

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101625\
 Data File : BF143978.D
 Acq On : 16 Oct 2025 14:42
 Operator : RC/JU
 Sample : Q3345-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TANK-FARM-SOIL

Quant Time: Oct 16 16:20:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

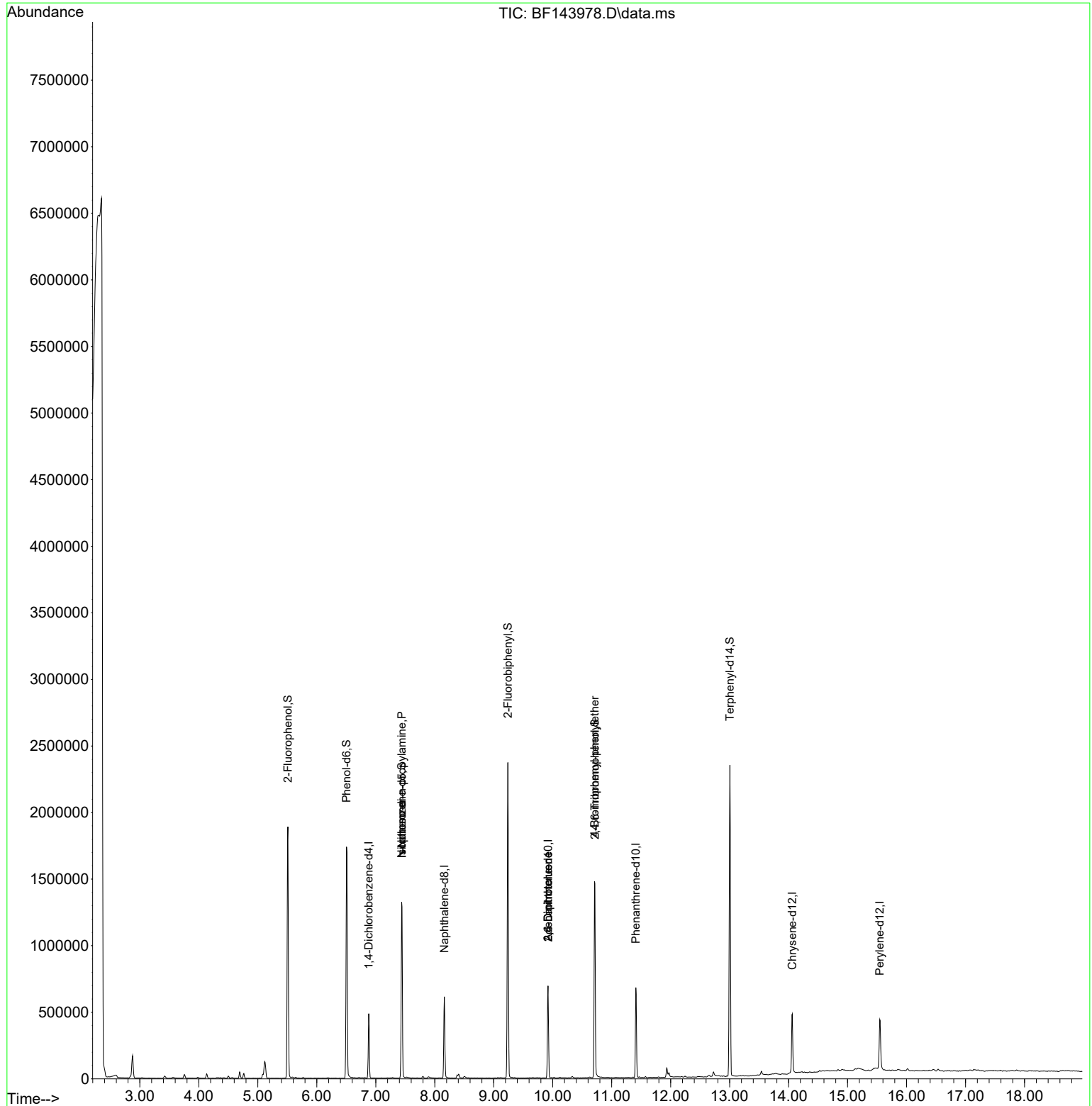
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	98209	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	382520	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	207939	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	362605	20.00	ng	0.00
76) Chrysene-d12	14.063	240	225679	20.00	ng	0.00
86) Perylene-d12	15.545	264	253078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	745343	120.52	ng	0.01
7) Phenol-d6	6.504	99	822546	111.58	ng	-0.01
23) Nitrobenzene-d5	7.440	82	593353	94.24	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	306193	147.84	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1124391	85.80	ng	-0.01
79) Terphenyl-d14	13.004	244	1252864	94.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	85394	16.92	ng	Qvalue # 78
25) Isophorone	7.440	82	522988	39.39	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	27078	11.06	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	27078	8.13	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	18510	4.62	ng	# 1

