

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134090.D
 Acq On : 06 Jul 2023 04:30
 Operator : CG\JU
 Sample : 03473-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-017

Quant Time: Jul 06 04:51:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

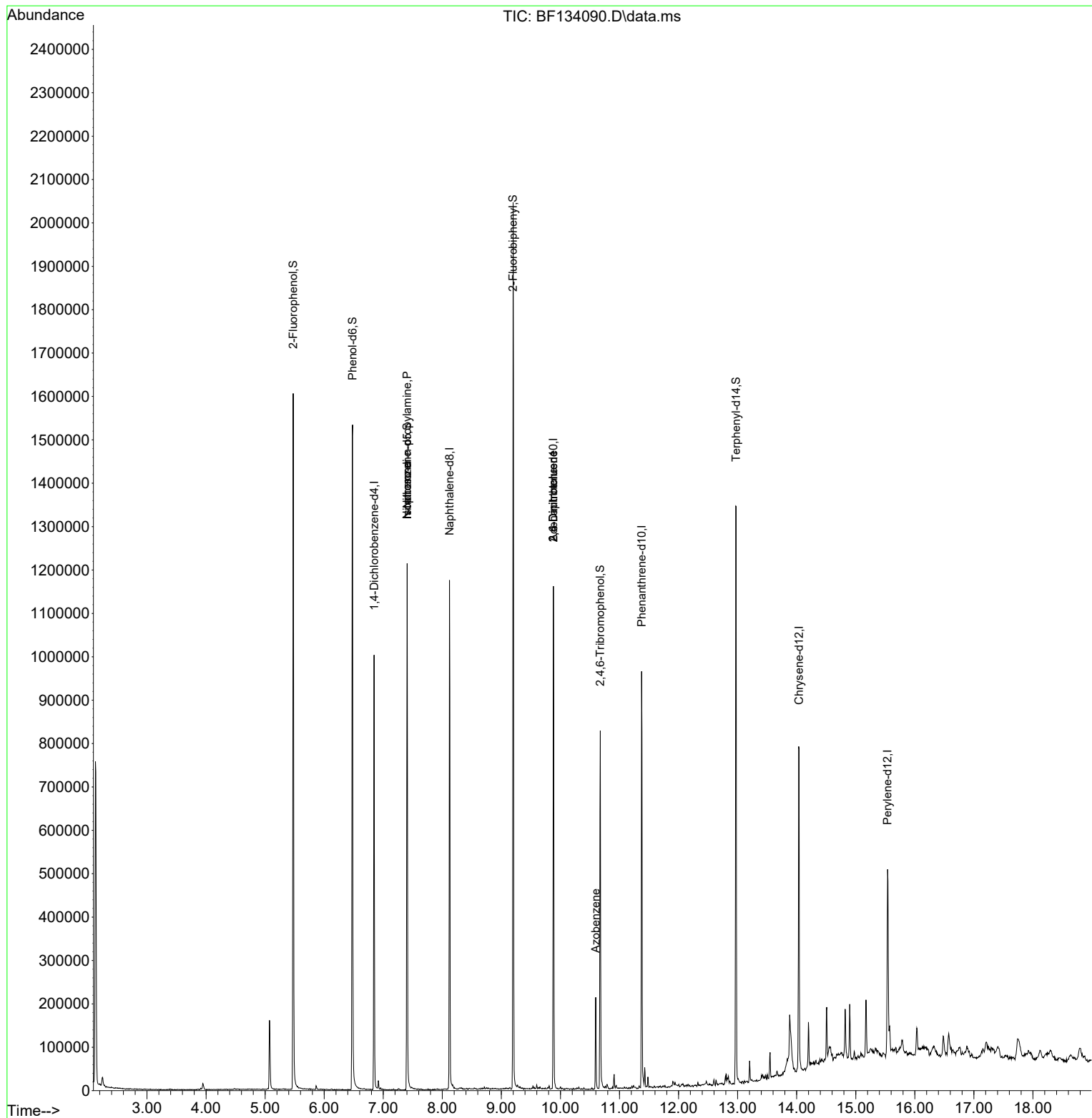
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	133888	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	496369	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	222498	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	363975	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	269406	20.000	ng	-0.01
86) Perylene-d12	15.539	264	222803	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	396125	49.491	ng	-0.01
7) Phenol-d6	6.481	99	502208	51.020	ng	-0.01
23) Nitrobenzene-d5	7.404	82	334523	36.329	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	96972	34.761	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	594662	38.858	ng	-0.01
79) Terphenyl-d14	12.974	244	490027	29.274	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.416	77	67	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	46534	7.455 ng	#	77
25) Isophorone	7.404	82	334519	19.989 ng	#	64
51) 2,6-Dinitrotoluene	9.880	165	27967	8.040 ng	#	23
57) 2,4-Dinitrotoluene	9.880	165	27967	6.088 ng	#	22
63) Azobenzene	10.598	77	35158	2.209 ng	#	1

