

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141033.D
 Acq On : 30 Dec 2024 16:20
 Operator : RC/JU
 Sample : P5362-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219

Quant Time: Dec 30 16:40:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

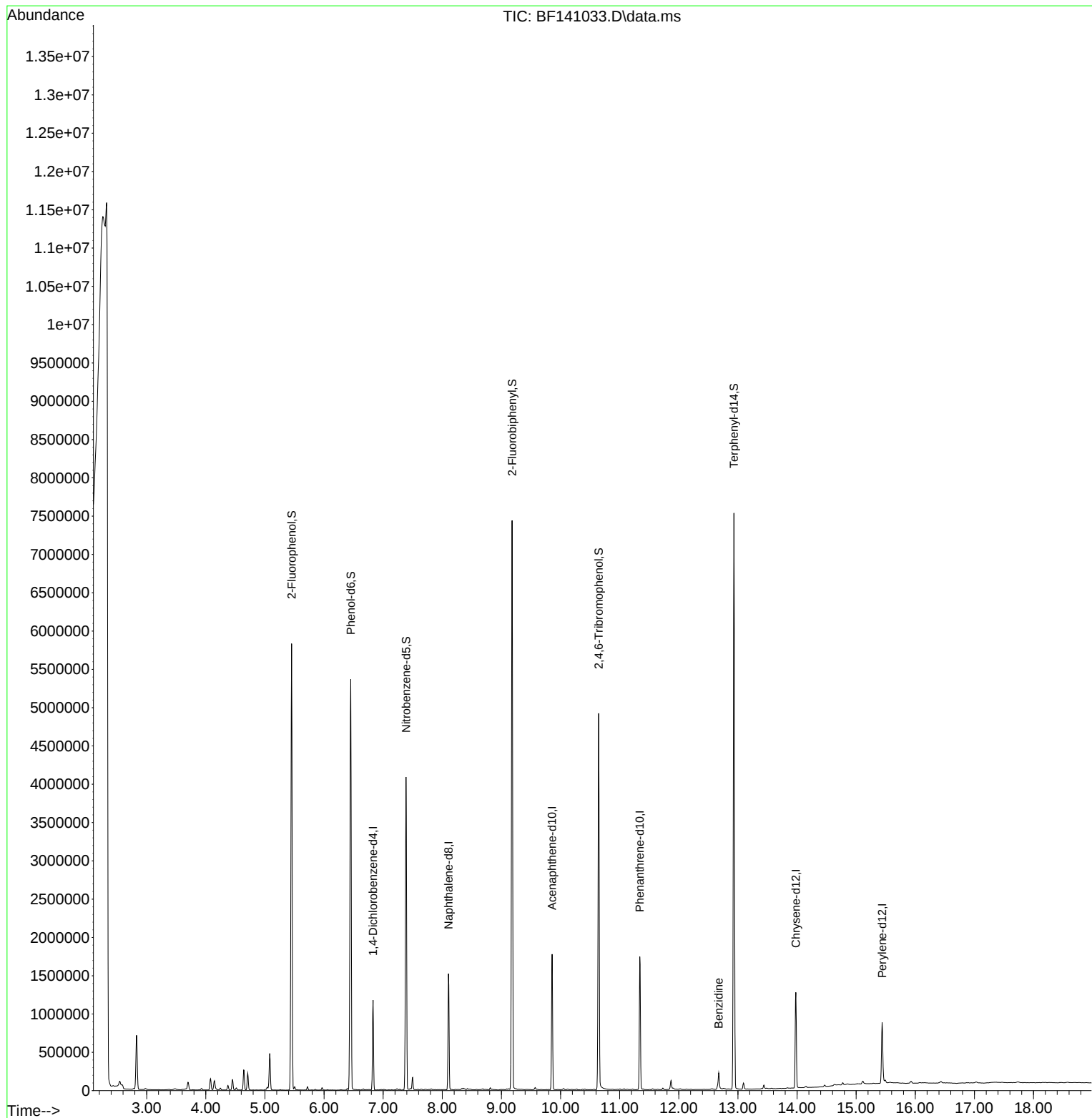
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	234997	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	939786	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	505899	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	867838	20.000	ng	0.00
76) Chrysene-d12	13.980	240	598109	20.000	ng	0.00
86) Perylene-d12	15.439	264	465570	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	2351711	150.849	ng	0.02
7) Phenol-d6	6.451	99	2856863	142.253	ng	0.00
23) Nitrobenzene-d5	7.387	82	1917940	130.568	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	934286	190.056	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3278771	103.259	ng	0.00
79) Terphenyl-d14	12.933	244	3790460	105.264	ng	0.00
Target Compounds						
77) Benzidine	12.675	184	114420	9.052	ng	Qvalue 99

