

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144016.D
 Acq On : 21 Oct 2025 17:02
 Operator : RC/JU
 Sample : Q3375-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S04-000013-20251016

Quant Time: Oct 21 17:21:58 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	116615	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	420206	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	202155	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	308753	20.000	ng	0.00
76) Chrysene-d12	14.057	240	254161	20.000	ng	-0.01
86) Perylene-d12	15.545	264	318784	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	644522	87.767	ng	0.00
7) Phenol-d6	6.504	99	751068	85.805	ng	-0.01
23) Nitrobenzene-d5	7.440	82	423850	61.282	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	160958	79.939	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	780028	61.225	ng	-0.01
79) Terphenyl-d14	12.998	244	655600	44.085	ng	-0.01

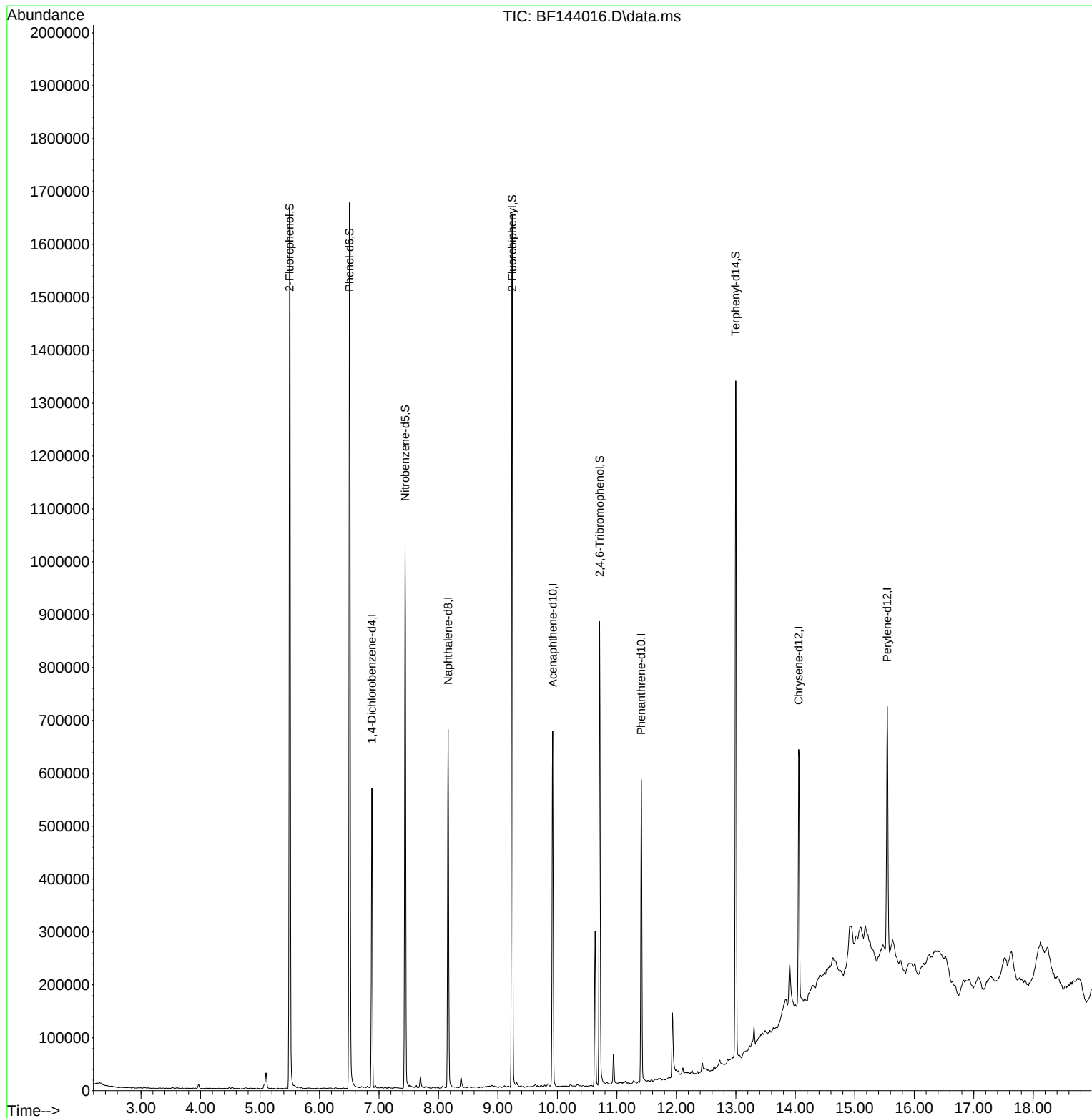
Target Compounds	Qvalue

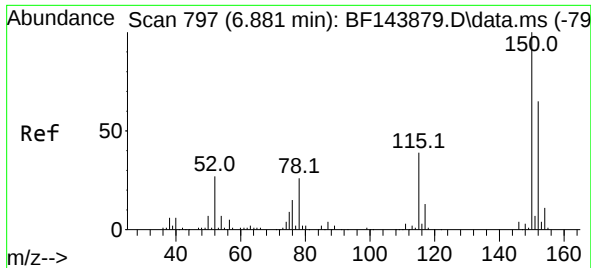
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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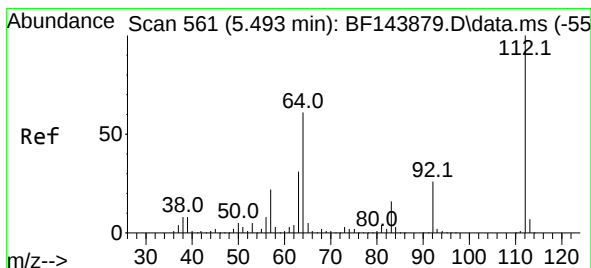
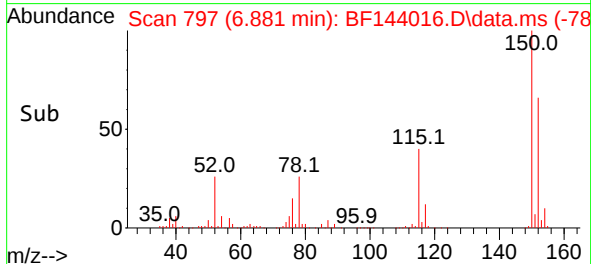
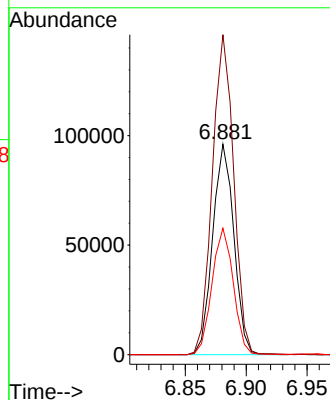
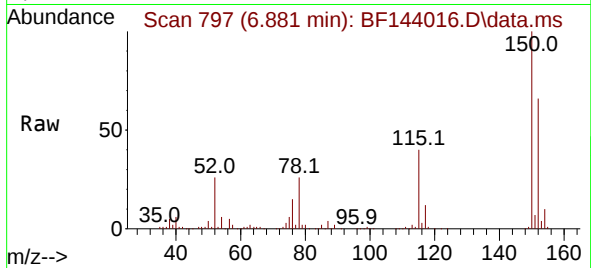




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144016.D
Acq: 21 Oct 2025 17:02

