

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080125\
 Data File : BF143276.D
 Acq On : 01 Aug 2025 11:44
 Operator : RC/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL-2.5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Aug 01 12:19:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

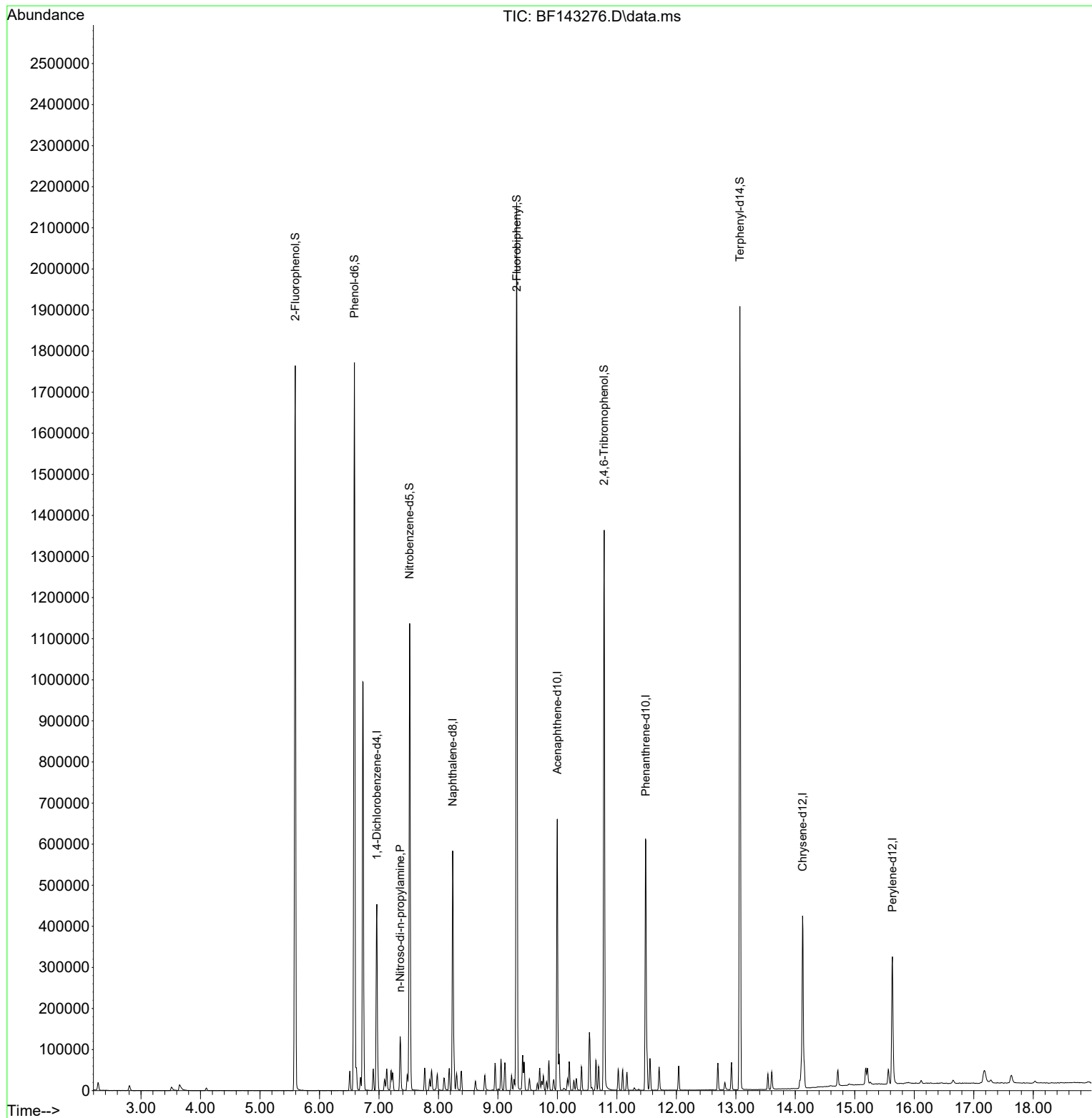
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	91651	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	353657	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	190842	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	326122	20.000	ng	0.00
76) Chrysene-d12	14.121	240	194042	20.000	ng	0.00
86) Perylene-d12	15.633	264	191571	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	656982	113.436	ng	0.00
7) Phenol-d6	6.586	99	835698	114.638	ng	0.00
23) Nitrobenzene-d5	7.516	82	500762	70.581	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	249542	126.574	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	938306	67.241	ng	0.00
79) Terphenyl-d14	13.068	244	909940	69.783	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.357	70	10364	2.216	ng	Qvalue 92

