

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133879.D
 Acq On : 21 Jun 2023 19:34
 Operator : CG\JU
 Sample : 03262-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WS-SOIL2-0615

Quant Time: Jun 22 05:58:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

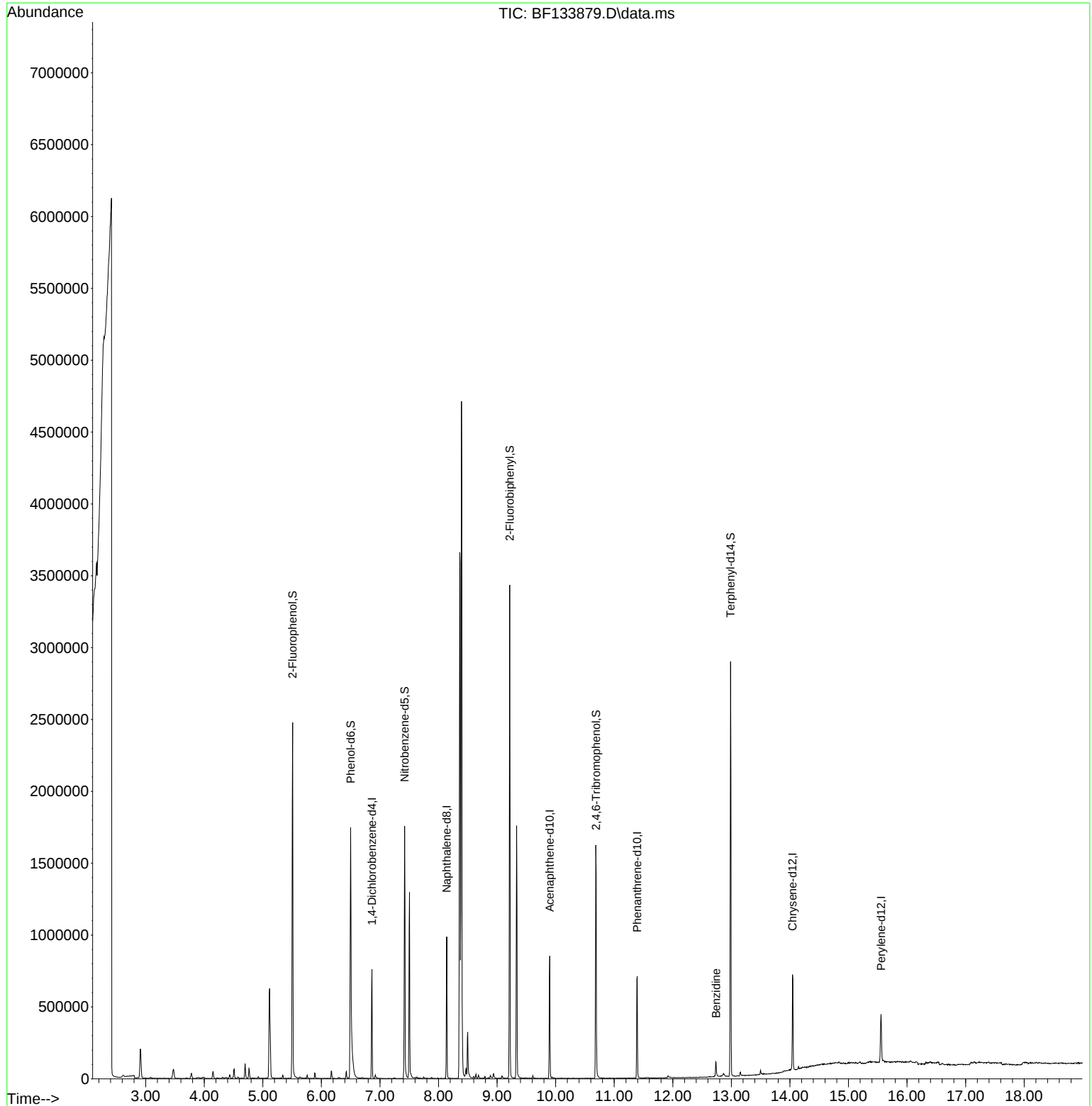
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	103898	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	369851	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	162289	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	274357	20.000	ng	0.00
76) Chrysene-d12	14.045	240	231108	20.000	ng	0.00
86) Perylene-d12	15.557	264	164666	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	621672	104.166	ng	0.02
7) Phenol-d6	6.498	99	711167	91.546	ng	0.00
23) Nitrobenzene-d5	7.422	82	520826	76.700	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	197317	96.051	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	940717	82.399	ng	0.00
79) Terphenyl-d14	12.986	244	959041	64.211	ng	0.00
Target Compounds						
77) Benzidine	12.739	184	47122	6.076	ng	Qvalue 97

