

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
 Data File : BF141815.D
 Acq On : 03 Mar 2025 16:19
 Operator : RC/JU
 Sample : Q1458-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOIL

Quant Time: Mar 03 16:55:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

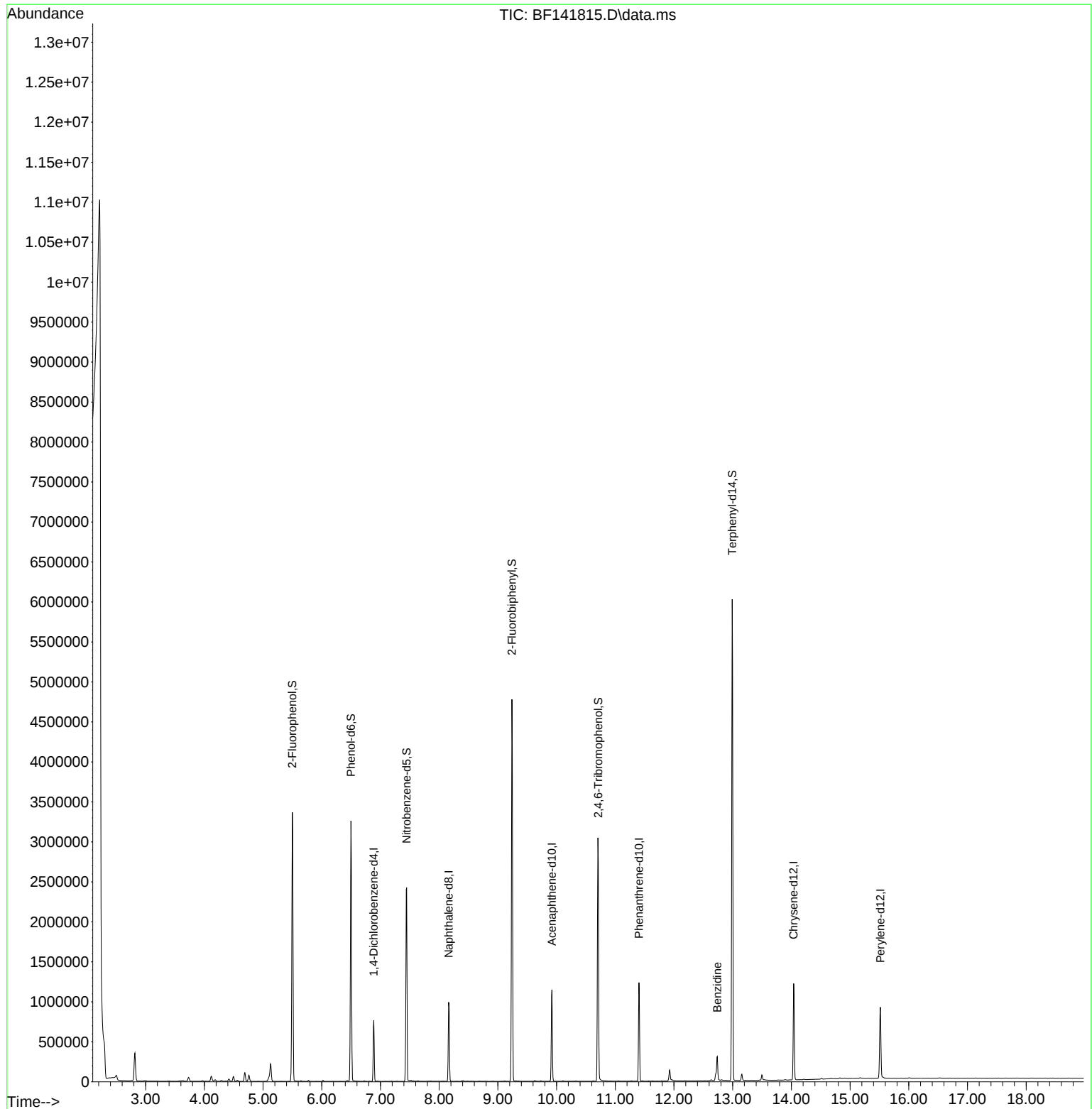
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	153642	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	610205	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	334027	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	604575	20.000	ng	0.00
76) Chrysene-d12	14.039	240	557499	20.000	ng	-0.01
86) Perylene-d12	15.515	264	503326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1313316	136.509	ng	0.00
7) Phenol-d6	6.498	99	1503294	120.050	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1081957	113.337	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	470830	150.142	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2028551	97.378	ng	0.00
79) Terphenyl-d14	12.992	244	2840985	82.448	ng	0.00
Target Compounds						
77) Benzidine	12.739	184	161559	23.024	ng	Qvalue 98

