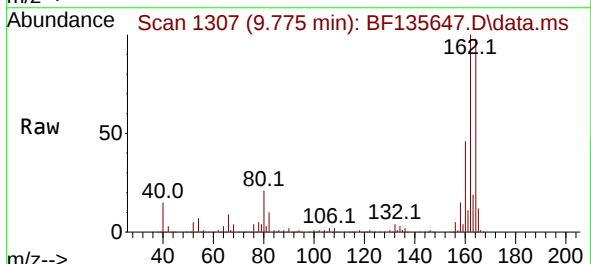
Instrument :
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ClientSampleId :
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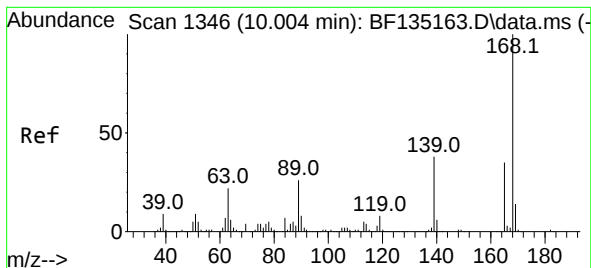
Tgt Ion:163 Resp: 47489
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 509.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.570 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

Tgt Ion:165 Resp: 31715
Ion Ratio Lower Upper
165 100
63 0.7 59.4 89.2#
89 1.5 49.8 74.8#

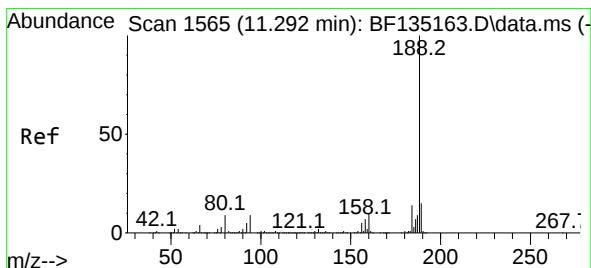
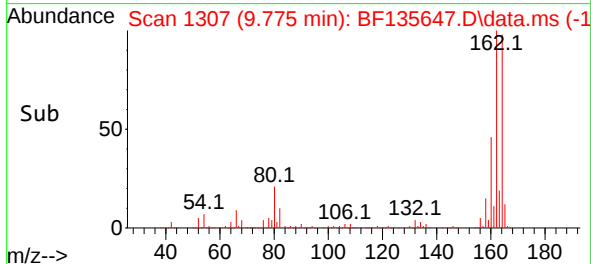
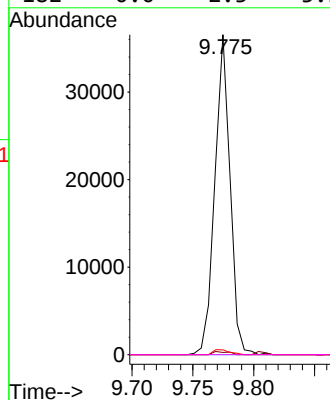
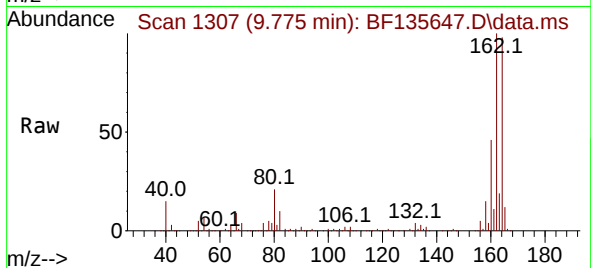




#57
2,4-Dinitrotoluene
Concen: 6.846 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

