

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135211.D
 Acq On : 13 Sep 2023 07:38
 Operator : CG\JU
 Sample : 04293-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

Quant Time: Sep 13 08:12:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

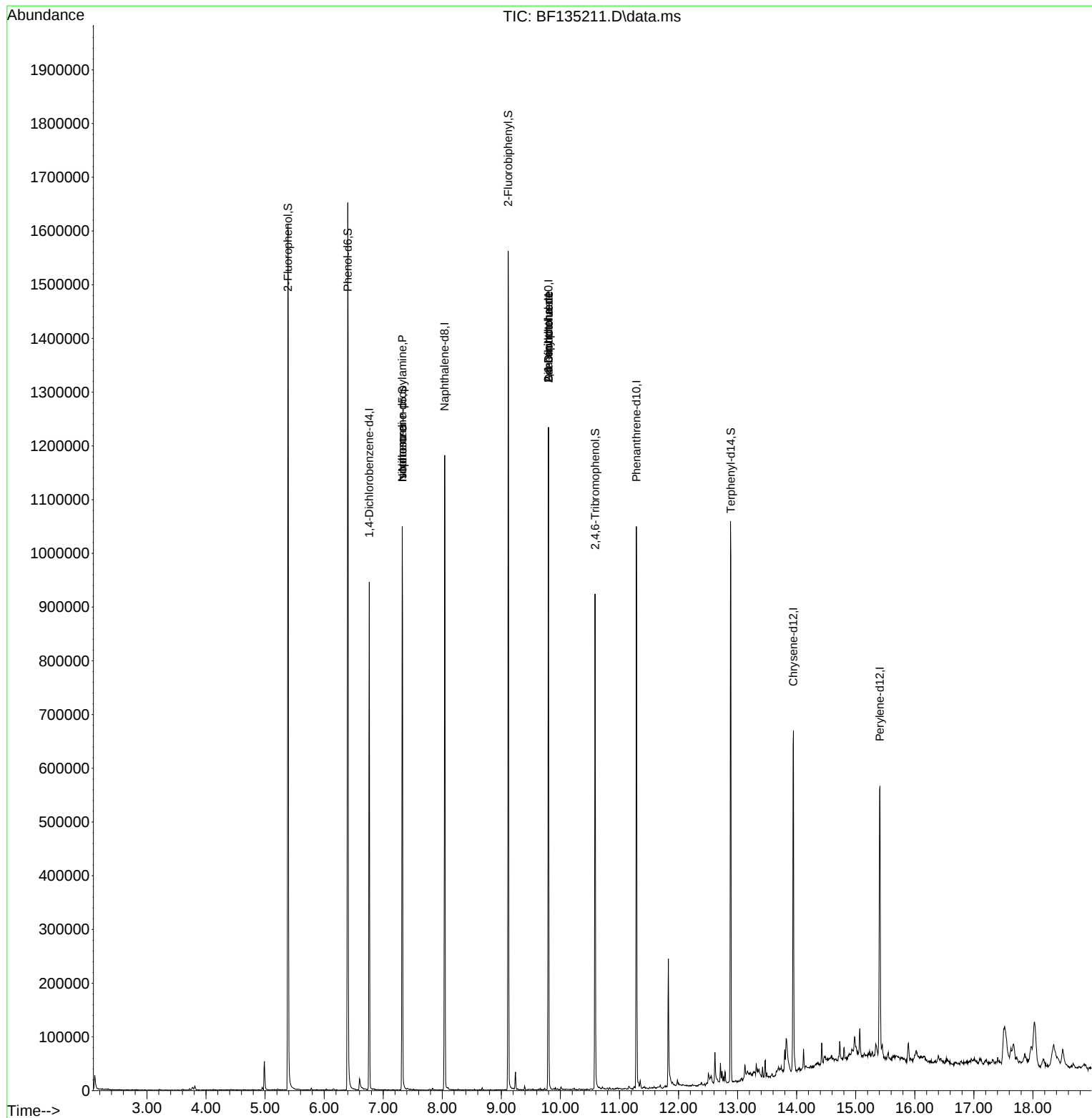
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	126347	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	482809	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	227107	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	379880	20.000	ng	0.00
76) Chrysene-d12	13.945	240	219084	20.000	ng	# 0.00
86) Perylene-d12	15.410	264	258071	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	418073	53.818	ng	0.00
7) Phenol-d6	6.398	99	543065	54.978	ng	0.00
23) Nitrobenzene-d5	7.322	82	315856	35.543	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	99024	43.876	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	470230	31.238	ng	-0.01
79) Terphenyl-d14	12.886	244	367623	26.012	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	40697	6.652	ng	# 78
25) Isophorone	7.322	82	315852	19.356	ng	# 65
50) Dimethylphthalate	9.798	163	46747	3.044	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	29382	8.735	ng	# 17
57) 2,4-Dinitrotoluene	9.798	165	29382	6.977	ng	# 18