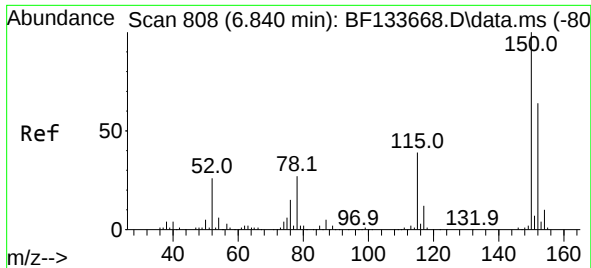
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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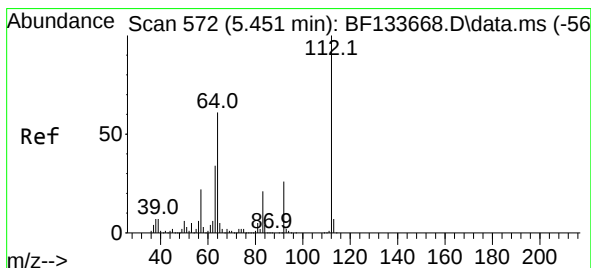
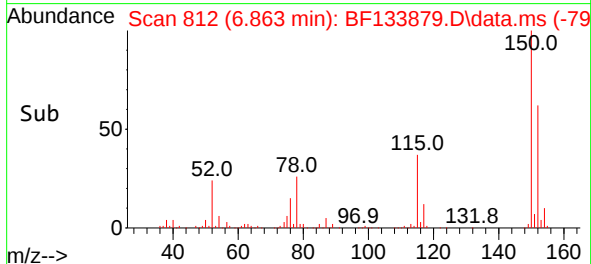
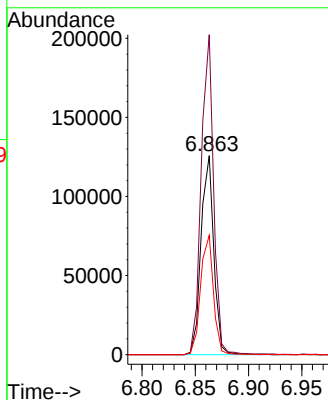
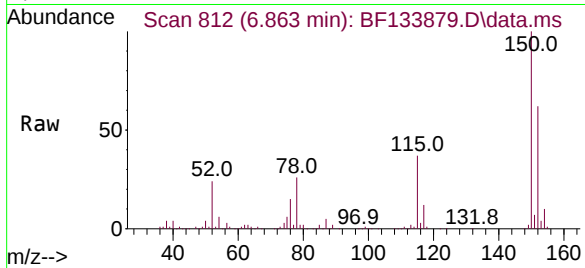




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: BF133879.D
 Acq: 21 Jun 2023 19:34

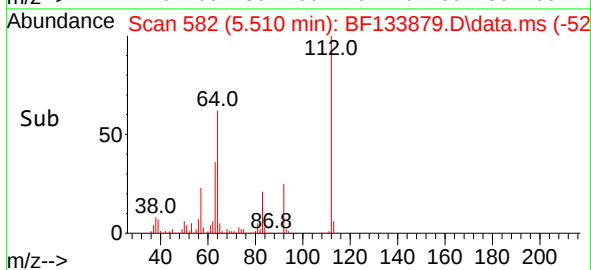
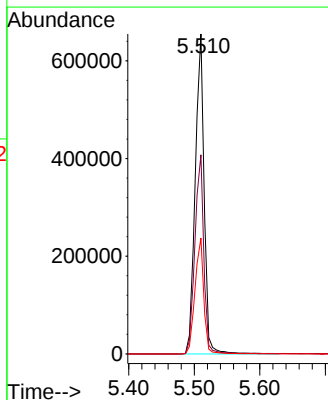
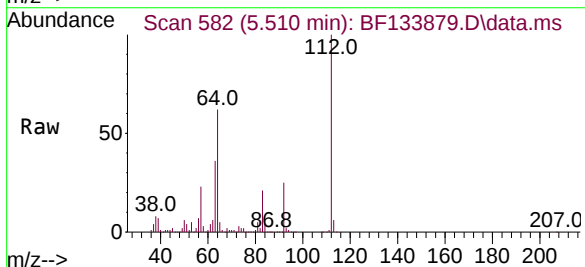
Instrument :
 BNA_F
 ClientSampleId :
 WS-SOIL2-0615