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

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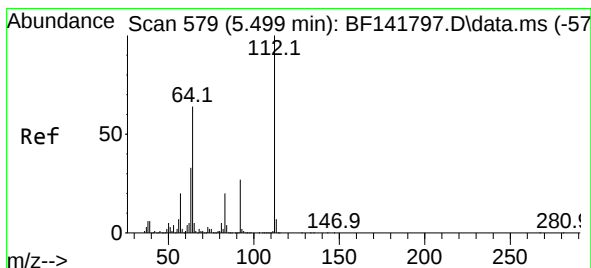
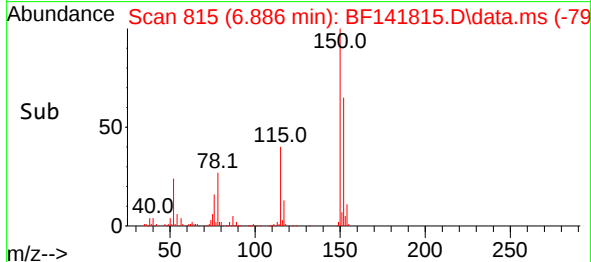
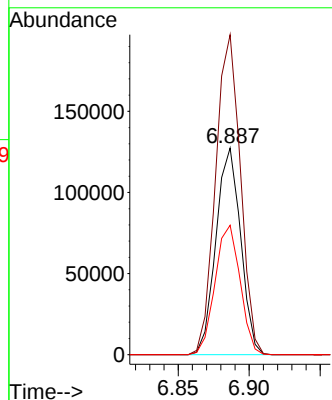
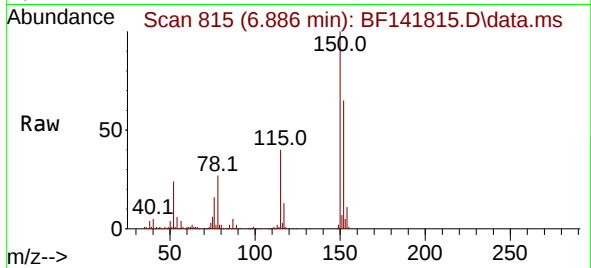




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141815.D
 Acq: 03 Mar 2025 16:19

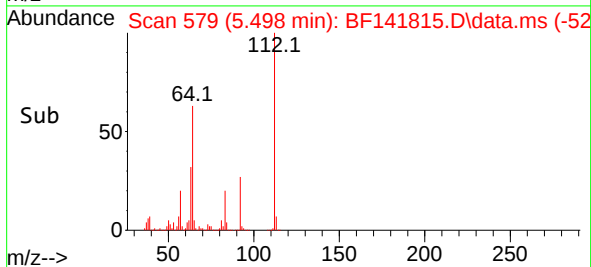
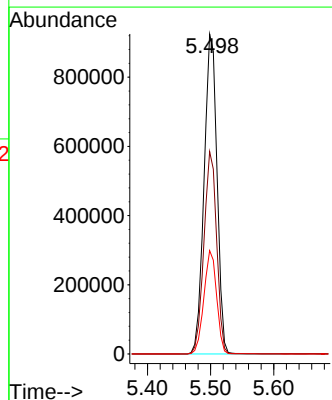
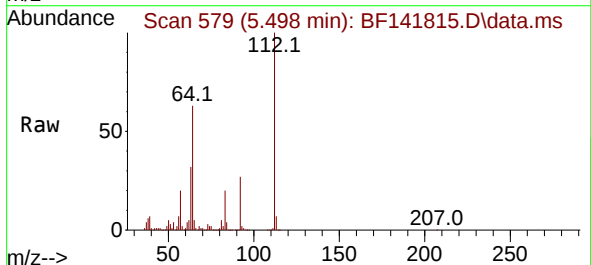
Instrument :
 BNA_F
 ClientSampleId :
 SP-SOIL