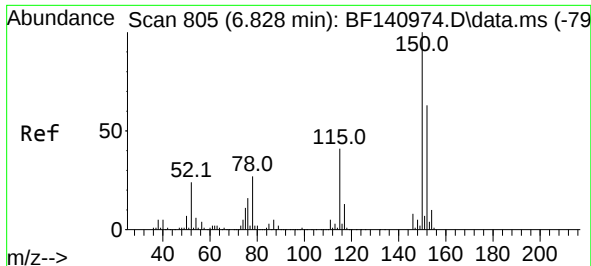
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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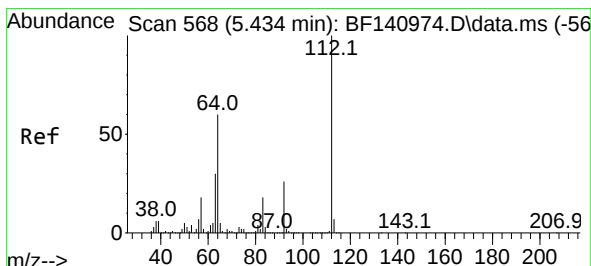
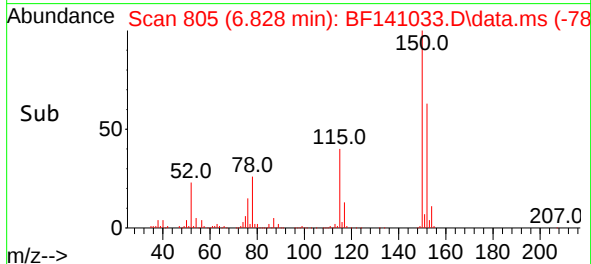
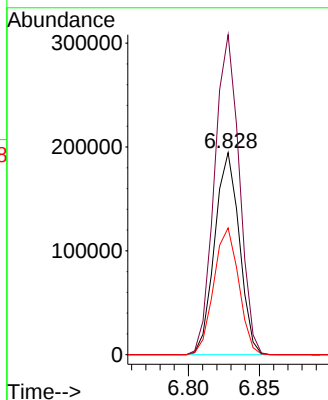
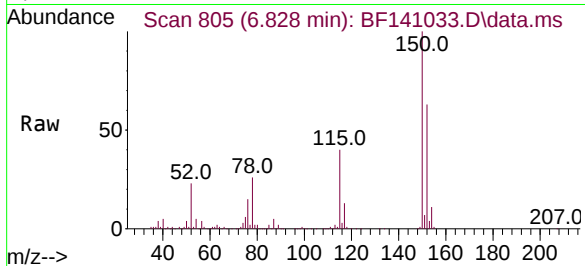




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141033.D
 Acq: 30 Dec 2024 16:20

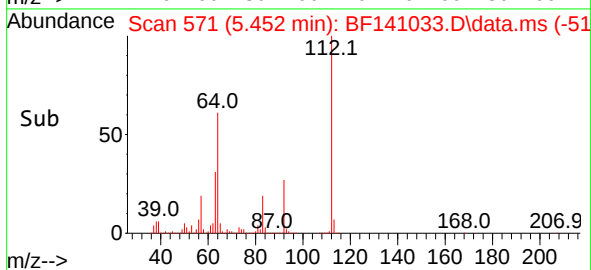
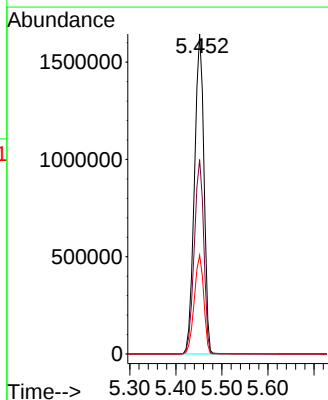
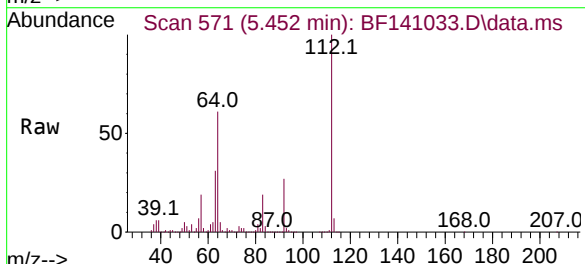
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219