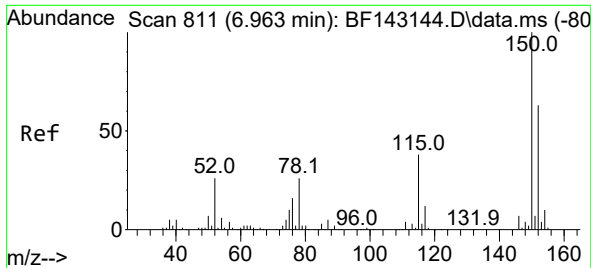
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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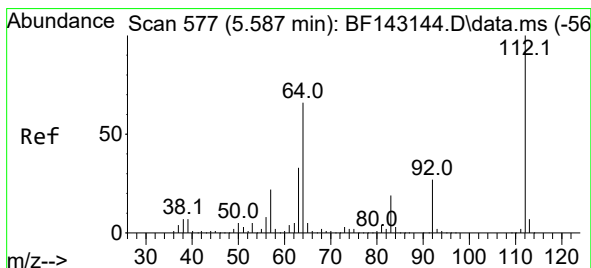
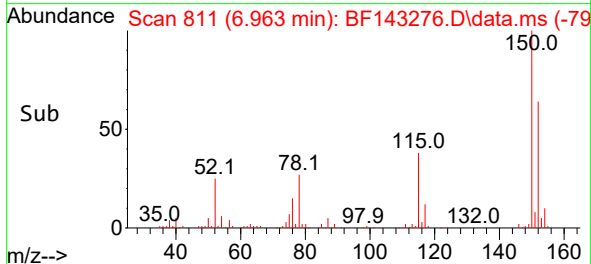
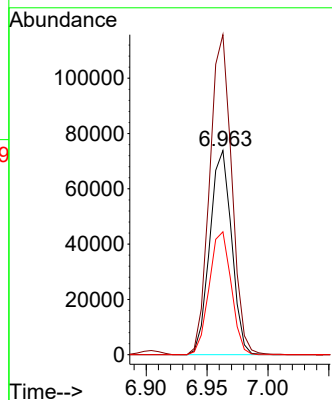
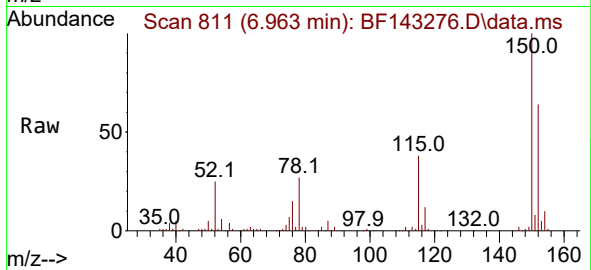




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143276.D
Acq: 01 Aug 2025 11:44

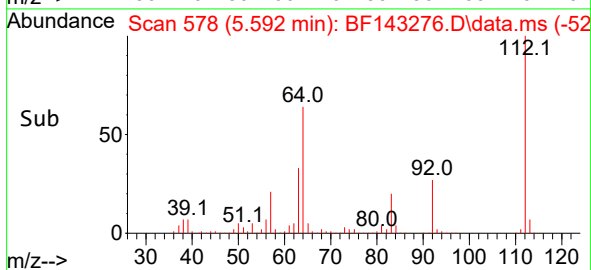
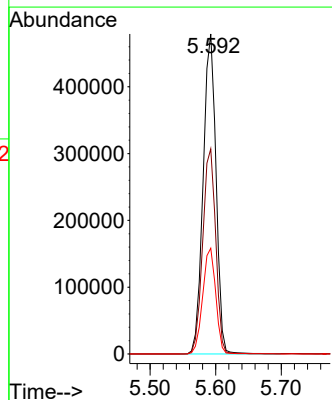
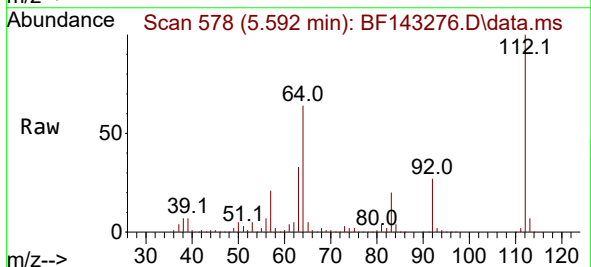
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

