

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141306.D
 Acq On : 30 Jan 2025 11:55
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Jan 30 12:16:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

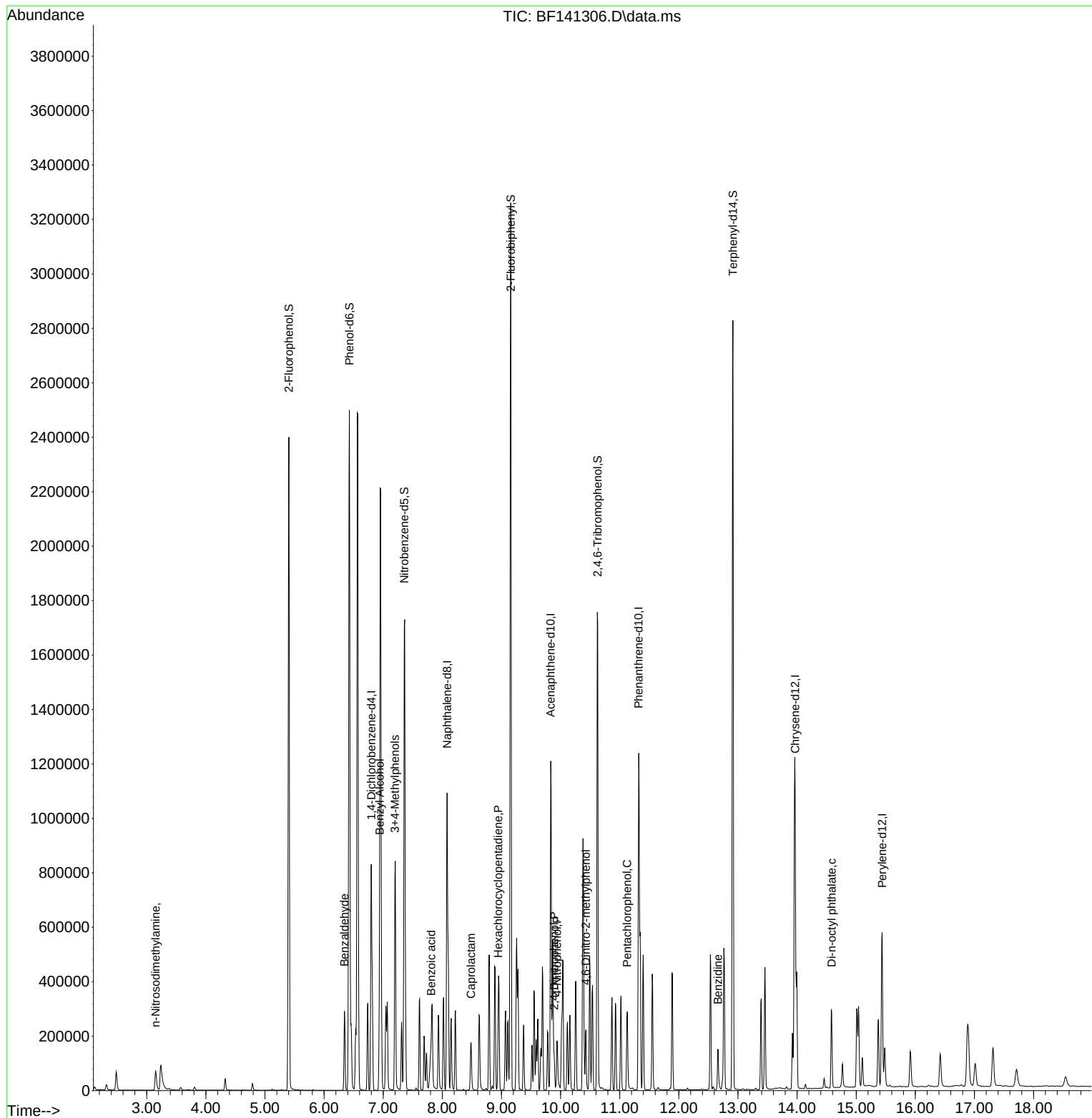
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	159543	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	651126	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	360948	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	624541	20.000	ng	0.00
76) Chrysene-d12	13.968	240	375774	20.000	ng	0.00
86) Perylene-d12	15.439	264	333683	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	899133	86.519	ng	0.00
7) Phenol-d6	6.428	99	1176565	88.996	ng	-0.01
23) Nitrobenzene-d5	7.357	82	783425	63.428	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	290623	87.826	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1406531	59.979	ng	0.00
79) Terphenyl-d14	12.916	244	1417480	58.174	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.152	42	50892	8.090	ng	99
9) Benzaldehyde	6.345	77	77436	10.112	ng	99
15) Benzyl Alcohol	6.940	79	82552	9.137	ng	97
20) 3+4-Methylphenols	7.198	107	95760	8.615	ng	# 89
32) Benzoic acid	7.810	122	79101	11.199	ng	99
35) Caprolactam	8.486	113	24852	8.090	ng	98
41) Hexachlorocyclopentadiene	8.945	237	31505	10.389	ng	98
54) 2,4-Dinitrophenol	9.892	184	23520	8.939	ng	96
56) 4-Nitrophenol	9.939	139	44899	11.066	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	39870	10.793	ng	96
70) Pentachlorophenol	11.127	266	49873	11.483	ng	99
77) Benzidine	12.663	184	86938	7.217	ng	98
85) Di-n-octyl phthalate	14.586	149	194383	7.829	ng	99

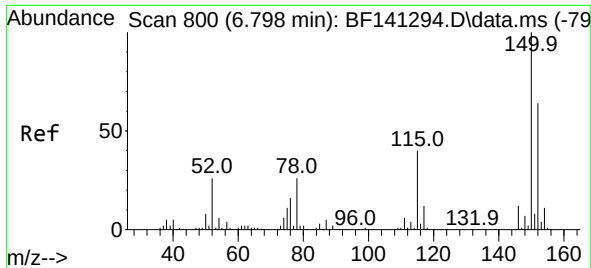
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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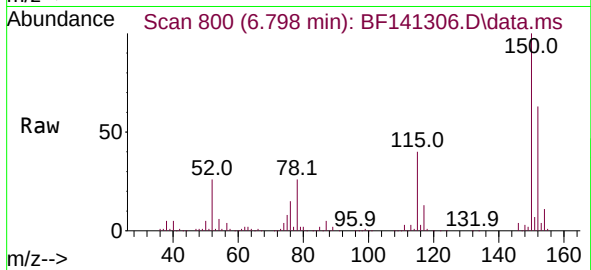
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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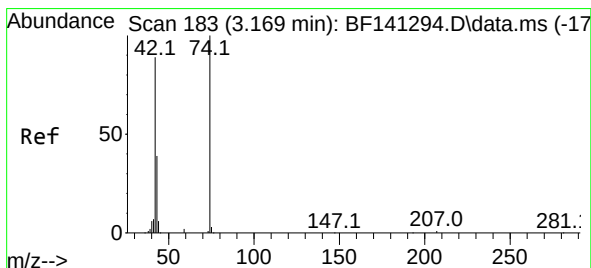
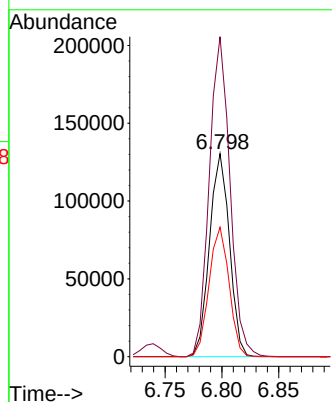
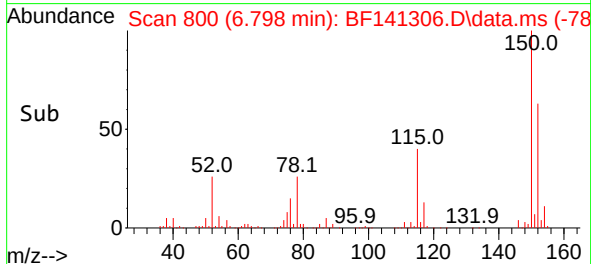


