

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142332.D
 Acq On : 12 May 2025 21:02
 Operator : RC/JU
 Sample : Q2004-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCK

Quant Time: May 13 01:05:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	205545	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	771721	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	405762	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	652605	20.000	ng	0.00
76) Chrysene-d12	14.063	240	398248	20.000	ng	0.00
86) Perylene-d12	15.557	264	316337	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1371782	113.928	ng	0.02
7) Phenol-d6	6.522	99	1529791	103.300	ng	0.00
23) Nitrobenzene-d5	7.463	82	1025396	81.034	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	497006	126.866	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2142607	75.293	ng	0.00
79) Terphenyl-d14	13.016	244	1968216	73.150	ng	0.00

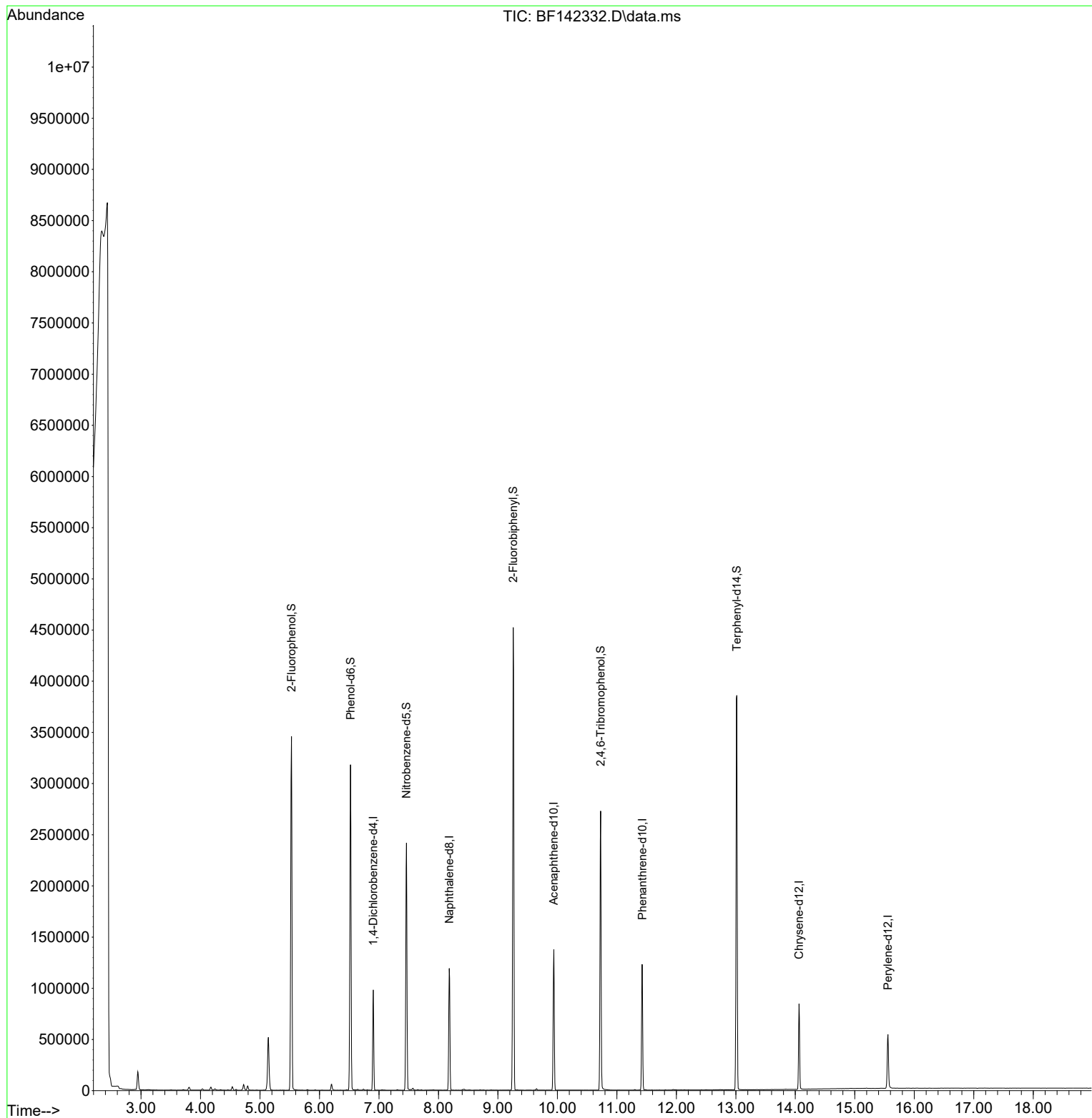
Target Compounds	Qvalue

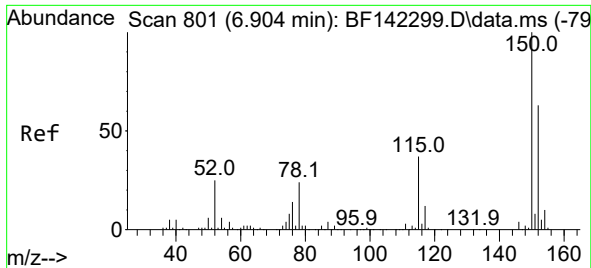
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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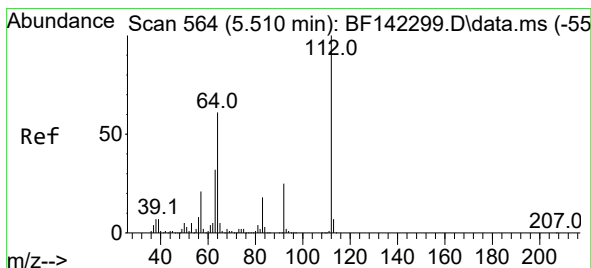
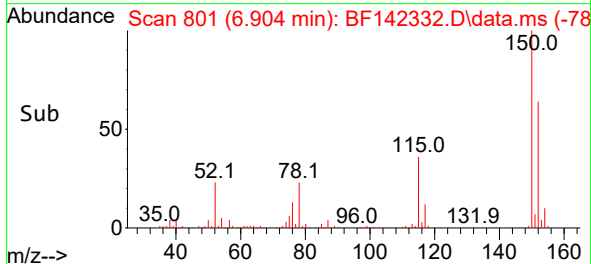
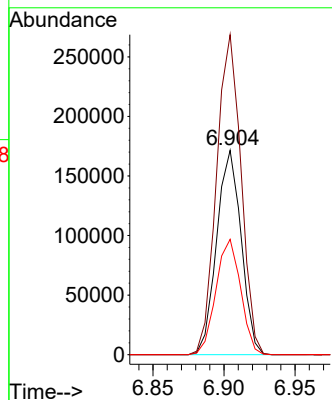
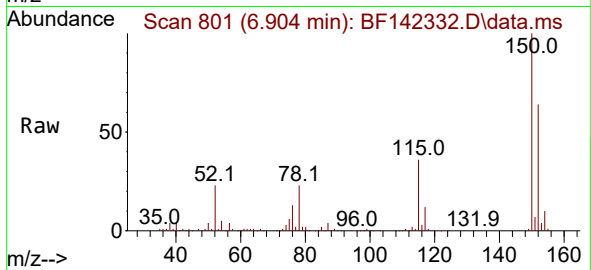




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

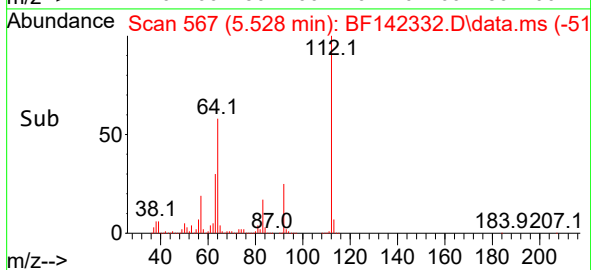
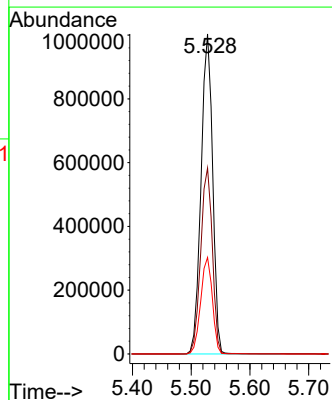
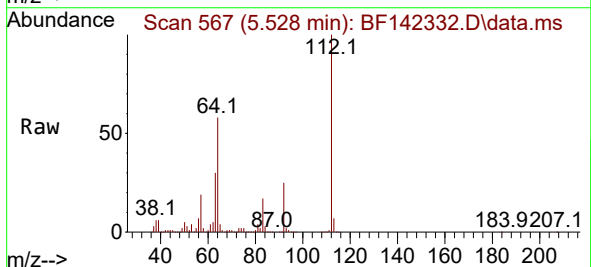
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

