

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	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	382520	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	207939	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	362605	20.000	ng	0.00
76) Chrysene-d12	14.063	240	225679	20.000	ng	0.00
86) Perylene-d12	15.545	264	253078	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	745343	120.518	ng	0.01
7) Phenol-d6	6.504	99	822546	111.582	ng	-0.01
23) Nitrobenzene-d5	7.440	82	593353	94.241	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	306193	147.840	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1124391	85.800	ng	-0.01
79) Terphenyl-d14	13.004	244	1252864	94.880	ng	0.00

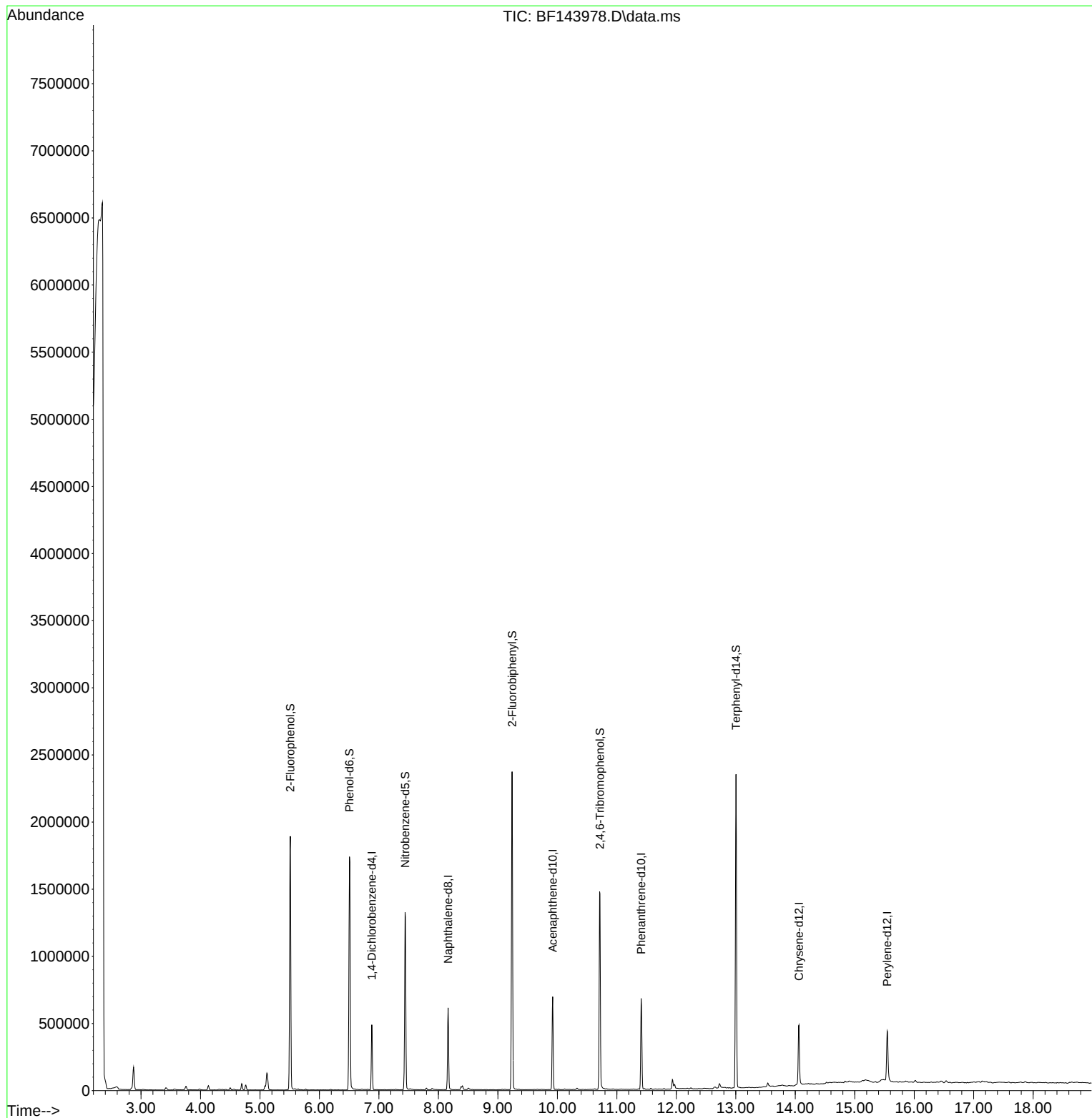
Target Compounds	Qvalue

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

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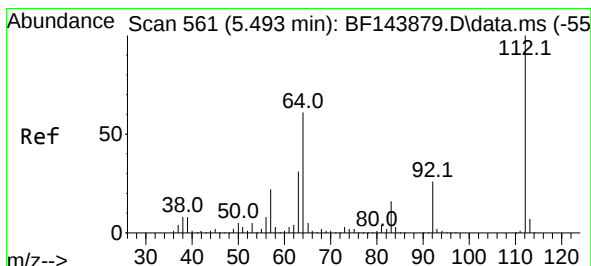
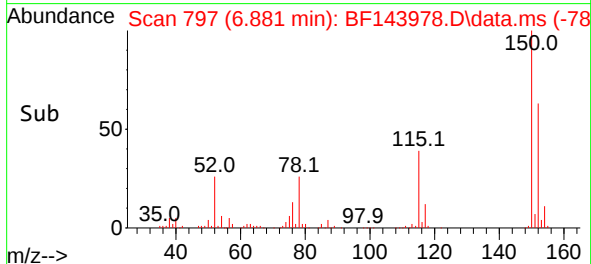
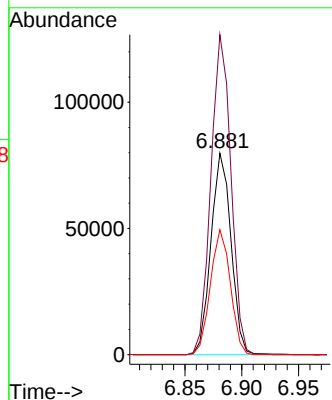
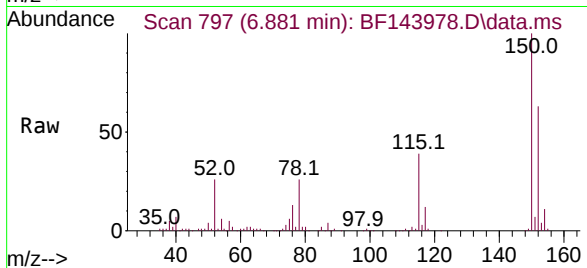




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

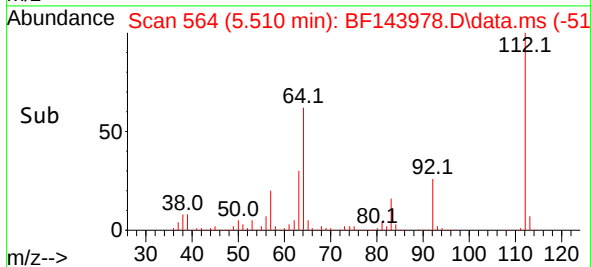
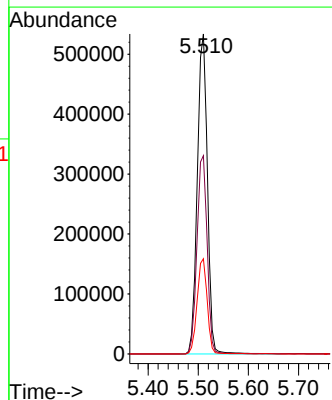
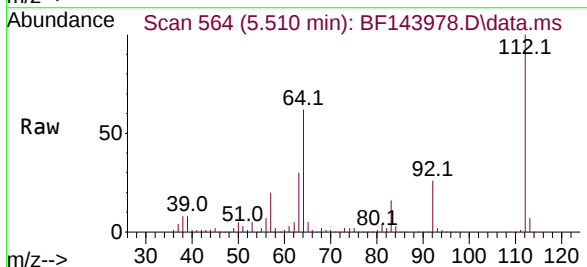
Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