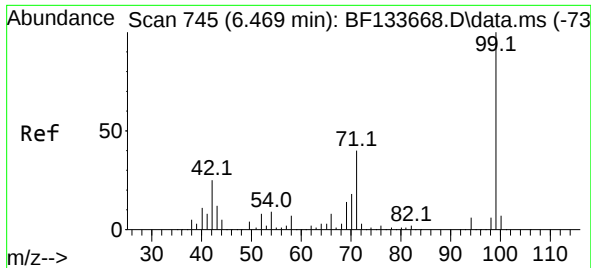
Tgt Ion:152 Resp: 103898
 Ion Ratio Lower Upper
 152 100
 150 160.9 124.3 186.5
 115 60.0 48.5 72.7



#5
 2-Fluorophenol
 Concen: 104.166 ng
 RT: 5.510 min Scan# 582
 Delta R.T. 0.024 min
 Lab File: BF133879.D
 Acq: 21 Jun 2023 19:34

Tgt Ion:112 Resp: 621672
 Ion Ratio Lower Upper
 112 100
 64 62.2 49.0 73.4
 63 36.2 26.8 40.2

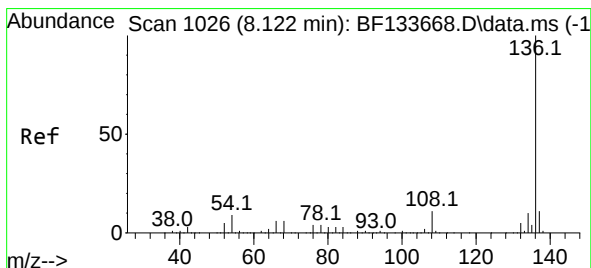
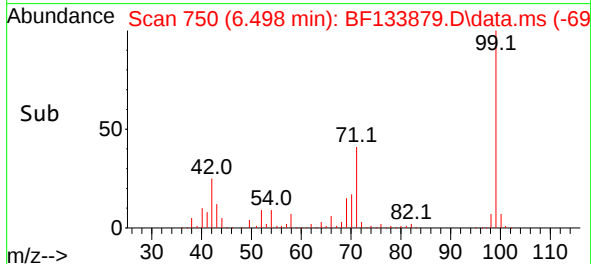
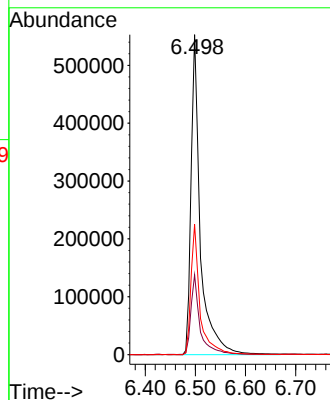
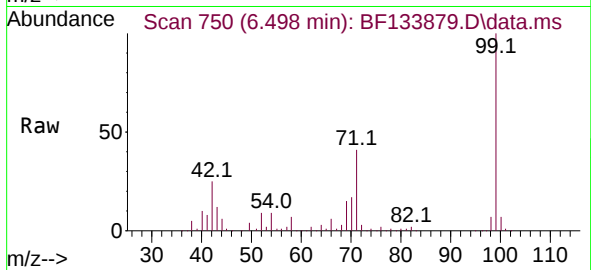




#7
Phenol-d6
Concen: 91.546 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF133879.D
Acq: 21 Jun 2023 19:34