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

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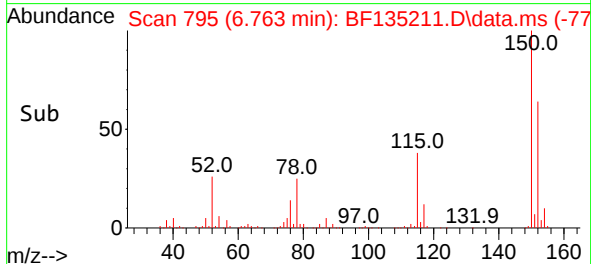
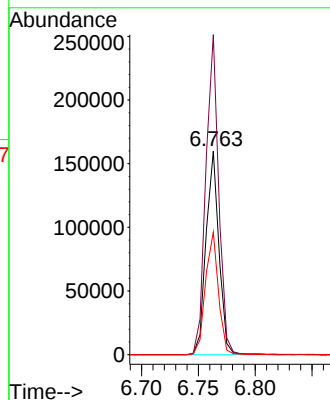
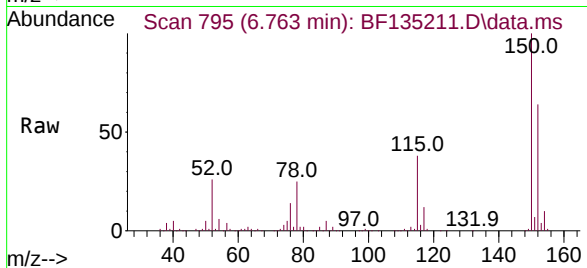




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

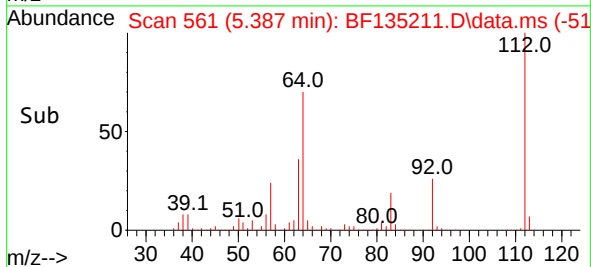
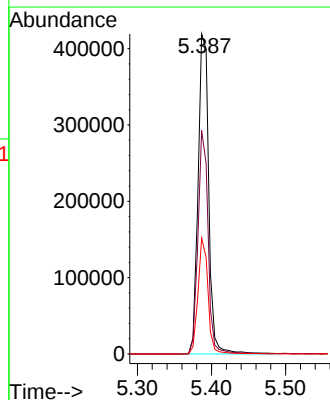
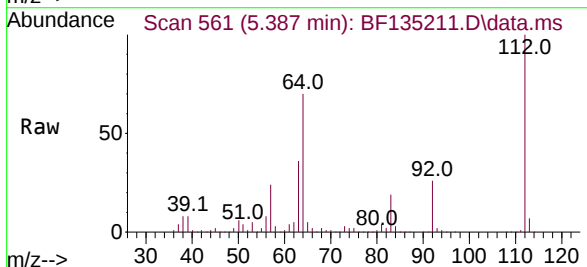
Instrument :
BNA_F
ClientSampleId :
SOIL

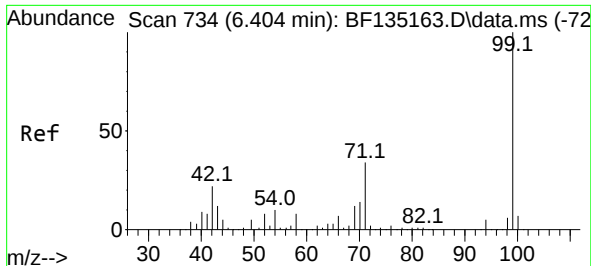
Tgt Ion:152 Resp: 126347
Ion Ratio Lower Upper
152 100
150 157.1 127.8 191.6
115 60.2 49.8 74.8



#5
2-Fluorophenol
Concen: 53.818 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

Tgt Ion:112 Resp: 418073
Ion Ratio Lower Upper
112 100
64 69.8 55.9 83.9
63 36.2 29.0 43.6