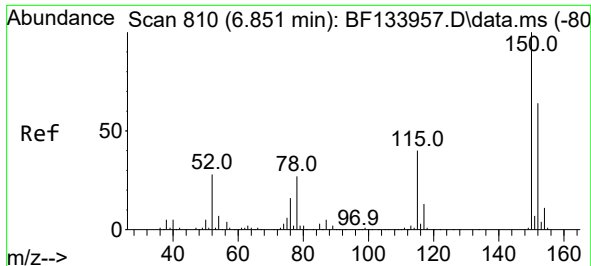
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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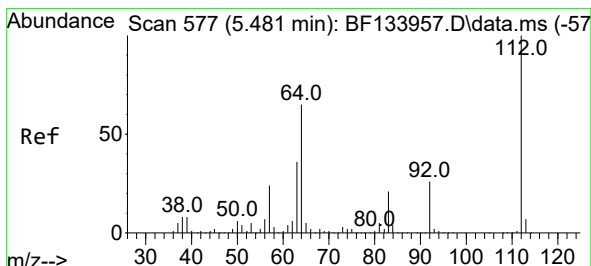
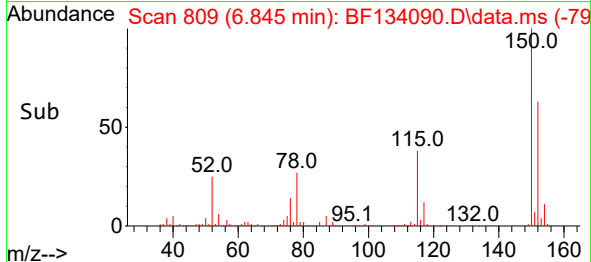
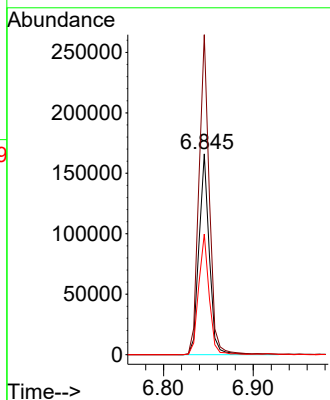
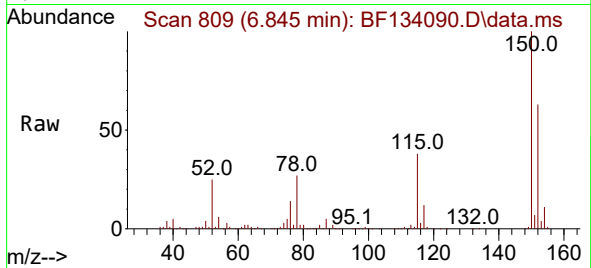




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

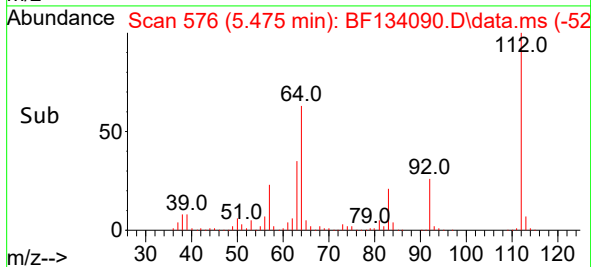
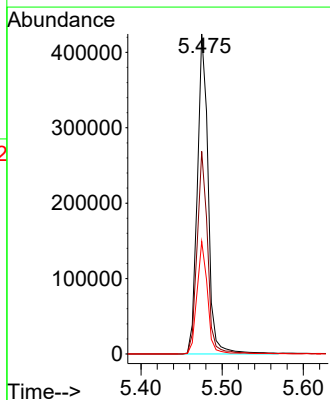
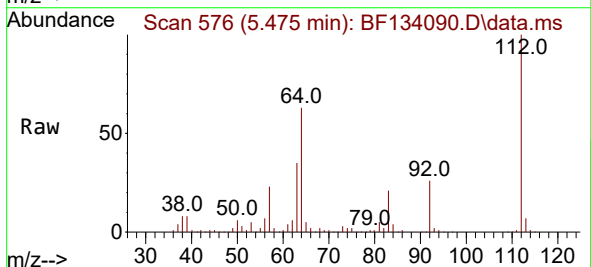
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-017

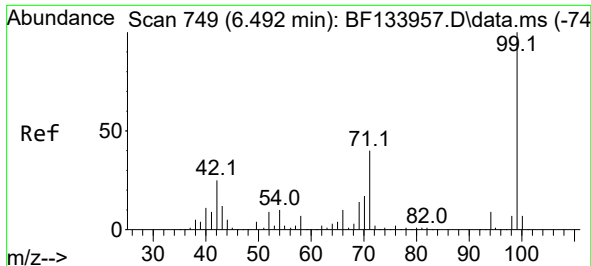
Tgt Ion:152 Resp: 133888
Ion Ratio Lower Upper
152 100
150 159.3 124.5 186.7
115 60.1 50.2 75.2



#5
2-Fluorophenol
Concen: 49.491 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

Tgt Ion:112 Resp: 396125
Ion Ratio Lower Upper
112 100
64 63.3 52.1 78.1
63 35.1 28.6 42.8