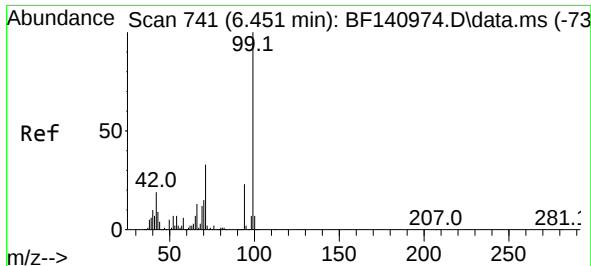
Tgt Ion:152 Resp: 234997
 Ion Ratio Lower Upper
 152 100
 150 158.3 127.0 190.6
 115 62.7 51.7 77.5



#5
 2-Fluorophenol
 Concen: 150.849 ng
 RT: 5.452 min Scan# 571
 Delta R.T. 0.018 min
 Lab File: BF141033.D
 Acq: 30 Dec 2024 16:20

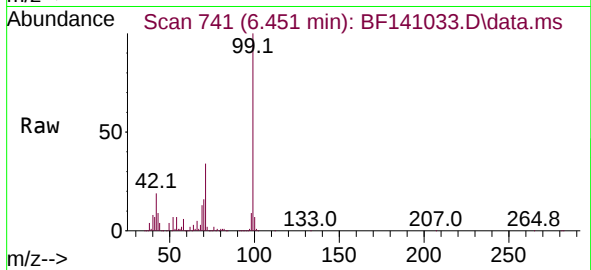
Tgt Ion:112 Resp: 2351711
 Ion Ratio Lower Upper
 112 100
 64 60.8 47.7 71.5
 63 30.9 24.2 36.2





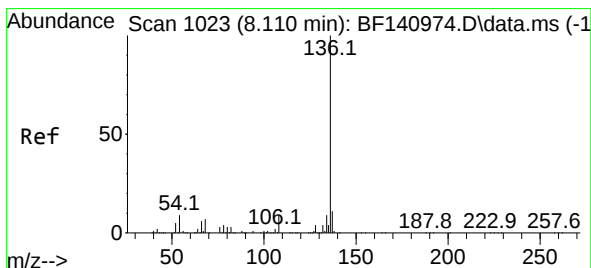
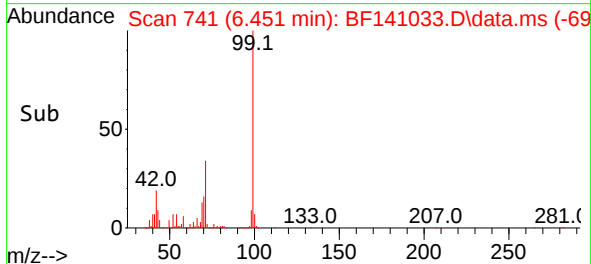
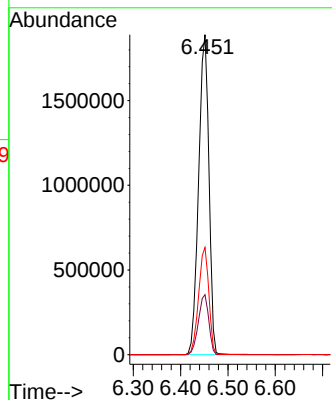
#7
Phenol-d6
Concen: 142.253 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219