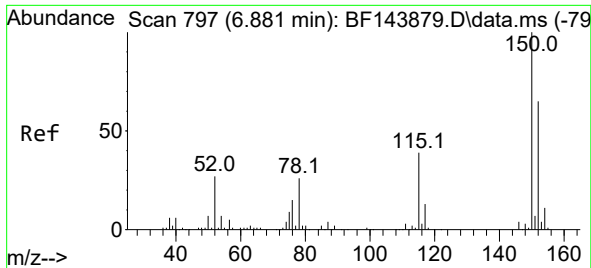
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101625\
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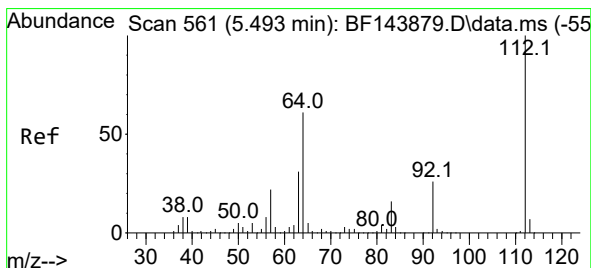
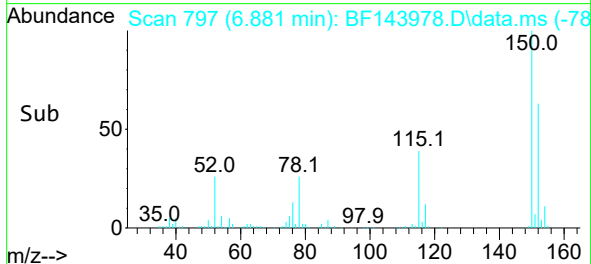
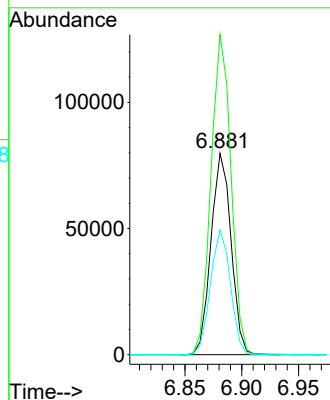
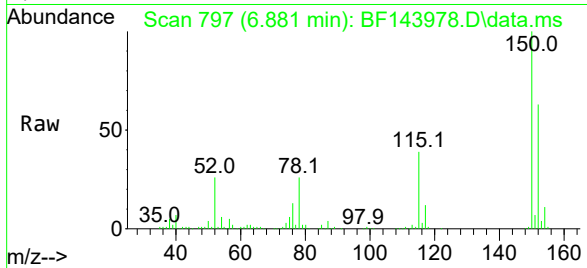




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

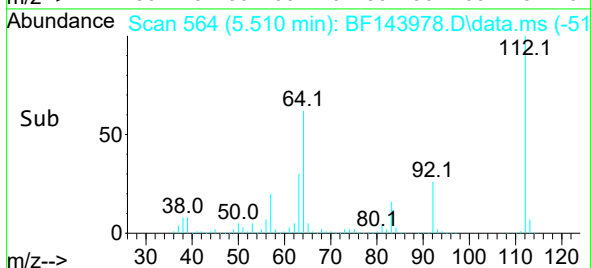
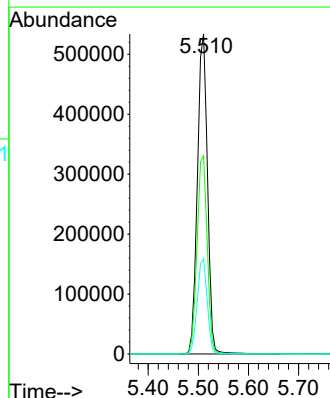
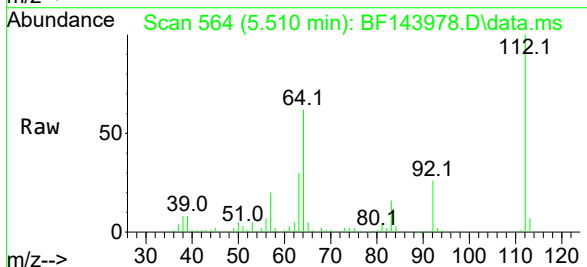
Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

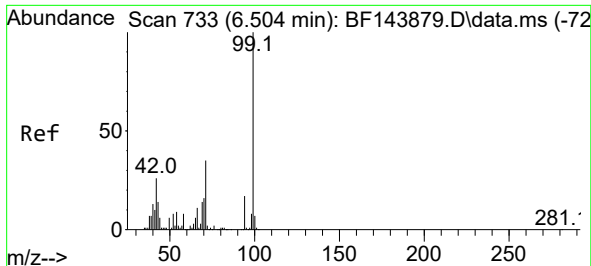
Tgt Ion:152 Resp: 98209
Ion Ratio Lower Upper
152 100
150 158.9 124.4 186.6
115 62.0 48.1 72.1



#5
2-Fluorophenol
Concen: 120.52 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

Tgt Ion:112 Resp: 745343
Ion Ratio Lower Upper
112 100
64 61.9 49.1 73.7
63 29.7 24.5 36.7