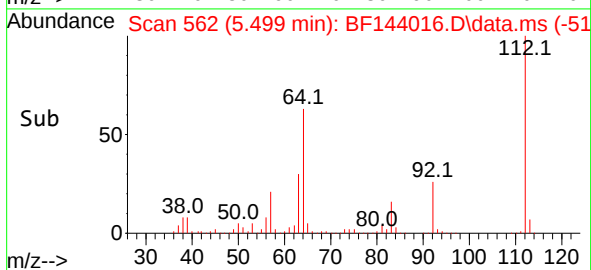
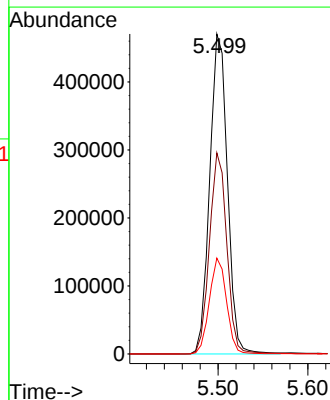
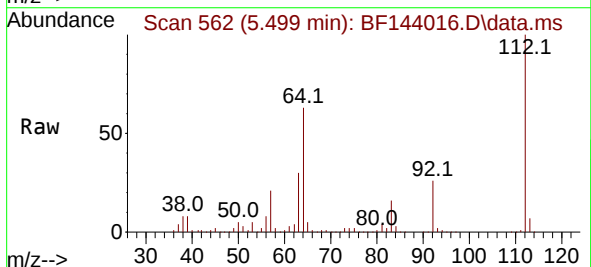
Instrument :
BNA_F
ClientSampleId :
PR132-S04-000013-20251016

Tgt Ion:152 Resp: 116615
Ion Ratio Lower Upper
152 100
150 152.1 124.4 186.6
115 60.1 48.1 72.1



#5
2-Fluorophenol
Concen: 87.767 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144016.D
Acq: 21 Oct 2025 17:02

Tgt Ion:112 Resp: 644522
Ion Ratio Lower Upper
112 100
64 62.9 49.1 73.7
63 29.9 24.5 36.7

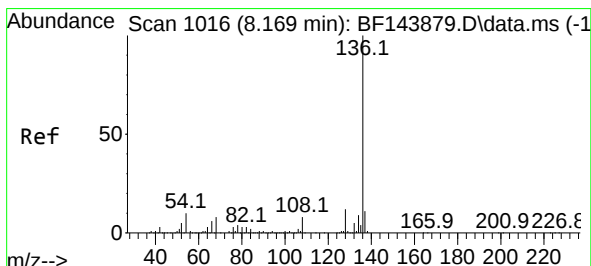
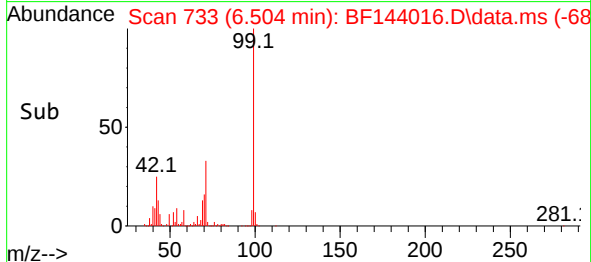
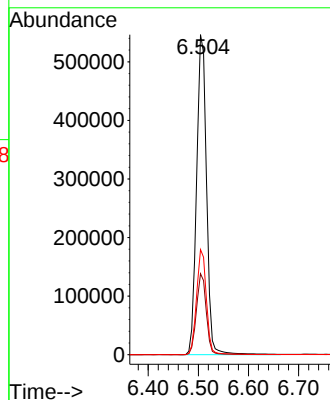
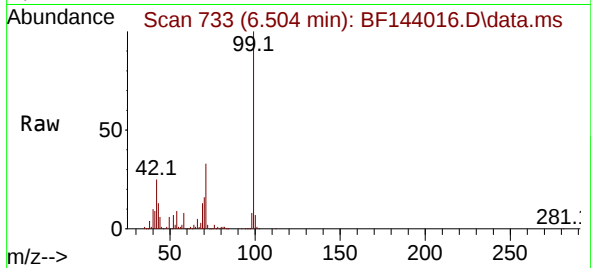