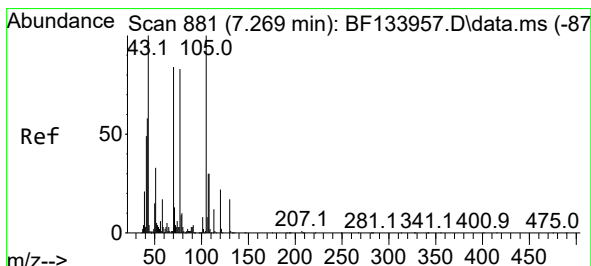
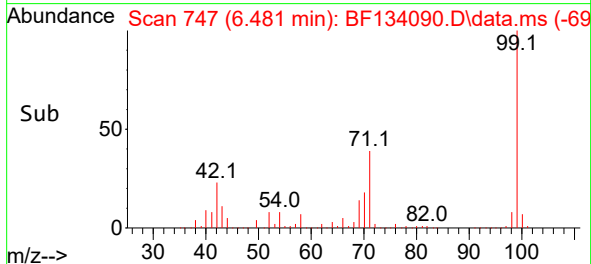
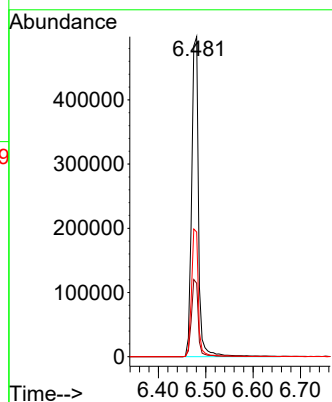
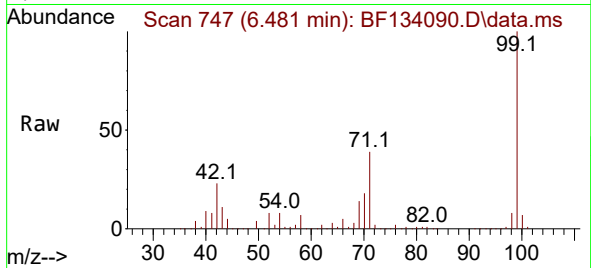




#7
Phenol-d6
Concen: 51.020 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

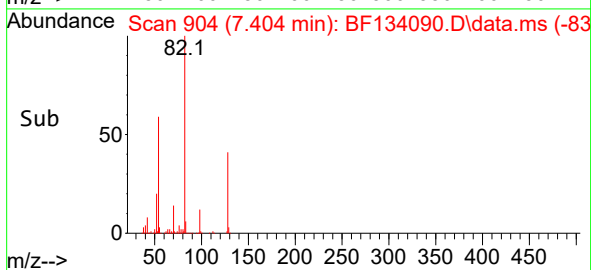
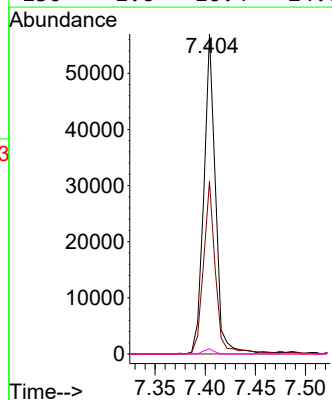
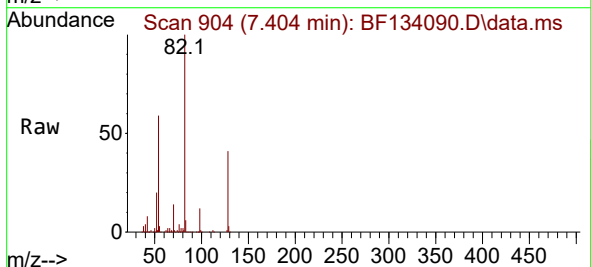
Instrument :
BNA_F
ClientSampleId :
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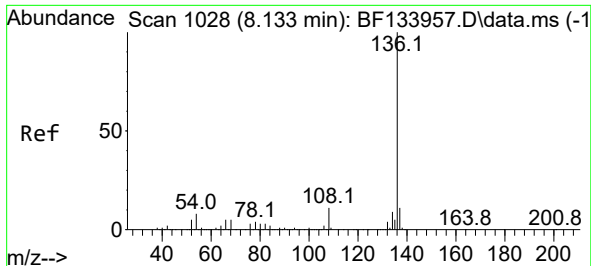
Tgt Ion: 99 Resp: 502208
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.6
71 39.0 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.455 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

Tgt Ion: 70 Resp: 46534
Ion Ratio Lower Upper
70 100
42 53.9 54.7 82.1#
101 0.0 7.7 11.5#
130 1.6 16.4 24.6#

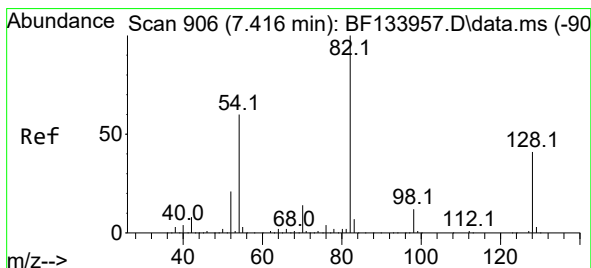
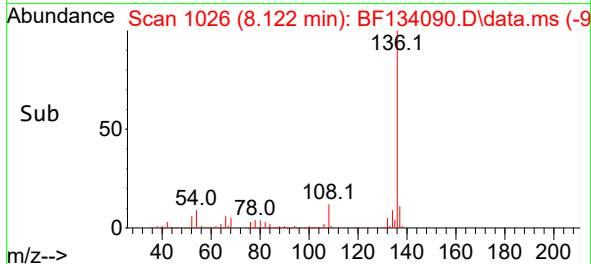
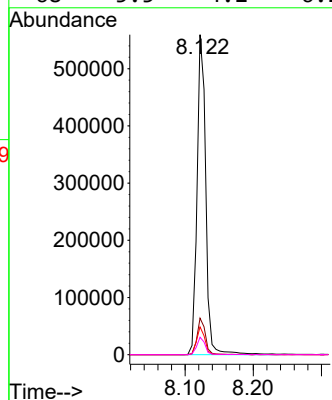
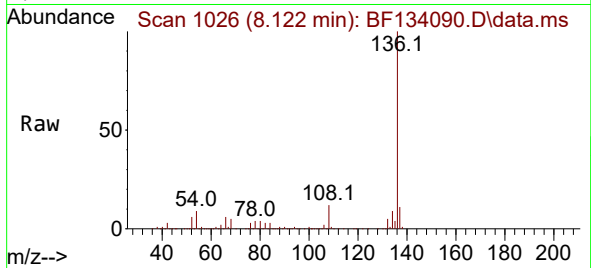