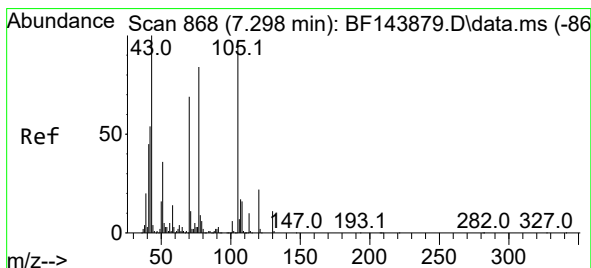
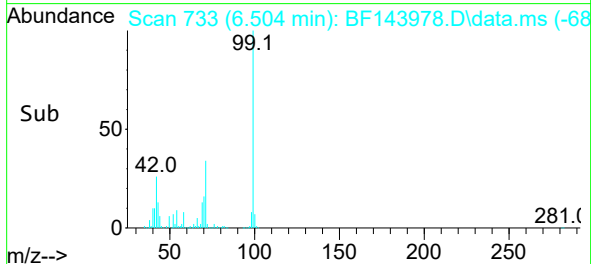
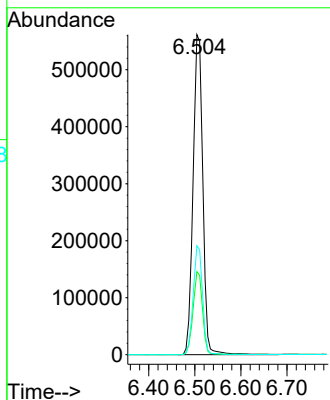
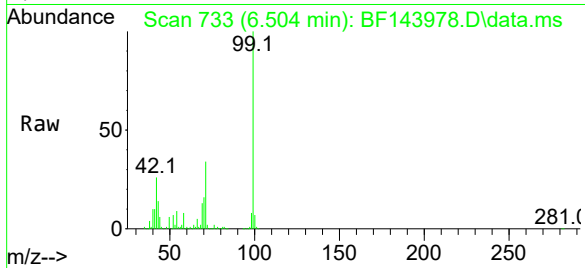




#7
Phenol-d6
Concen: 111.58 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

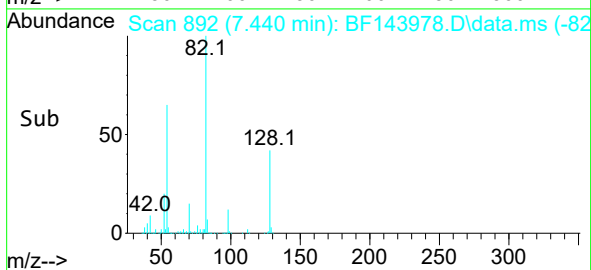
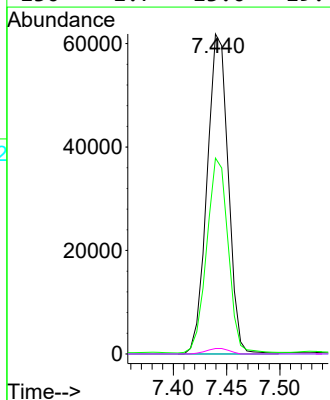
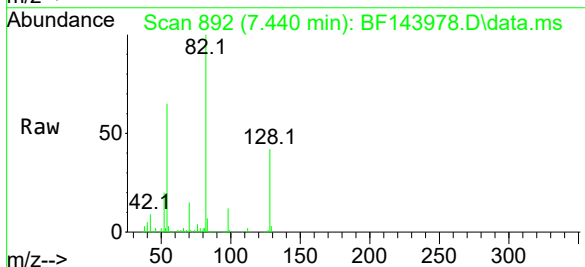
Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

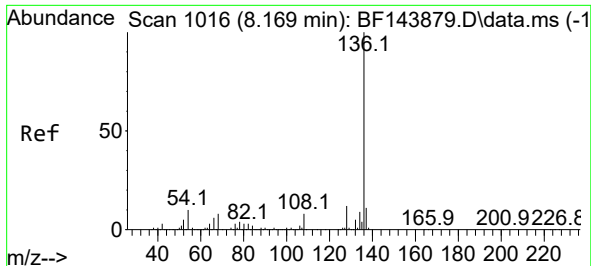
Tgt Ion: 99 Resp: 822546
Ion Ratio Lower Upper
99 100
42 25.9 21.0 31.4
71 34.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.92 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

Tgt Ion: 70 Resp: 85394
Ion Ratio Lower Upper
70 100
42 61.2 62.8 94.2#
101 0.0 6.7 10.1#
130 1.7 13.0 19.4#

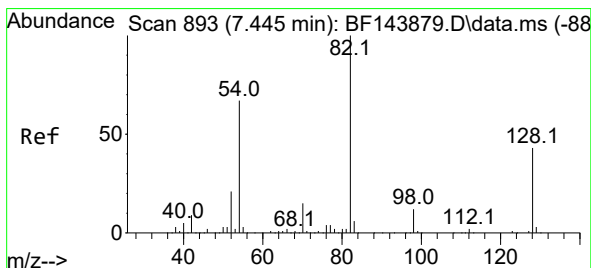
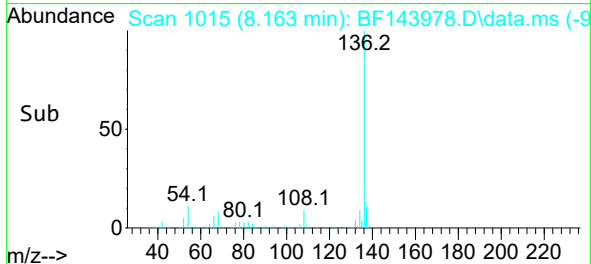
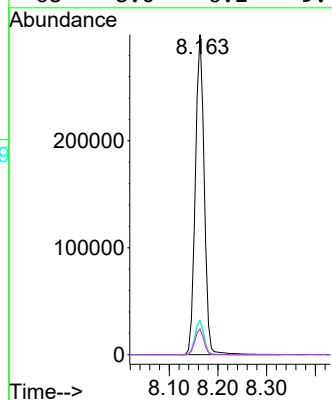
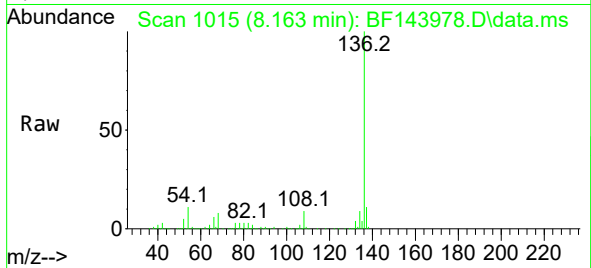




