

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101625\
 Data File : BF143979.D
 Acq On : 16 Oct 2025 15:11
 Operator : RC/JU
 Sample : Q3345-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2ND-STREET-SOIL

Quant Time: Oct 16 16:21:00 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	99929	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	392146	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	215794	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	377581	20.000	ng	0.00
76) Chrysene-d12	14.063	240	230751	20.000	ng	0.00
86) Perylene-d12	15.551	264	242130	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	766053	121.735	ng	0.01
7) Phenol-d6	6.504	99	836913	111.577	ng	-0.01
23) Nitrobenzene-d5	7.439	82	610885	94.644	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	311374	144.869	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1140377	83.852	ng	-0.01
79) Terphenyl-d14	13.004	244	1314944	97.392	ng	0.00

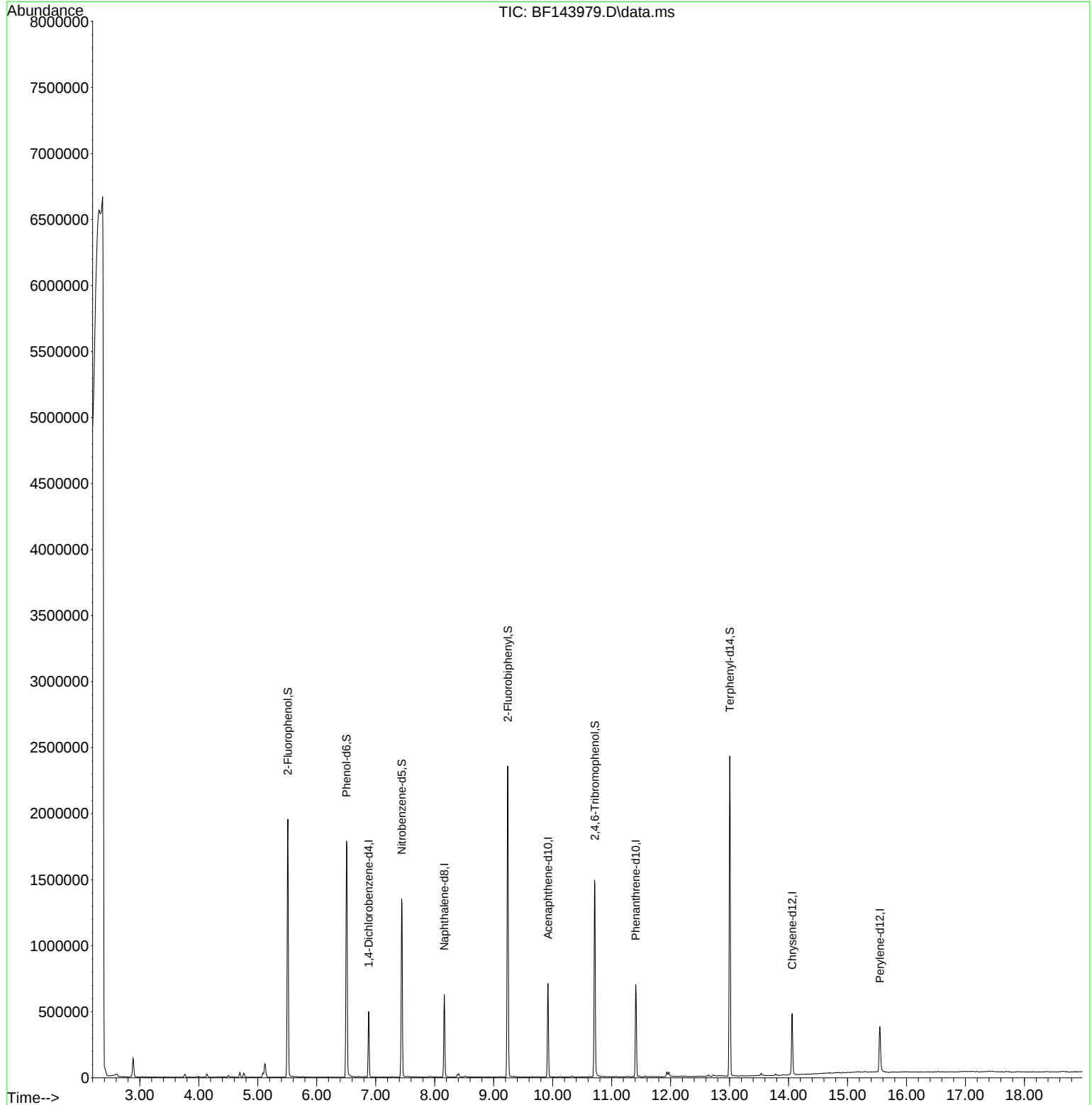
Target Compounds	Qvalue

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

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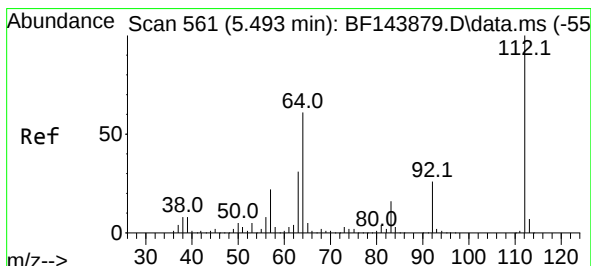
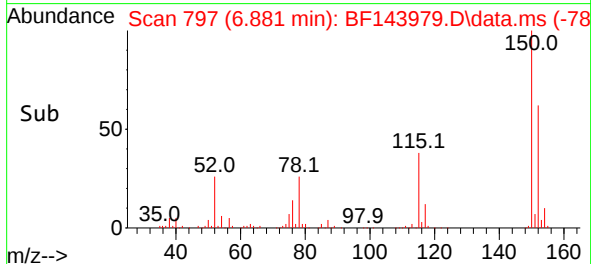
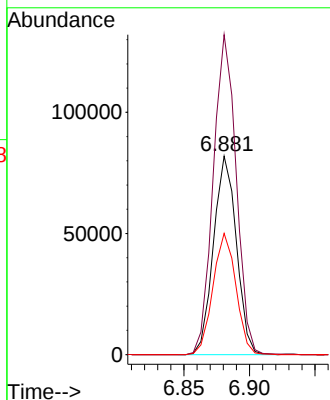
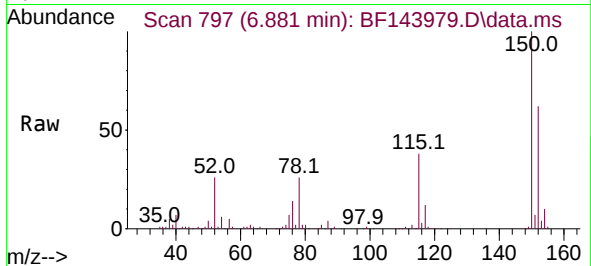




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF143979.D
 Acq: 16 Oct 2025 15:11