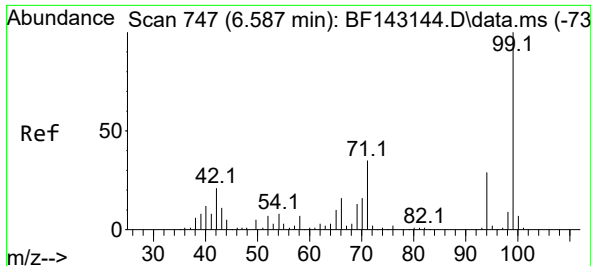
Tgt Ion:152 Resp: 91651
Ion Ratio Lower Upper
152 100
150 156.7 128.2 192.4
115 60.2 47.9 71.9



#5
2-Fluorophenol
Concen: 113.436 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143276.D
Acq: 01 Aug 2025 11:44

Tgt Ion:112 Resp: 656982
Ion Ratio Lower Upper
112 100
64 64.1 53.1 79.7
63 33.0 26.6 40.0

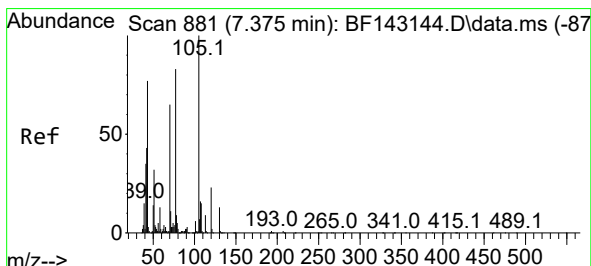
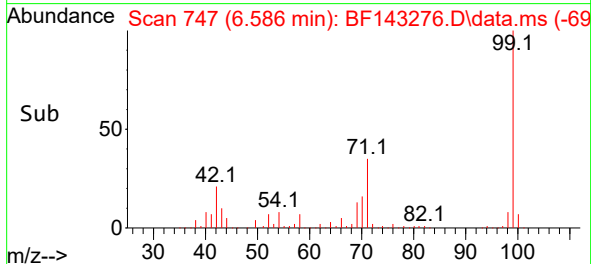
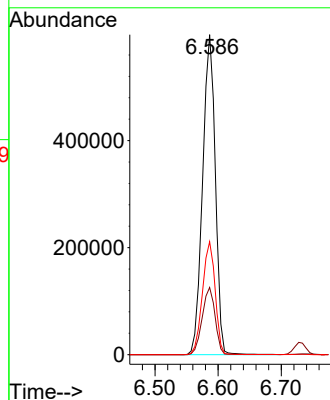
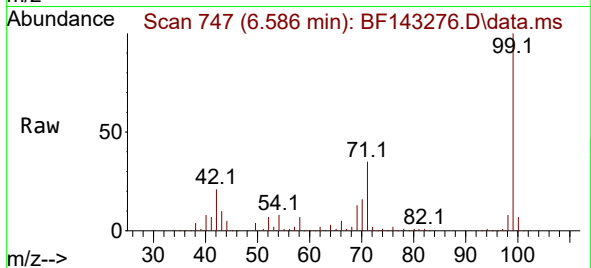




#7
Phenol-d6
Concen: 114.638 ng
RT: 6.586 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143276.D
Acq: 01 Aug 2025 11:44