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

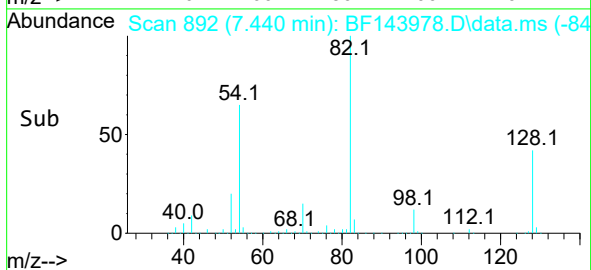
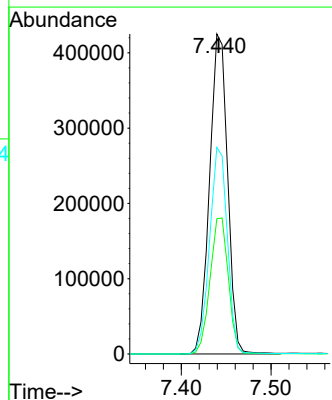
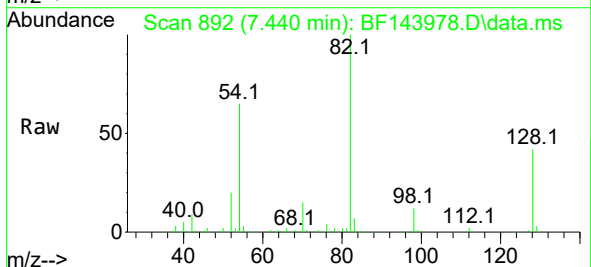
Instrument :
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ClientSampleId :
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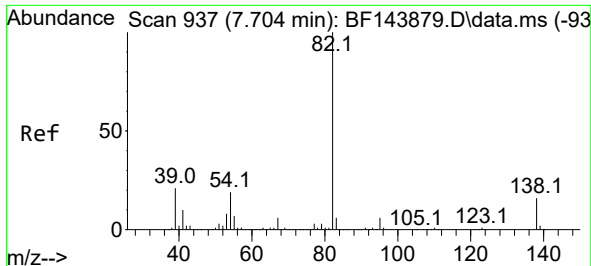
Tgt Ion:136 Resp: 382520
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.5 8.2 12.4
68 8.0 6.2 9.4



#23
Nitrobenzene-d5
Concen: 94.24 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

Tgt Ion: 82 Resp: 593353
Ion Ratio Lower Upper
82 100
128 42.2 34.0 51.0
54 64.5 53.2 79.8

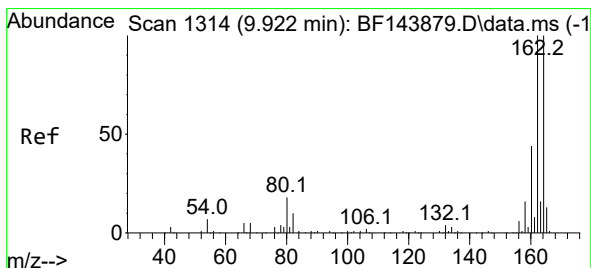
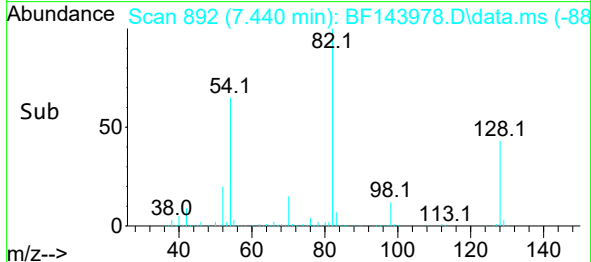
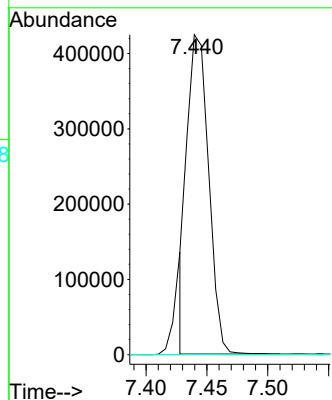
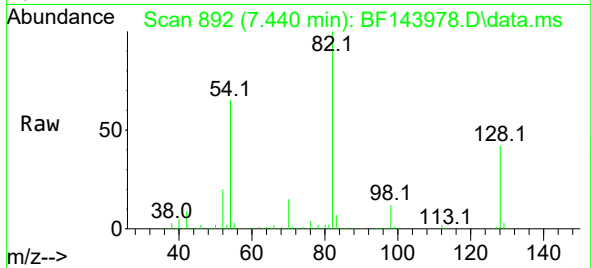




#25
Isophorone
Concen: 39.39 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