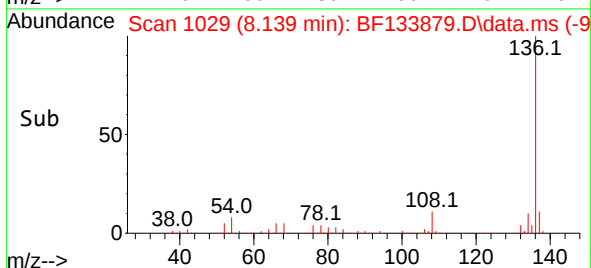
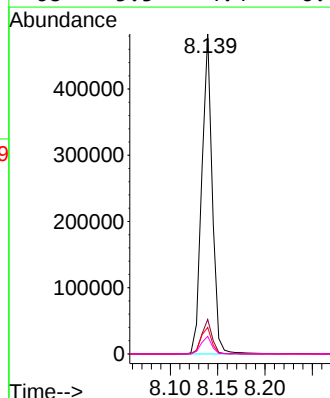
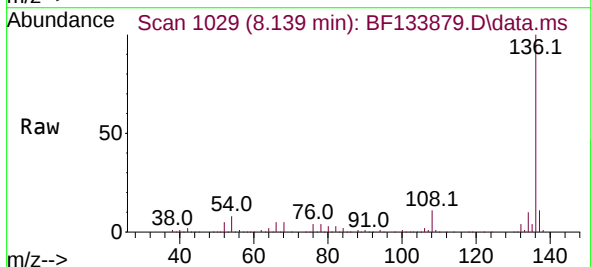
Instrument :
BNA_F
ClientSampleId :
WS-SOIL2-0615

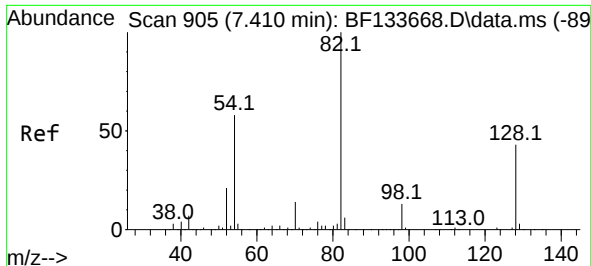
Tgt Ion: 99 Resp: 711167
Ion Ratio Lower Upper
99 100
42 24.9 19.9 29.9
71 40.7 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133879.D
Acq: 21 Jun 2023 19:34

Tgt Ion: 136 Resp: 369851
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.3 7.4 11.0
68 5.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 76.700 ng

RT: 7.422 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF133879.D

Acq: 21 Jun 2023 19:34

Instrument :

BNA_F

ClientSampleId :

WS-SOIL2-0615

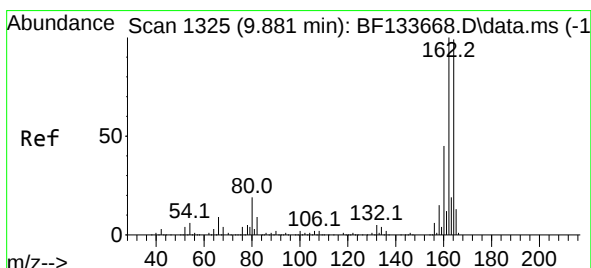
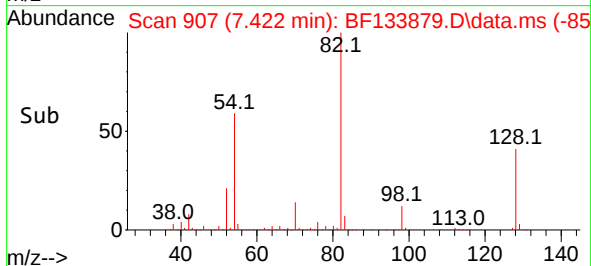
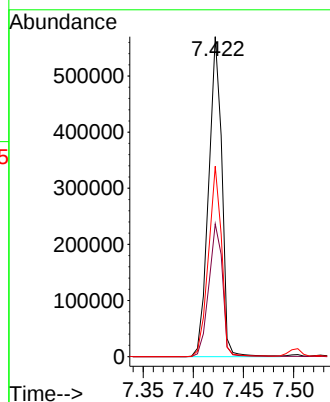
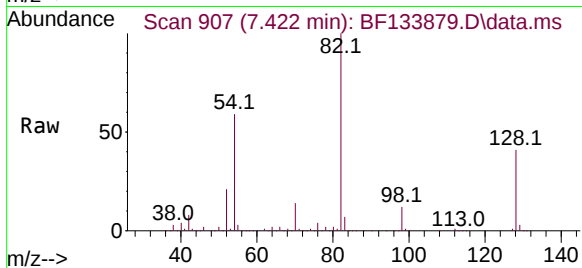
Tgt Ion: 82 Resp: 520826