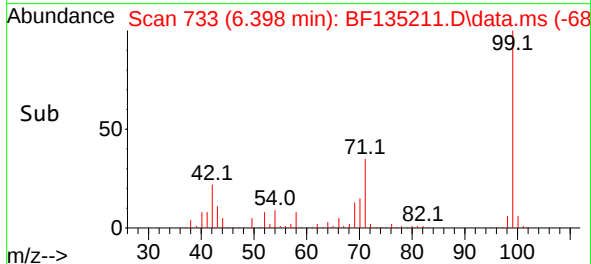
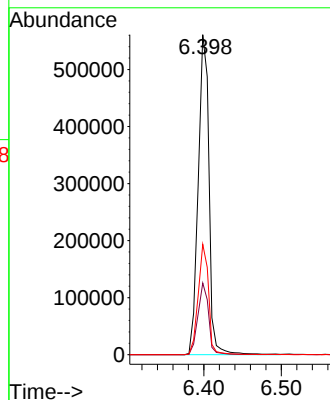
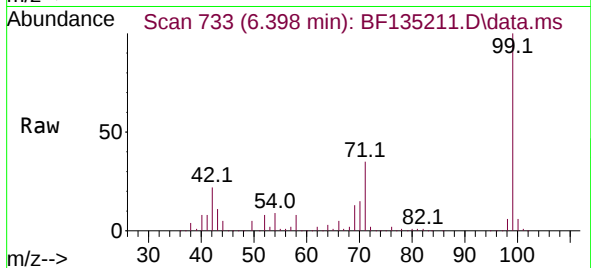




#7
Phenol-d6
Concen: 54.978 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

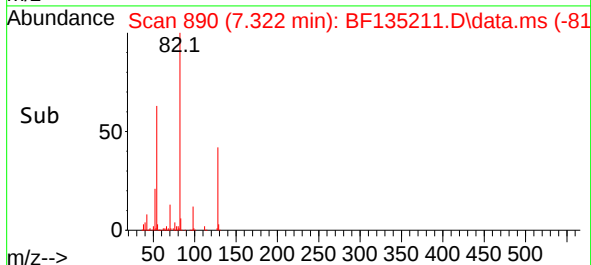
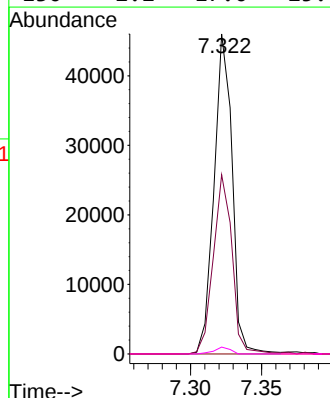
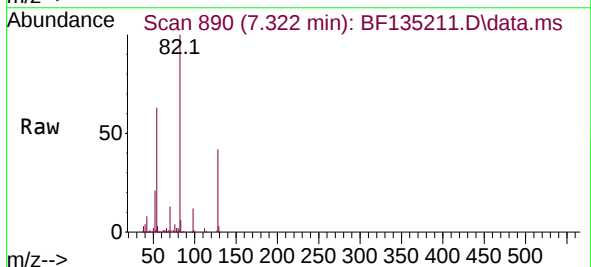
Instrument :
BNA_F
ClientSampleId :
SOIL

Tgt Ion: 99 Resp: 543065
Ion Ratio Lower Upper
99 100
42 22.4 17.9 26.9
71 34.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.652 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.136 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

Tgt Ion: 70 Resp: 40697
Ion Ratio Lower Upper
70 100
42 56.0 55.4 83.0
101 0.0 7.7 11.5#
130 2.2 17.0 25.6#

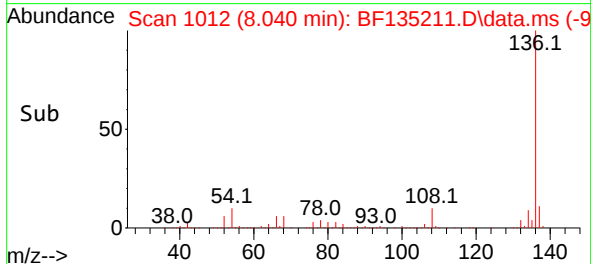
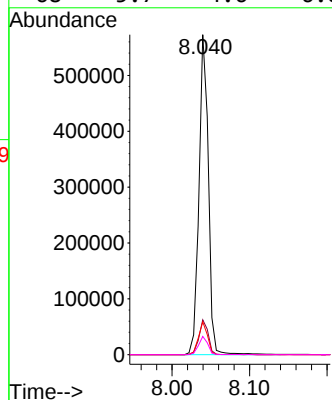
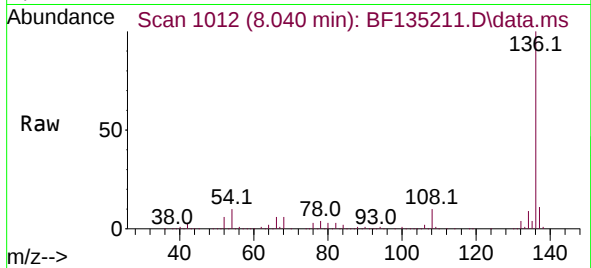