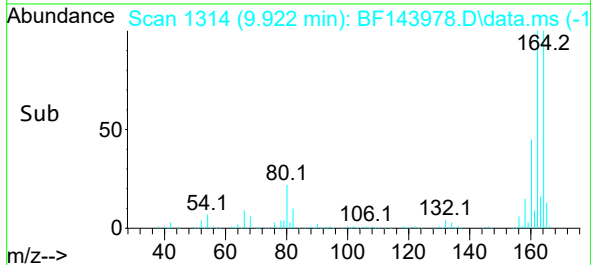
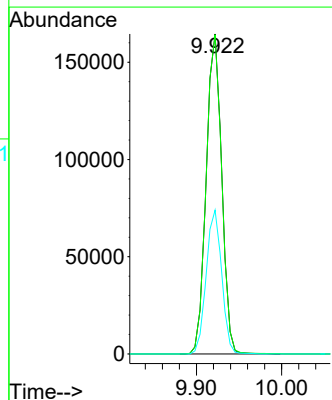
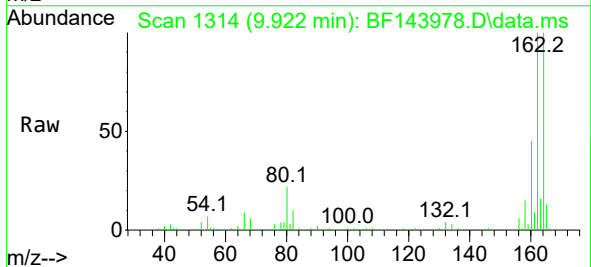
Instrument :
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ClientSampleId :
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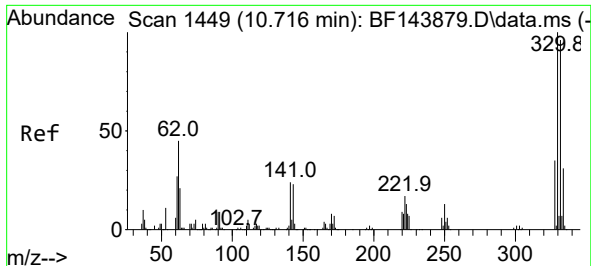
Tgt Ion: 82 Resp: 522988
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

Tgt Ion: 164 Resp: 207939
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 44.9 35.4 53.0

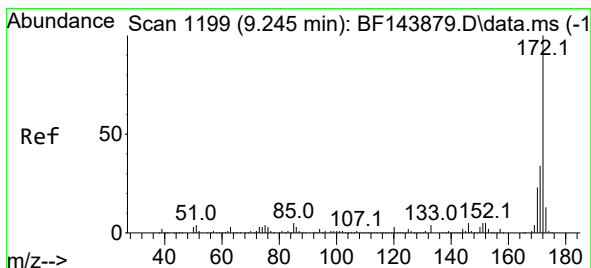
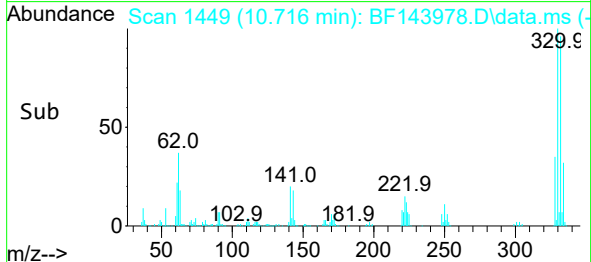
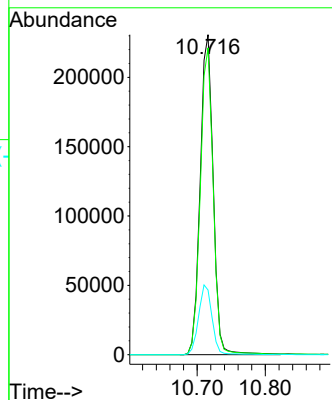
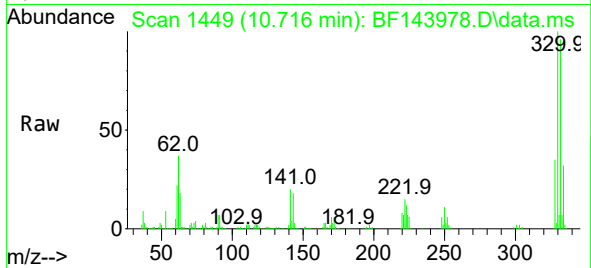




#42
2,4,6-Tribromophenol
Concen: 147.84 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