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

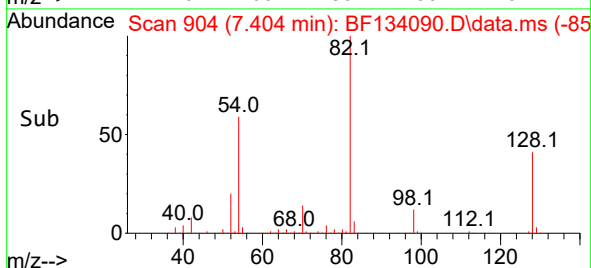
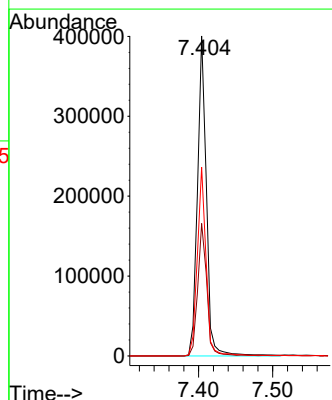
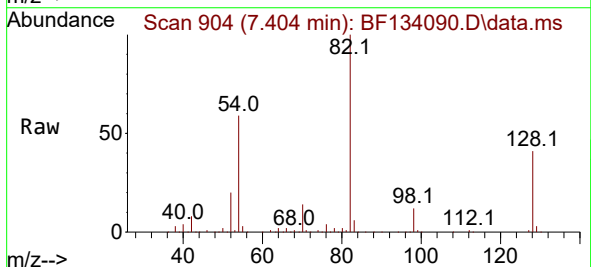
Instrument :
BNA_F
ClientSampleId :
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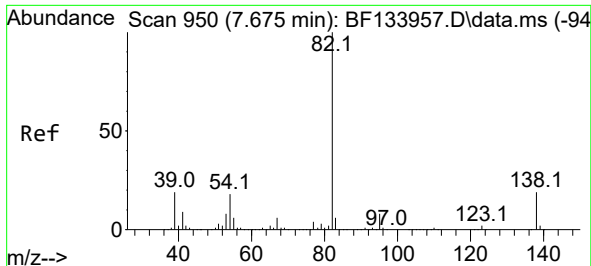
Tgt Ion:136 Resp: 496369
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 8.7 6.5 9.7
68 5.5 4.2 6.2



#23
Nitrobenzene-d5
Concen: 36.329 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

Tgt Ion: 82 Resp: 334523
Ion Ratio Lower Upper
82 100
128 41.4 32.5 48.7
54 59.0 48.2 72.2

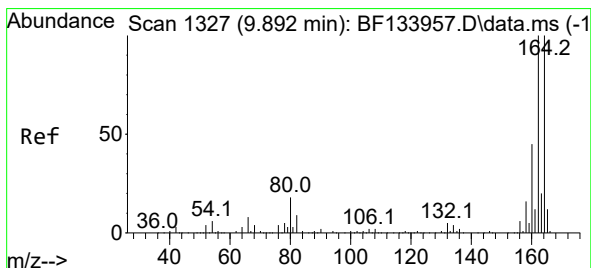
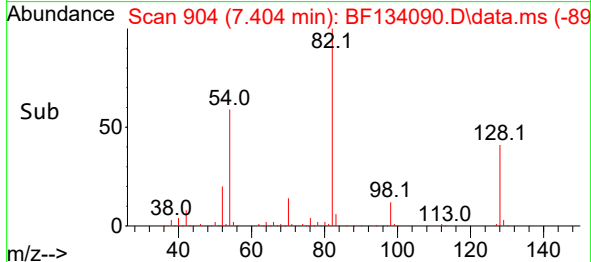
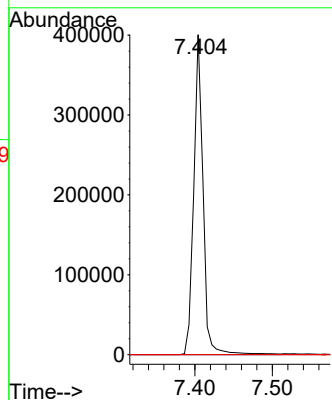
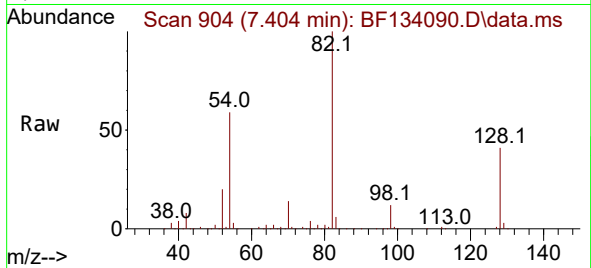