Tgt Ion: 99 Resp: 2856863

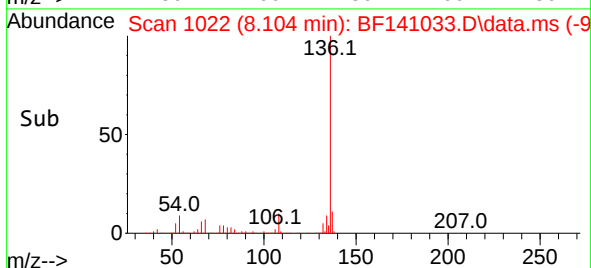
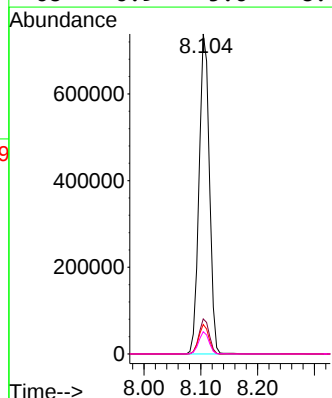
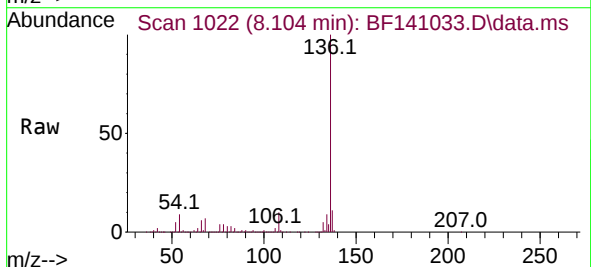
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	33.5	26.2	39.2

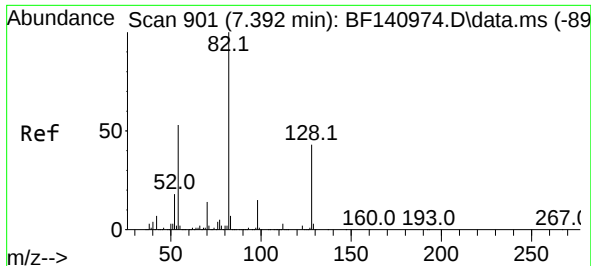


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion: 136 Resp: 939786

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.2	7.6	11.4
68	6.9	5.6	8.4





#23

Nitrobenzene-d5

Concen: 130.568 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

Instrument :

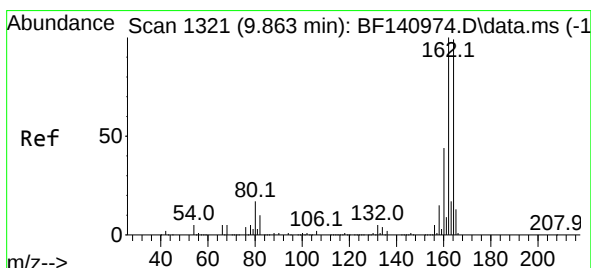
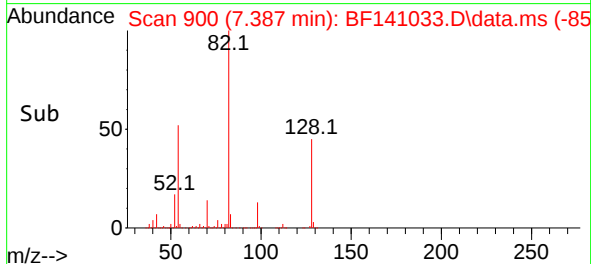
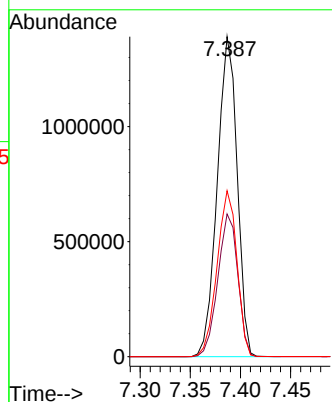
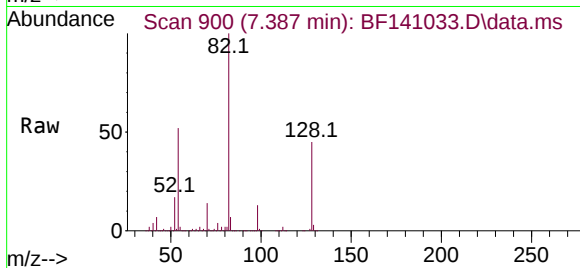
BNA_F