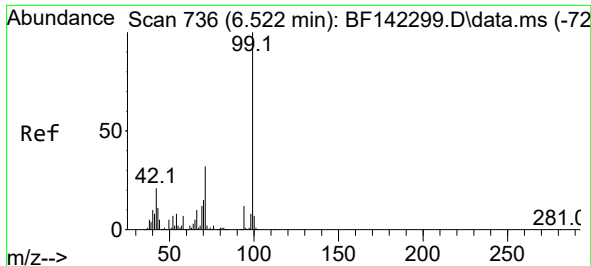
Tgt Ion:152 Resp: 205545
Ion Ratio Lower Upper
152 100
150 156.6 126.6 190.0
115 56.5 47.3 70.9



#5
2-Fluorophenol
Concen: 113.928 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion:112 Resp: 1371782
Ion Ratio Lower Upper
112 100
64 58.1 48.9 73.3
63 30.2 25.6 38.4



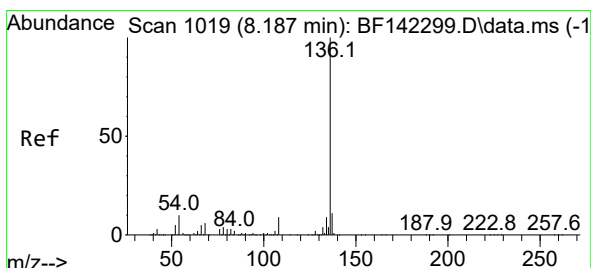
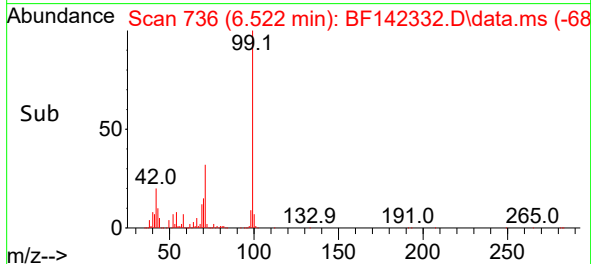
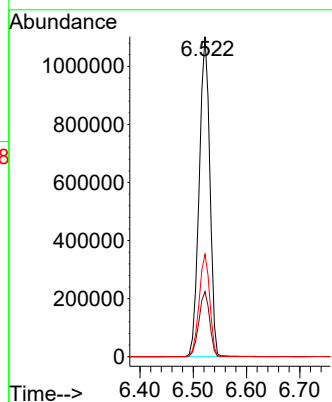
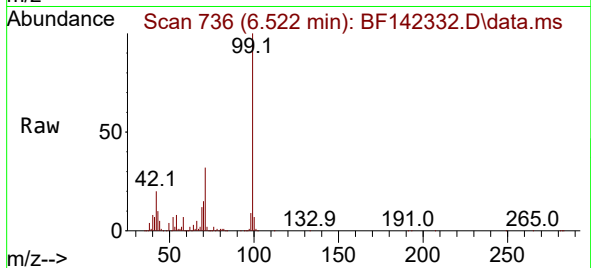


#7
Phenol-d6
Concen: 103.300 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

Tgt Ion: 99 Resp: 1529791

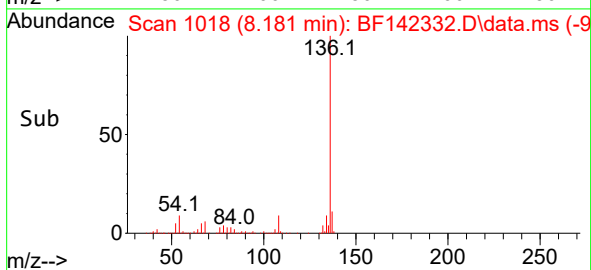
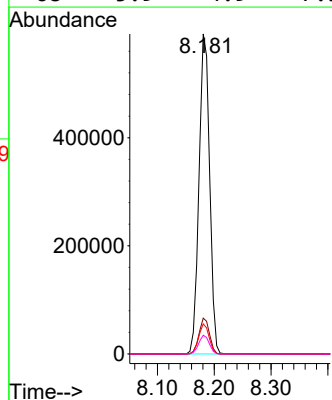
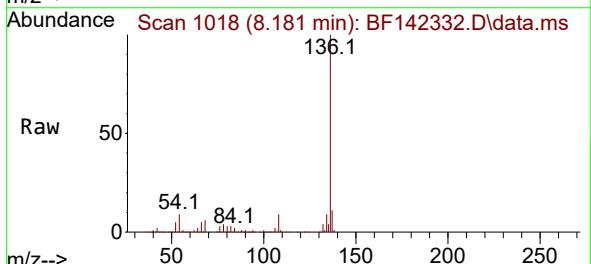
Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.0	25.4
71	32.0	25.8	38.8