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

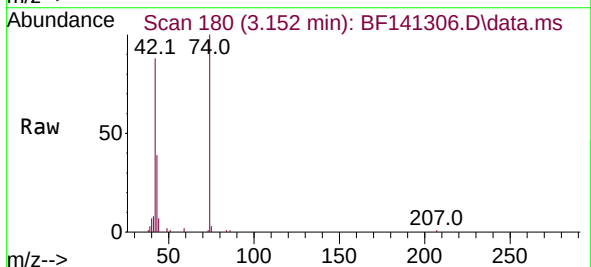
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



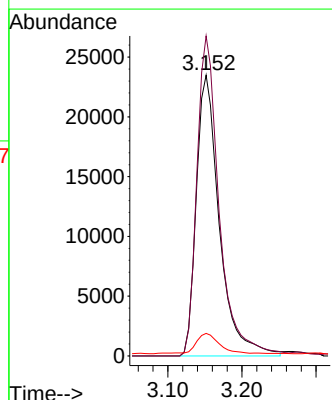
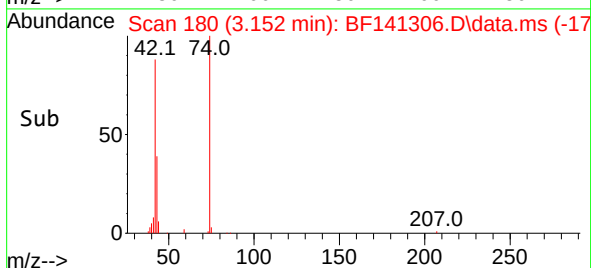
Tgt Ion:152 Resp: 159543
Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 63.7 49.7 74.5

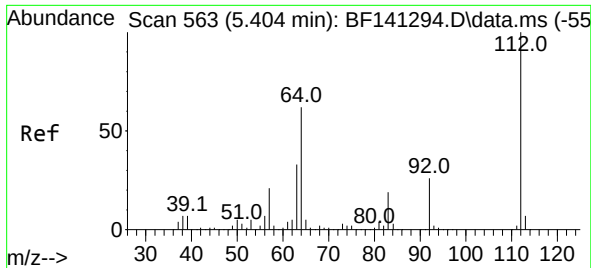


#4
n-Nitrosodimethylamine
Concen: 8.090 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.047 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55



Tgt Ion: 42 Resp: 50892
Ion Ratio Lower Upper
42 100
74 113.9 90.3 135.5
44 8.1 5.7 8.5

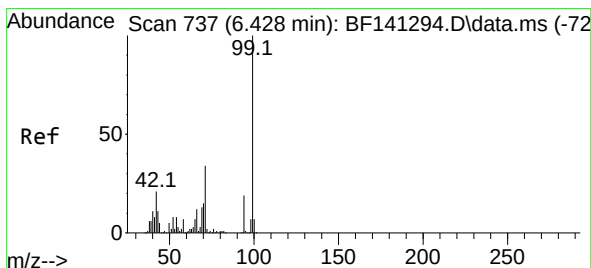
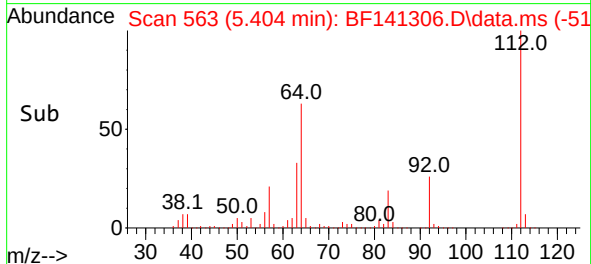
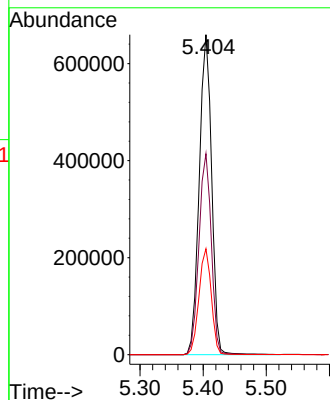
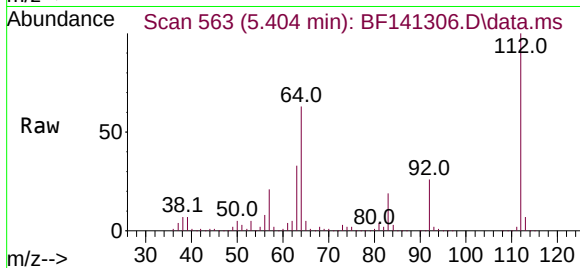




#5
2-Fluorophenol
Concen: 86.519 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

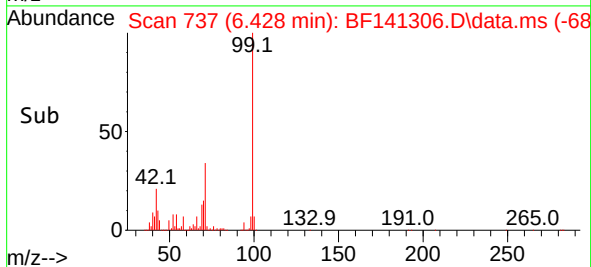
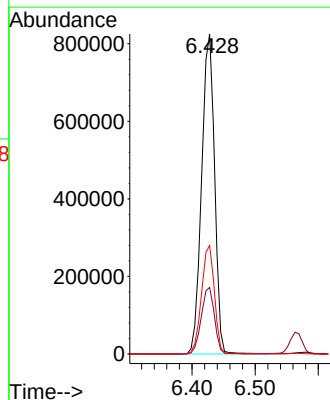
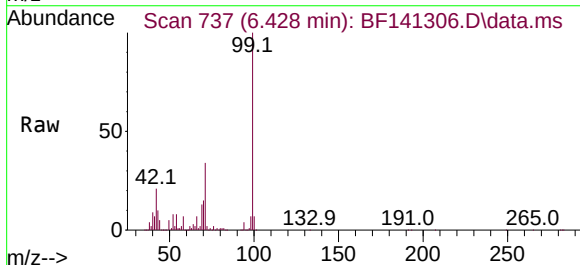
Instrument :
BNA_F
ClientSampleId :
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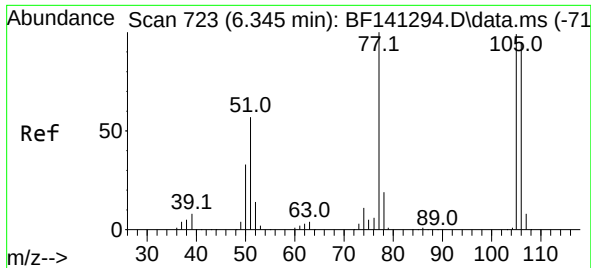
Tgt Ion:112 Resp: 899133
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 33.1 26.1 39.1



#7
Phenol-d6
Concen: 88.996 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

Tgt Ion: 99 Resp: 1176565
Ion Ratio Lower Upper
99 100
42 20.8 17.1 25.7
71 33.9 26.9 40.3