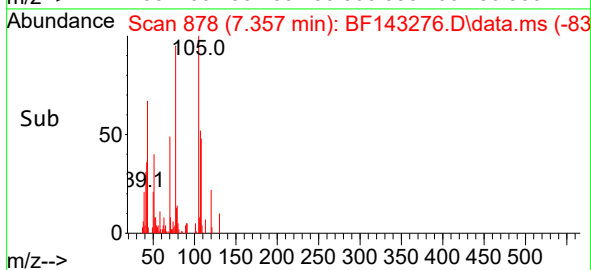
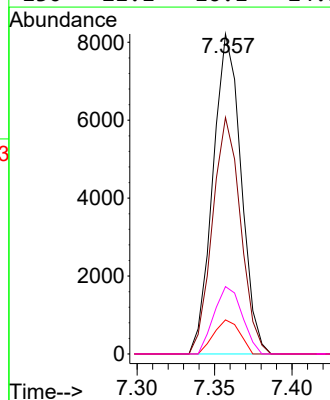
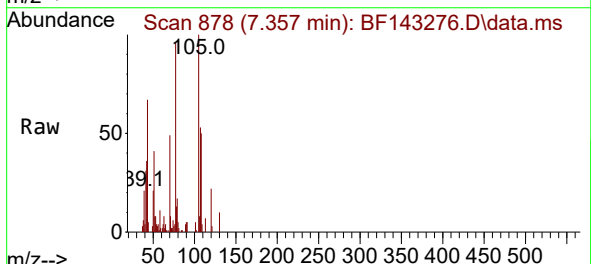
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

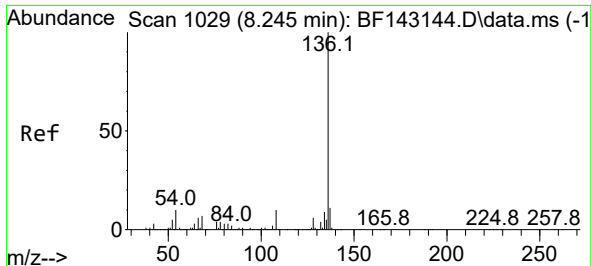
Tgt Ion: 99 Resp: 835698
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 35.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.216 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.018 min
Lab File: BF143276.D
Acq: 01 Aug 2025 11:44

Tgt Ion: 70 Resp: 10364
Ion Ratio Lower Upper
70 100
42 73.9 52.5 78.7
101 10.7 7.6 11.4
130 21.1 16.1 24.1

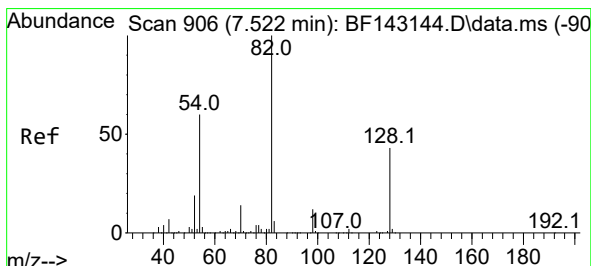
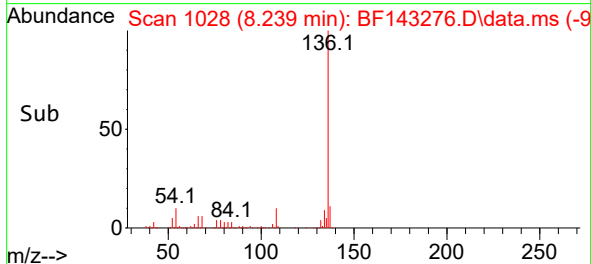
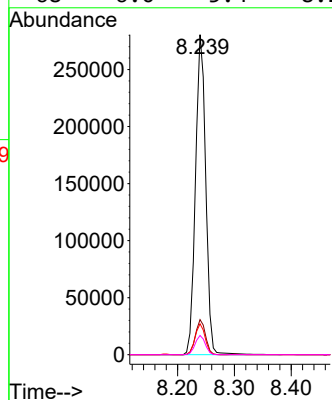
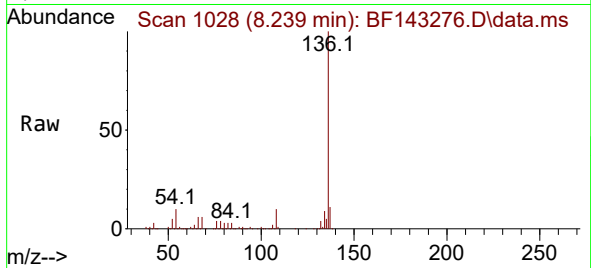




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143276.D
Acq: 01 Aug 2025 11:44