#7
Phenol-d6
Concen: 85.805 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144016.D
Acq: 21 Oct 2025 17:02

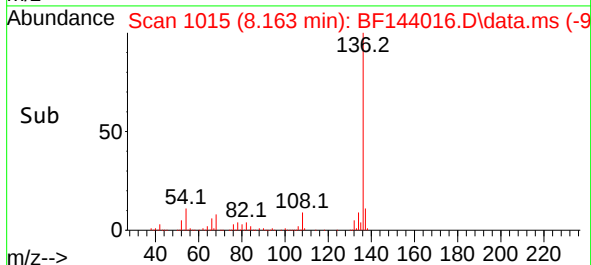
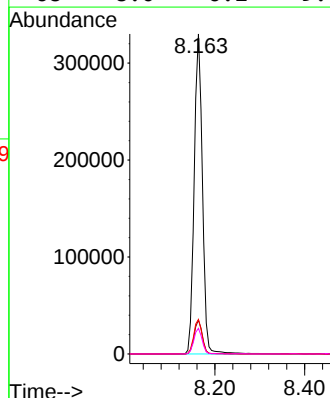
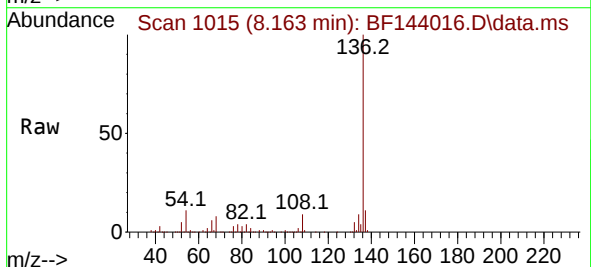
Instrument :
BNA_F
ClientSampleId :
PR132-S04-000013-20251016

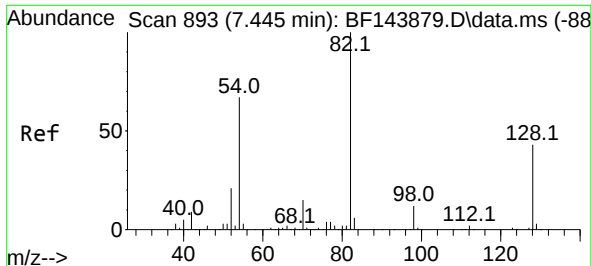
Tgt Ion: 99 Resp: 751068
Ion Ratio Lower Upper
99 100
42 25.3 21.0 31.4
71 32.8 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144016.D
Acq: 21 Oct 2025 17:02

Tgt Ion: 136 Resp: 420206
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.8 8.2 12.4
68 8.0 6.2 9.4





#23

Nitrobenzene-d5

Concen: 61.282 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF144016.D

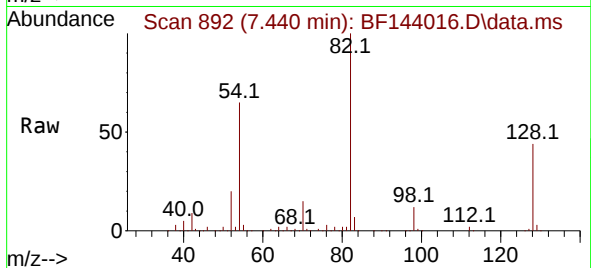
Acq: 21 Oct 2025 17:02

Instrument :

BNA_F

ClientSampleId :