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

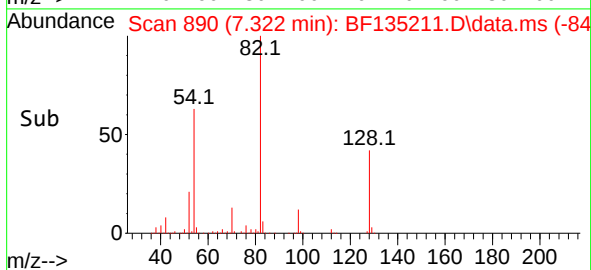
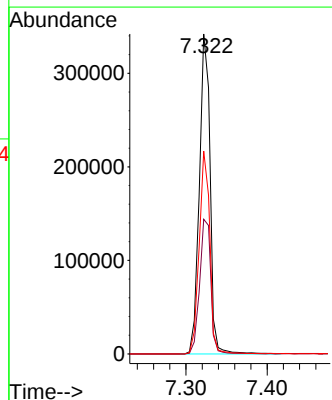
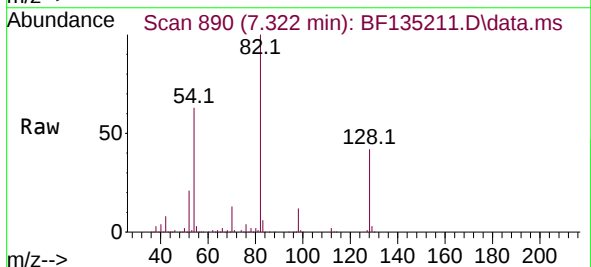
Instrument :
BNA_F
ClientSampleId :
SOIL

Tgt Ion:136	Resp: 482809
Ion Ratio	Lower Upper
136 100	
137 10.9	8.8 13.2
54 10.3	7.7 11.5
68 5.7	4.6 6.8



#23
Nitrobenzene-d5
Concen: 35.543 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

Tgt Ion: 82	Resp: 315856
Ion Ratio	Lower Upper
82 100	
128 42.1	35.8 53.6
54 63.4	50.6 76.0

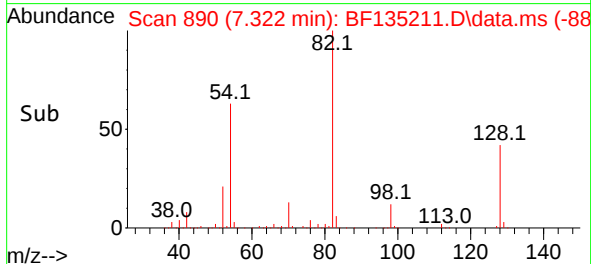
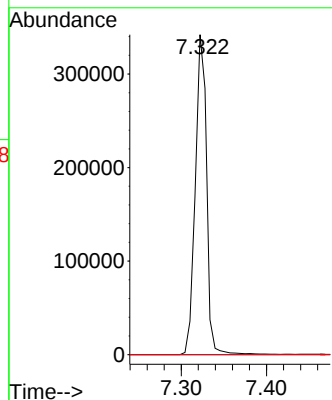
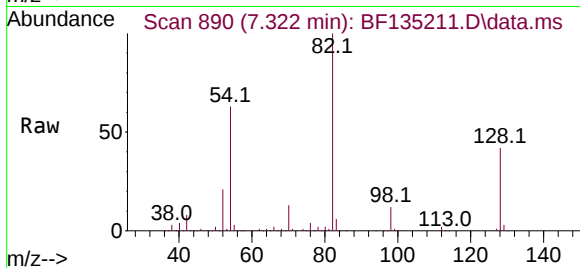




#25
Isophorone
Concen: 19.356 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