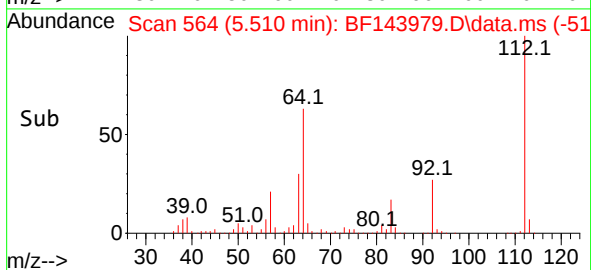
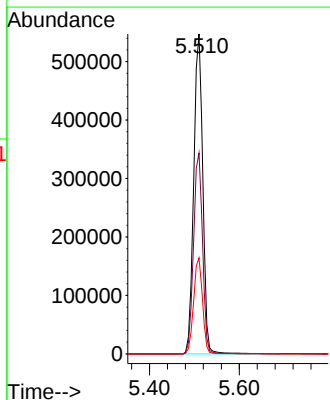
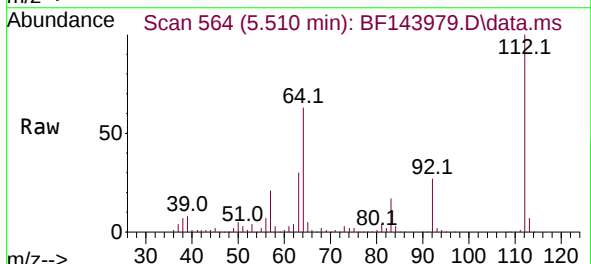
Instrument :
 BNA_F
 ClientSampleId :
 2ND-STREET-SOIL

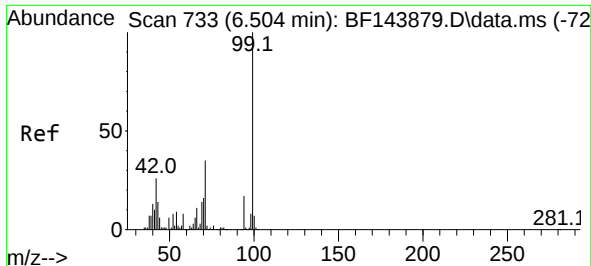
Tgt Ion:152 Resp: 99929
 Ion Ratio Lower Upper
 152 100
 150 161.2 124.4 186.6
 115 61.0 48.1 72.1



#5
 2-Fluorophenol
 Concen: 121.735 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: BF143979.D
 Acq: 16 Oct 2025 15:11

Tgt Ion:112 Resp: 766053
 Ion Ratio Lower Upper
 112 100
 64 62.8 49.1 73.7
 63 30.0 24.5 36.7

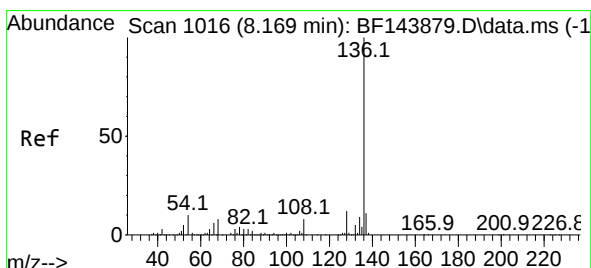
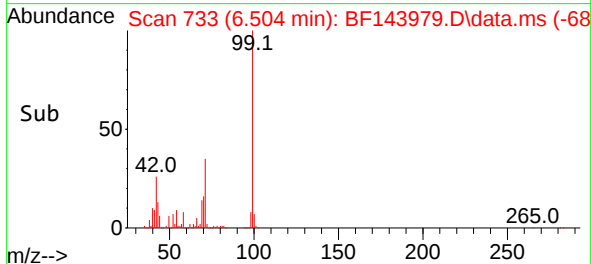
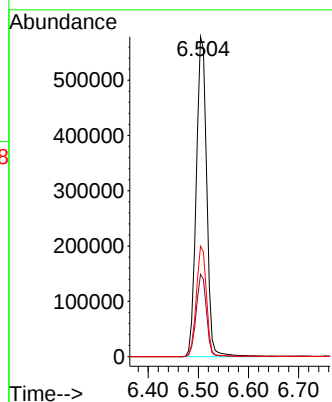
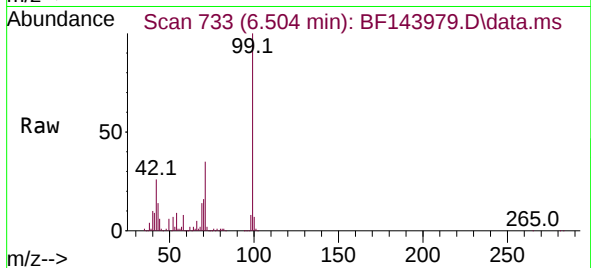