PR132-S04-000013-20251016



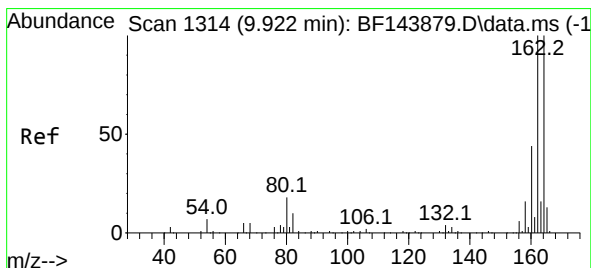
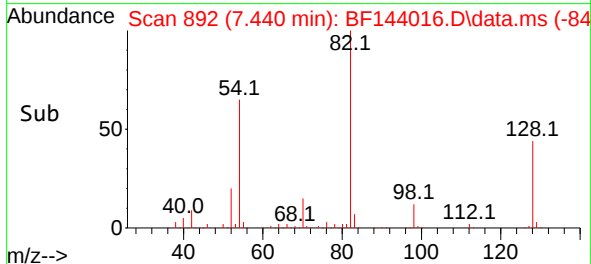
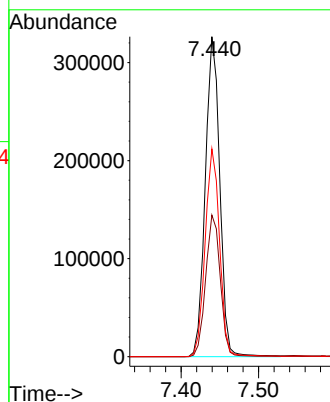
Tgt Ion: 82 Resp: 423850

Ion Ratio Lower Upper

82 100

128 44.2 34.0 51.0

54 65.0 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: BF144016.D

Acq: 21 Oct 2025 17:02

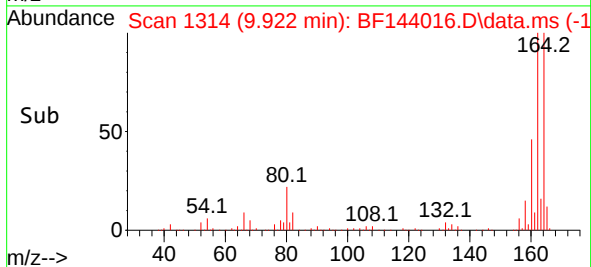
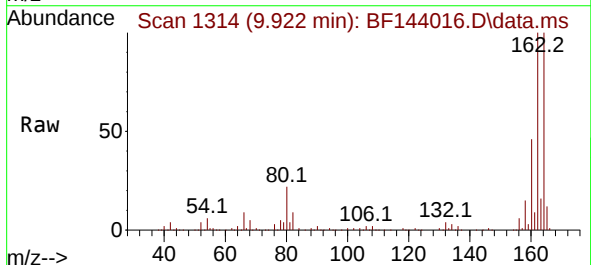
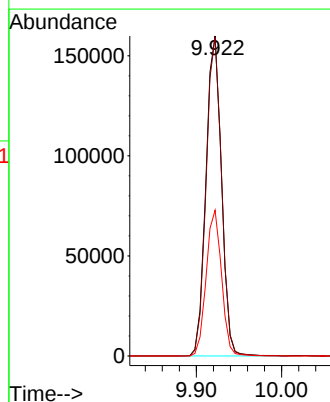
Tgt Ion:164 Resp: 202155

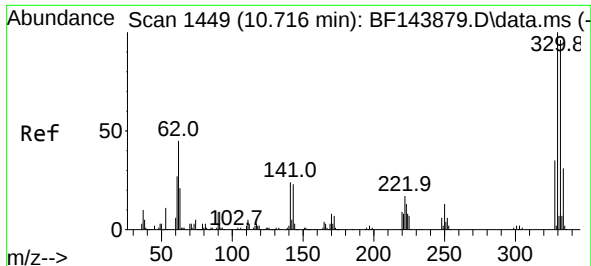
Ion Ratio Lower Upper

164 100

162 99.7 80.2 120.2

160 45.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 79.939 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144016.D

Acq: 21 Oct 2025 17:02

Instrument :

BNA_F

ClientSampleId :