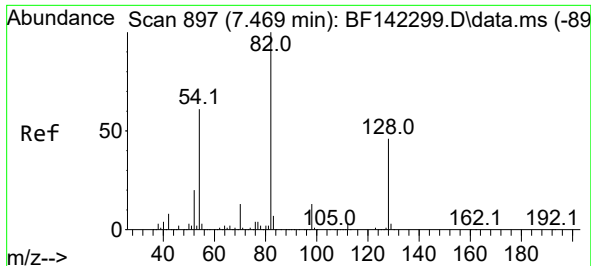


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion: 136 Resp: 771721

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.4	7.7	11.5
68	5.9	4.9	7.3

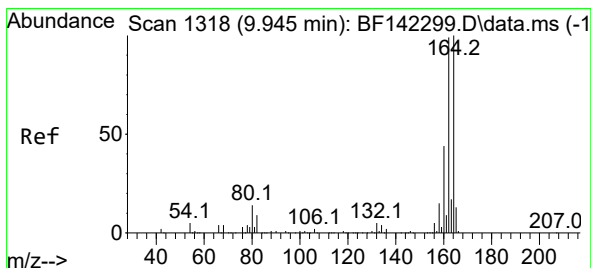
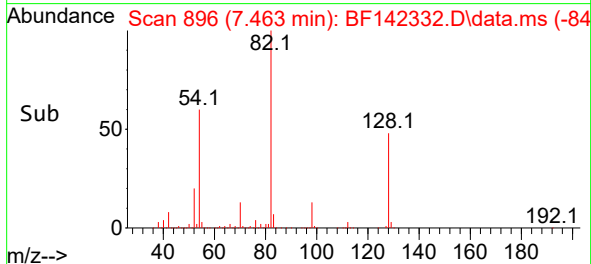
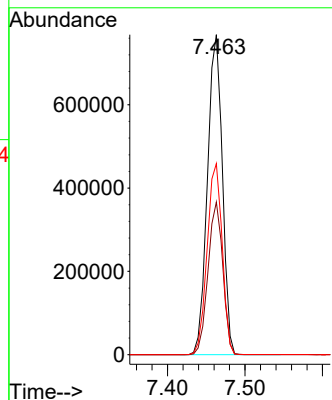
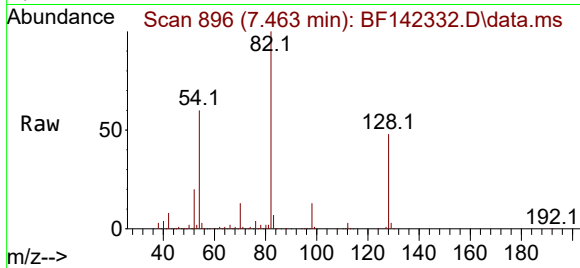




#23
Nitrobenzene-d5
Concen: 81.034 ng
RT: 7.463 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

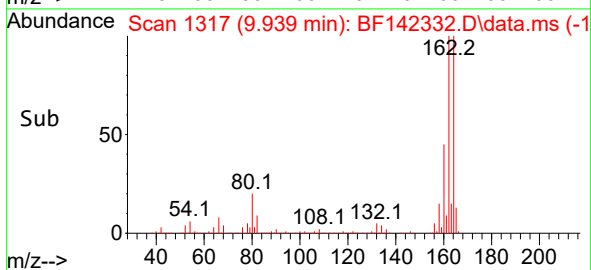
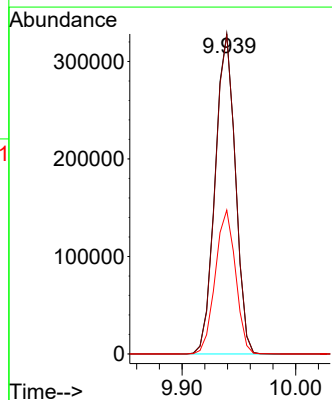
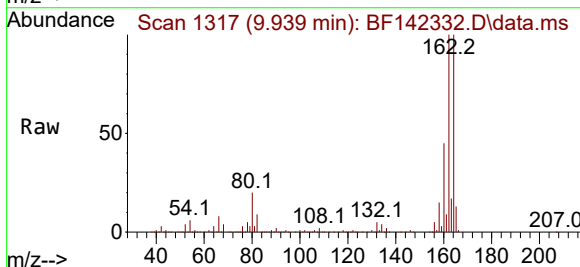
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