#7
Phenol-d6
Concen: 111.577 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143979.D
Acq: 16 Oct 2025 15:11

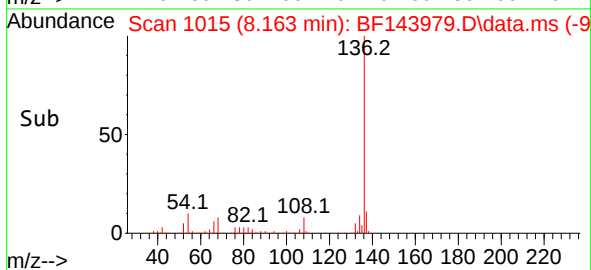
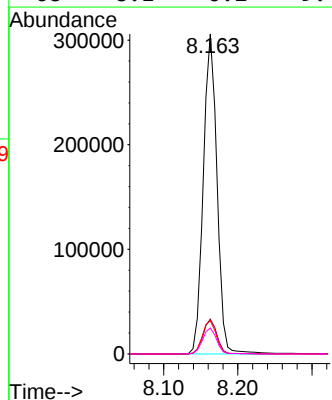
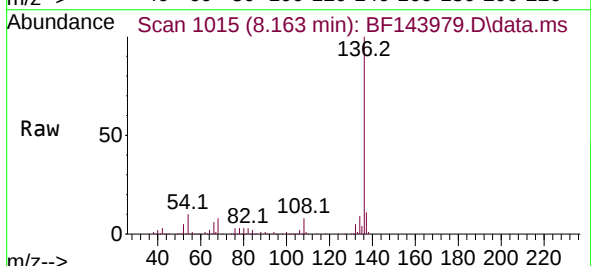
Instrument :
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ClientSampleId :
2ND-STREET-SOIL

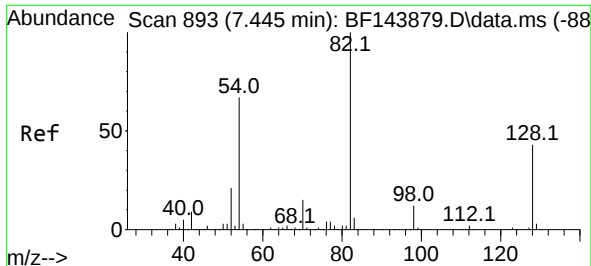
Tgt Ion: 99 Resp: 836913
Ion Ratio Lower Upper
99 100
42 25.7 21.0 31.4
71 34.6 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143979.D
Acq: 16 Oct 2025 15:11

Tgt Ion:136 Resp: 392146
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.5 8.2 12.4
68 8.1 6.2 9.4

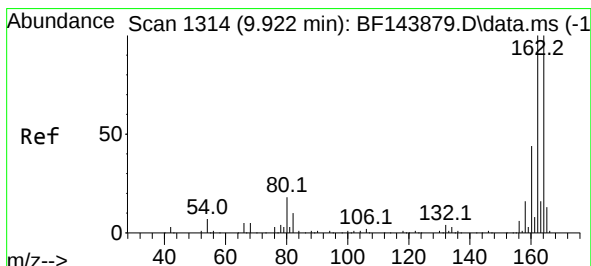
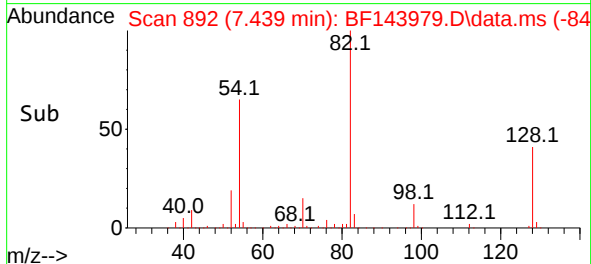
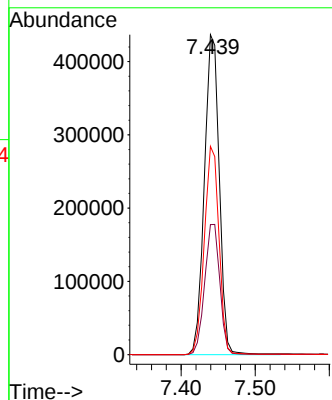
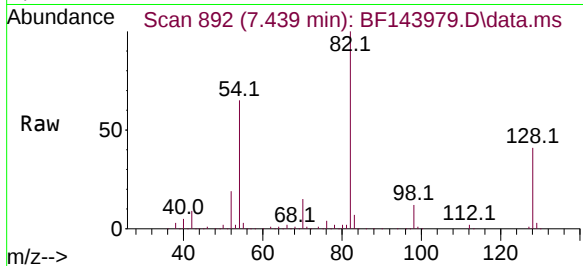