PR132-S04-000013-20251016

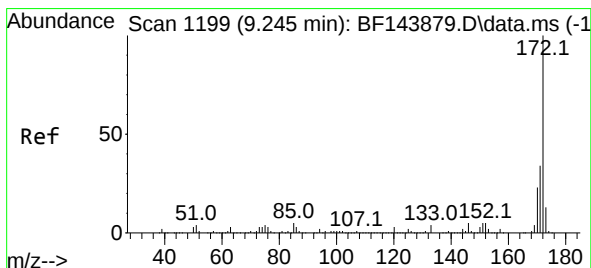
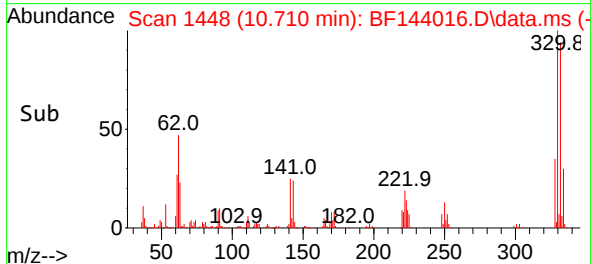
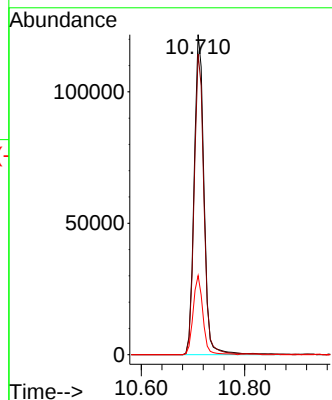
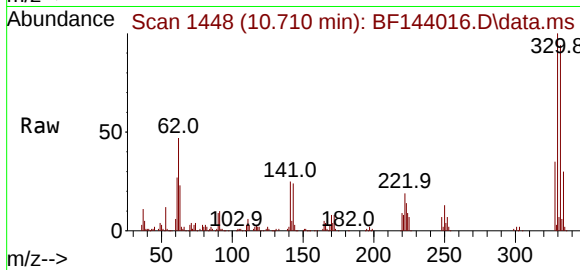
Tgt Ion:330 Resp: 160958

Ion Ratio Lower Upper

330 100

332 93.0 76.9 115.3

141 24.4 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 61.225 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.011 min

Lab File: BF144016.D

Acq: 21 Oct 2025 17:02

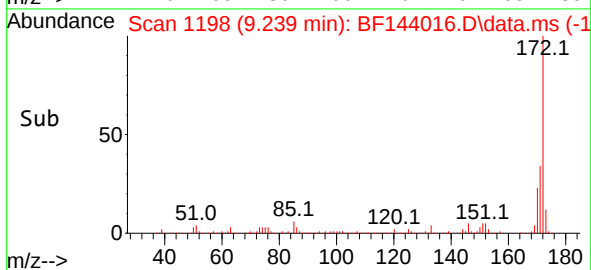
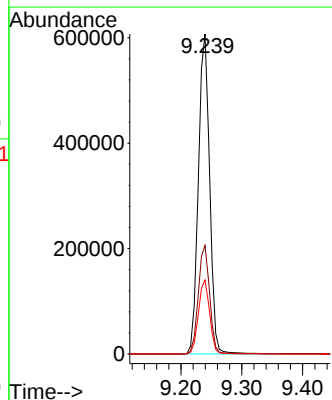
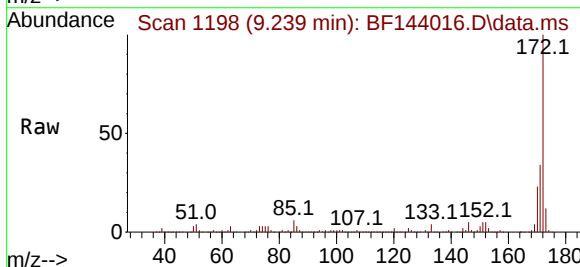
Tgt Ion:172 Resp: 780028