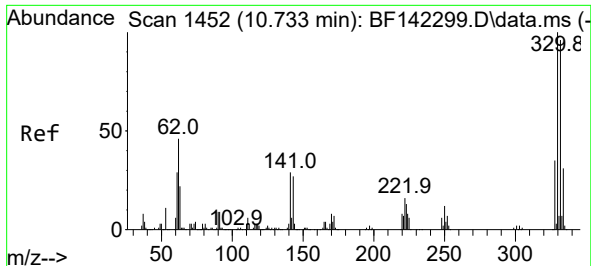
Tgt Ion: 82 Resp: 1025396
Ion Ratio Lower Upper
82 100
128 47.7 37.0 55.6
54 59.7 48.6 73.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion:164 Resp: 405762
Ion Ratio Lower Upper
164 100
162 99.7 79.2 118.8
160 44.9 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 126.866 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCK

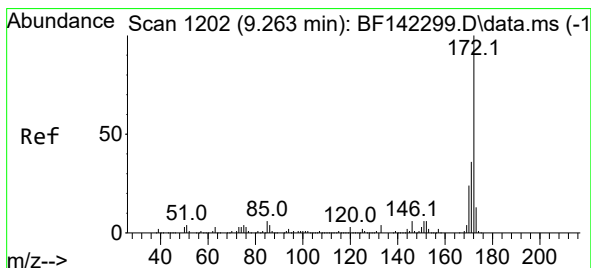
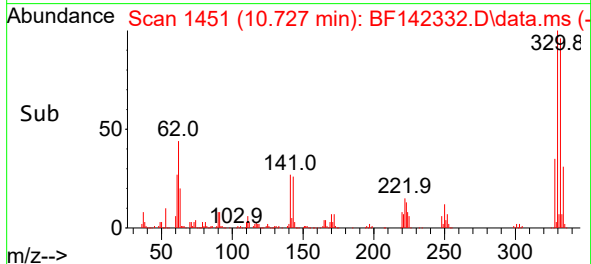
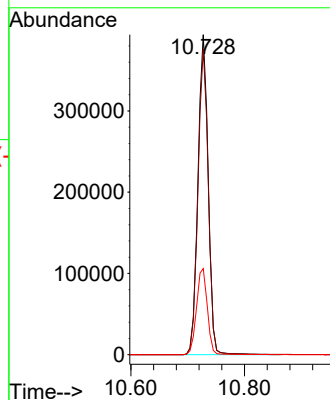
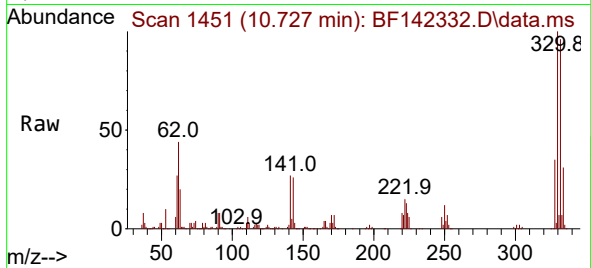
Tgt Ion:330 Resp: 497006

Ion Ratio Lower Upper

330 100

332 95.9 76.8 115.2

141 28.4 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 75.293 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