ClientSampleId :

WC-SOIL-20241219

Tgt Ion: 82 Resp: 1917940

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.4	51.6
54	51.9	42.4	63.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

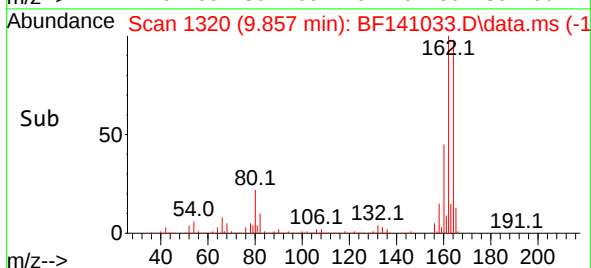
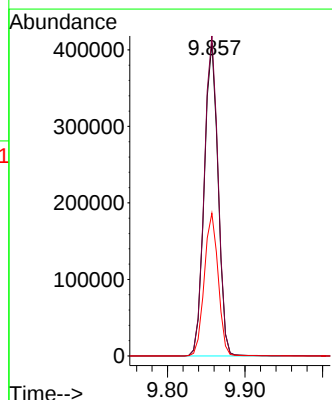
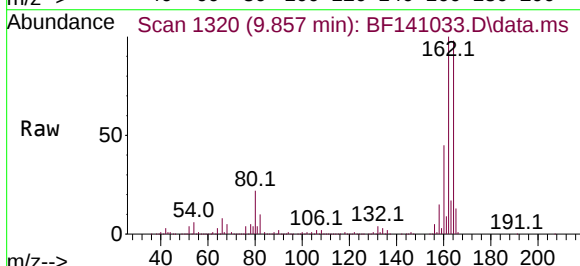
Delta R.T. -0.006 min

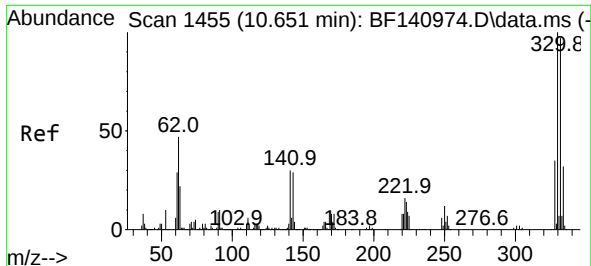
Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

Tgt Ion: 164 Resp: 505899

Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	45.6	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 190.056 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

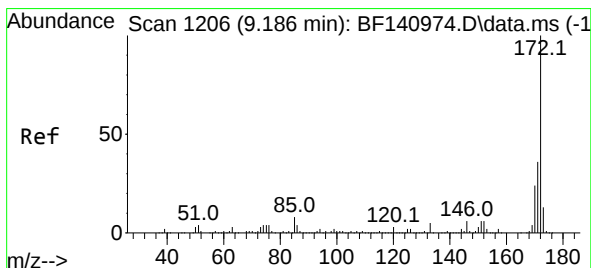
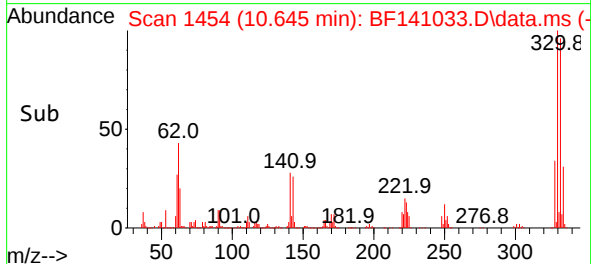
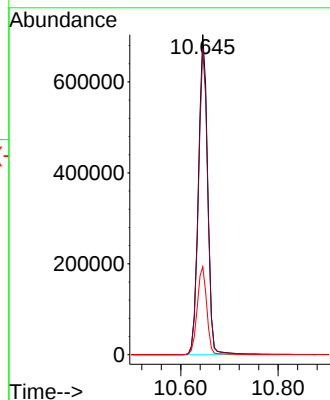
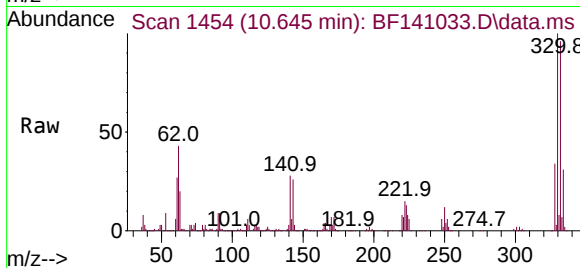
Tgt Ion:330 Resp: 934286

Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

141 28.5 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 103.259 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

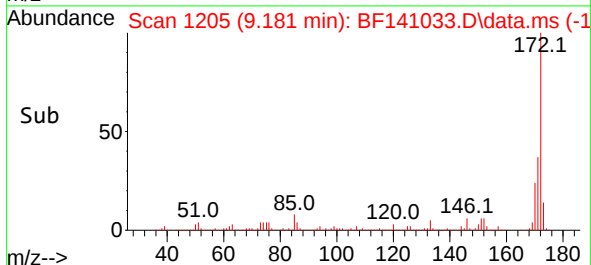
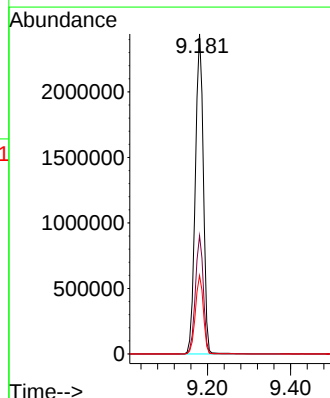
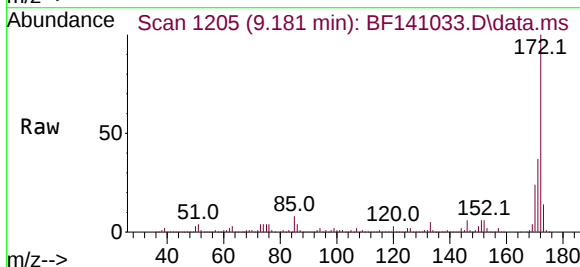
Tgt Ion:172 Resp: 3278771

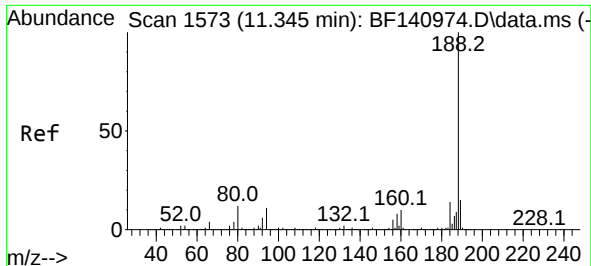
Ion Ratio Lower Upper

172 100

171 36.9 29.0 43.4

170 24.5 19.6 29.4

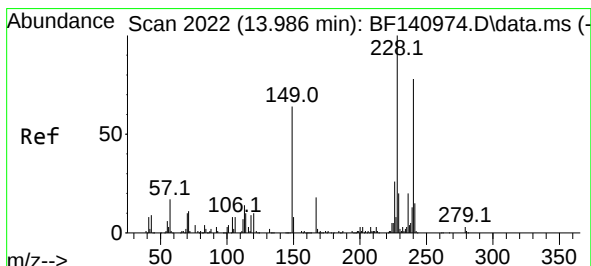
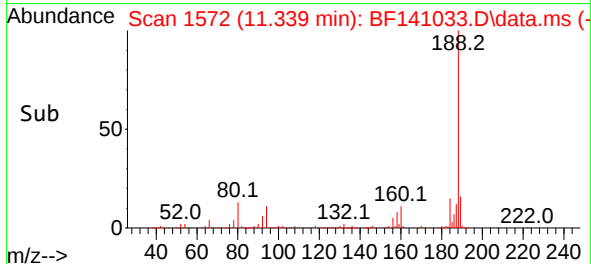
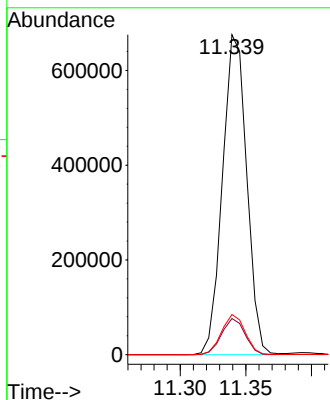
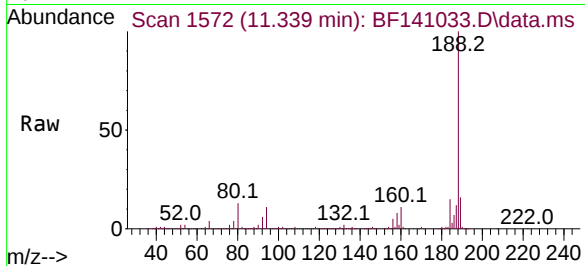