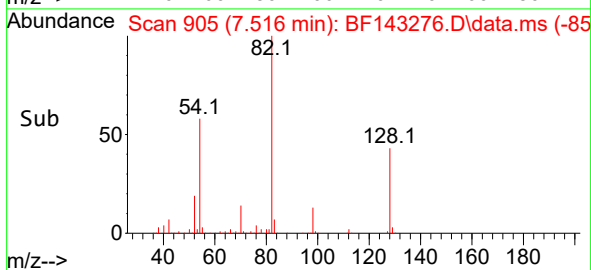
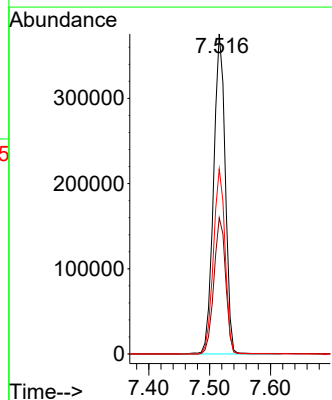
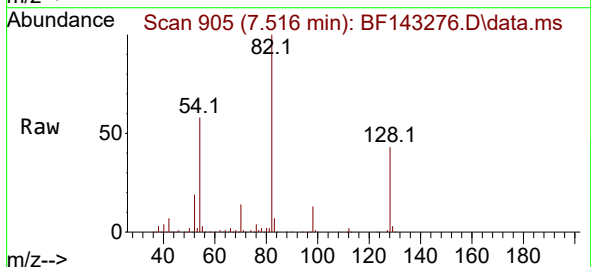
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

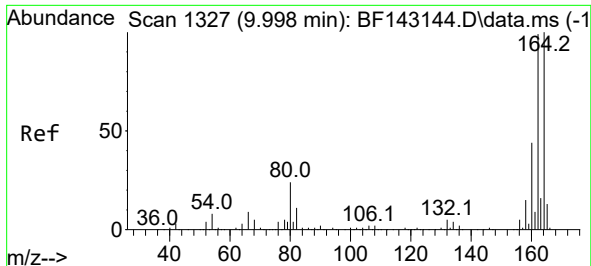
Tgt Ion:	136	Resp:	353657
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.7	8.2	12.2
68	6.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 70.581 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143276.D
Acq: 01 Aug 2025 11:44

Tgt Ion:	82	Resp:	500762
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.6	50.4
54	57.9	47.1	70.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143276.D

Acq: 01 Aug 2025 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

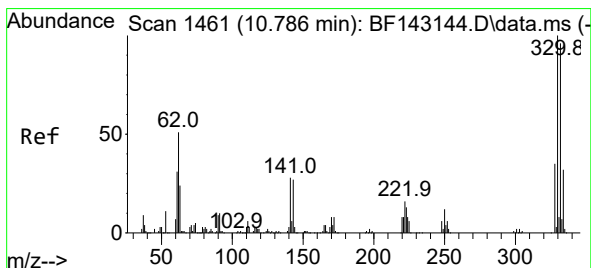
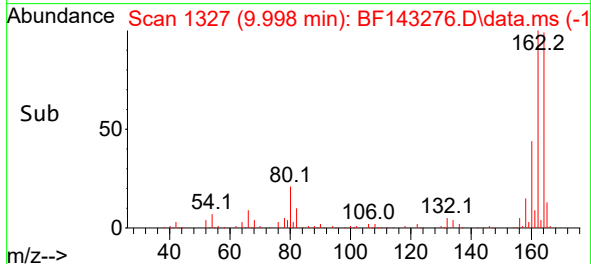
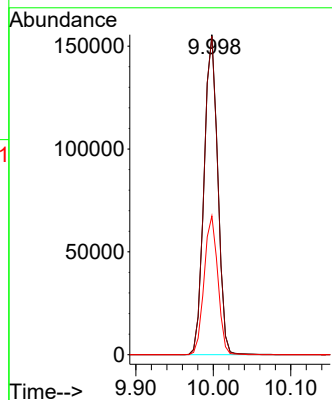
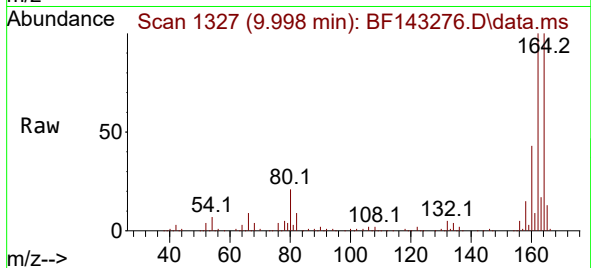
Tgt Ion:164 Resp: 190842