#9

Benzaldehyde

Concen: 10.112 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141306.D

Acq: 30 Jan 2025 11:55

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

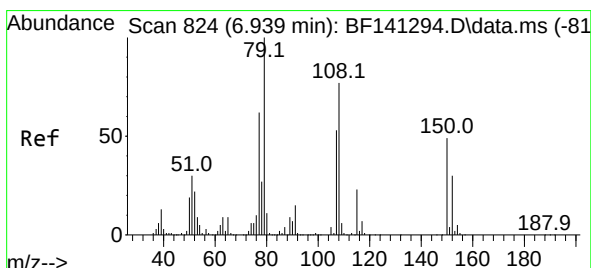
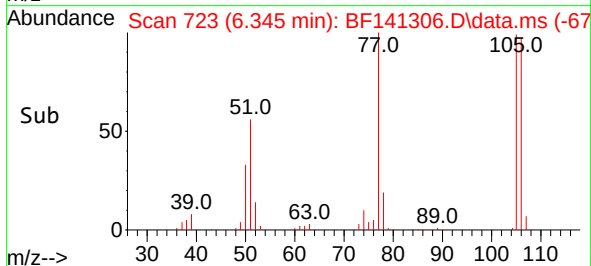
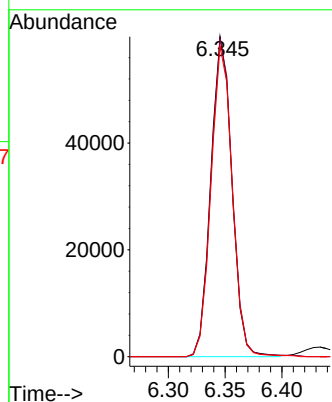
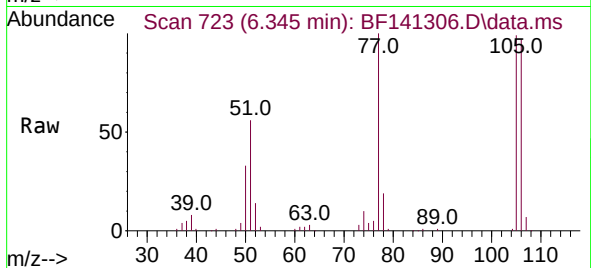
Tgt Ion: 77 Resp: 77436

Ion Ratio Lower Upper

77 100

105 99.5 79.4 119.4

106 97.0 74.6 114.6



#15

Benzyl Alcohol

Concen: 9.137 ng

RT: 6.940 min Scan# 824

Delta R.T. -0.006 min

Lab File: BF141306.D

Acq: 30 Jan 2025 11:55

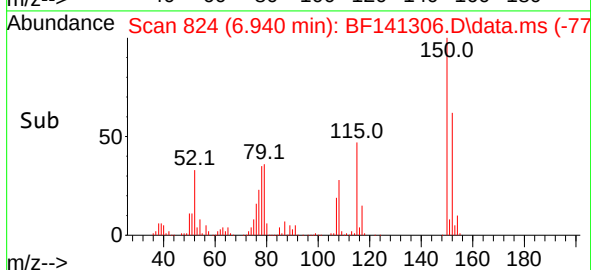
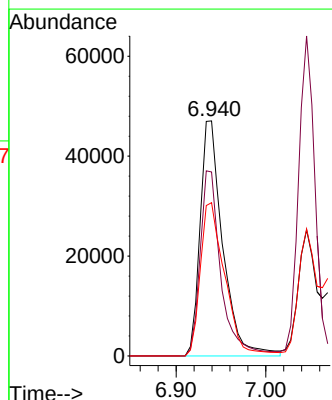
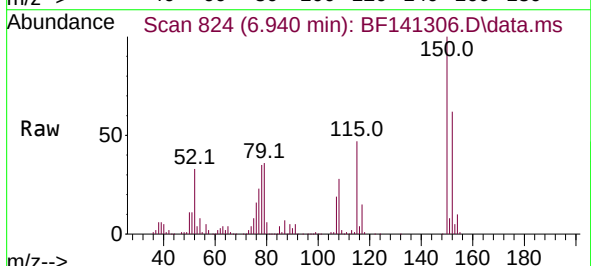
Tgt Ion: 79 Resp: 82552

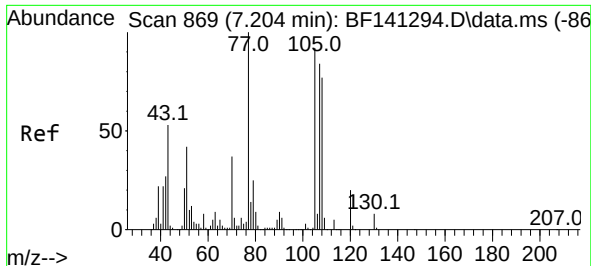
Ion Ratio Lower Upper

79 100

108 78.3 61.4 92.0

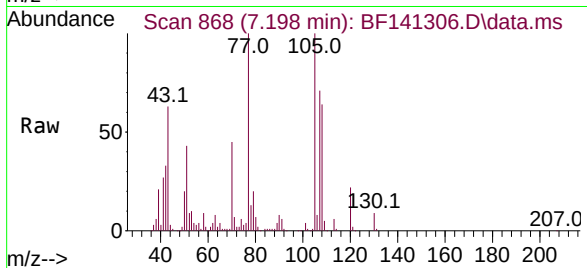
77 65.2 49.9 74.9



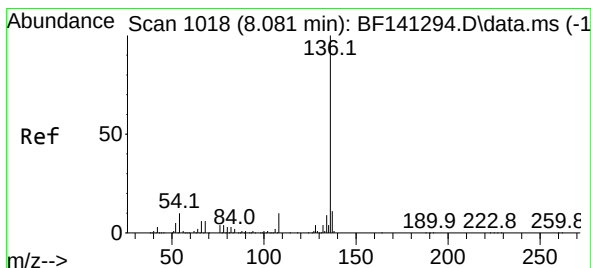
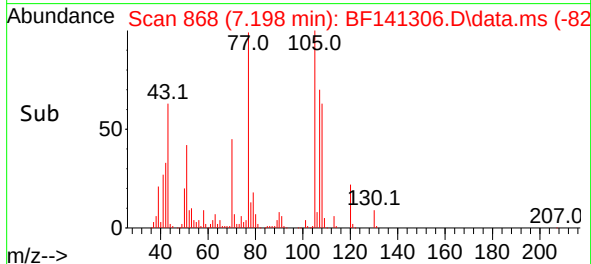
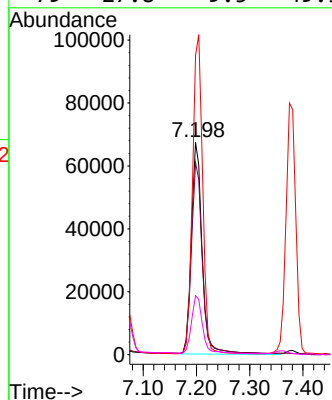


#20
3+4-Methylphenols
Concen: 8.615 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

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BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

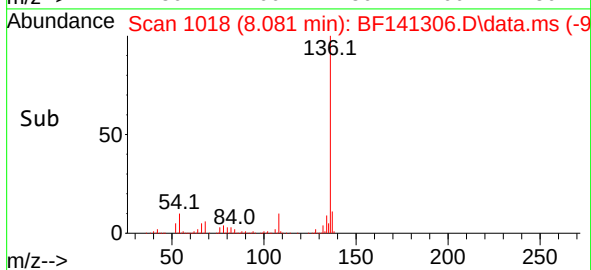
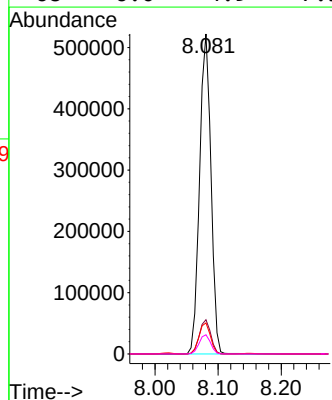
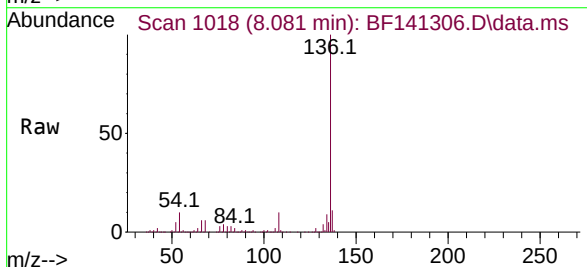