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

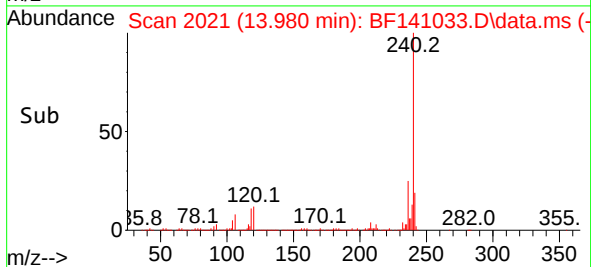
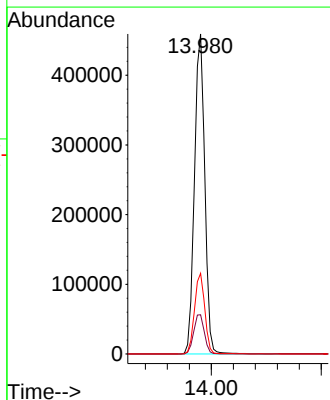
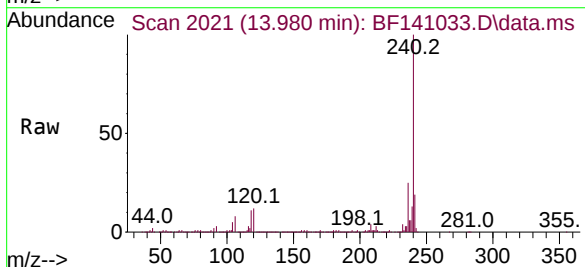
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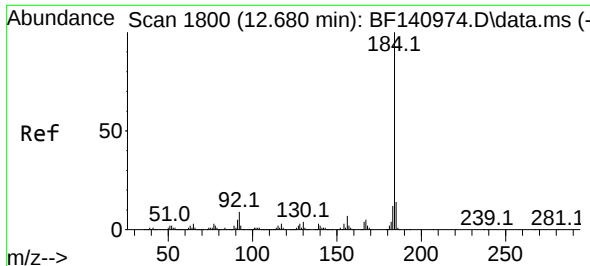
Tgt Ion:188 Resp: 867838
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 12.5 9.8 14.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion:240 Resp: 598109
Ion Ratio Lower Upper
240 100
120 12.3 10.7 16.1
236 25.2 20.6 31.0

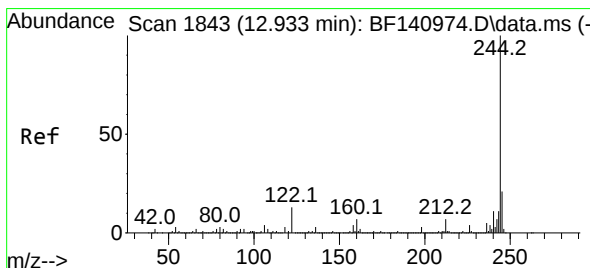
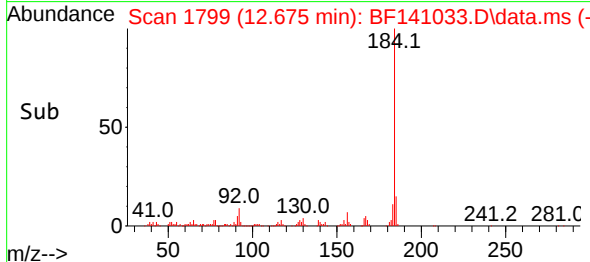
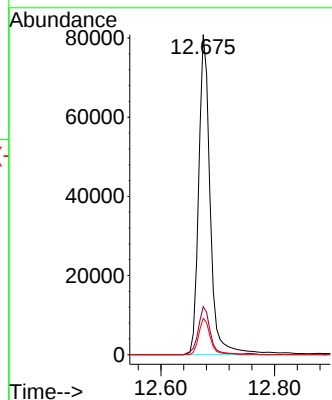
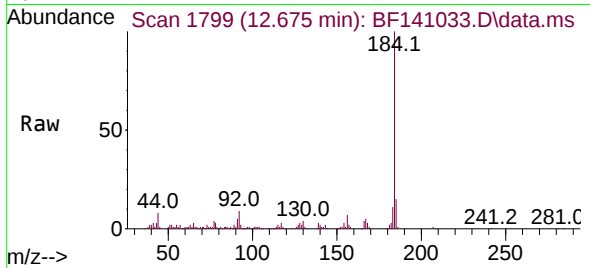