Tgt Ion:152 Resp: 153642
 Ion Ratio Lower Upper
 152 100
 150 154.8 127.5 191.3
 115 62.6 51.4 77.2



#5
 2-Fluorophenol
 Concen: 136.509 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141815.D
 Acq: 03 Mar 2025 16:19

Tgt Ion:112 Resp: 1313316
 Ion Ratio Lower Upper
 112 100
 64 63.3 51.3 76.9
 63 32.3 26.2 39.4

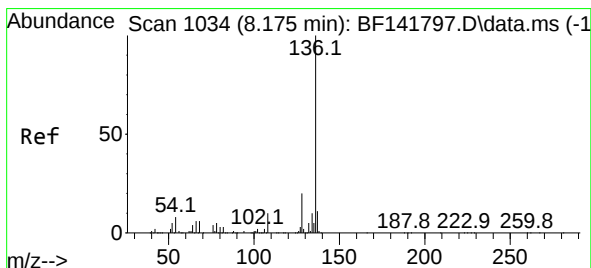
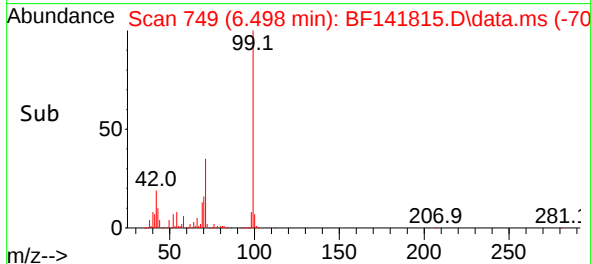
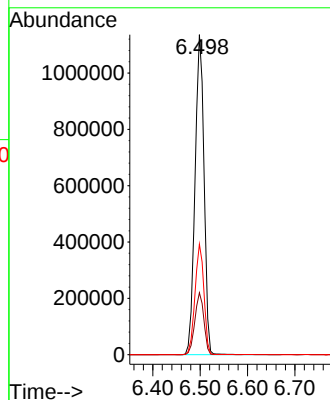
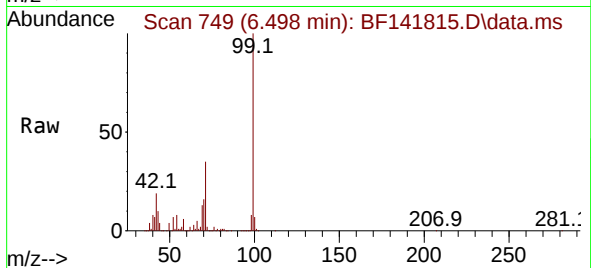




#7
Phenol-d6
Concen: 120.050 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