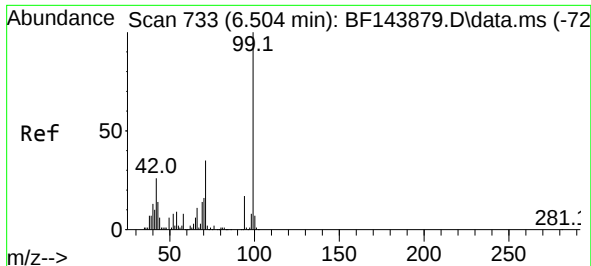
Tgt Ion:152 Resp: 98209
Ion Ratio Lower Upper
152 100
150 158.9 124.4 186.6
115 62.0 48.1 72.1



#5
2-Fluorophenol
Concen: 120.518 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

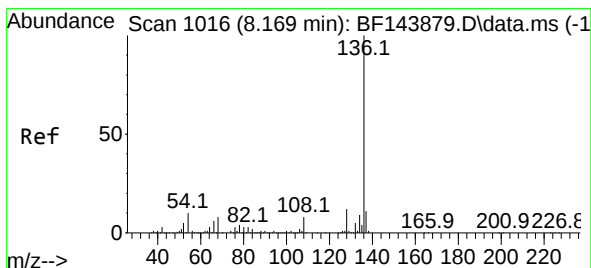
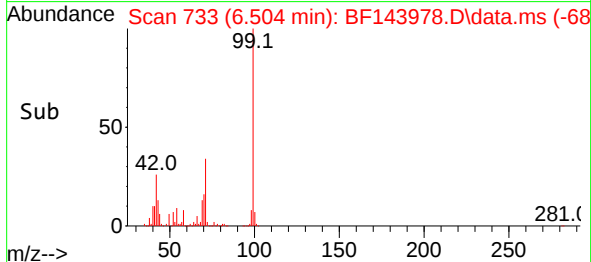
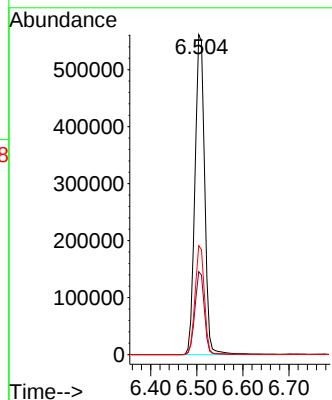
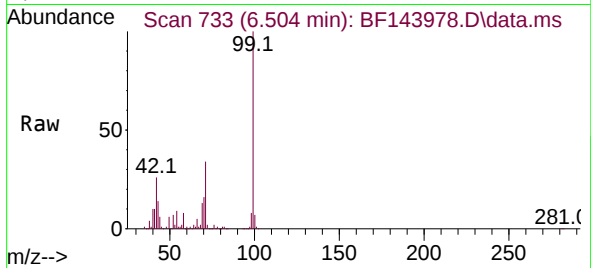




#7
Phenol-d6
Concen: 111.582 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

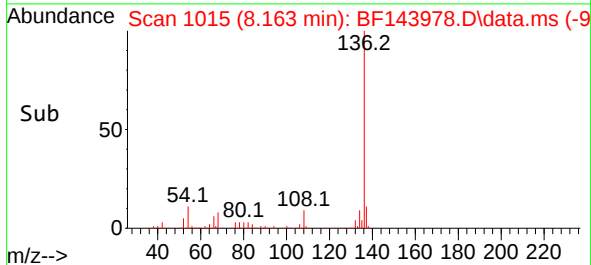
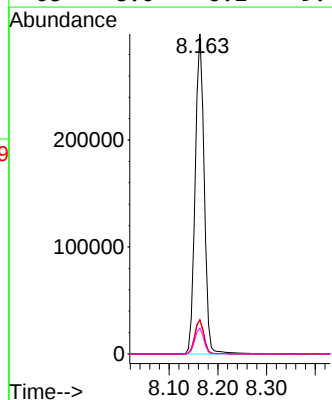
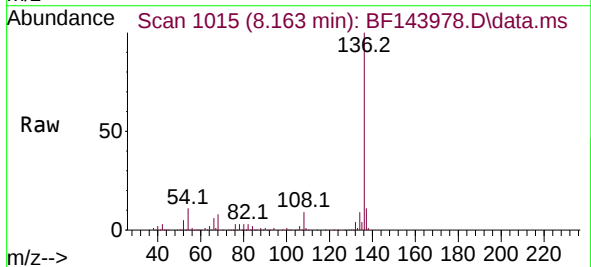
Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