Ion Ratio Lower Upper

82 100

128 41.5 34.2 51.2

54 59.5 46.5 69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF133879.D

Acq: 21 Jun 2023 19:34

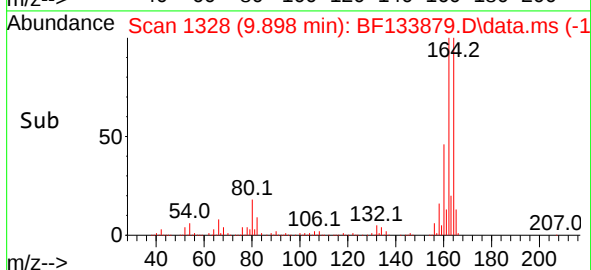
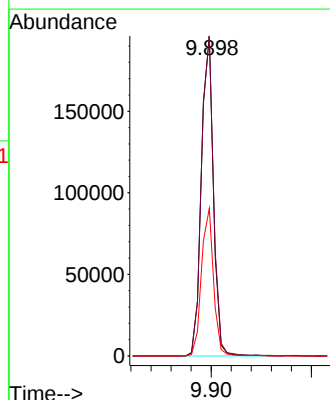
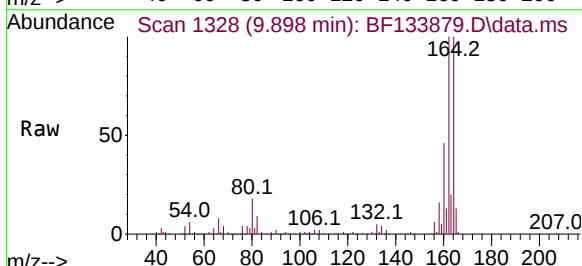
Tgt Ion:164 Resp: 162289

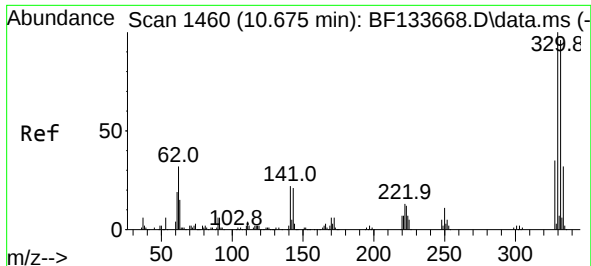
Ion Ratio Lower Upper

164 100

162 100.0 80.8 121.2

160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 96.051 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF133879.D

Acq: 21 Jun 2023 19:34

Instrument :

BNA_F

ClientSampleId :

WS-SOIL2-0615

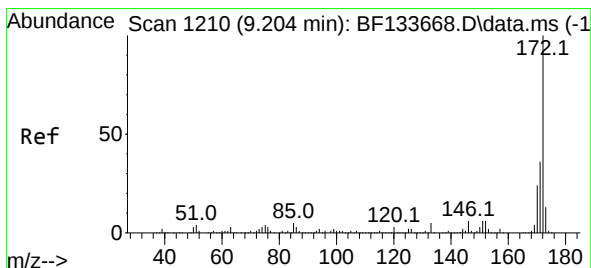
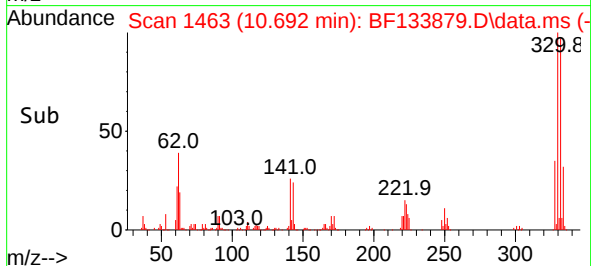
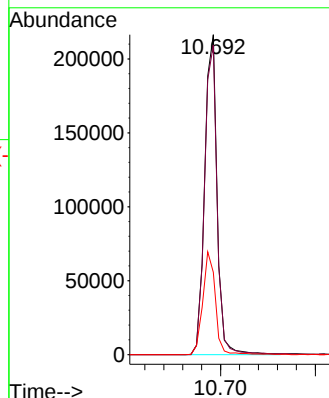
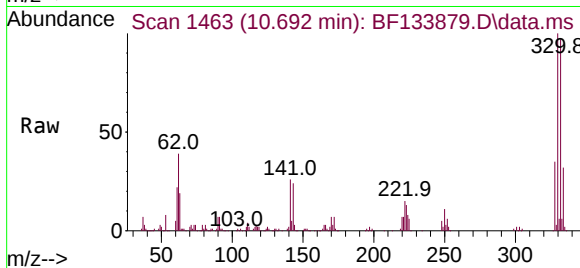
Tgt Ion:330 Resp: 197317