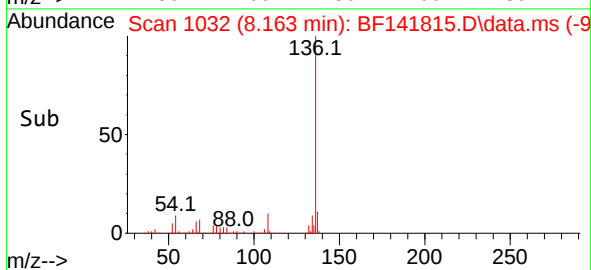
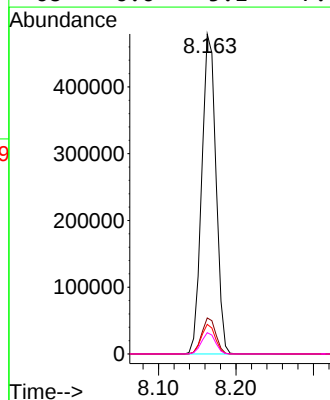
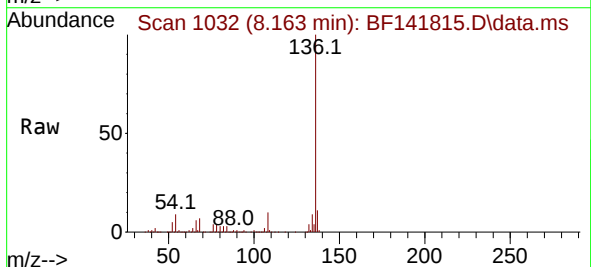
Instrument :
BNA_F
ClientSampleId :
SP-SOIL

Tgt Ion: 99 Resp: 1503294
Ion Ratio Lower Upper
99 100
42 19.4 15.2 22.8
71 34.5 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

Tgt Ion:136 Resp: 610205
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.3 6.9 10.3
68 6.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 113.337 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

Instrument :

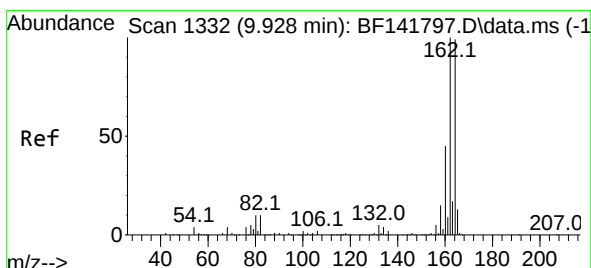
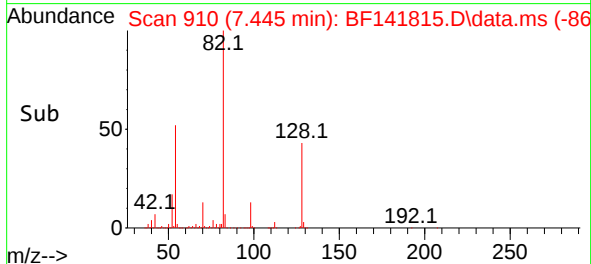
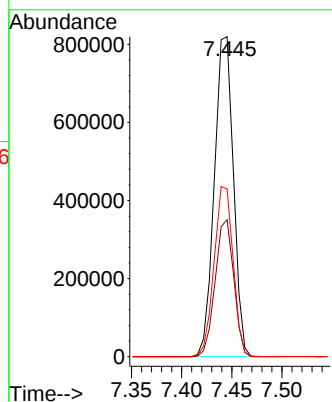
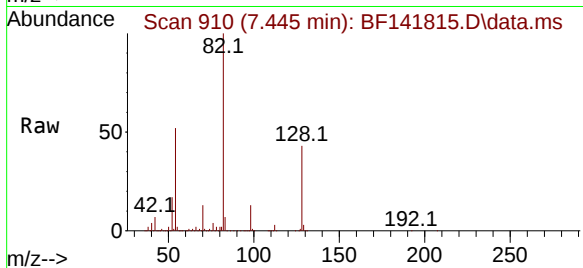
BNA_F

ClientSampleId :

SP-SOIL

Tgt Ion: 82 Resp: 1081957

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.5	50.3
54	52.4	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