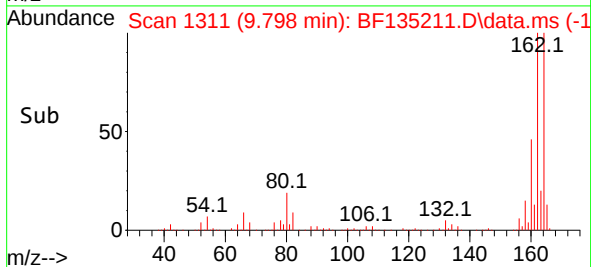
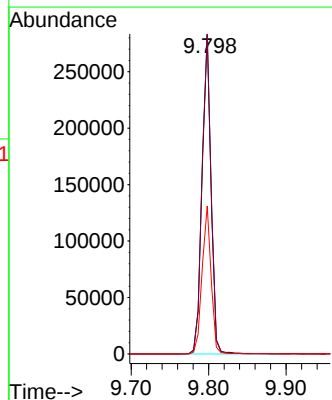
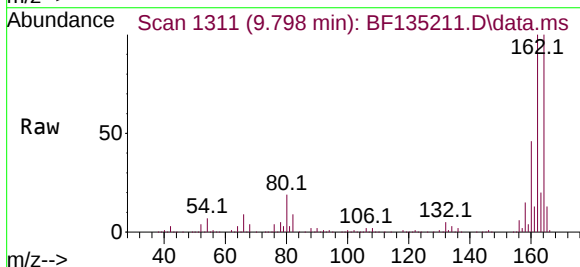
Instrument :
BNA_F
ClientSampleId :
SOIL

Tgt Ion: 82 Resp: 315852
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

Tgt Ion: 164 Resp: 227107
Ion Ratio Lower Upper
164 100
162 100.2 81.0 121.4
160 46.3 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 43.876 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135211.D

Acq: 13 Sep 2023 07:38

Instrument :

BNA_F

ClientSampleId :

SOIL

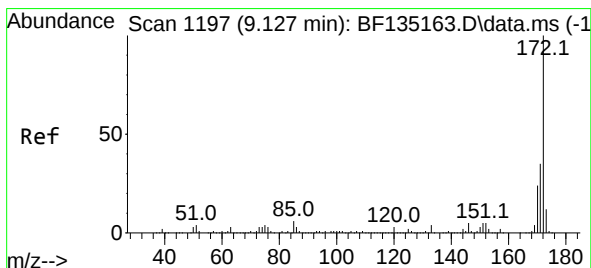
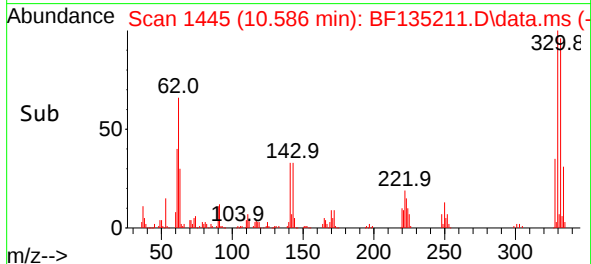
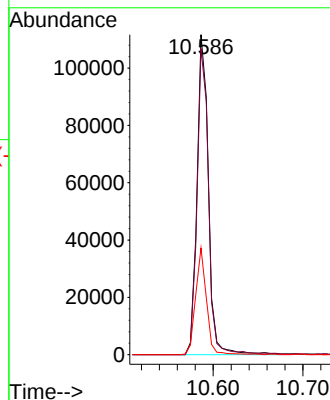
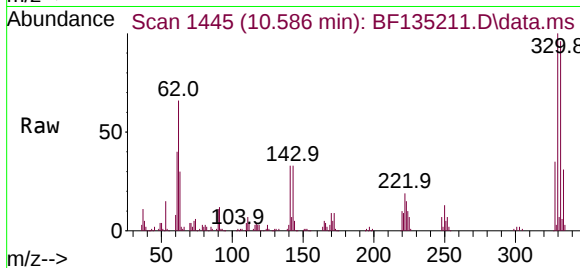
Tgt Ion:330 Resp: 99024

Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 31.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 31.238 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135211.D

Acq: 13 Sep 2023 07:38

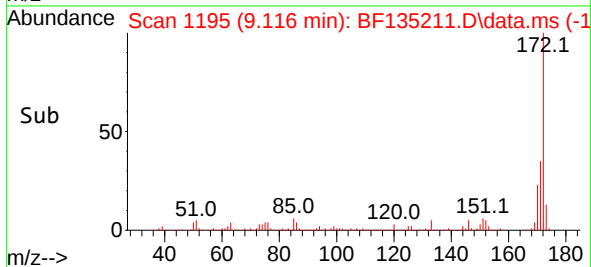
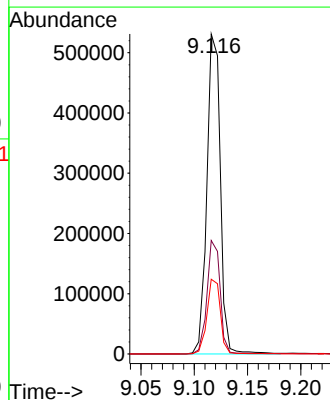
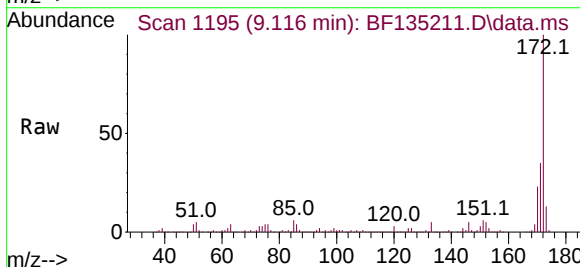
Tgt Ion:172 Resp: 470230