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



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

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

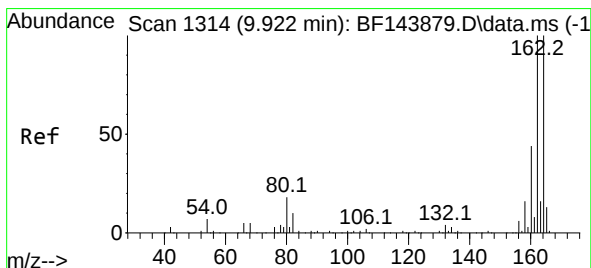
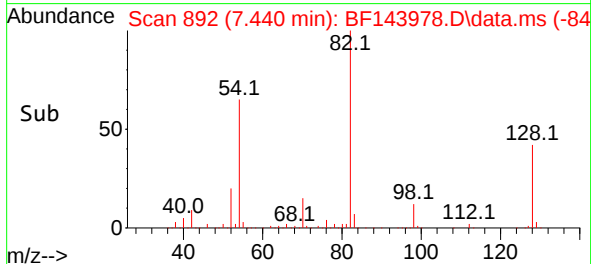
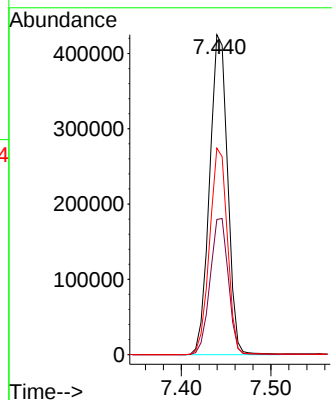
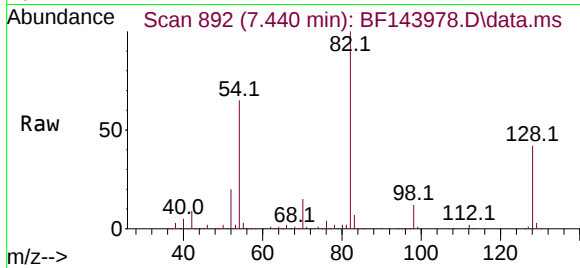




#23
Nitrobenzene-d5
Concen: 94.241 ng
RT: 7.440 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

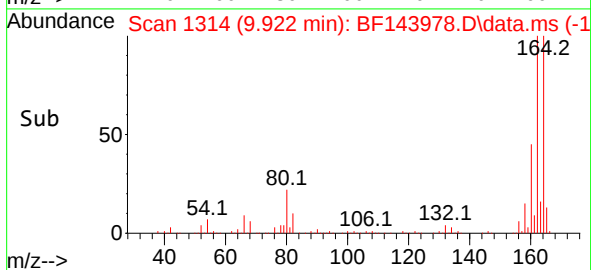
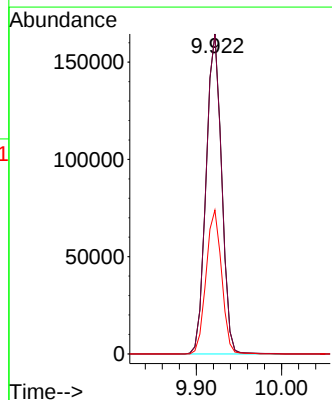
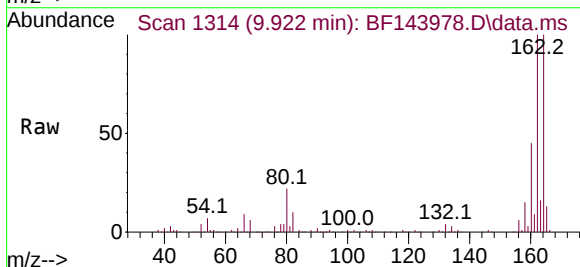
Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