Ion Ratio Lower Upper

330 100

332 98.1 77.2 115.8

141 32.7 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 82.399 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF133879.D

Acq: 21 Jun 2023 19:34

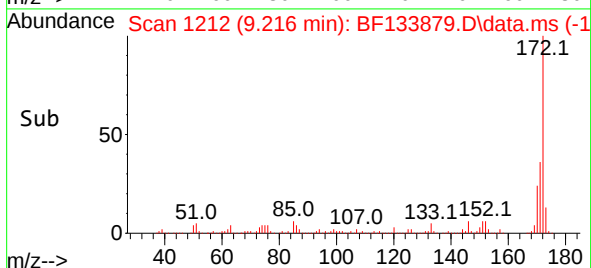
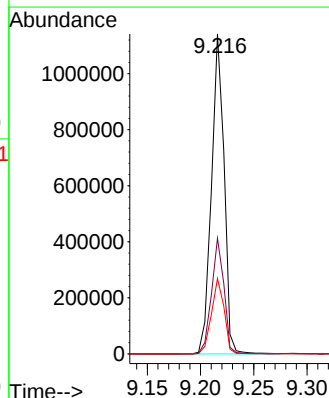
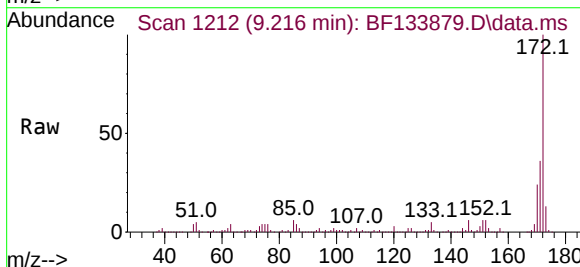
Tgt Ion:172 Resp: 940717

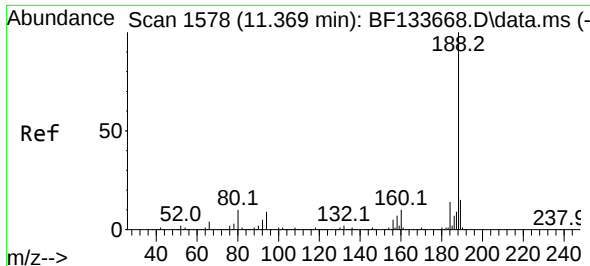
Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