#25
Isophorone
Concen: 19.989 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

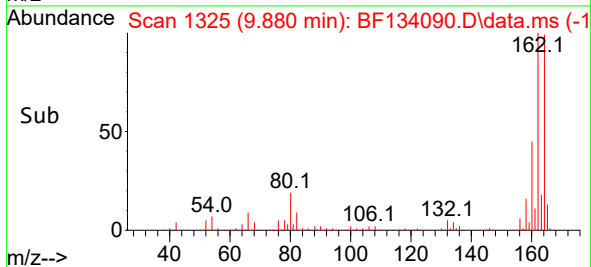
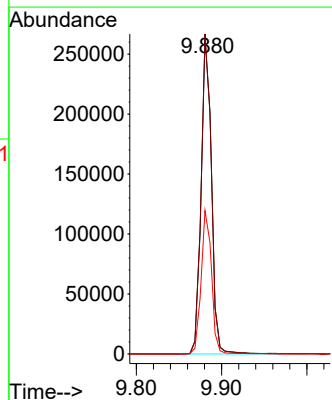
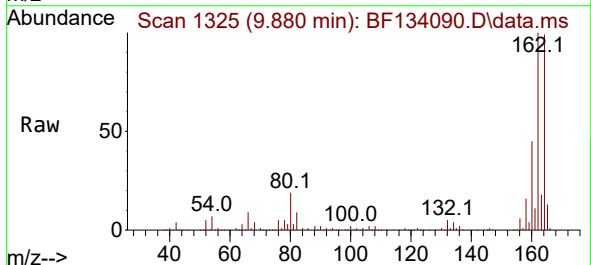
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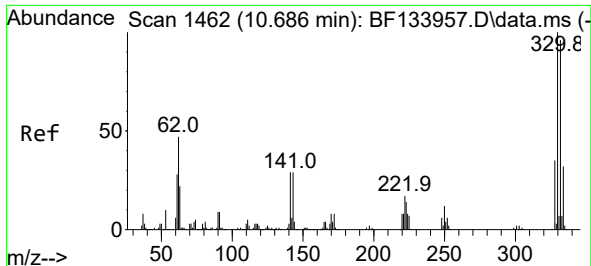
Tgt Ion: 82 Resp: 334519
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

Tgt Ion:164 Resp: 222498
Ion Ratio Lower Upper
164 100
162 101.2 80.0 120.0
160 45.3 35.9 53.9

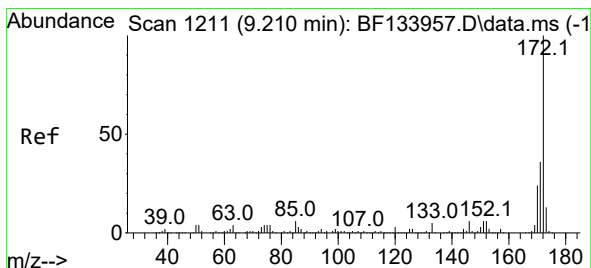
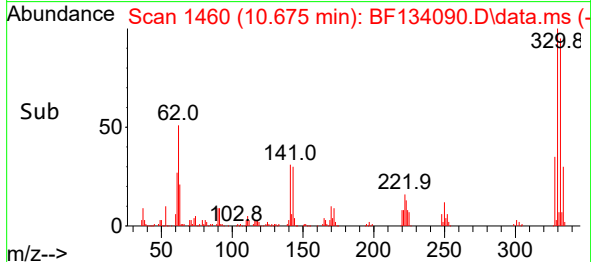
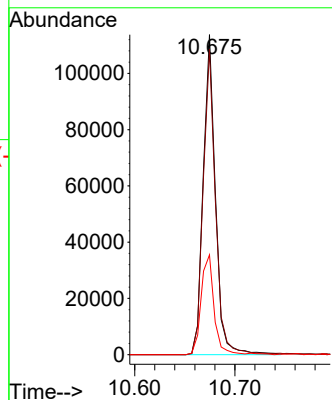
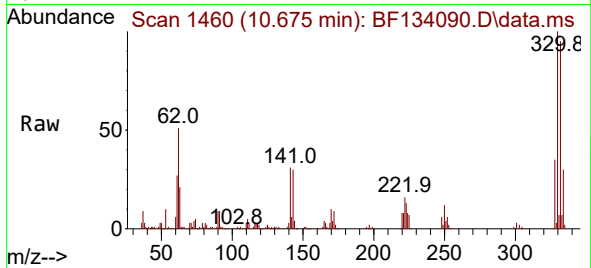




#42
2,4,6-Tribromophenol
Concen: 34.761 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