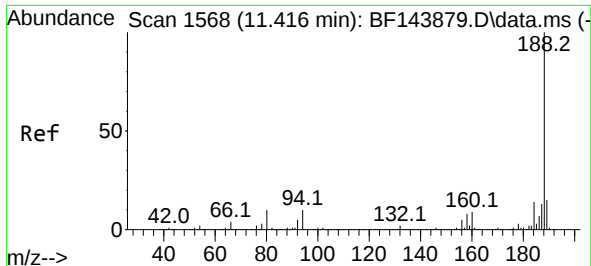
Ion Ratio Lower Upper

172 100

171 33.9 27.4 41.0

170 23.1 18.6 28.0

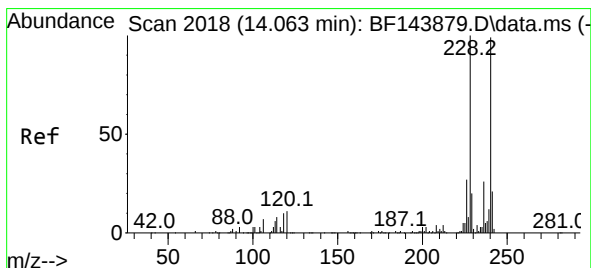
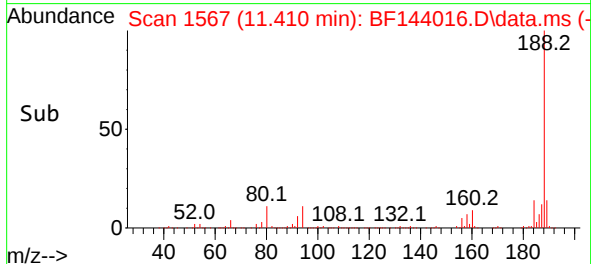
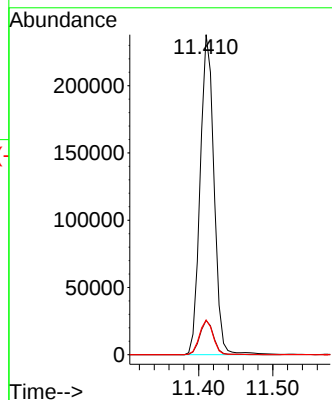
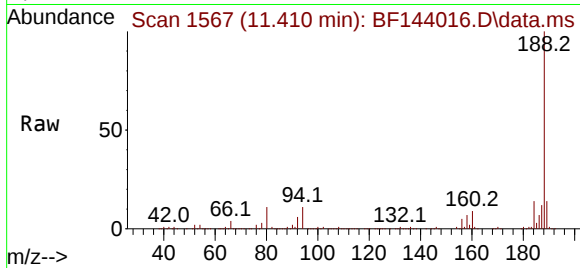




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144016.D
Acq: 21 Oct 2025 17:02