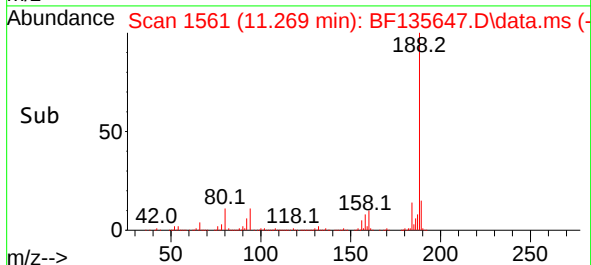
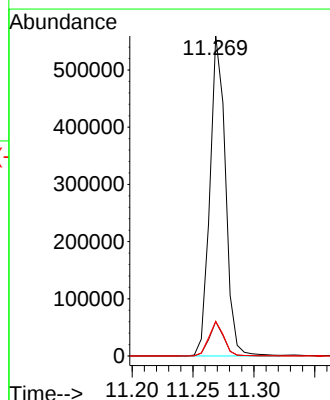
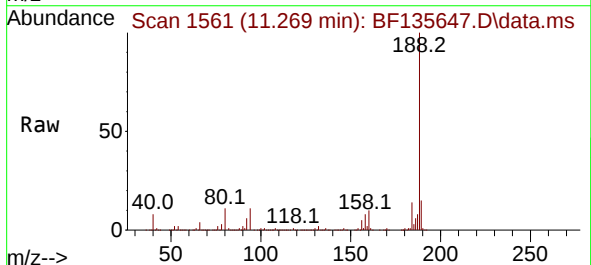
Instrument :
BNA_F
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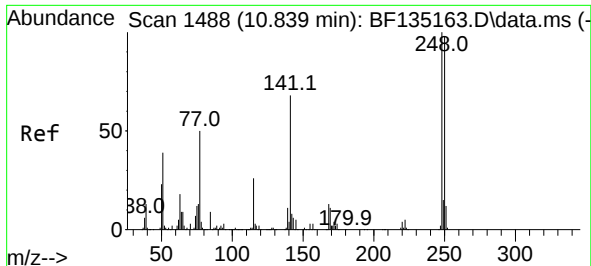
Tgt Ion:165 Resp: 31715
Ion Ratio Lower Upper
165 100
63 0.7 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

Tgt Ion:188 Resp: 496579
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6#
80 10.9 7.5 11.3

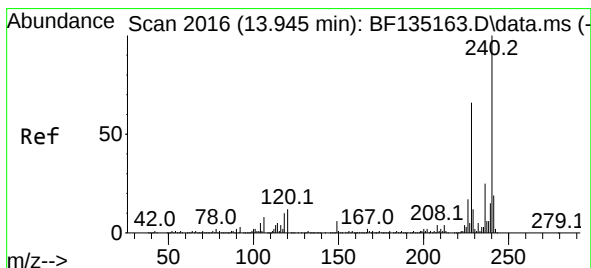
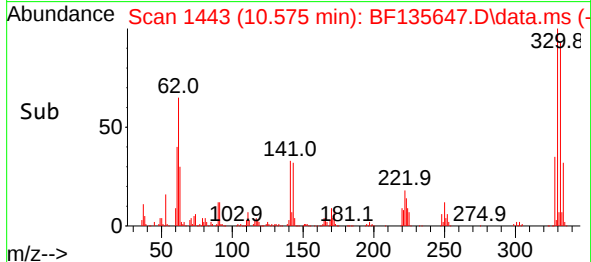
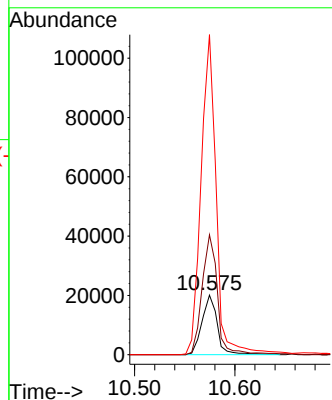
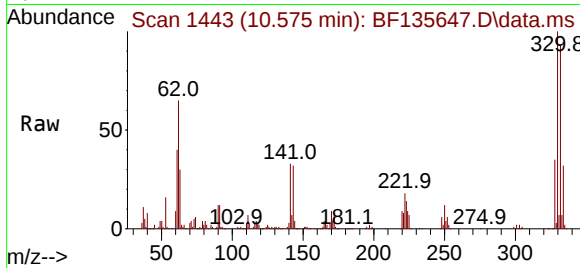




#67
4-Bromophenyl-phenylether
Concen: 4.332 ng
RT: 10.575 min Scan# 1488
Delta R.T. -0.235 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

