

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132777.D
 Acq On : 14 Mar 2023 14:36
 Operator : CG\JU
 Sample : 01877-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-SOIL

Quant Time: Mar 14 15:38:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

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

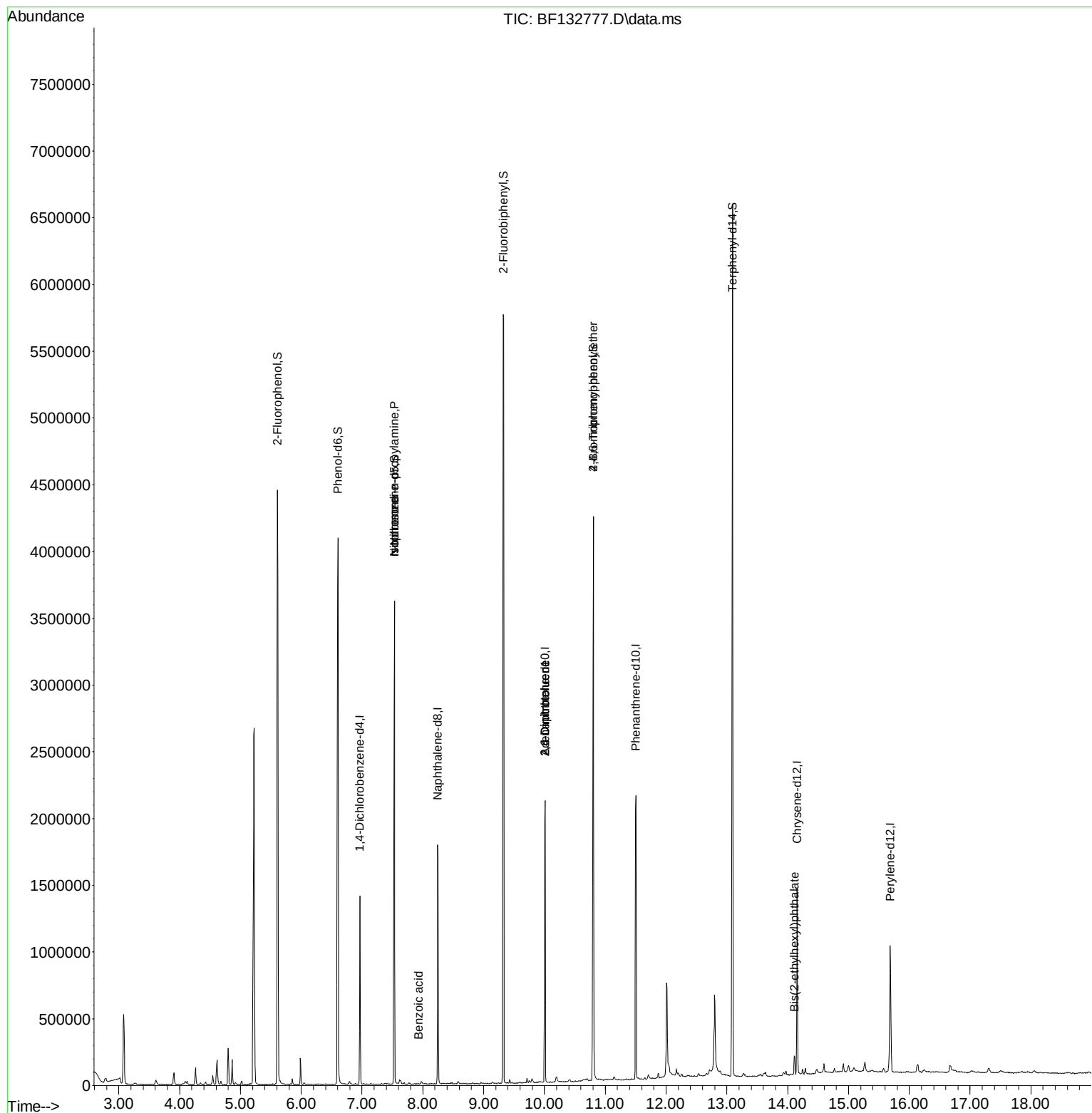
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	218348	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	800993	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	431864	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	838901	20.000	ng	0.00
76) Chrysene-d12	14.157	240	432624	20.000	ng	# 0.00
86) Perylene-d12	15.686	264	446726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	1394832	103.677	ng	0.02
7) Phenol-d6	6.604	99	1655506	94.287	ng	0.00
23) Nitrobenzene-d5	7.534	82	1240015	73.448	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	550966	118.133	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	2007393	70.776	ng	0.00
79) Terphenyl-d14	13.092	244	2444003	95.515	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.534	70	161229	14.920	ng	# 74
25) Isophorone	7.534	82	1240005	38.309	ng	# 67
32) Benzoic acid	7.934	122	307	3.865	ng	90
51) 2,6-Dinitrotoluene	10.010	165	57529	8.033	ng	# 22
57) 2,4-Dinitrotoluene	10.010	165	57529	6.038	ng	# 21
67) 4-Bromophenyl-phenylether	10.804	248	36162	3.811	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.110	149	52196	2.737	ng	99