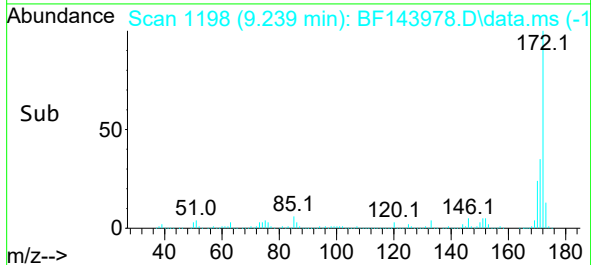
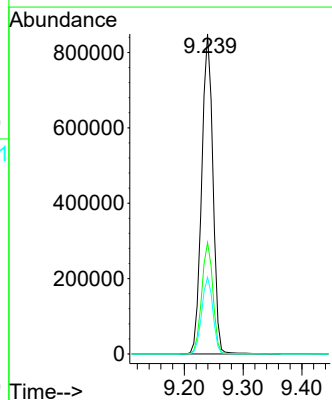
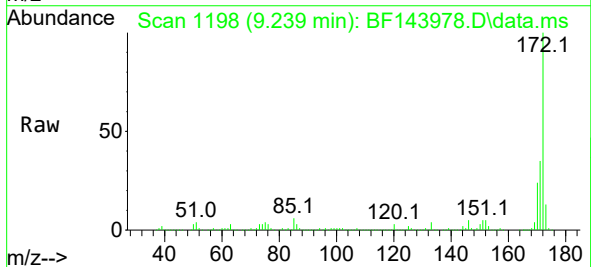
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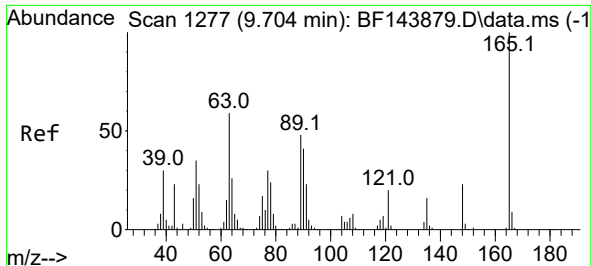
Tgt Ion:330 Resp: 306193
Ion Ratio Lower Upper
330 100
332 95.2 76.9 115.3
141 22.5 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 85.80 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

Tgt Ion:172 Resp: 1124391
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.0
170 24.0 18.6 28.0

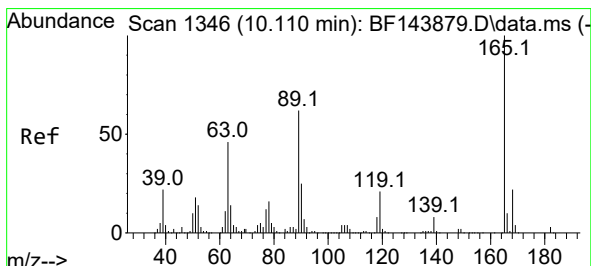
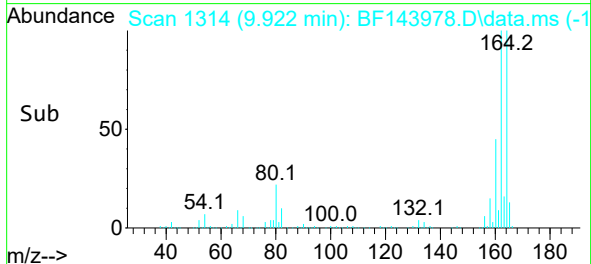
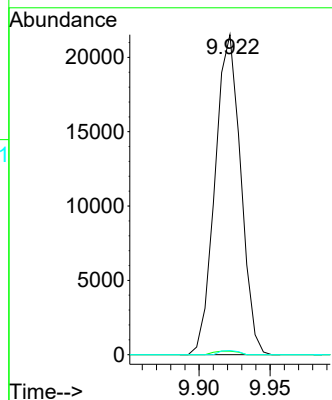
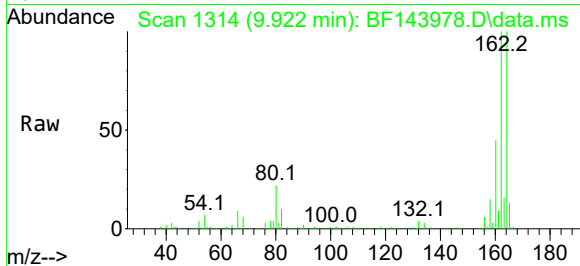




#51
2,6-Dinitrotoluene
Concen: 11.06 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

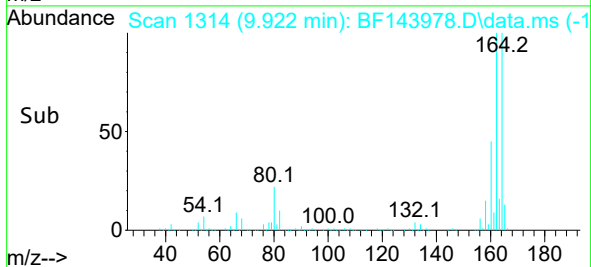
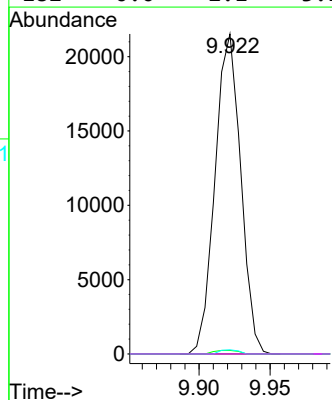
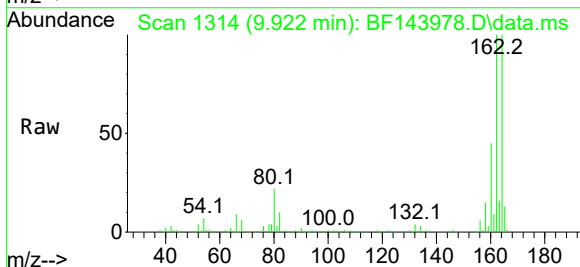
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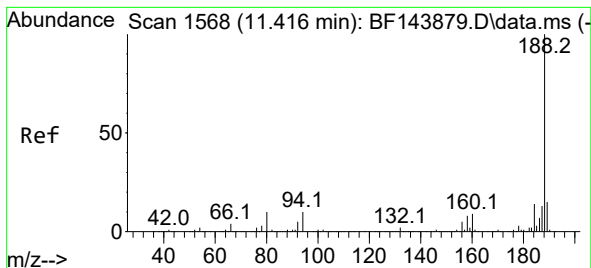
Tgt Ion:165 Resp: 27078
Ion Ratio Lower Upper
165 100
63 1.1 47.3 70.9#
89 1.3 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.13 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