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



#39
Acenaphthene-d10
Concen: 20.000 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: 147.840 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143978.D

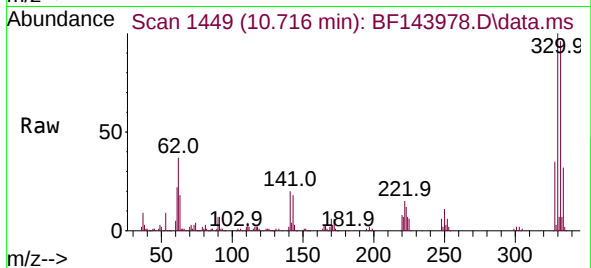
Acq: 16 Oct 2025 14:42

Instrument :

BNA_F

ClientSampleId :

TANK-FARM-SOIL



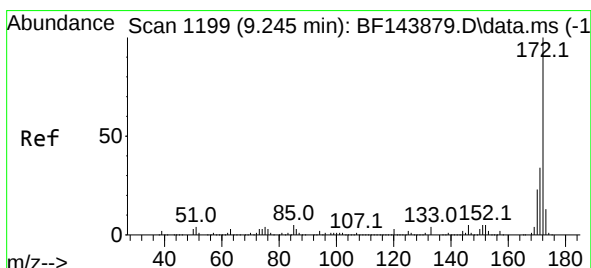
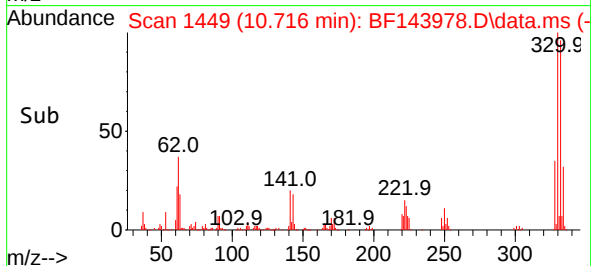
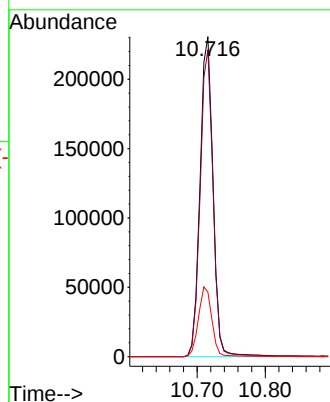
Tgt Ion:330 Resp: 306193

Ion Ratio Lower Upper

330 100

332 95.2 76.9 115.3

141 22.5 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 85.800 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143978.D

Acq: 16 Oct 2025 14:42

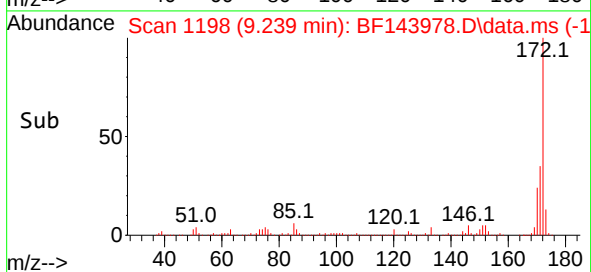
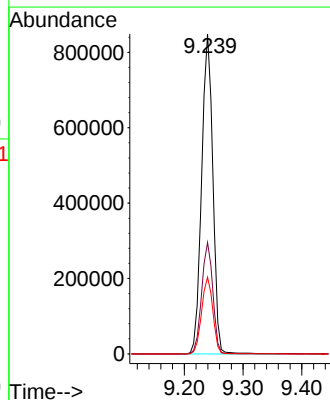
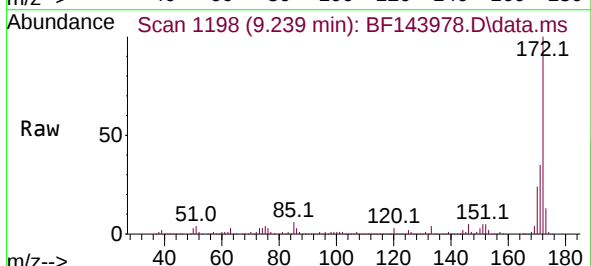
Tgt Ion:172 Resp: 1124391