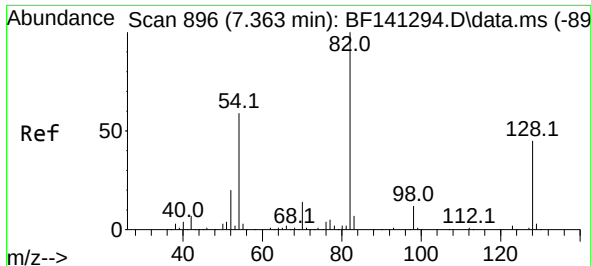
Tgt Ion:107 Resp: 95760
Ion Ratio Lower Upper
107 100
108 90.4 70.9 110.9
77 141.0 98.5 138.5#
79 27.8 9.5 49.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

Tgt Ion:136 Resp: 651126
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.7 7.8 11.8
68 6.0 4.9 7.3

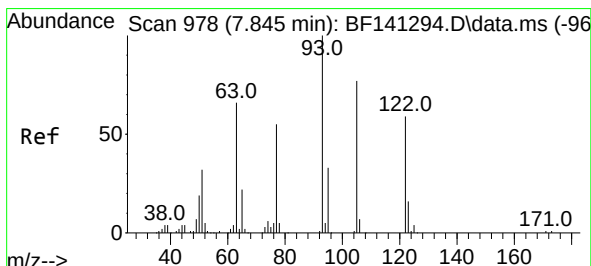
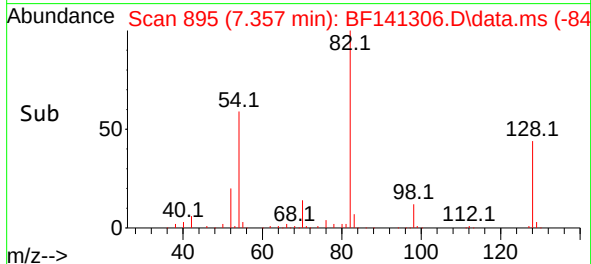
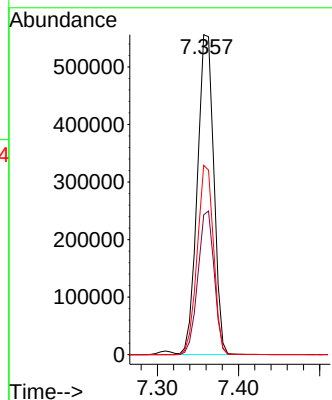
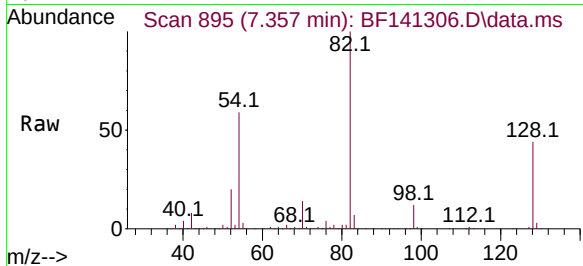




#23
Nitrobenzene-d5
Concen: 63.428 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

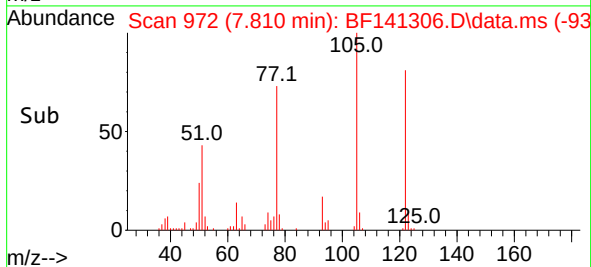
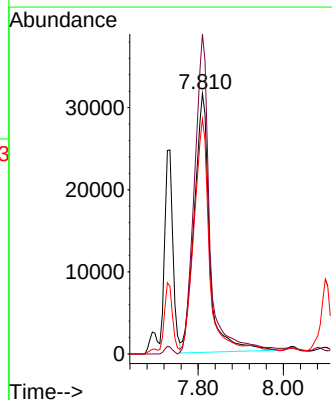
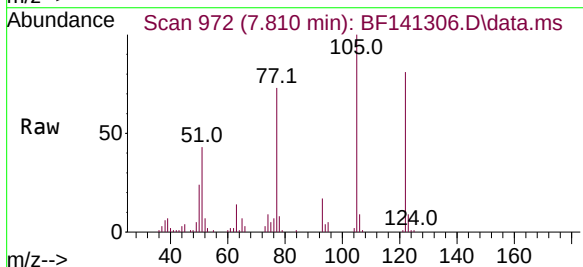
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ClientSampleId :
LOQ-SOIL-02-QT1-2025

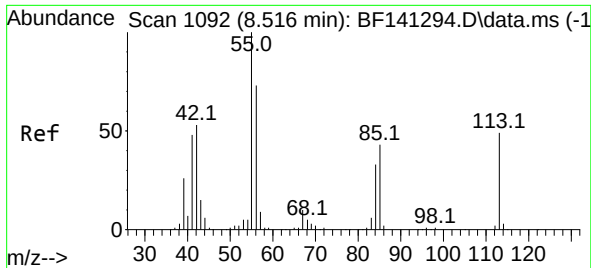
Tgt Ion: 82 Resp: 783425
Ion Ratio Lower Upper
82 100
128 43.7 35.7 53.5
54 59.1 47.1 70.7



#32
Benzoic acid
Concen: 11.199 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.071 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

Tgt Ion:122 Resp: 79101
Ion Ratio Lower Upper
122 100
105 122.8 103.4 143.4
77 90.2 70.9 110.9

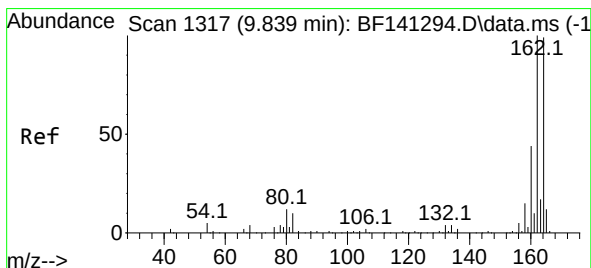
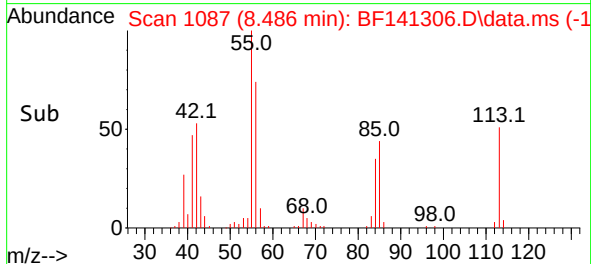
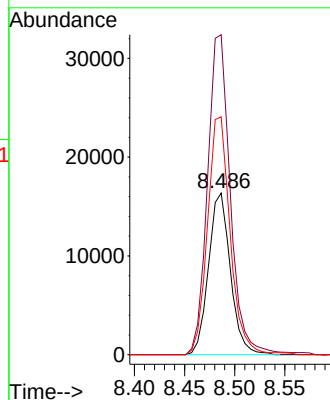
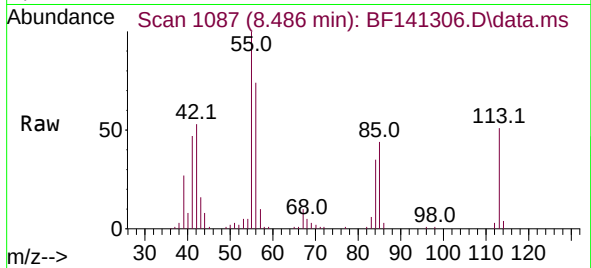