#23
Nitrobenzene-d5
Concen: 94.644 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF143979.D
Acq: 16 Oct 2025 15:11

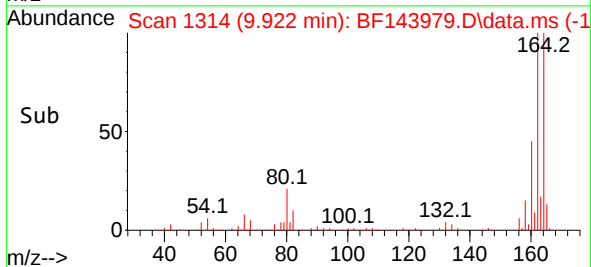
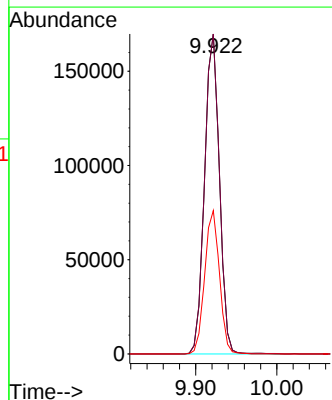
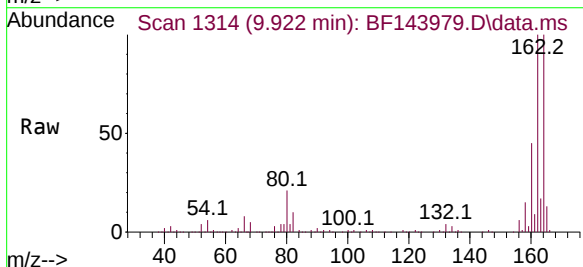
Instrument :
BNA_F
ClientSampleId :
2ND-STREET-SOIL

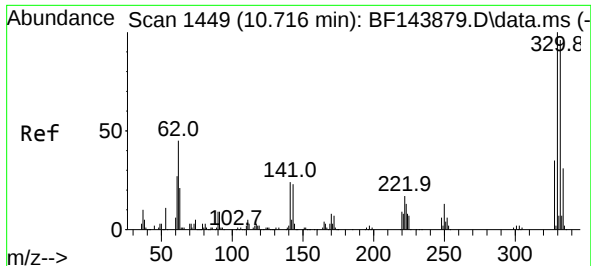
Tgt Ion: 82 Resp: 610885
Ion Ratio Lower Upper
82 100
128 40.6 34.0 51.0
54 65.1 53.2 79.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143979.D
Acq: 16 Oct 2025 15:11

Tgt Ion:164 Resp: 215794
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.2
160 44.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 144.869 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143979.D

Acq: 16 Oct 2025 15:11

Instrument :

BNA_F

ClientSampleId :