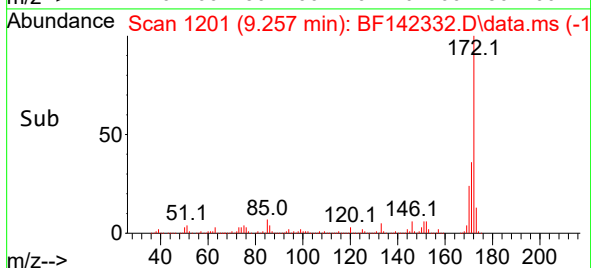
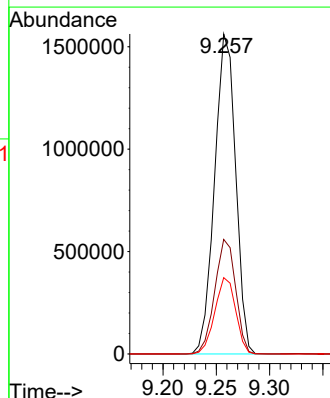
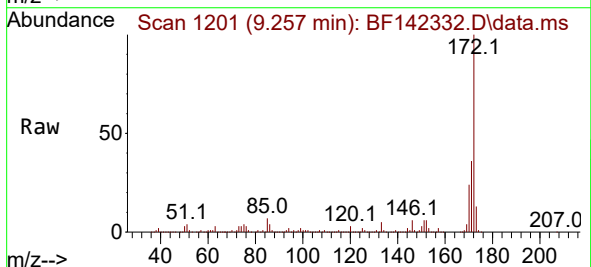
Tgt Ion:172 Resp: 2142607

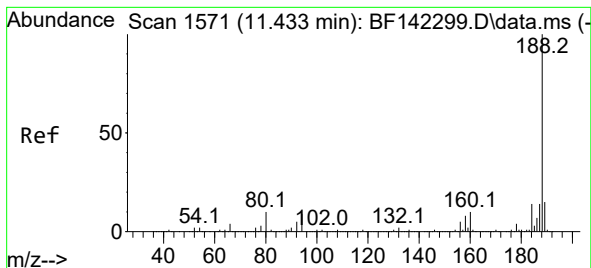
Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.9 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCK

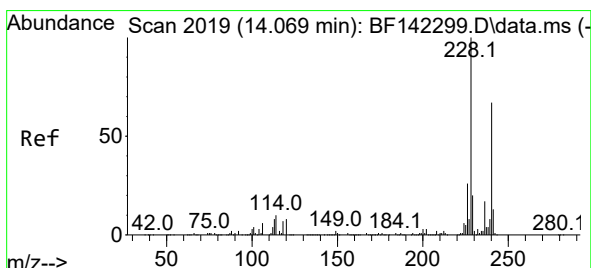
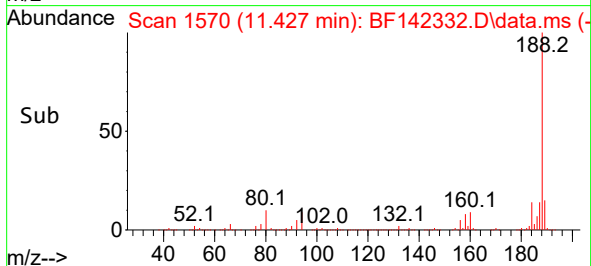
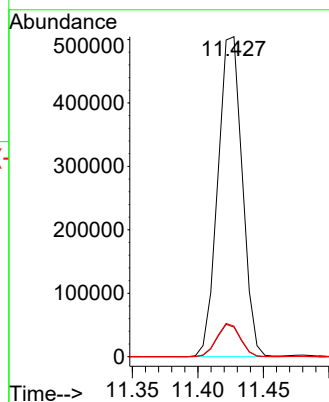
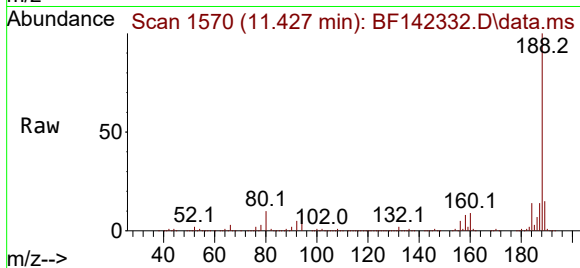
Tgt Ion:188 Resp: 652605