#35
 Caprolactam
 Concen: 8.090 ng
 RT: 8.486 min Scan# 1092
 Delta R.T. -0.059 min
 Lab File: BF141306.D
 Acq: 30 Jan 2025 11:55

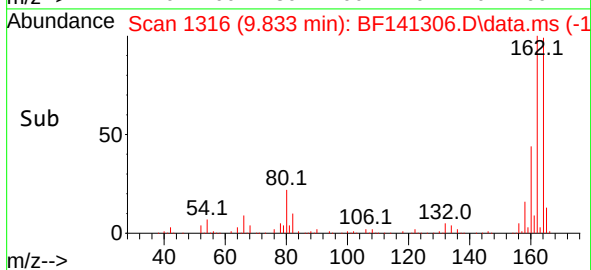
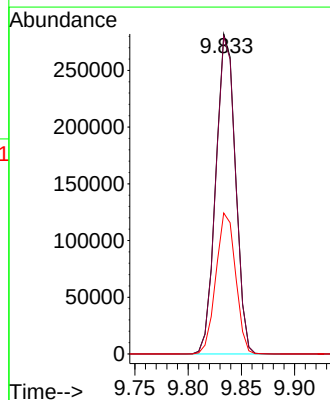
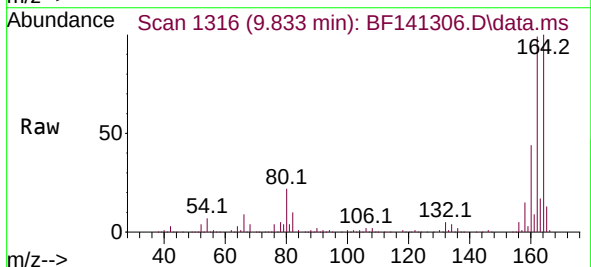
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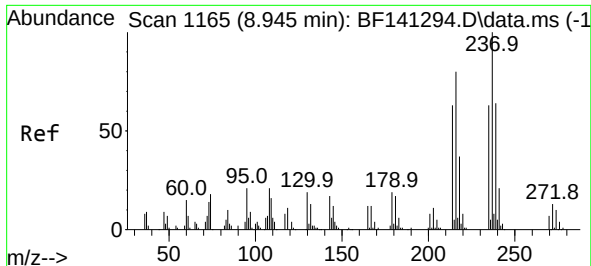
Tgt Ion:113 Resp: 24852
 Ion Ratio Lower Upper
 113 100
 55 198.0 182.9 222.9
 56 147.3 127.9 167.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.833 min Scan# 1316
 Delta R.T. -0.006 min
 Lab File: BF141306.D
 Acq: 30 Jan 2025 11:55

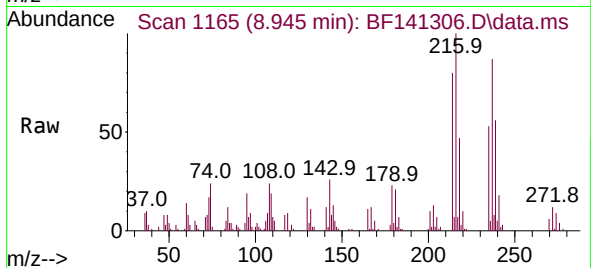
Tgt Ion:164 Resp: 360948
 Ion Ratio Lower Upper
 164 100
 162 99.2 80.6 121.0
 160 44.0 35.8 53.6



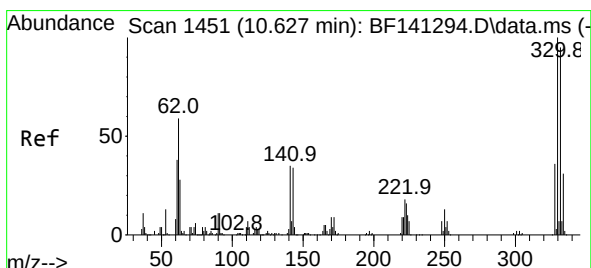
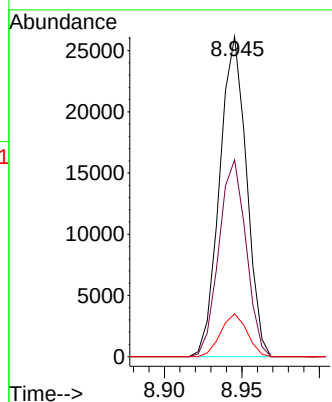
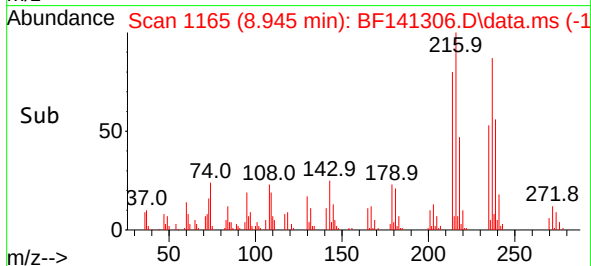


#41
Hexachlorocyclopentadiene
Concen: 10.389 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

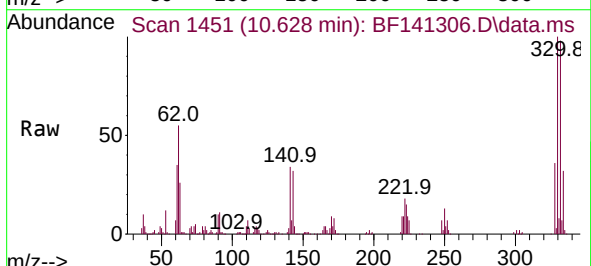
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



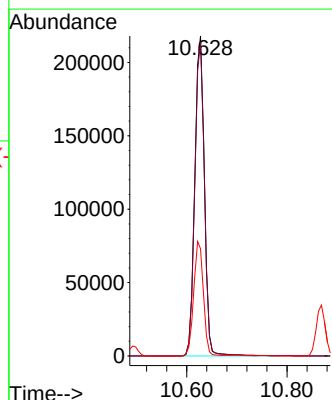
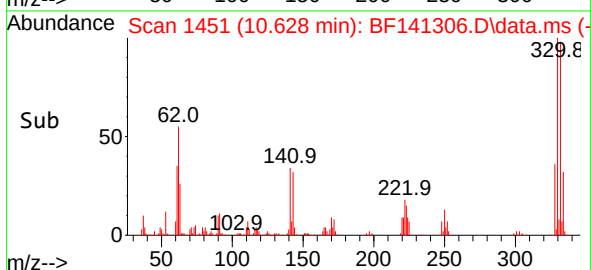
Tgt Ion:237 Resp: 31505
Ion Ratio Lower Upper
237 100
235 61.5 42.9 82.9
272 13.4 0.0 32.8

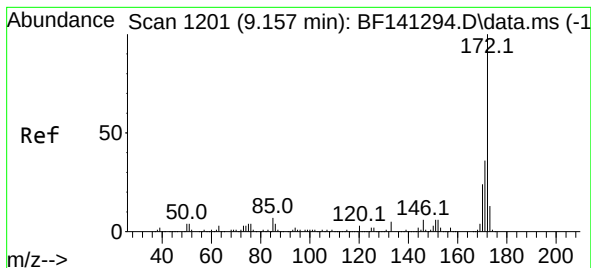


#42
2,4,6-Tribromophenol
Concen: 87.826 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55



Tgt Ion:330 Resp: 290623
Ion Ratio Lower Upper
330 100
332 97.8 76.1 114.1
141 35.9 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 59.979 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141306.D