2ND-STREET-SOIL

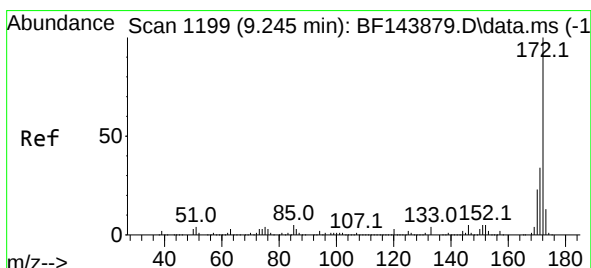
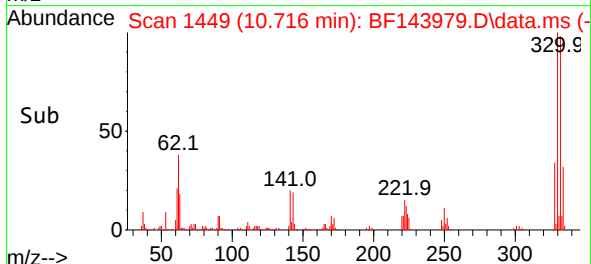
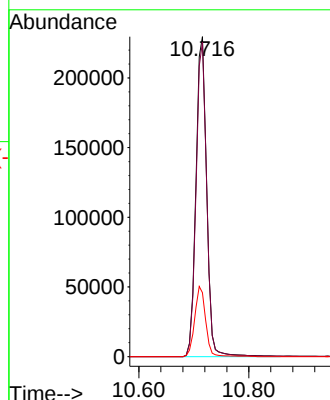
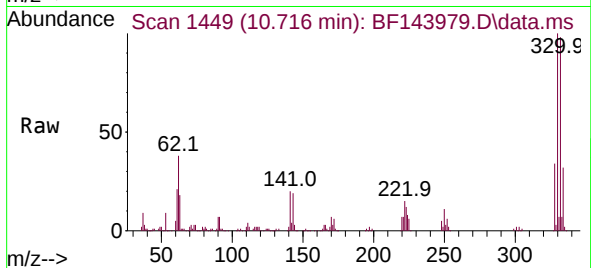
Tgt Ion:330 Resp: 311374

Ion Ratio Lower Upper

330 100

332 97.5 76.9 115.3

141 22.4 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 83.852 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143979.D

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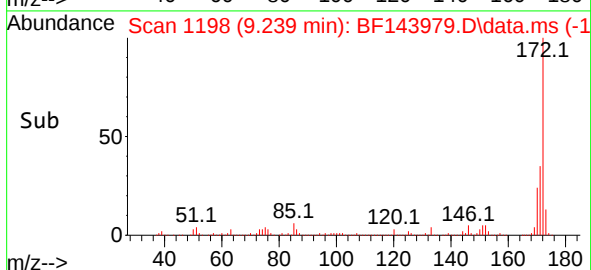
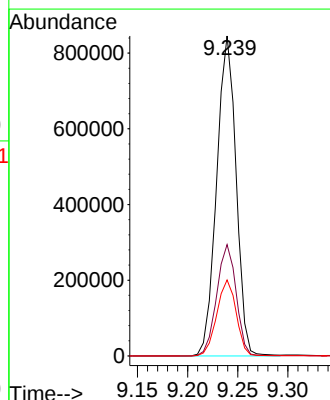
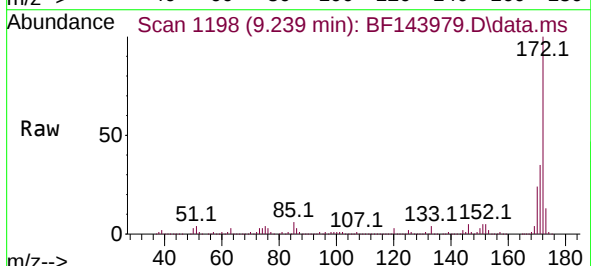
Tgt Ion:172 Resp: 1140377