170 23.5 19.1 28.7

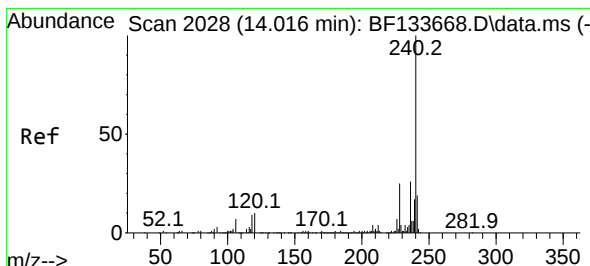
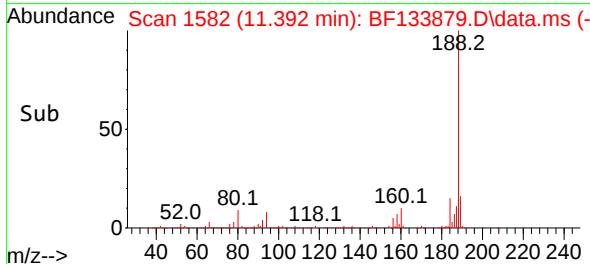
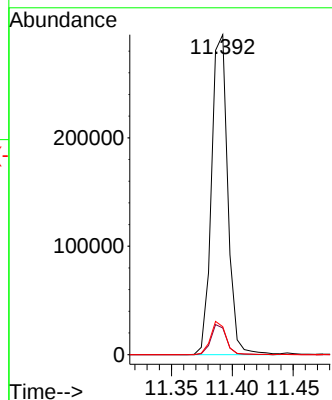
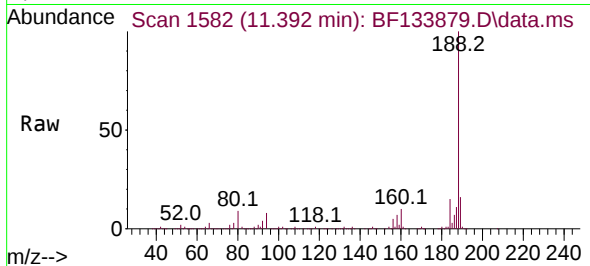




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133879.D
Acq: 21 Jun 2023 19:34

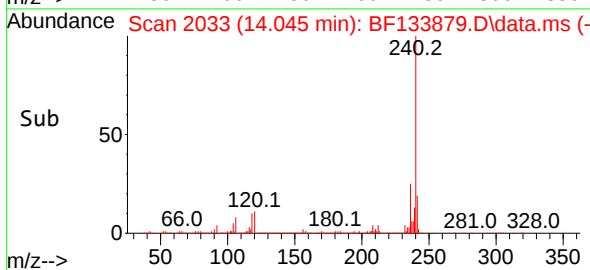
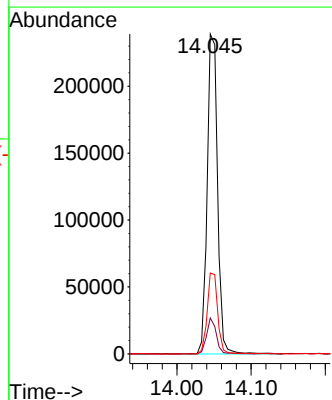
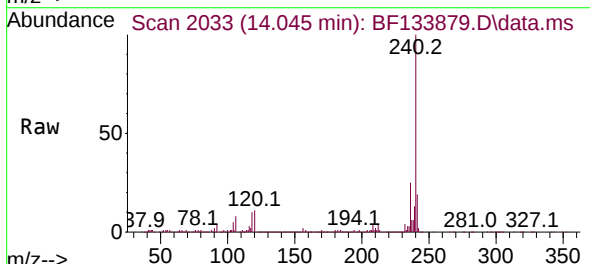
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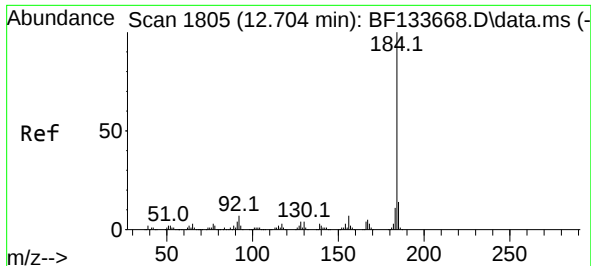
Tgt Ion:188 Resp: 274357
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 8.7 7.8 11.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133879.D
Acq: 21 Jun 2023 19:34

Tgt Ion:240 Resp: 231108
Ion Ratio Lower Upper
240 100
120 11.2 8.1 12.1
236 25.3 20.5 30.7