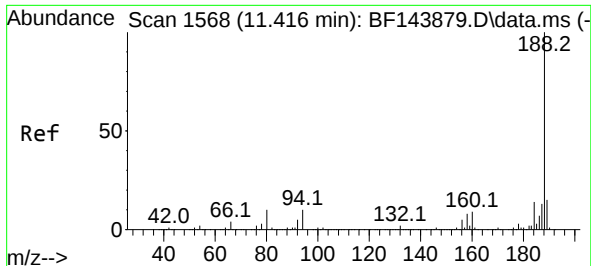
Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 24.0 18.6 28.0

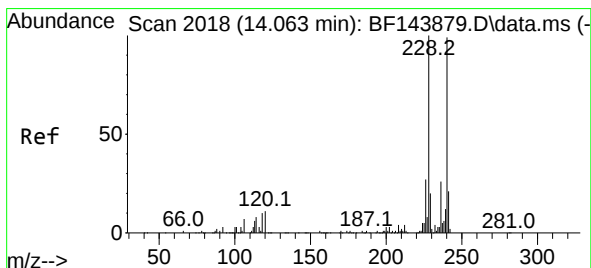
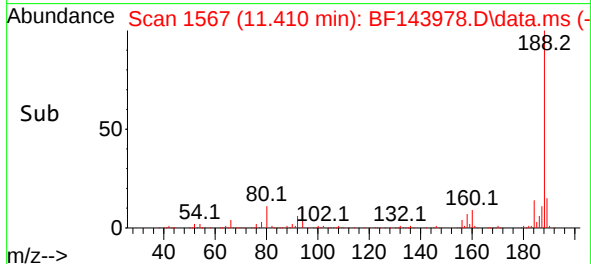
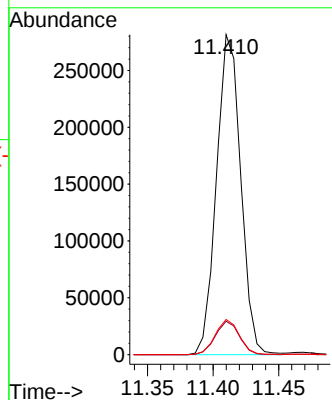
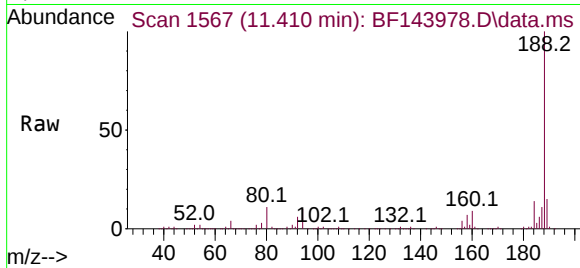