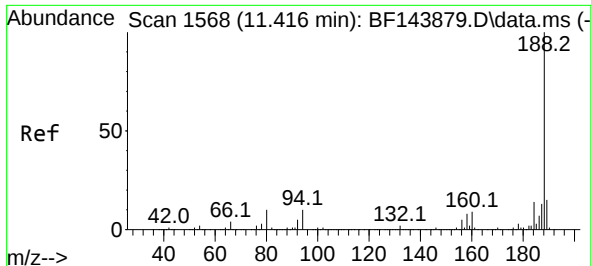
Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 23.7 18.6 28.0

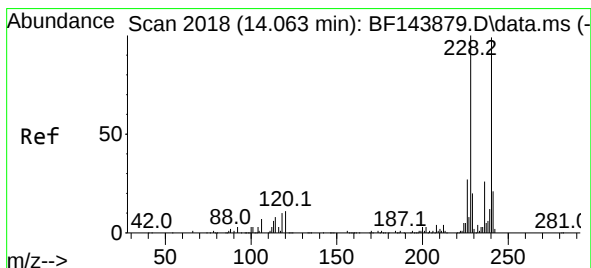
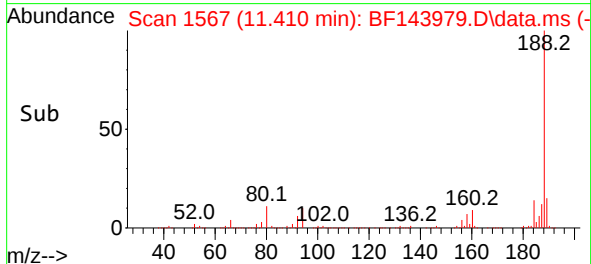
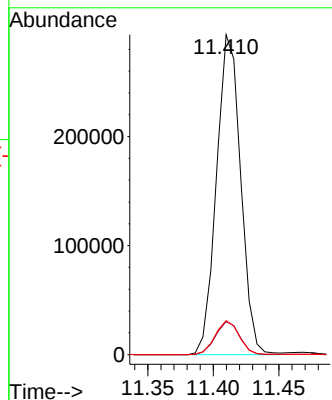
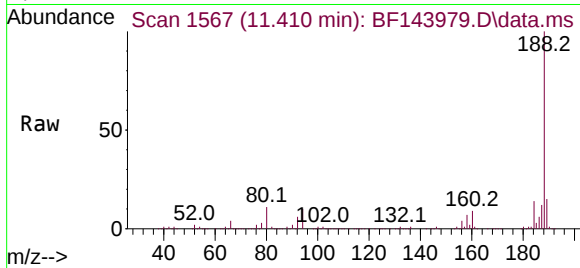




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143979.D
Acq: 16 Oct 2025 15:11

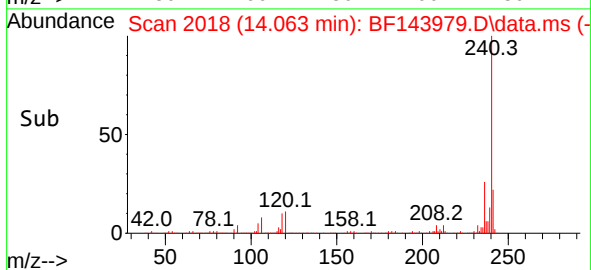
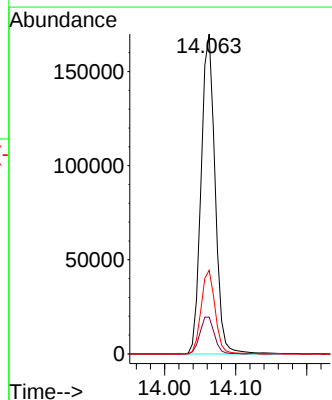
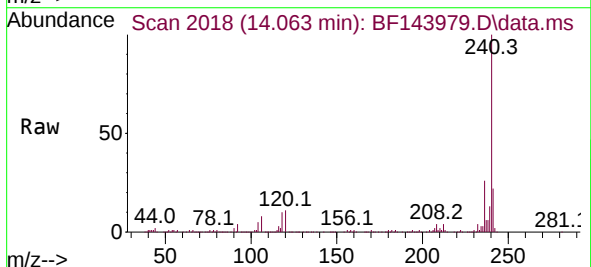
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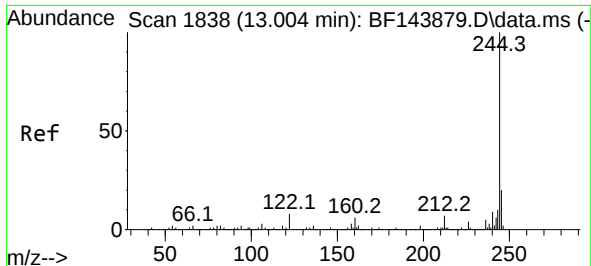
Tgt Ion:188 Resp: 377581
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 10.6 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143979.D
Acq: 16 Oct 2025 15:11