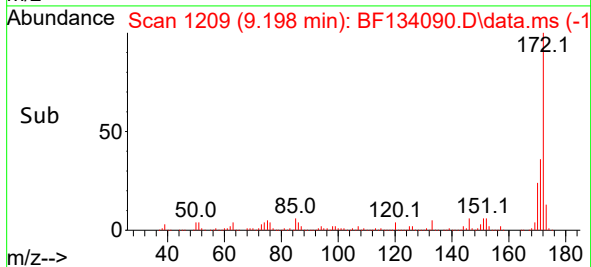
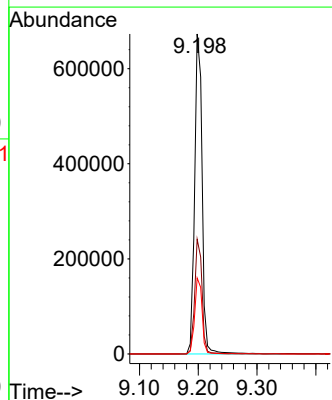
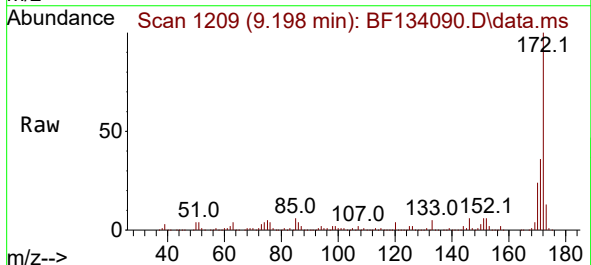
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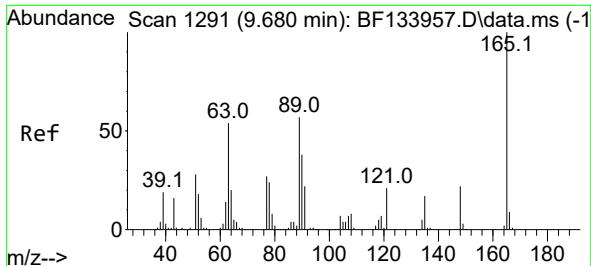
Tgt Ion:330 Resp: 96972
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 33.2 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 38.858 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

Tgt Ion:172 Resp: 594662
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.7 19.4 29.0

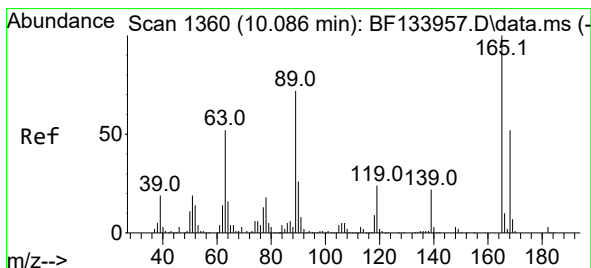
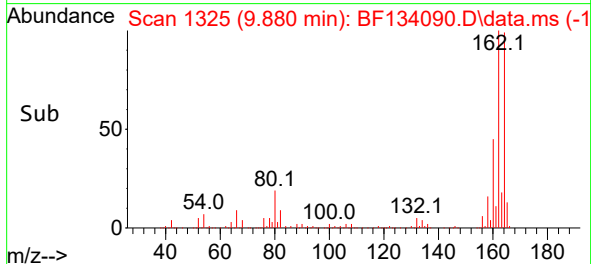
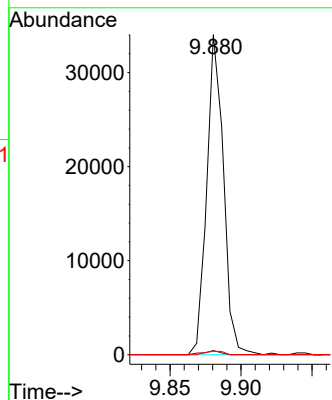
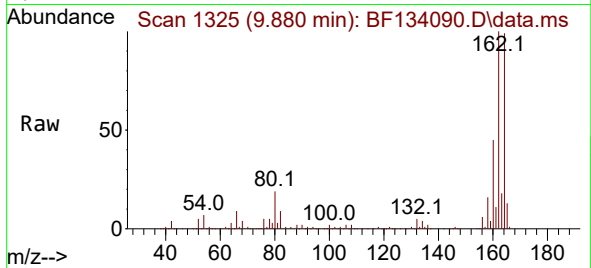




#51
2,6-Dinitrotoluene
Concen: 8.040 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

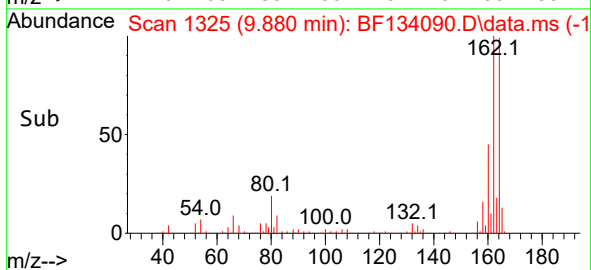
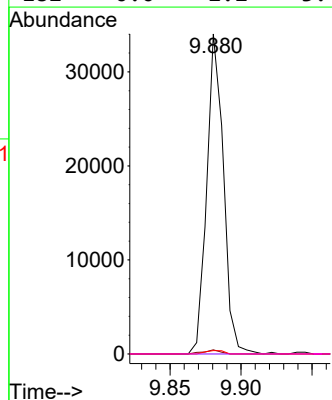
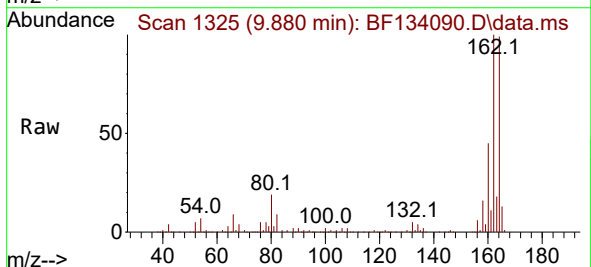
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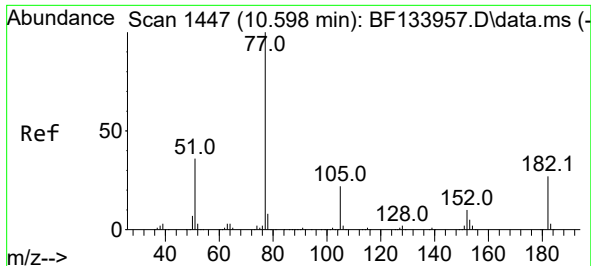
Tgt Ion:165 Resp: 27967
Ion Ratio Lower Upper
165 100
63 1.3 48.5 72.7#
89 1.0 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.088 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