Ion Ratio Lower Upper

164 100

162 99.5 79.0 118.6

160 43.4 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 126.574 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143276.D

Acq: 01 Aug 2025 11:44

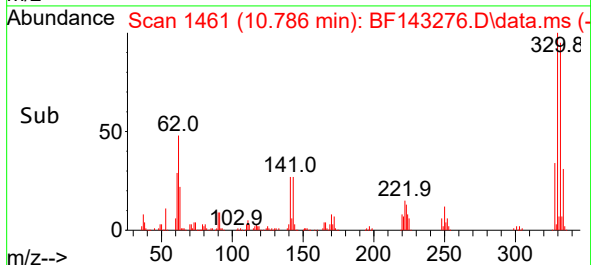
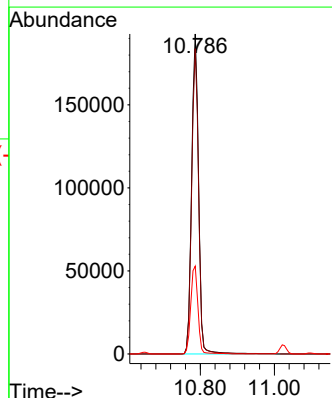
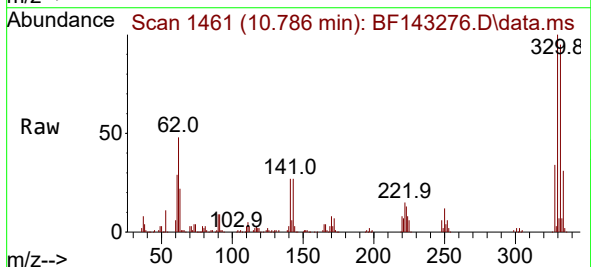
Tgt Ion:330 Resp: 249542

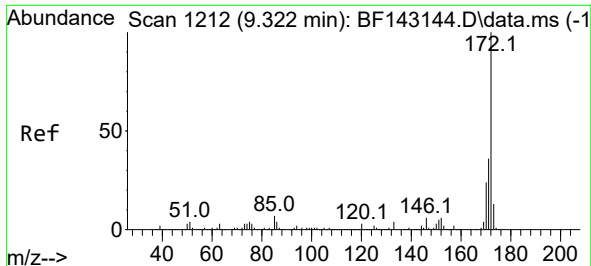
Ion Ratio Lower Upper

330 100

332 95.2 76.7 115.1

141 28.7 23.3 34.9

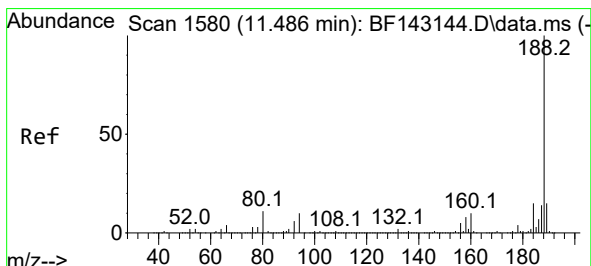
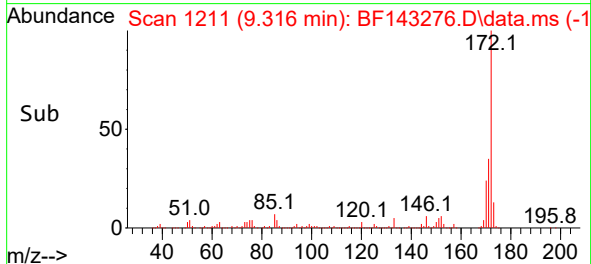
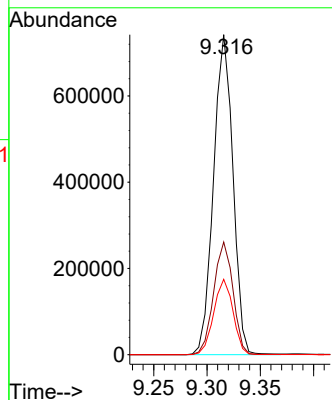
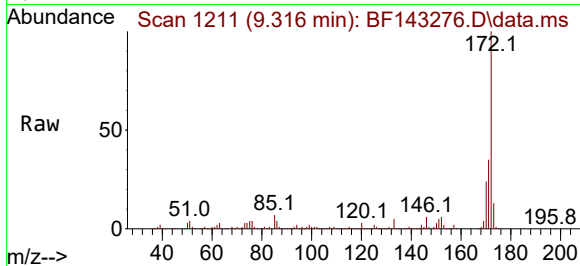