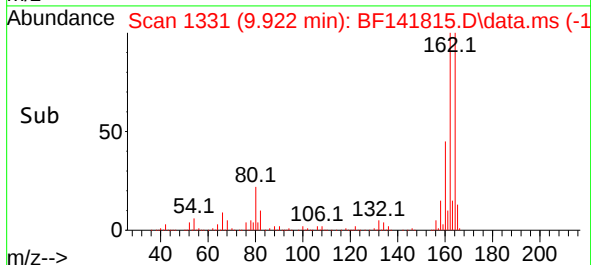
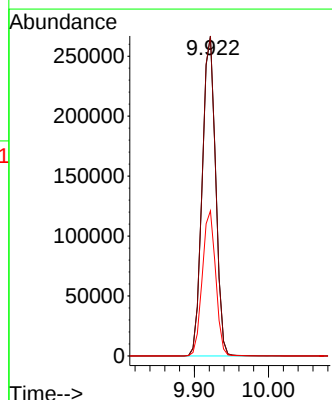
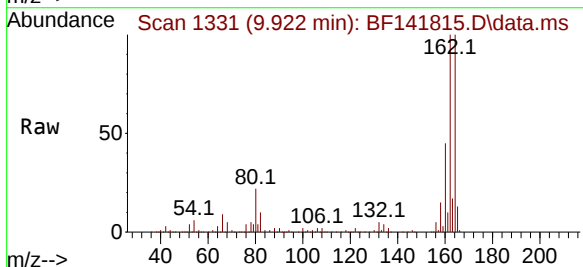
Delta R.T. -0.006 min

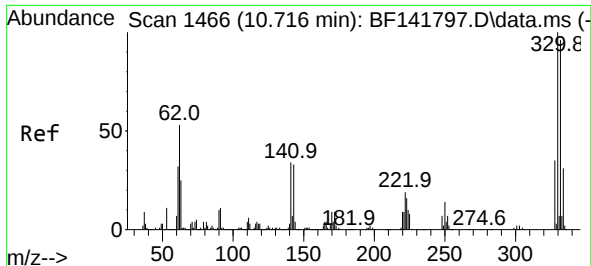
Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

Tgt Ion: 164 Resp: 334027

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	120.8
160	45.4	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 150.142 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

Instrument :

BNA_F

ClientSampleId :

SP-SOIL

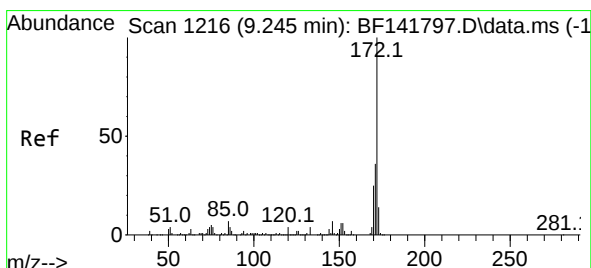
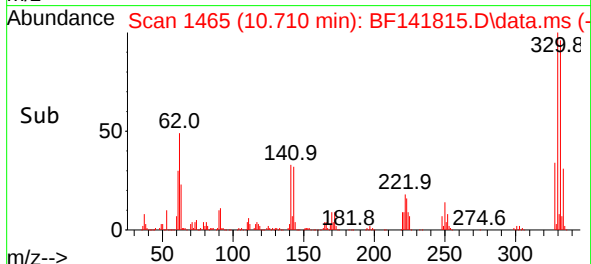
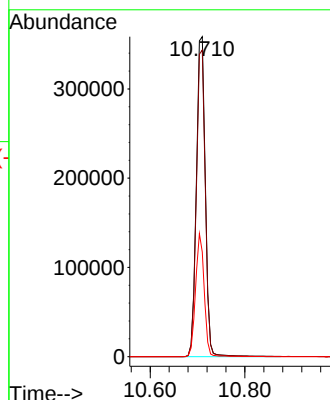
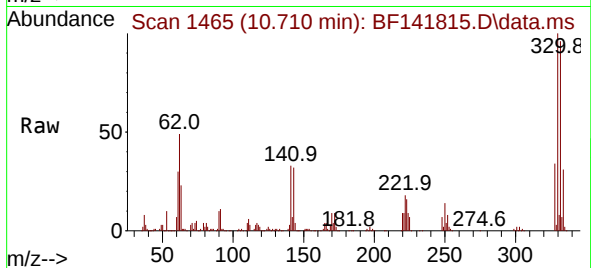
Tgt Ion:330 Resp: 470830