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.4 19.0 28.4

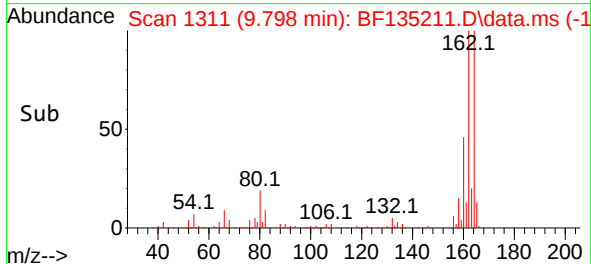
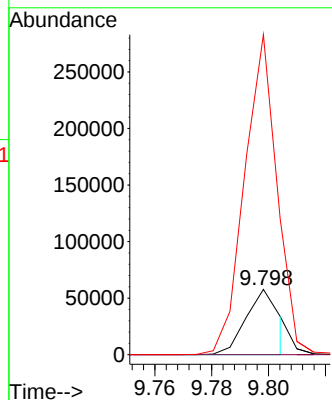
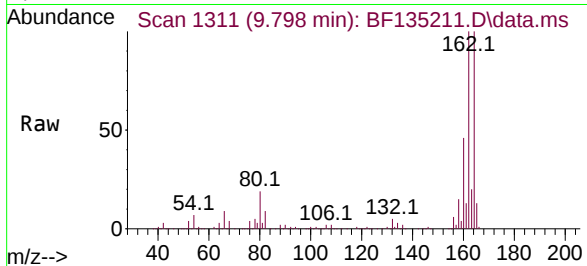




#50
Dimethylphthalate
Concen: 3.044 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.265 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

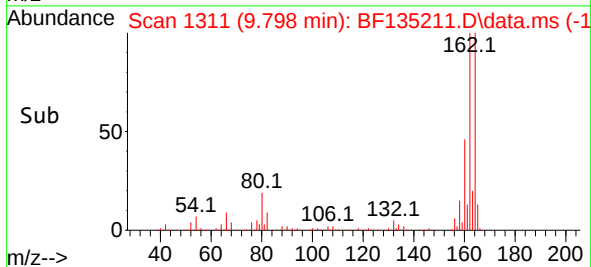
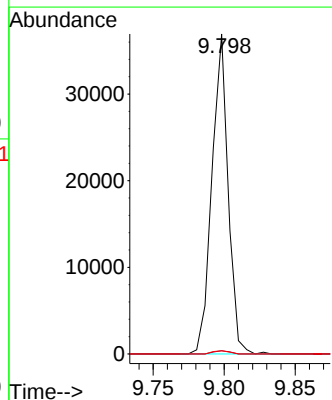
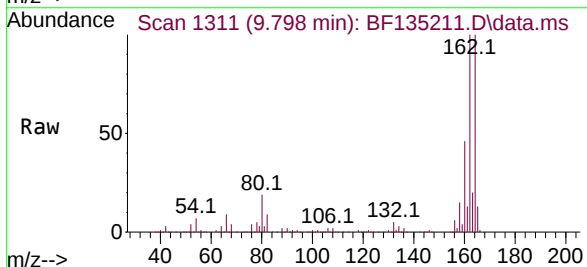
Instrument :
BNA_F
ClientSampleId :
SOIL

Tgt Ion:163 Resp: 46747
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 490.3 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.735 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

Tgt Ion:165 Resp: 29382
Ion Ratio Lower Upper
165 100
63 1.0 59.4 89.2#
89 1.0 49.8 74.8#