#45
2-Fluorobiphenyl
Concen: 67.241 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143276.D
Acq: 01 Aug 2025 11:44

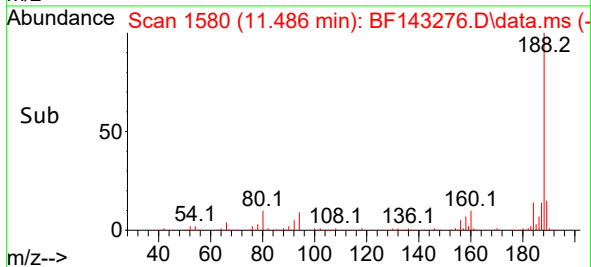
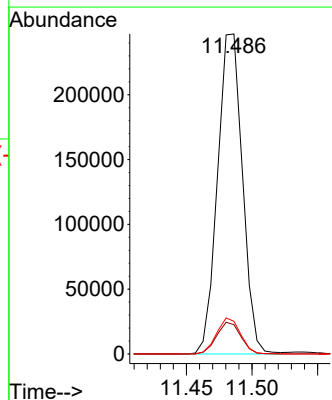
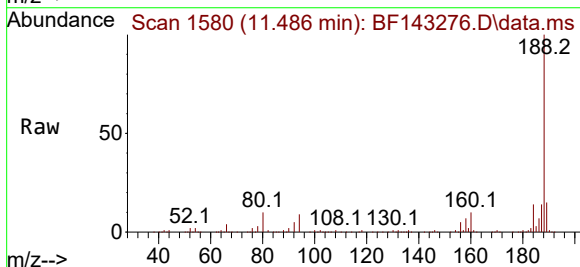
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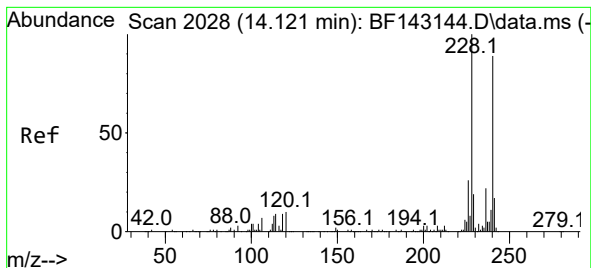
Tgt Ion:172 Resp: 938306
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.5 18.8 28.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143276.D
Acq: 01 Aug 2025 11:44

Tgt Ion:188 Resp: 326122
Ion Ratio Lower Upper
188 100
94 9.2 8.3 12.5
80 10.2 9.0 13.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143276.D