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

141 37.0 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 97.378 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

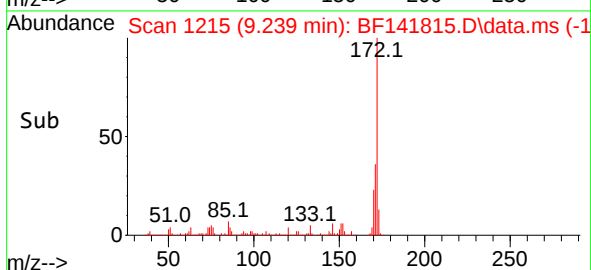
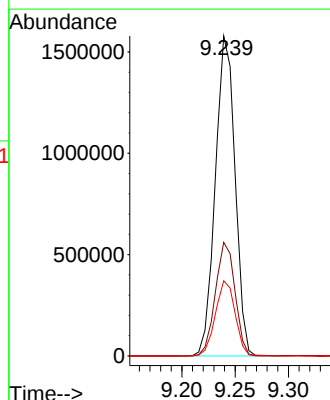
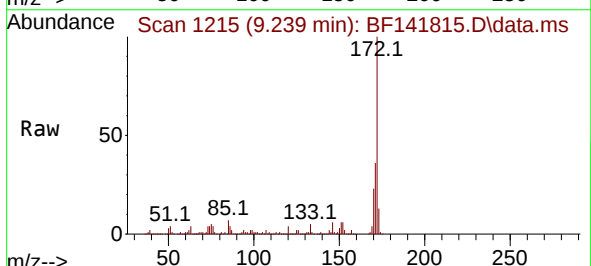
Tgt Ion:172 Resp: 2028551

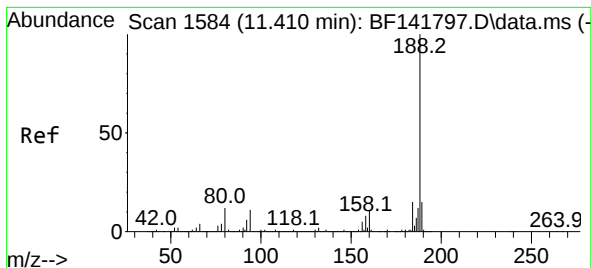
Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

170 23.5 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

Instrument :

BNA_F

ClientSampleId :

SP-SOIL

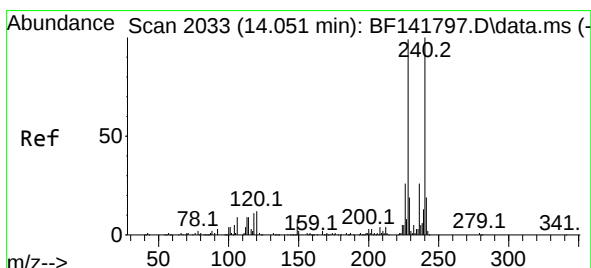
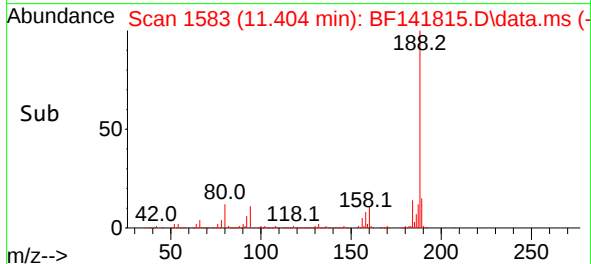
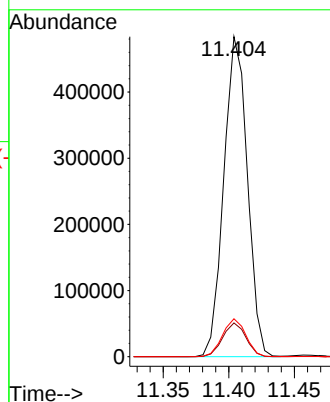
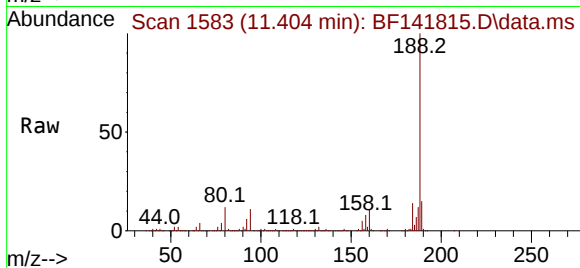
Tgt Ion:188 Resp: 604575