Acq: 30 Jan 2025 11:55

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

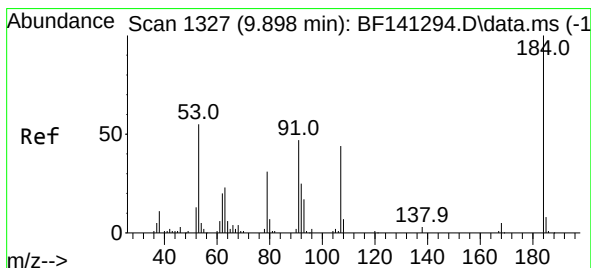
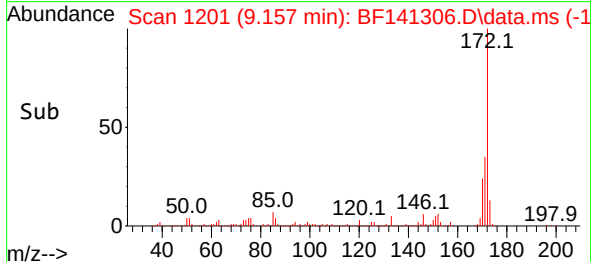
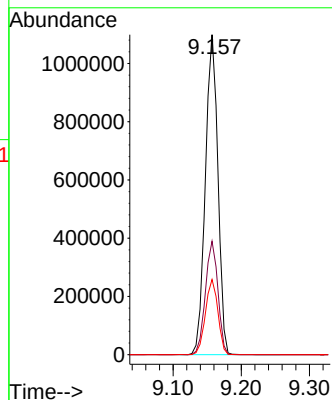
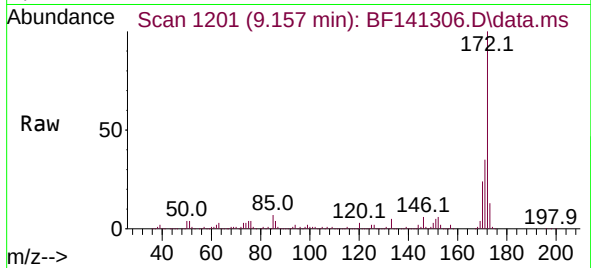
Tgt Ion:172 Resp: 1406531

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.5 19.0 28.6



#54

2,4-Dinitrophenol

Concen: 8.939 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141306.D

Acq: 30 Jan 2025 11:55

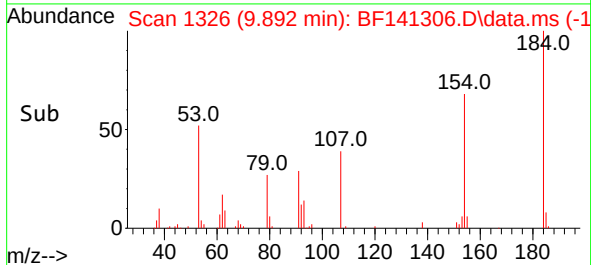
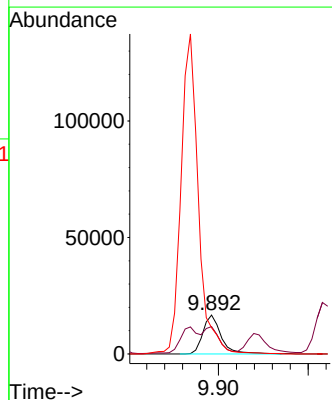
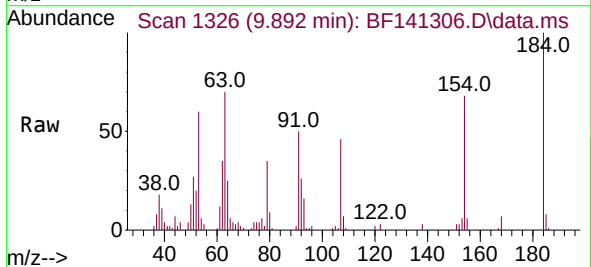
Tgt Ion:184 Resp: 23520

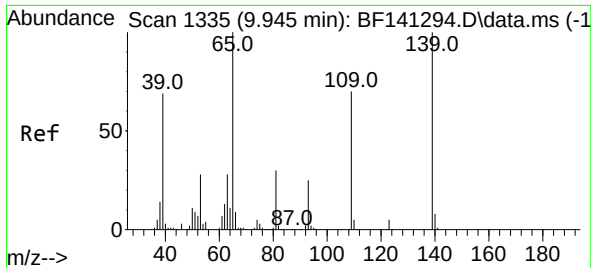
Ion Ratio Lower Upper

184 100

63 70.3 54.1 81.1

154 67.6 50.7 76.1

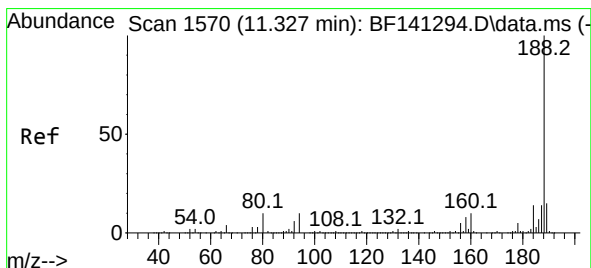
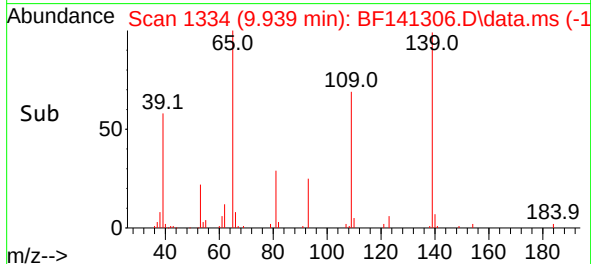
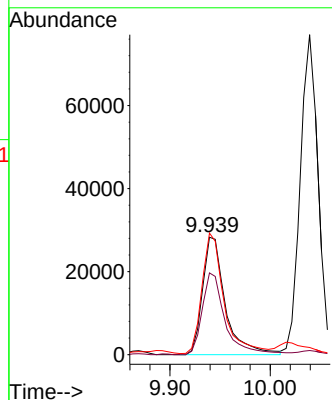
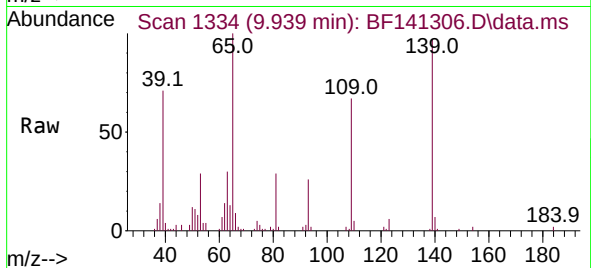




#56
4-Nitrophenol
Concen: 11.066 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

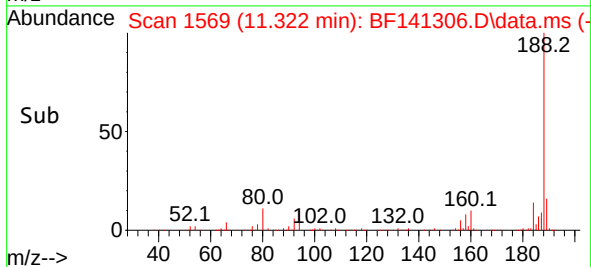
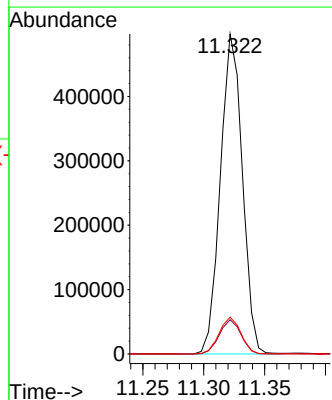
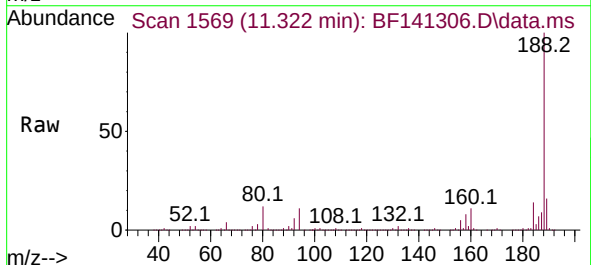
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