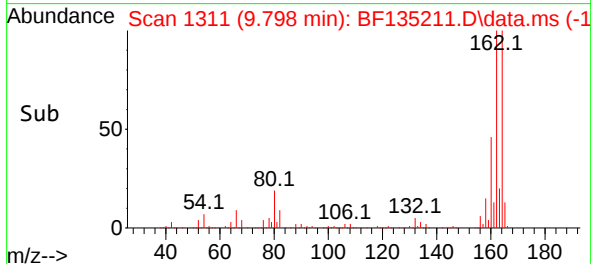
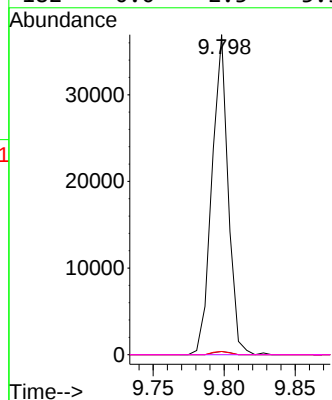
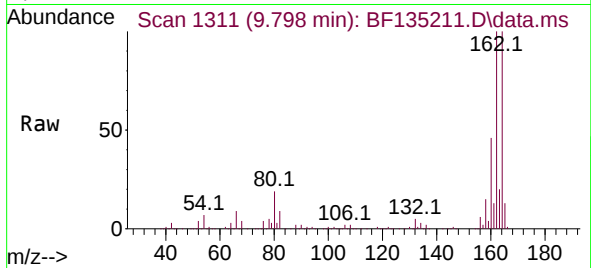




#57
2,4-Dinitrotoluene
Concen: 6.977 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

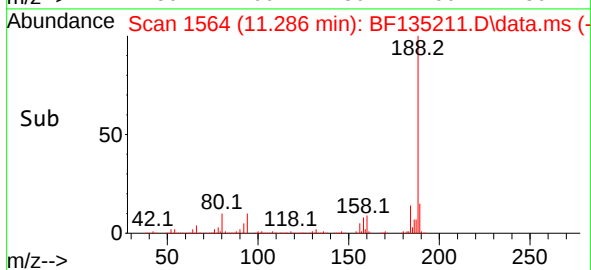
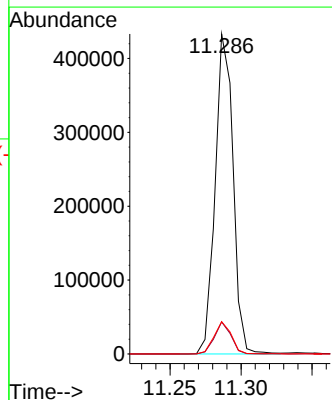
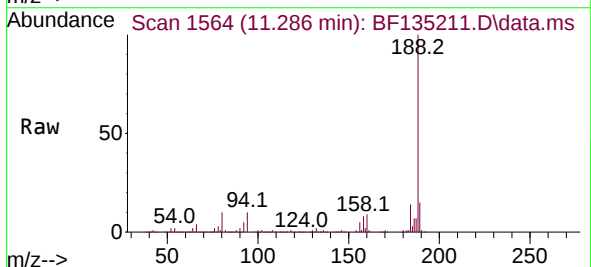
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BNA_F
ClientSampleId :
SOIL

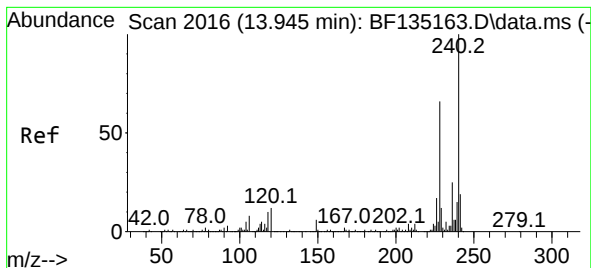
Tgt Ion:165 Resp: 29382
Ion Ratio Lower Upper
165 100
63 1.0 50.1 75.1#
89 1.0 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135211.D
Acq: 13 Sep 2023 07:38

Tgt Ion:188 Resp: 379880
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.1 7.5 11.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135211.D

Acq: 13 Sep 2023 07:38

Instrument :

BNA_F

ClientSampleId :