Tgt Ion:165 Resp: 27078
Ion Ratio Lower Upper
165 100
63 1.1 37.2 55.8#
89 1.3 49.4 74.2#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143978.D

Acq: 16 Oct 2025 14:42

Instrument :

BNA_F

ClientSampleId :

TANK-FARM-SOIL

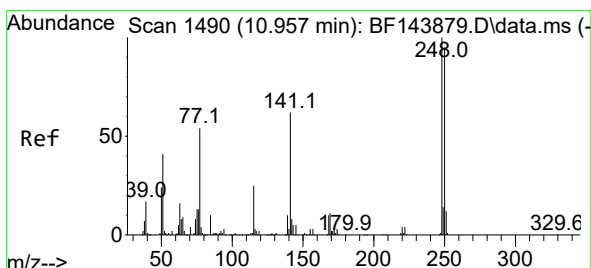
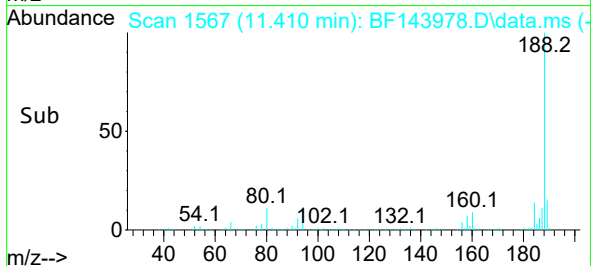
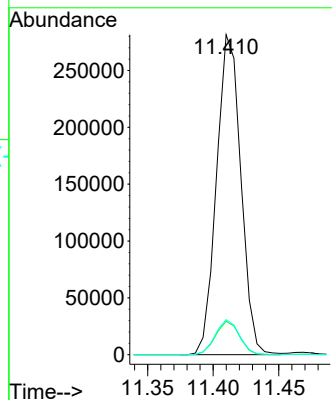
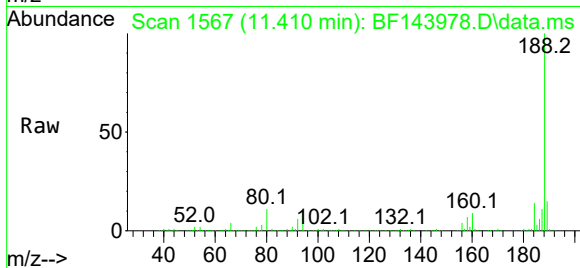
Tgt Ion:188 Resp: 362605

Ion Ratio Lower Upper

188 100

94 10.4 7.8 11.6

80 11.0 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 4.62 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF143978.D

Acq: 16 Oct 2025 14:42

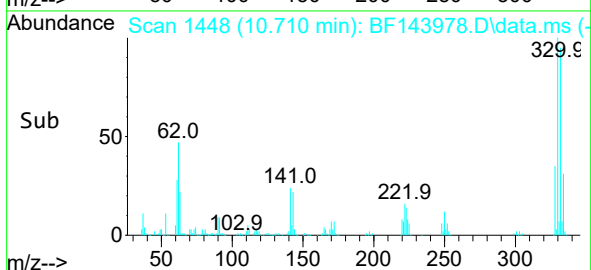
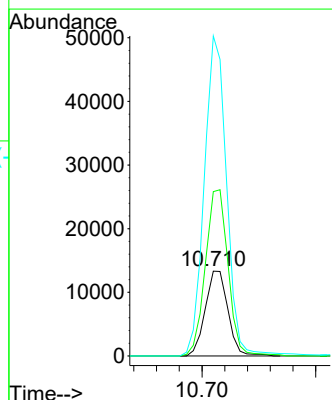
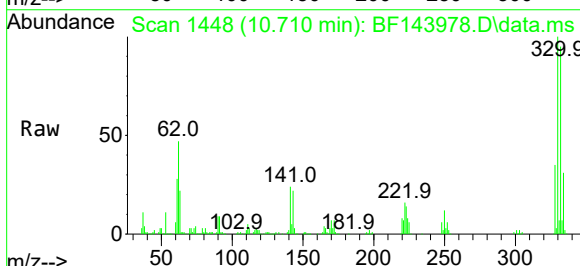
Tgt Ion:248 Resp: 18510

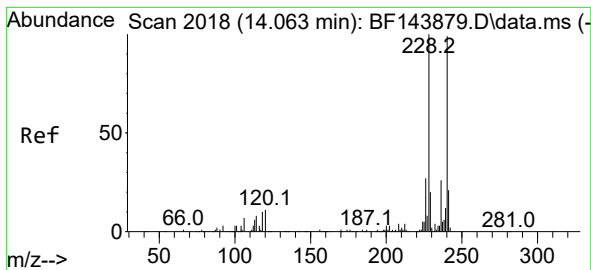
Ion Ratio Lower Upper

248 100

250 193.8 76.3 114.5#

141 377.4 49.7 74.5#





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.005 min

Lab File: BF143978.D

Acq: 16 Oct 2025 14:42

Instrument :

BNA_F

ClientSampleId :