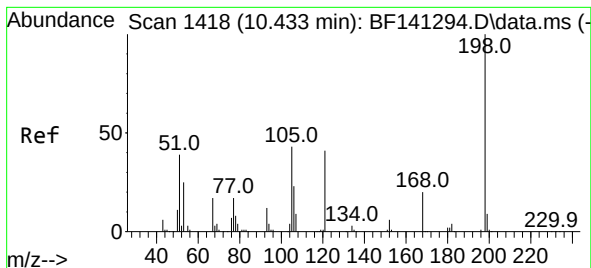
Tgt Ion:139 Resp: 44899
Ion Ratio Lower Upper
139 100
109 69.6 50.2 90.2
65 103.5 80.6 120.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

Tgt Ion:188 Resp: 624541
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.5 8.2 12.4

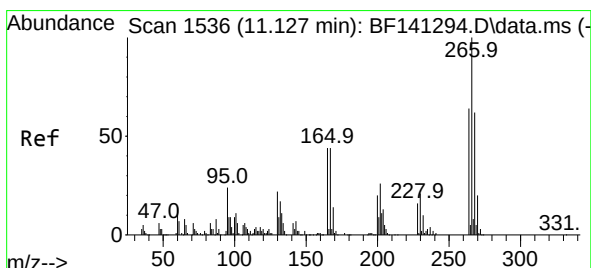
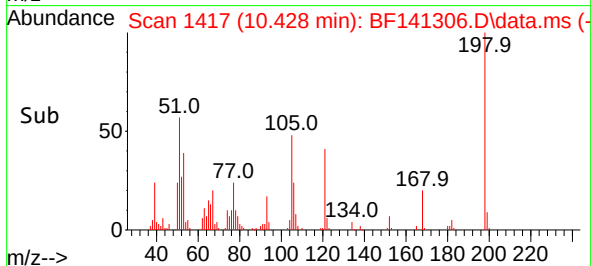
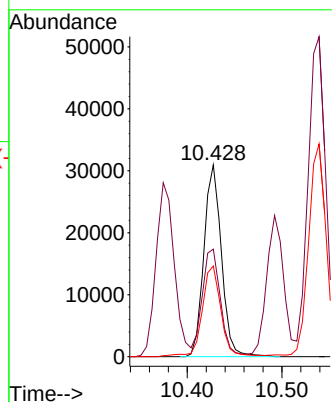
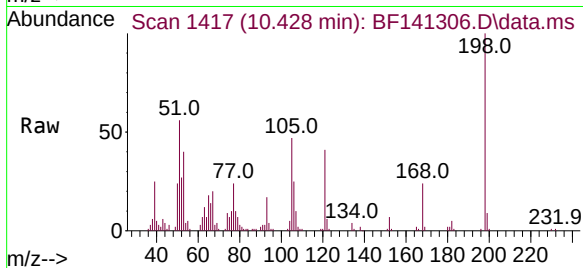




#65
4,6-Dinitro-2-methylphenol
Concen: 10.793 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

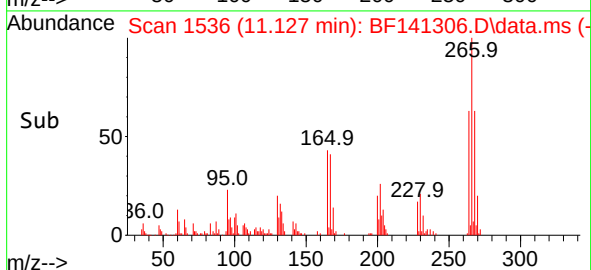
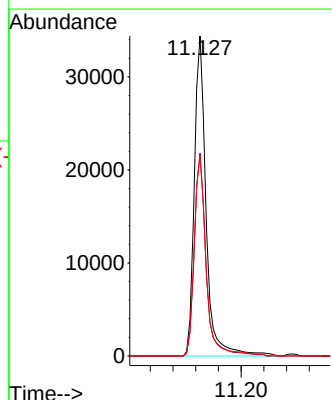
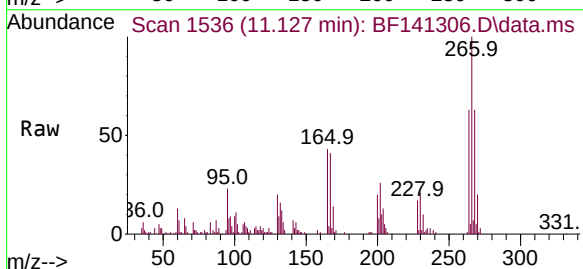
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

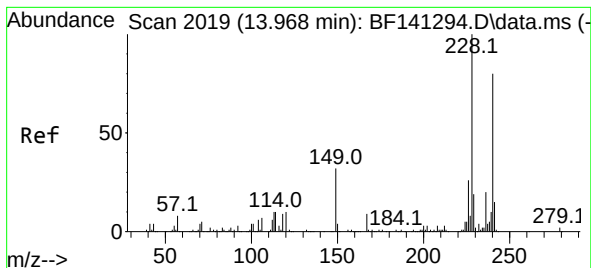
Tgt Ion:198 Resp: 39870
Ion Ratio Lower Upper
198 100
51 56.1 33.4 73.4
105 47.3 24.4 64.4



#70
Pentachlorophenol
Concen: 11.483 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141306.D
Acq: 30 Jan 2025 11:55

Tgt Ion:266 Resp: 49873
Ion Ratio Lower Upper
266 100
268 63.4 49.9 74.9
264 62.9 51.0 76.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141306.D

Acq: 30 Jan 2025 11:55

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

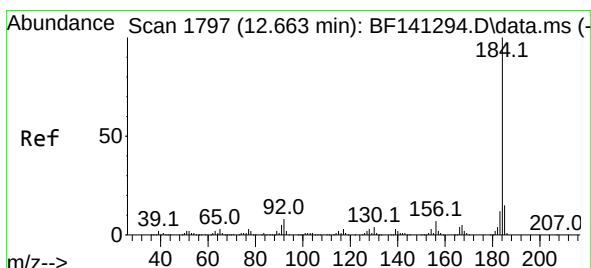
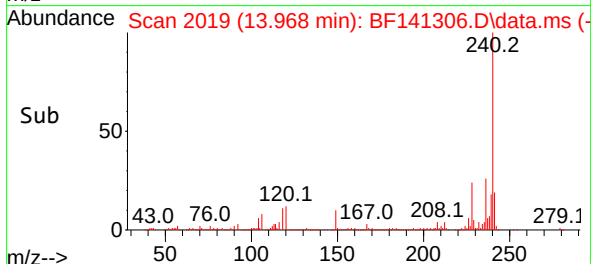
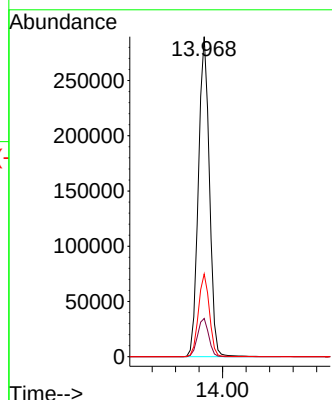
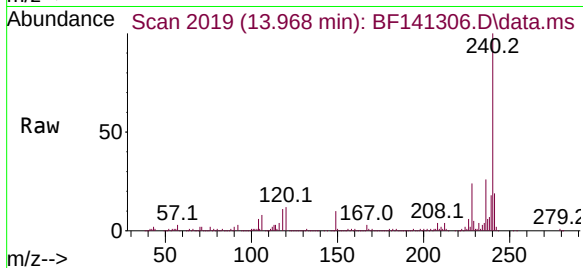
Tgt Ion:240 Resp: 375774