Tgt Ion:165 Resp: 27967
Ion Ratio Lower Upper
165 100
63 1.3 42.2 63.2#
89 1.0 57.4 86.2#
182 0.0 2.2 3.4#

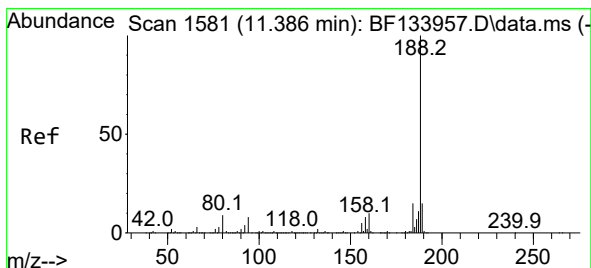
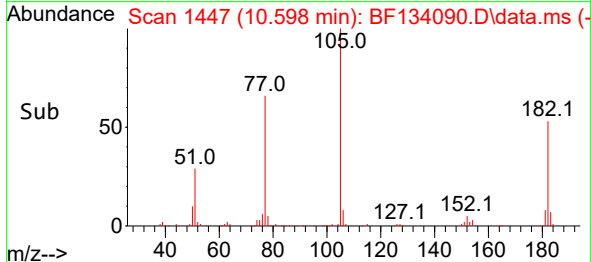
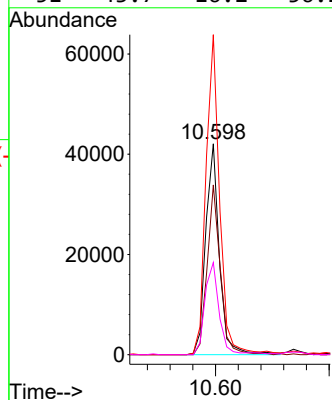
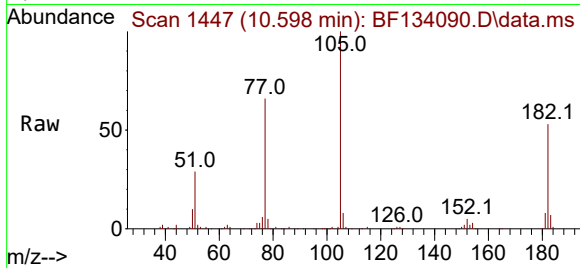




#63
Azobenzene
Concen: 2.209 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

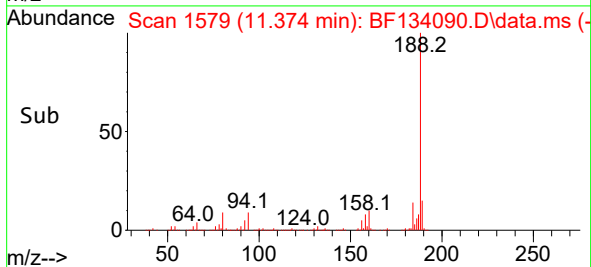
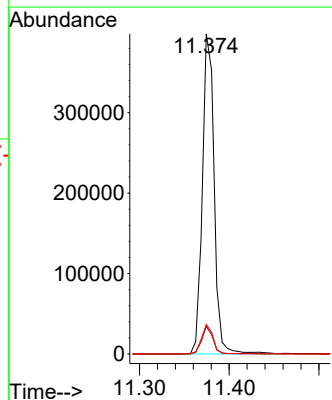
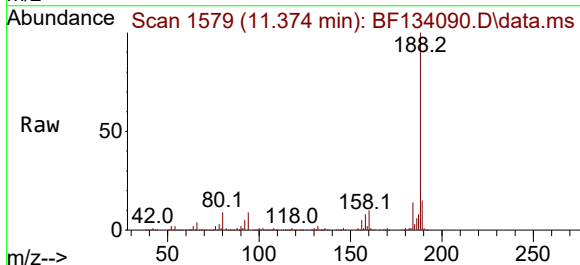
Instrument :
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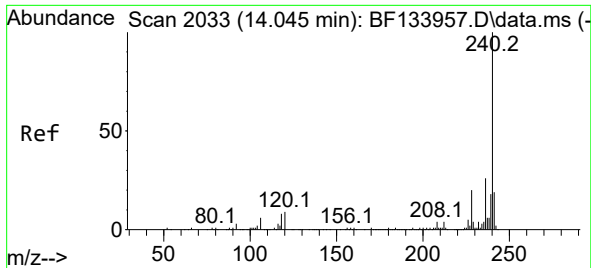
Tgt Ion: 77 Resp: 35158
Ion Ratio Lower Upper
77 100
182 80.5 6.8 46.8#
105 151.8 2.3 42.3#
51 43.7 16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

Tgt Ion:188 Resp: 363975
Ion Ratio Lower Upper
188 100
94 8.7 6.4 9.6
80 9.2 7.3 10.9