TANK-FARM-SOIL

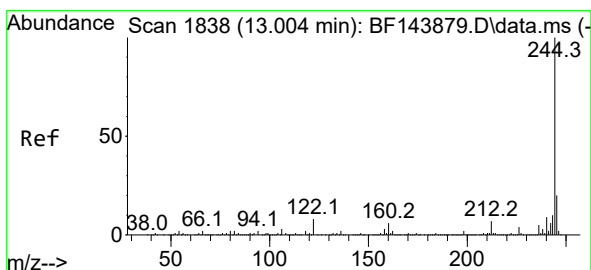
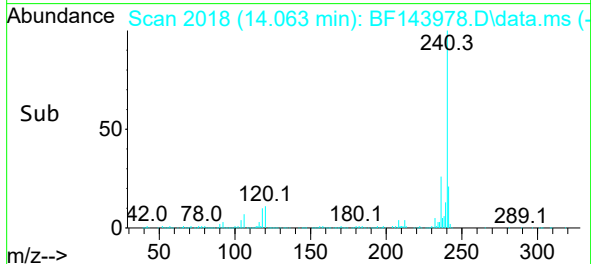
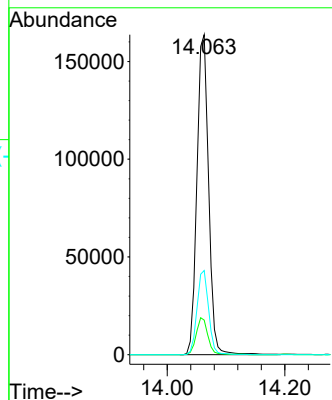
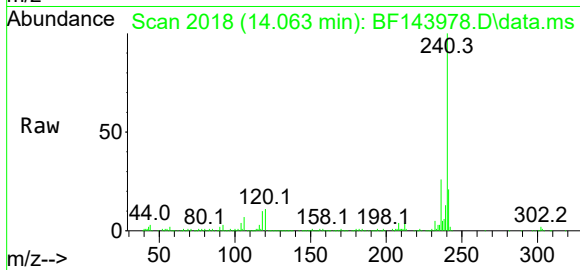
Tgt Ion:240 Resp: 225679

Ion Ratio Lower Upper

240 100

120 10.8 8.6 13.0

236 26.3 21.1 31.7



#79

Terphenyl-d14

Concen: 94.88 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143978.D

Acq: 16 Oct 2025 14:42

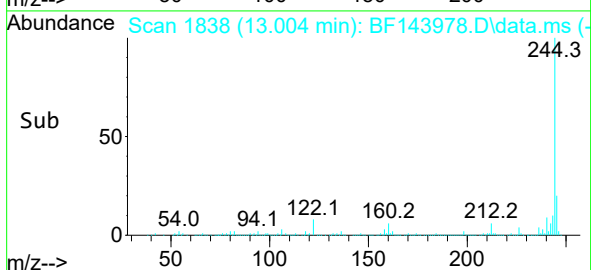
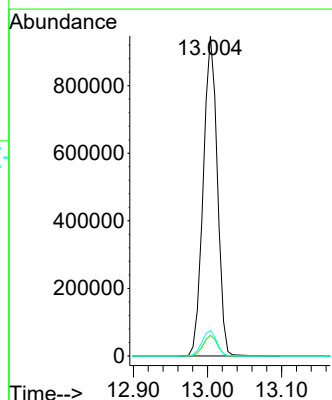
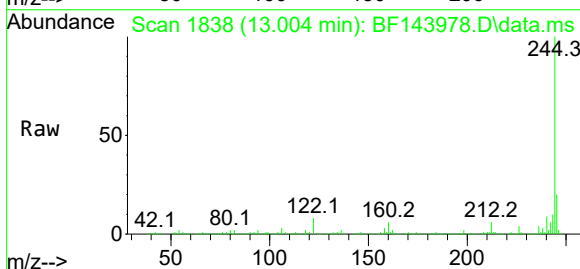
Tgt Ion:244 Resp: 1252864

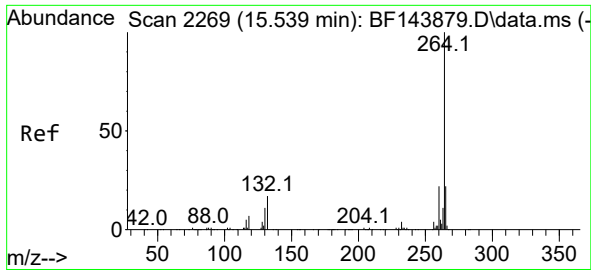
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 7.9 6.4 9.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143978.D

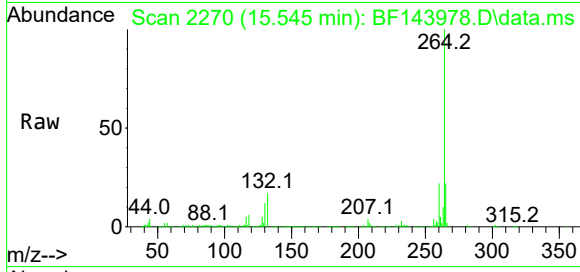
Acq: 16 Oct 2025 14:42

Instrument :

BNA_F

ClientSampleId :

TANK-FARM-SOIL



Tgt Ion:264 Resp: 253078

Ion Ratio Lower Upper

264 100

260 21.9 17.8 26.8

265 22.0 17.5 26.3