Tgt Ion:240 Resp: 230751
Ion Ratio Lower Upper
240 100
120 11.5 8.6 13.0
236 26.1 21.1 31.7

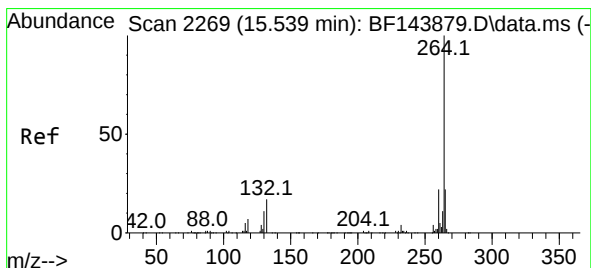
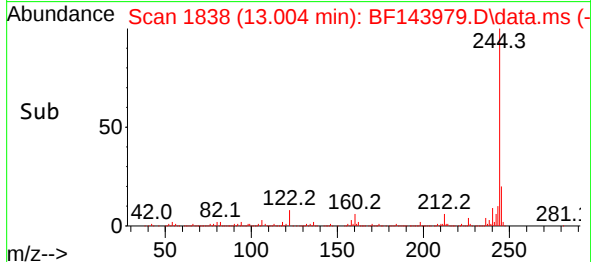
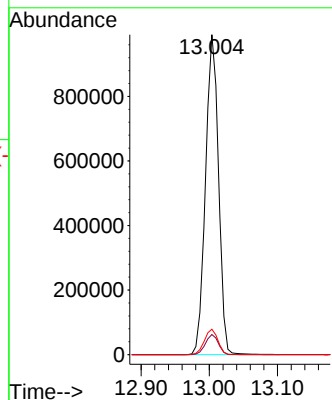
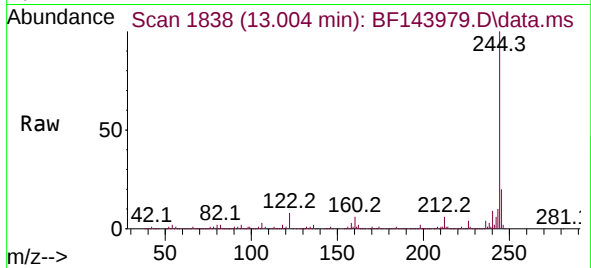




#79
 Terphenyl-d14
 Concen: 97.392 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF143979.D
 Acq: 16 Oct 2025 15:11

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:244 Resp: 1314944
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 7.9 6.4 9.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2271
 Delta R.T. 0.006 min
 Lab File: BF143979.D
 Acq: 16 Oct 2025 15:11

Tgt Ion:264 Resp: 242130
 Ion Ratio Lower Upper
 264 100
 260 21.4 17.8 26.8
 265 21.4 17.5 26.3