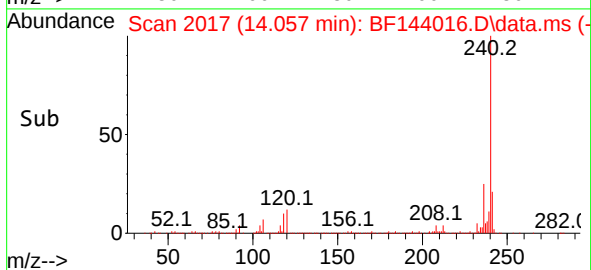
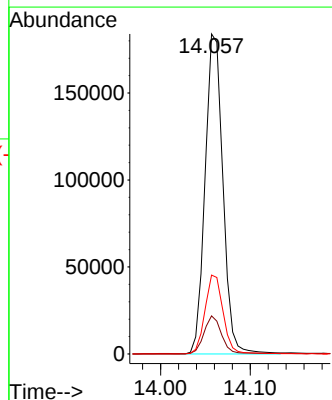
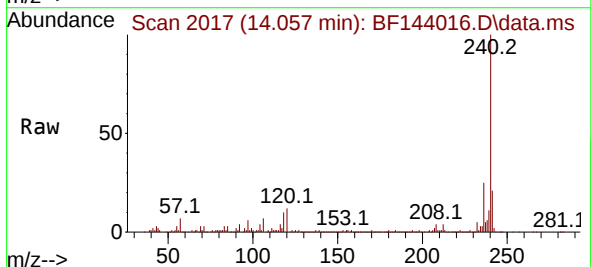
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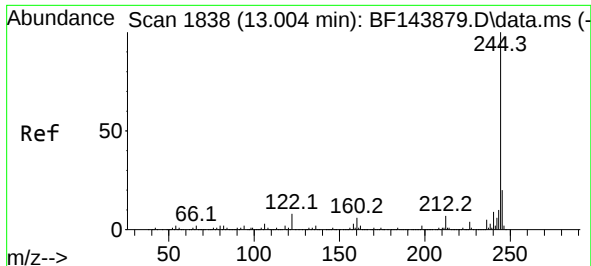
Tgt Ion:188 Resp: 308753
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 10.9 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144016.D
Acq: 21 Oct 2025 17:02

Tgt Ion:240 Resp: 254161
Ion Ratio Lower Upper
240 100
120 11.9 8.6 13.0
236 24.7 21.1 31.7

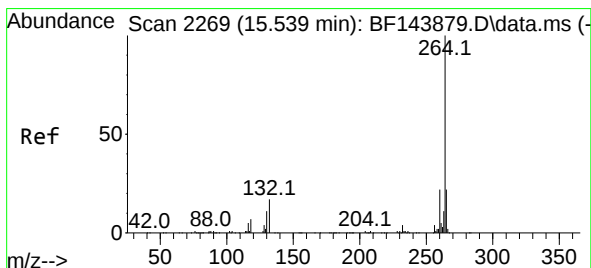
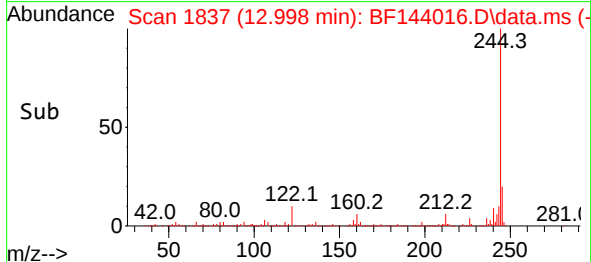
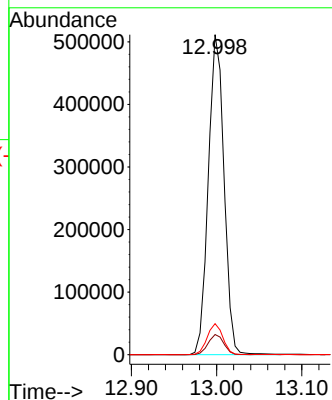
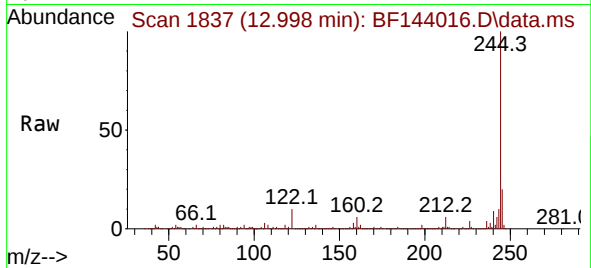




#79
 Terphenyl-d14
 Concen: 44.085 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144016.D
 Acq: 21 Oct 2025 17:02

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S04-000013-20251016

Tgt Ion:244 Resp: 655600
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 9.7 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: BF144016.D
 Acq: 21 Oct 2025 17:02

Tgt Ion:264 Resp: 318784
 Ion Ratio Lower Upper
 264 100
 260 20.7 17.8 26.8
 265 20.8 17.5 26.3