Ion Ratio Lower Upper

188 100

94 10.6 8.9 13.3

80 11.9 9.7 14.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

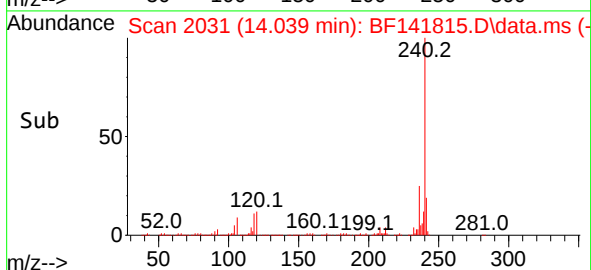
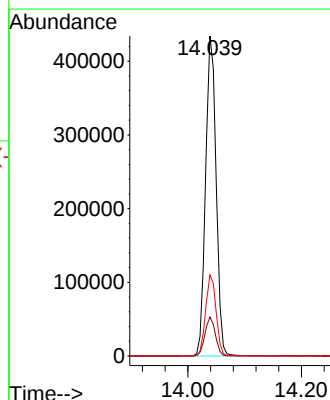
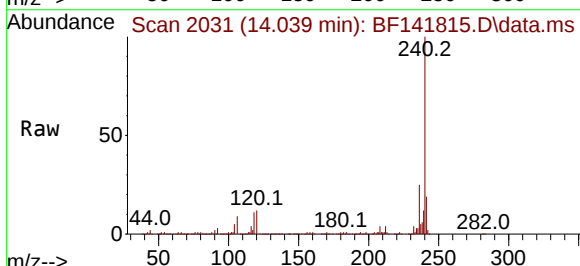
Tgt Ion:240 Resp: 557499