Acq: 01 Aug 2025 11:44

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

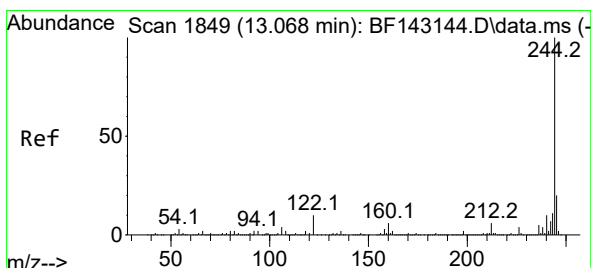
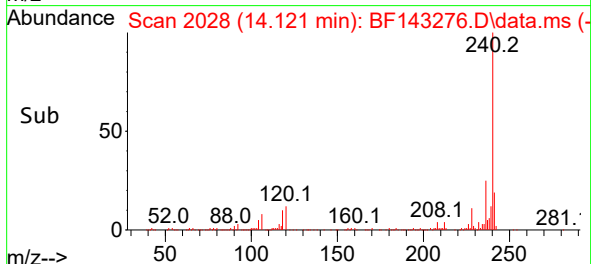
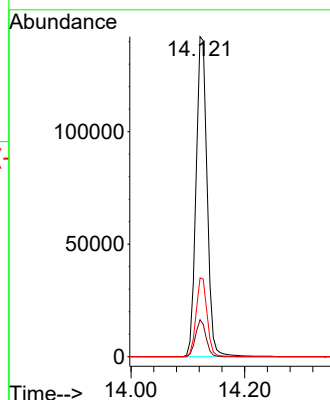
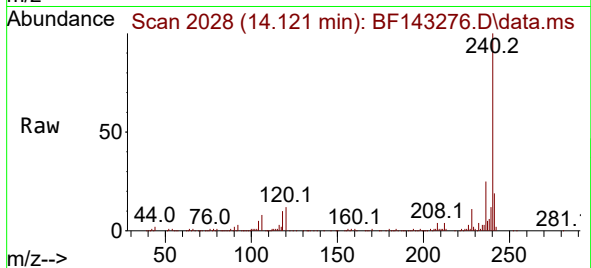
Tgt Ion:240 Resp: 194042

Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.2

236 24.6 20.2 30.4



#79

Terphenyl-d14

Concen: 69.783 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143276.D

Acq: 01 Aug 2025 11:44

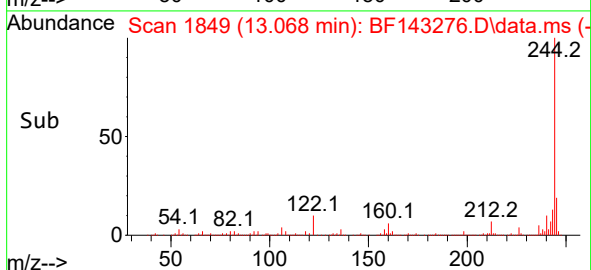
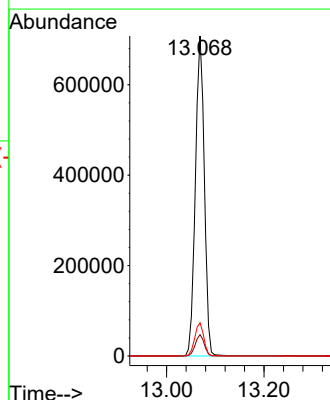
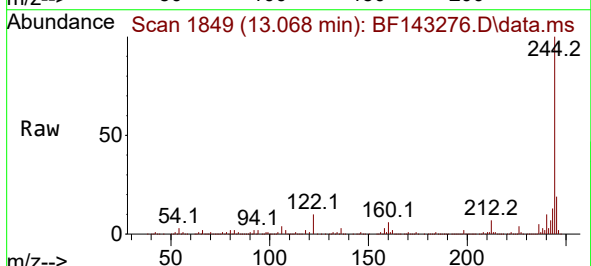
Tgt Ion:244 Resp: 909940

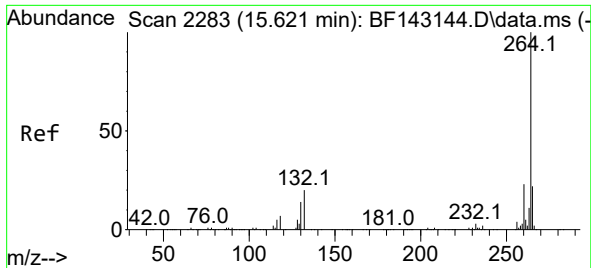
Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

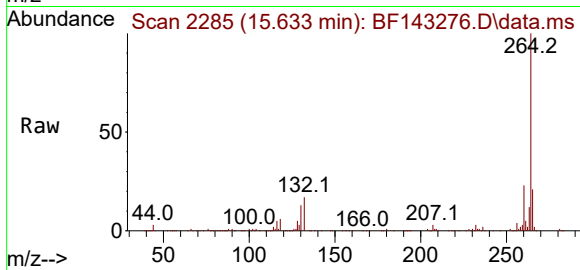
122 10.4 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143276.D
Acq: 01 Aug 2025 11:44

Instrument :
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ClientSampleId :
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Tgt Ion:264 Resp: 191571
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 21.2 17.4 26.2