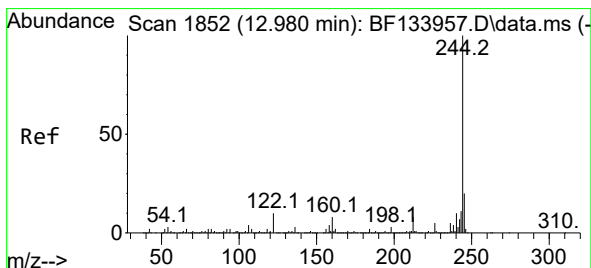
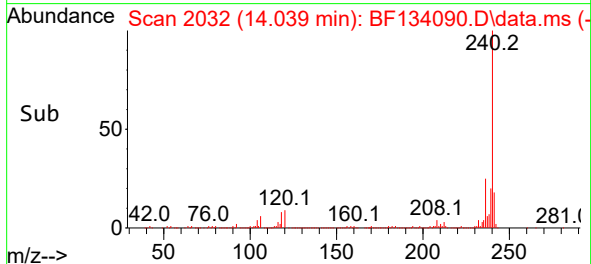
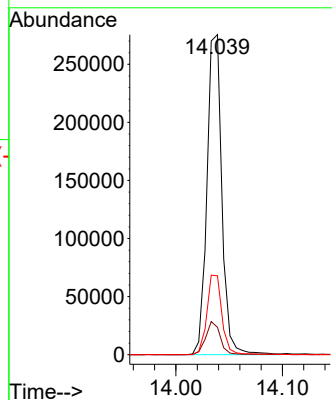
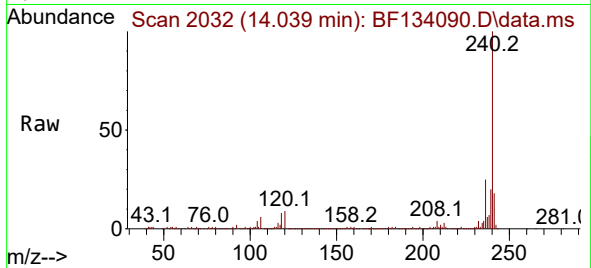




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

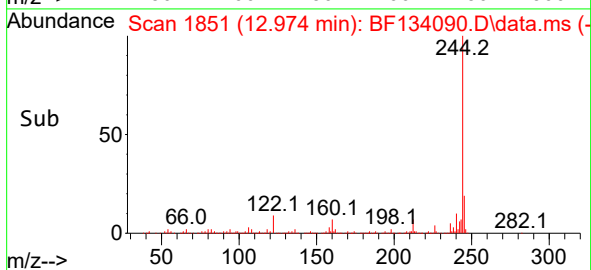
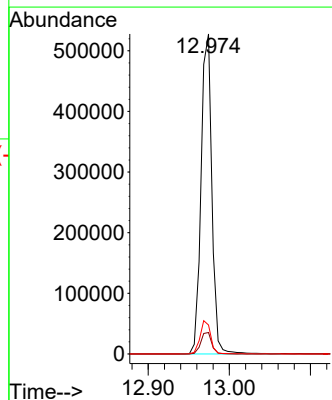
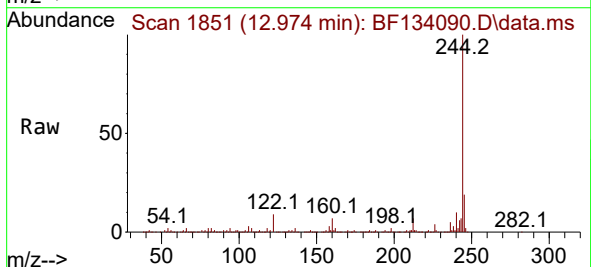
Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-017

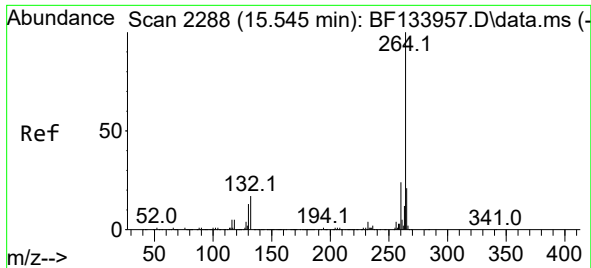
Tgt Ion:240 Resp: 269406
Ion Ratio Lower Upper
240 100
120 8.5 7.4 11.0
236 24.6 21.0 31.6



#79
Terphenyl-d14
Concen: 29.274 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF134090.D
Acq: 06 Jul 2023 04:30

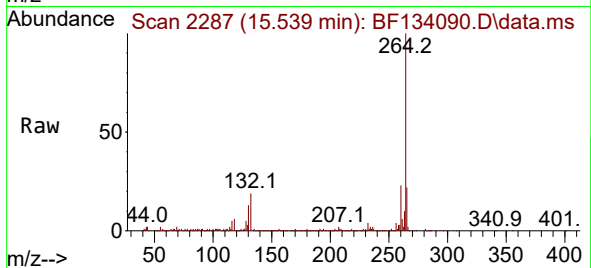
Tgt Ion:244 Resp: 490027
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 9.0 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF134090.D
 Acq: 06 Jul 2023 04:30

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-017



Tgt Ion:264 Resp: 222803
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 21.9 16.6 25.0