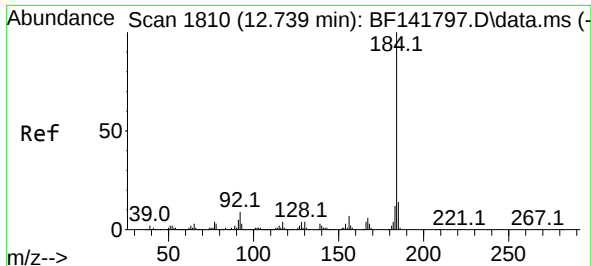
Ion Ratio Lower Upper

240 100

120 12.2 9.7 14.5

236 25.3 21.0 31.4

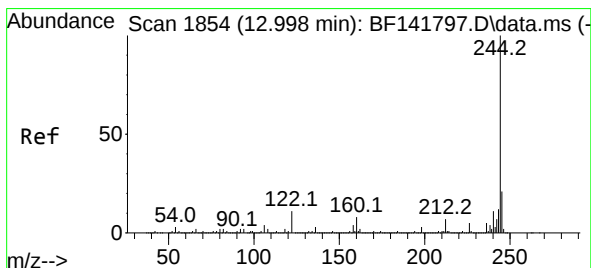
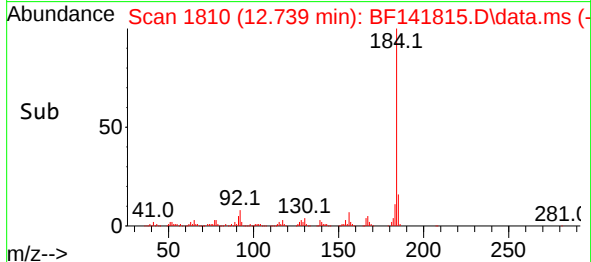
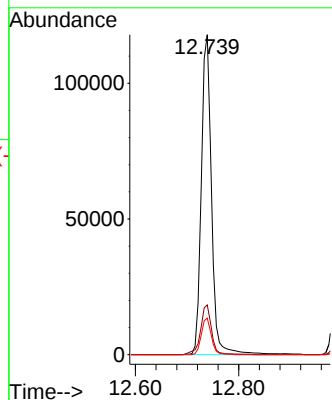
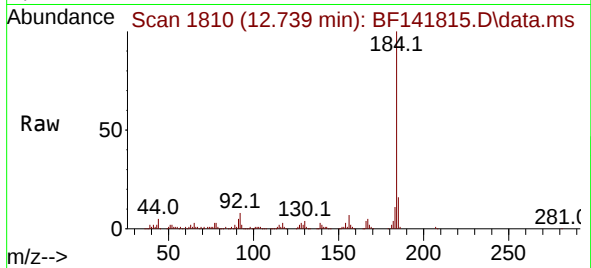




#77
Benzidine
Concen: 23.024 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

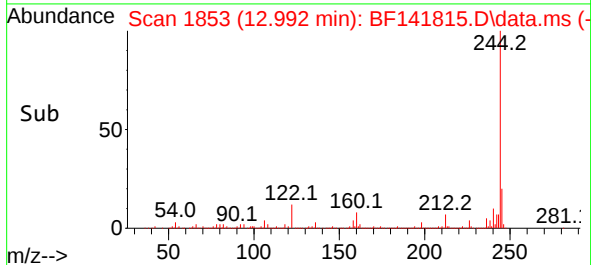
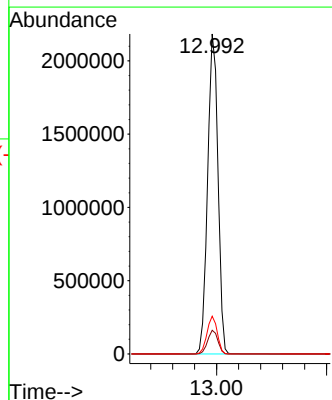
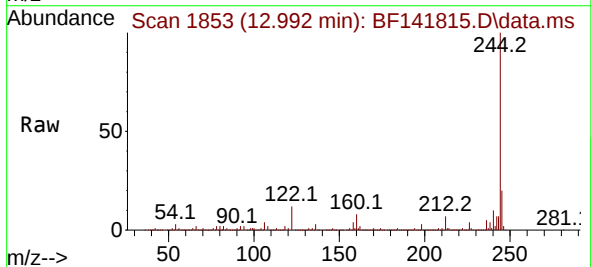
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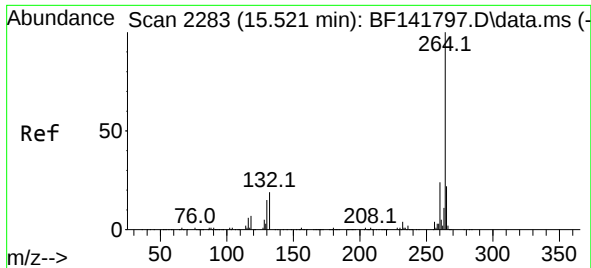
Tgt Ion:184 Resp: 161559
Ion Ratio Lower Upper
184 100
185 15.5 11.6 17.4
183 11.4 9.4 14.0



#79
Terphenyl-d14
Concen: 82.448 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

Tgt Ion:244 Resp: 2840985
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 11.8 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141815.D
 Acq: 03 Mar 2025 16:19

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOIL

Tgt Ion:264 Resp: 503326
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.4 17.4 26.0