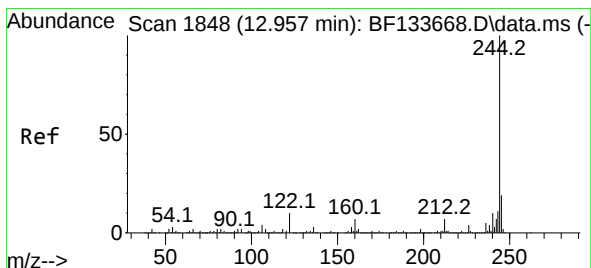
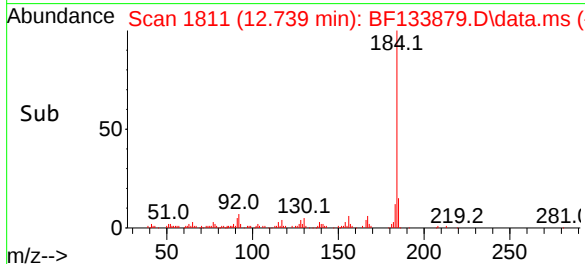
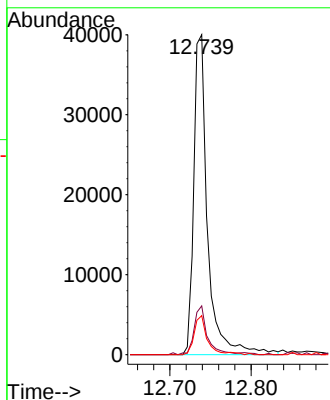
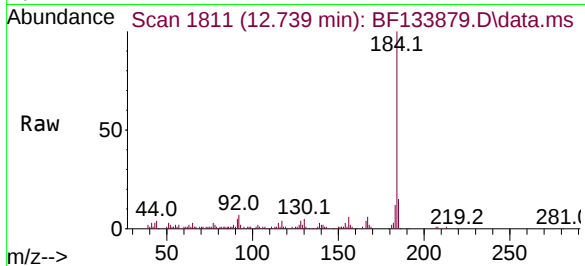




#77
Benzidine
Concen: 6.076 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF133879.D
Acq: 21 Jun 2023 19:34

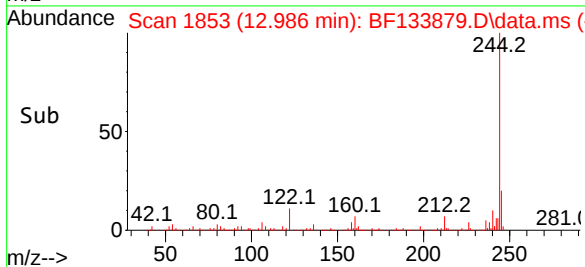
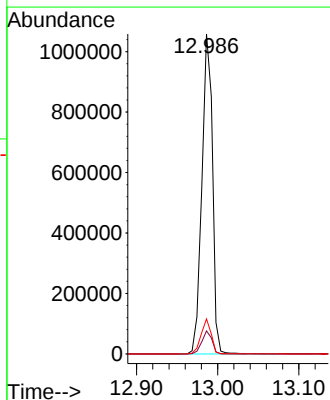
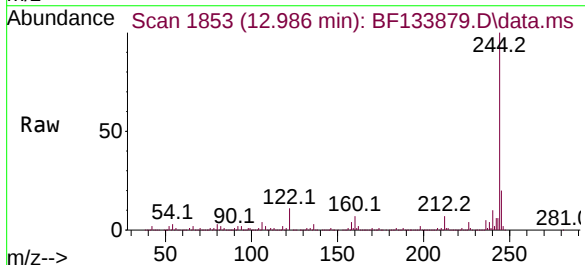
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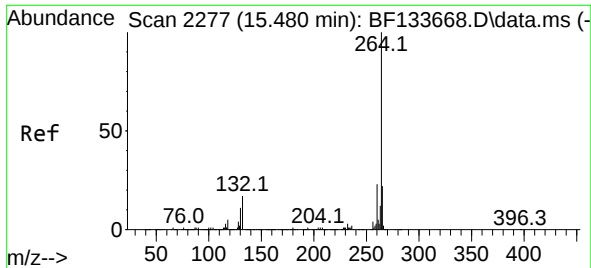
Tgt Ion:184 Resp: 47122
Ion Ratio Lower Upper
184 100
185 15.2 11.6 17.4
183 12.2 8.4 12.6



#79
Terphenyl-d14
Concen: 64.211 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.000 min
Lab File: BF133879.D
Acq: 21 Jun 2023 19:34

Tgt Ion:244 Resp: 959041
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 10.9 8.1 12.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133879.D
Acq: 21 Jun 2023 19:34

Instrument :
BNA_F
ClientSampleId :
WS-SOIL2-0615

Tgt Ion:264 Resp: 164666

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.2
265	21.1	17.8	26.6