#77
Benzidine
Concen: 9.052 ng
RT: 12.675 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

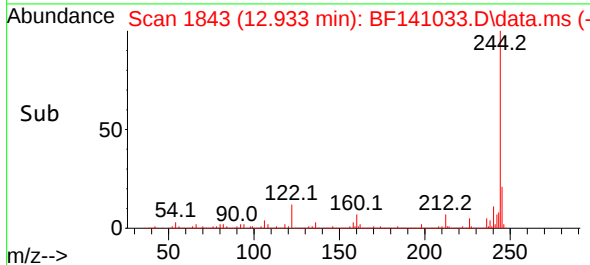
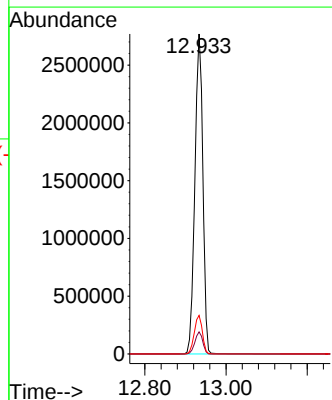
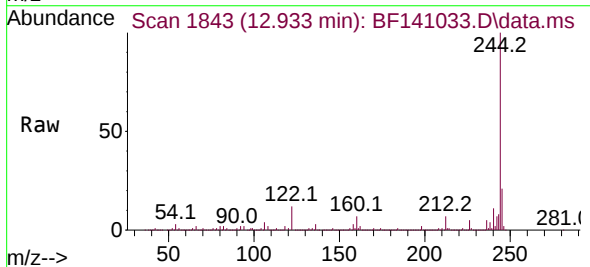
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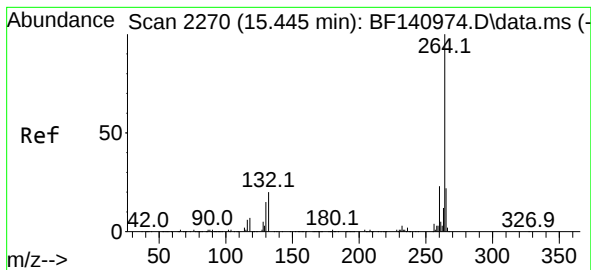
Tgt Ion:184 Resp: 114420
Ion Ratio Lower Upper
184 100
185 15.0 11.4 17.2
183 11.4 9.4 14.0



#79
Terphenyl-d14
Concen: 105.264 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion:244 Resp: 3790460
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 12.0 10.2 15.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141033.D

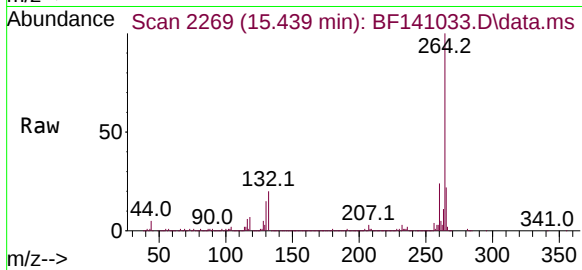
Acq: 30 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219



Tgt Ion:264 Resp: 465570

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.7 17.4 26.2