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

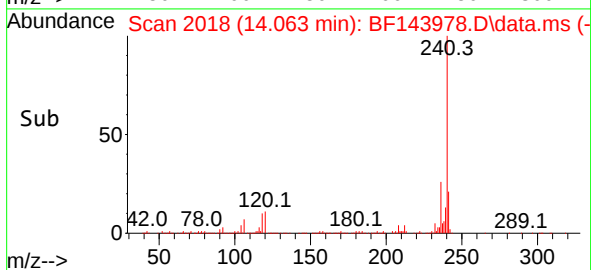
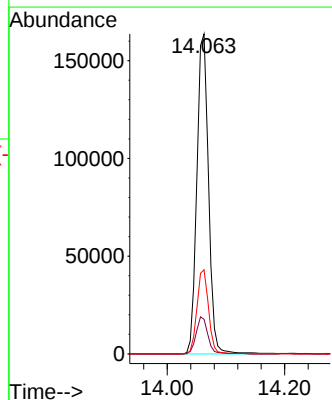
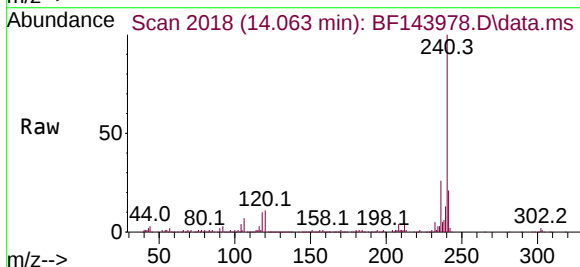
Instrument :
BNA_F
ClientSampleId :
TANK-FARM-SOIL

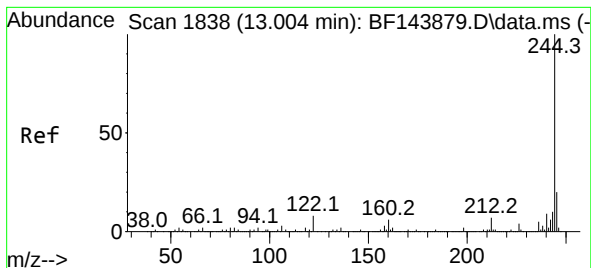
Tgt Ion:188 Resp: 362605
Ion Ratio Lower Upper
188 100
94 10.4 7.8 11.6
80 11.0 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143978.D
Acq: 16 Oct 2025 14:42

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: 94.880 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143978.D

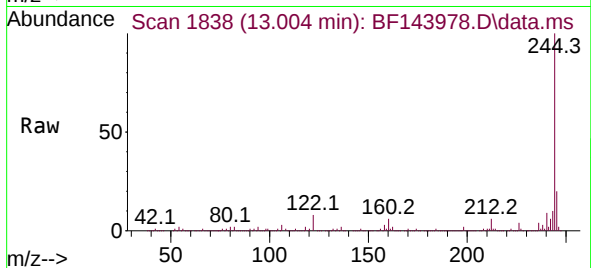
Acq: 16 Oct 2025 14:42

Instrument :

BNA_F

ClientSampleId :

TANK-FARM-SOIL



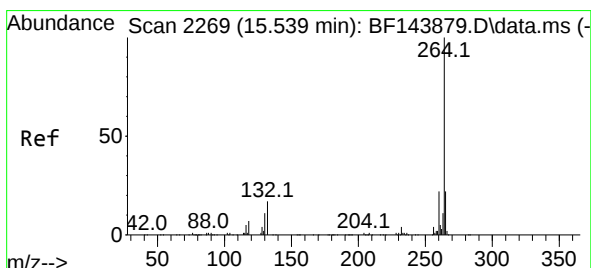
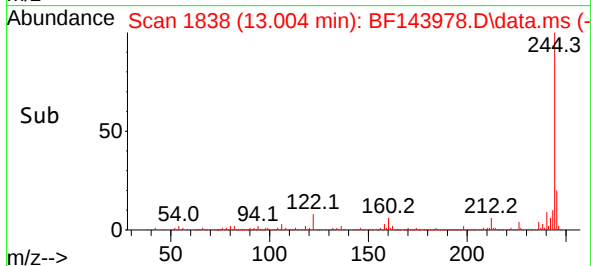
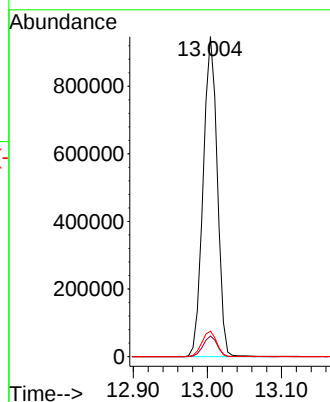
Tgt Ion:244 Resp: 1252864

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 7.9 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF143978.D

Acq: 16 Oct 2025 14:42

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