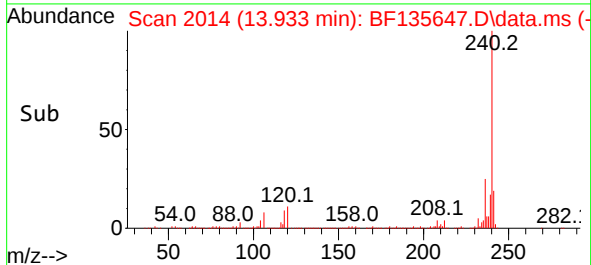
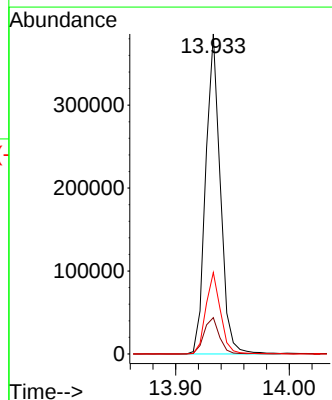
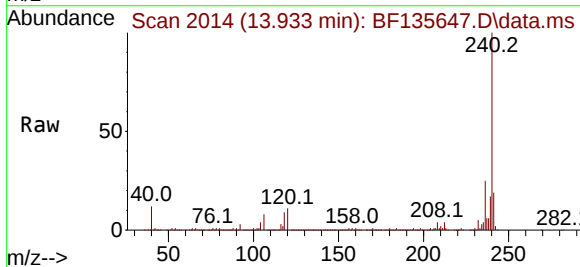
Instrument :
BNA_F
ClientSampleId :
SOIL-1

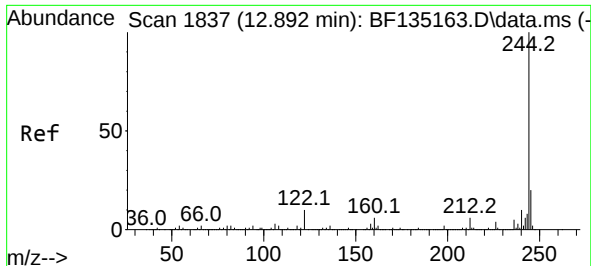
Tgt Ion:248 Resp: 21397
Ion Ratio Lower Upper
248 100
250 201.3 78.6 117.8#
141 537.2 54.2 81.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

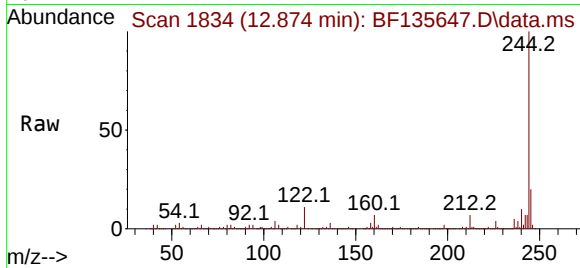
Tgt Ion:240 Resp: 345456
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 25.4 19.8 29.8



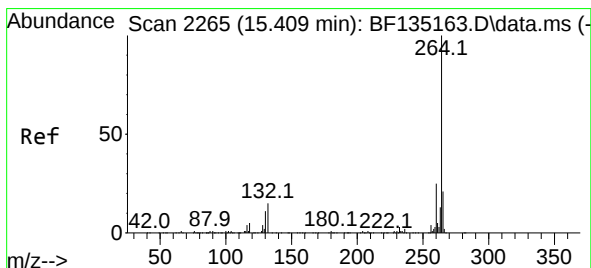
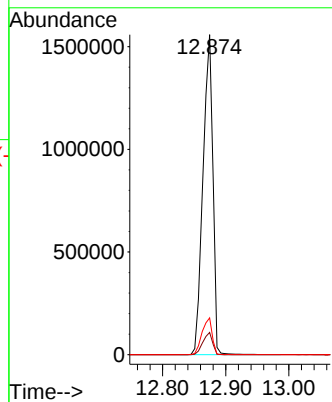
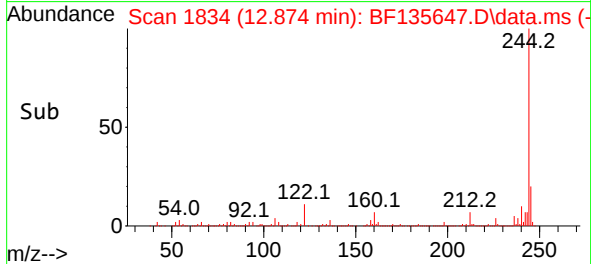


#79
 Terphenyl-d14
 Concen: 76.382 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. 0.012 min
 Lab File: BF135647.D
 Acq: 09 Oct 2023 12:29

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1



Tgt Ion:244 Resp: 1702143
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.1 7.7
 122 11.5 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2264
 Delta R.T. 0.018 min
 Lab File: BF135647.D
 Acq: 09 Oct 2023 12:29

Tgt Ion:264 Resp: 280610
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.8 29.6
 265 21.3 17.0 25.4