Ion Ratio Lower Upper

188 100

94 9.2 7.5 11.3

80 9.5 7.9 11.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

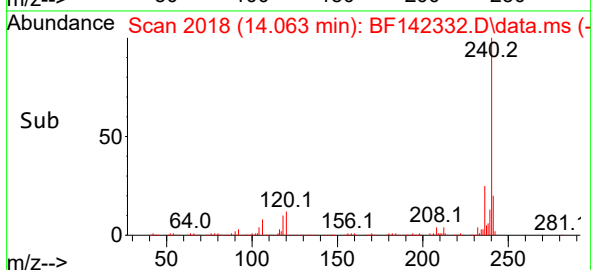
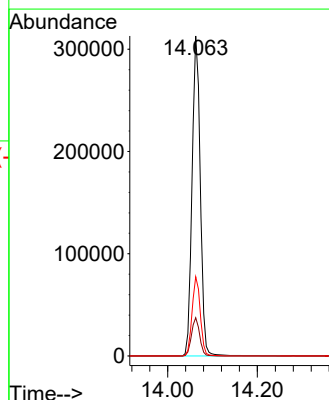
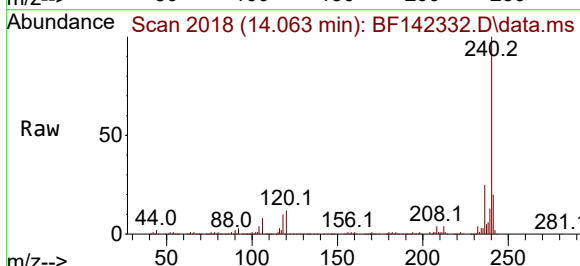
Tgt Ion:240 Resp: 398248

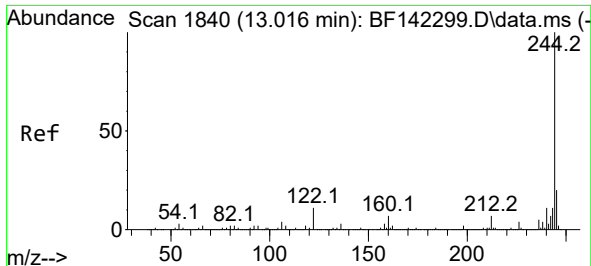
Ion Ratio Lower Upper

240 100

120 11.9 9.7 14.5

236 24.8 20.0 30.0

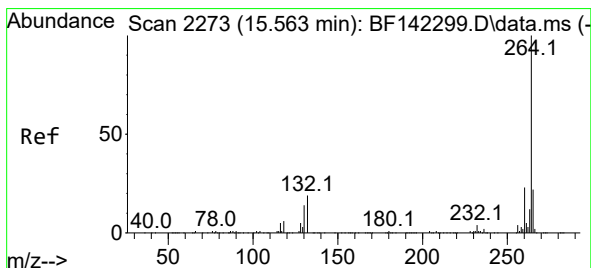
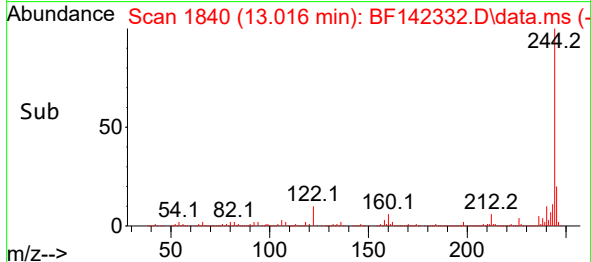
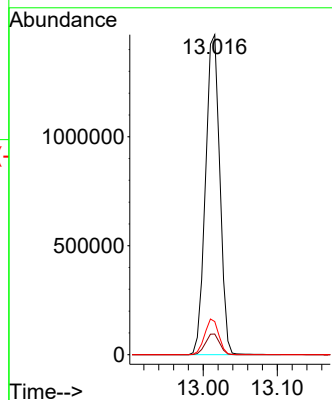
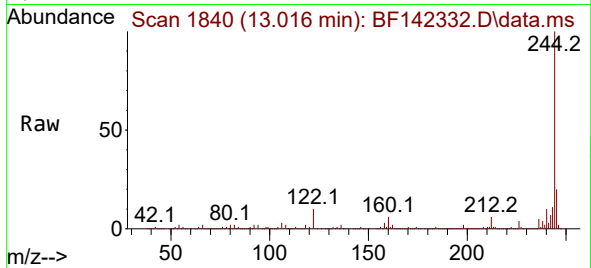




#79
 Terphenyl-d14
 Concen: 73.150 ng
 RT: 13.016 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF142332.D
 Acq: 12 May 2025 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCK

Tgt Ion:244 Resp: 1968216
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.4 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF142332.D
 Acq: 12 May 2025 21:02

Tgt Ion:264 Resp: 316337
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 20.9 17.5 26.3