SOIL

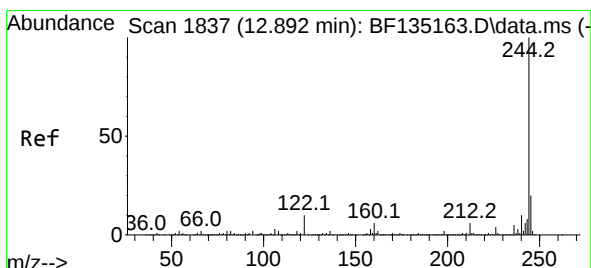
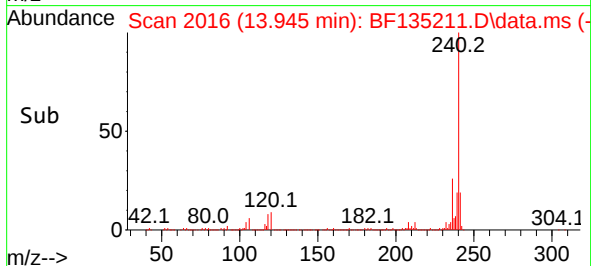
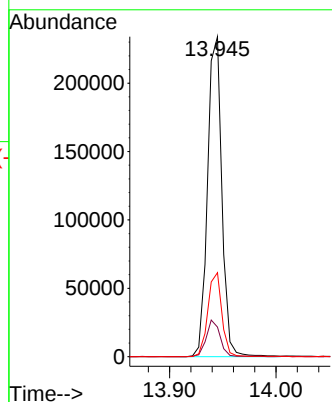
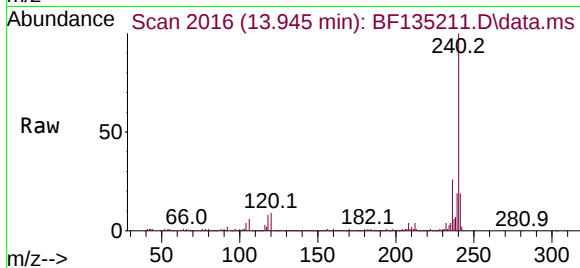
Tgt Ion:240 Resp: 219084

Ion Ratio Lower Upper

240 100

120 9.2 9.4 14.2#

236 26.3 19.8 29.8



#79

Terphenyl-d14

Concen: 26.012 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135211.D

Acq: 13 Sep 2023 07:38

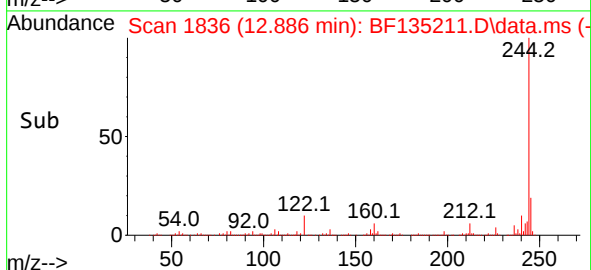
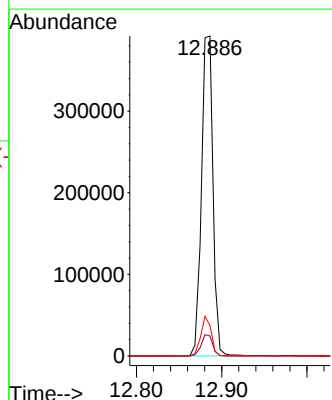
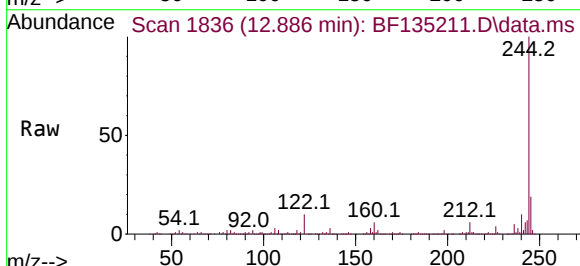
Tgt Ion:244 Resp: 367623

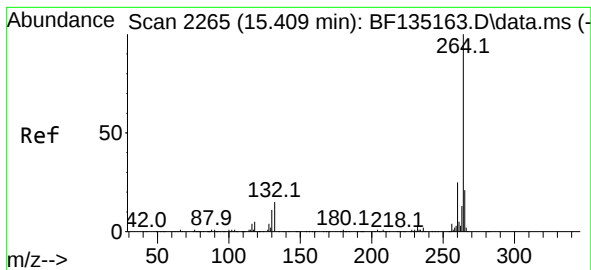
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 9.6 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135211.D

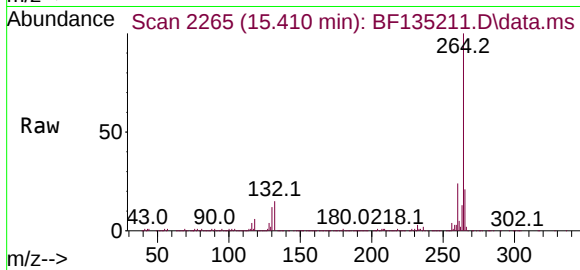
Acq: 13 Sep 2023 07:38

Instrument :

BNA_F

ClientSampleId :

SOIL



Tgt Ion:264 Resp: 258071

Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.6

265 20.8 17.0 25.4