Ion Ratio Lower Upper

240 100

120 12.0 10.0 15.0

236 25.9 19.7 29.5



#77

Benzidine

Concen: 7.217 ng

RT: 12.663 min Scan# 1797

Delta R.T. -0.000 min

Lab File: BF141306.D

Acq: 30 Jan 2025 11:55

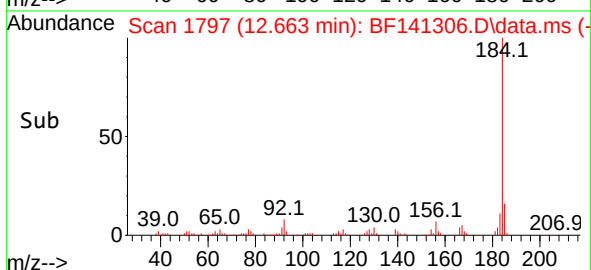
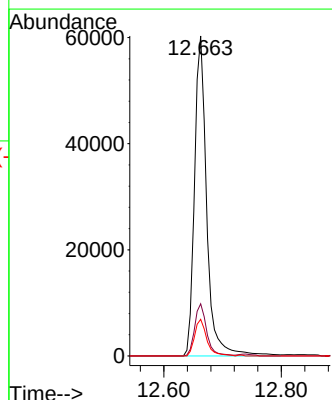
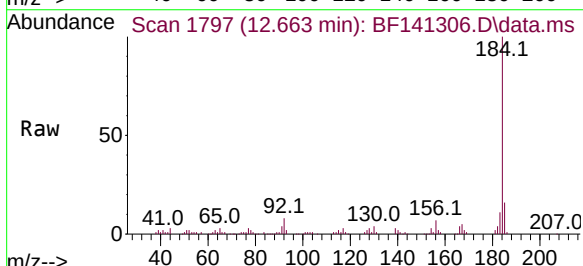
Tgt Ion:184 Resp: 86938

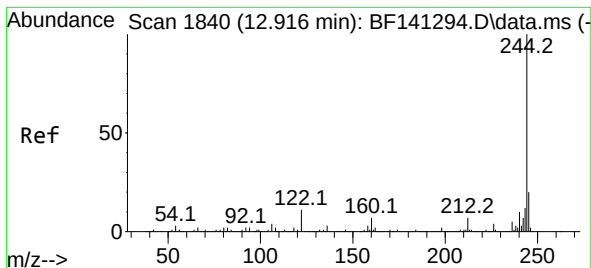
Ion Ratio Lower Upper

184 100

185 16.3 11.9 17.9

183 11.5 9.5 14.3





#79

Terphenyl-d14

Concen: 58.174 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.000 min

Lab File: BF141306.D

Acq: 30 Jan 2025 11:55

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

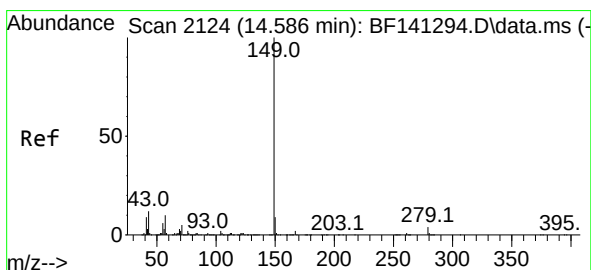
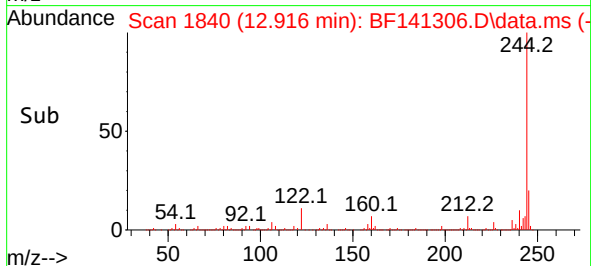
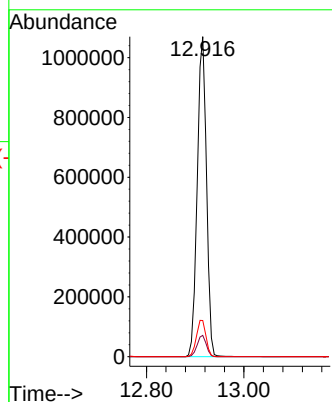
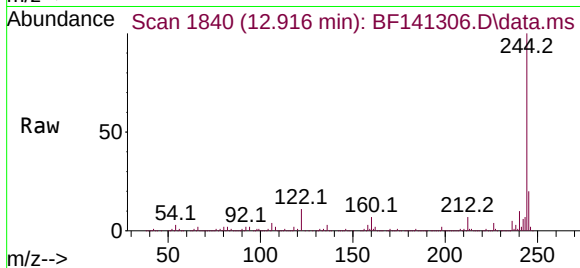
Tgt Ion:244 Resp: 1417480

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 11.3 8.8 13.2



#85

Di-n-octyl phthalate

Concen: 7.829 ng

RT: 14.586 min Scan# 2124

Delta R.T. -0.000 min

Lab File: BF141306.D

Acq: 30 Jan 2025 11:55

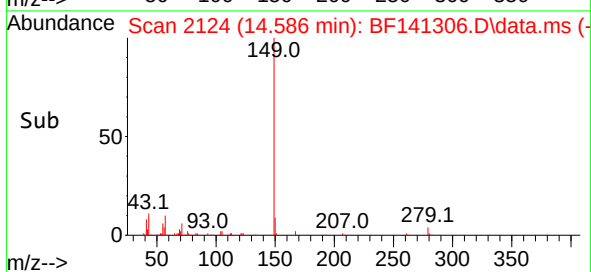
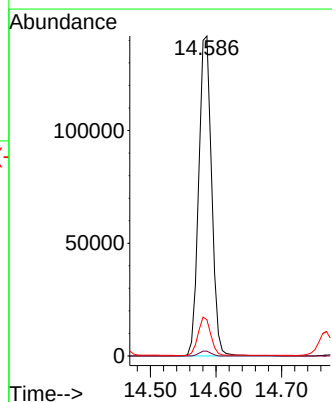
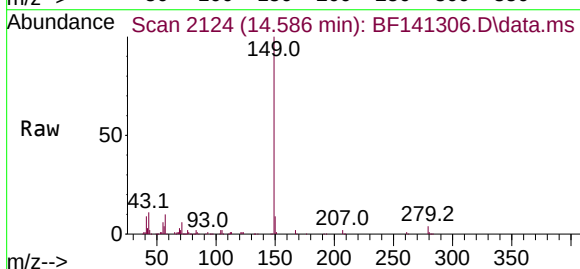
Tgt Ion:149 Resp: 194383

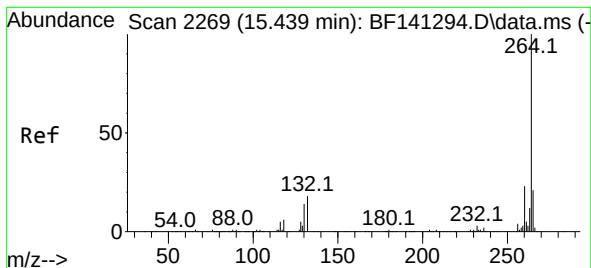
Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

43 12.0 9.8 14.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141306.D

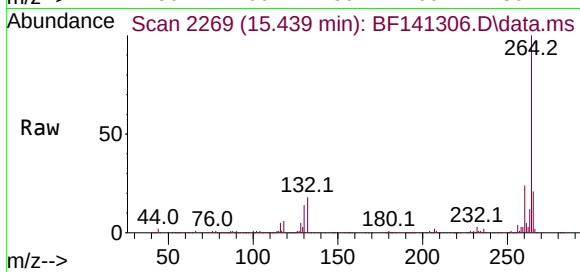
Acq: 30 Jan 2025 11:55

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:264 Resp: 333683

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.0 16.7 25.1