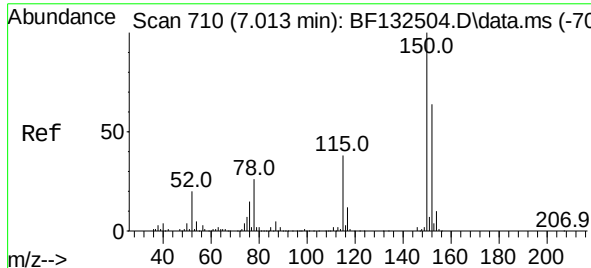
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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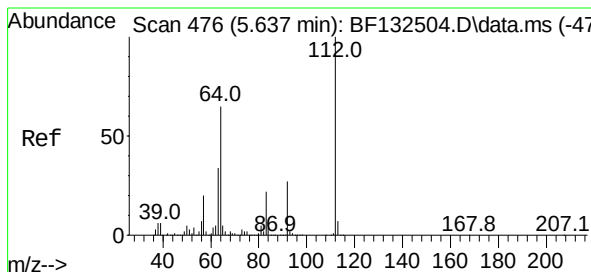
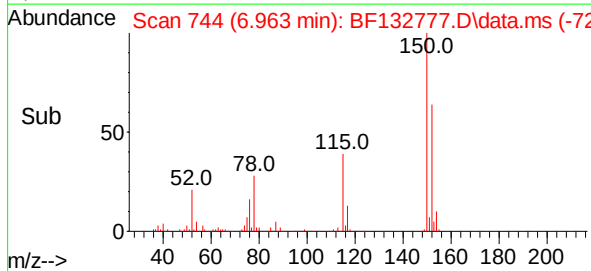
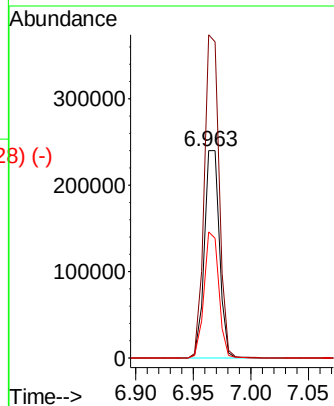
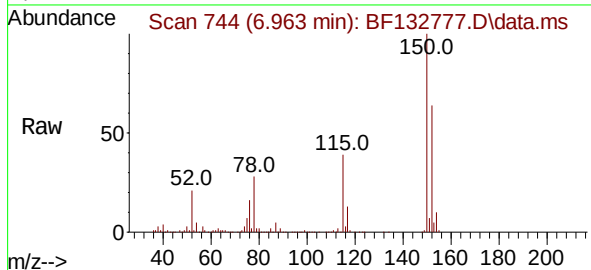




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan#
 Delta R.T. -0.006 min
 Lab File: BF132777.D
 Acq: 14 Mar 2023 14:36

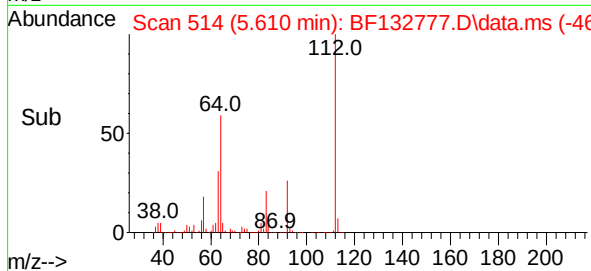
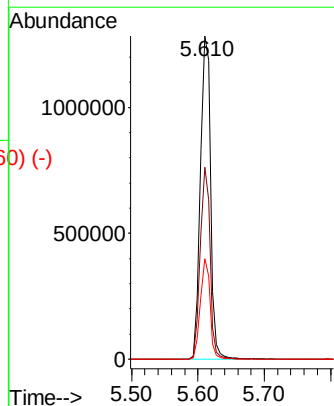
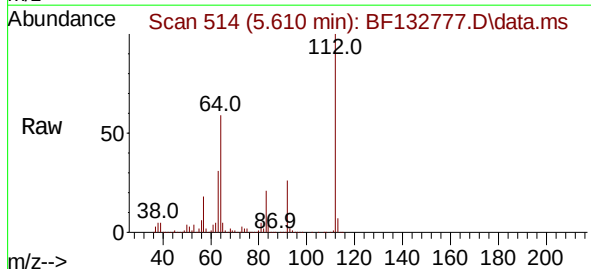
Instrument :
 BNA_F
 ClientSampleId :
 COMP-SOIL

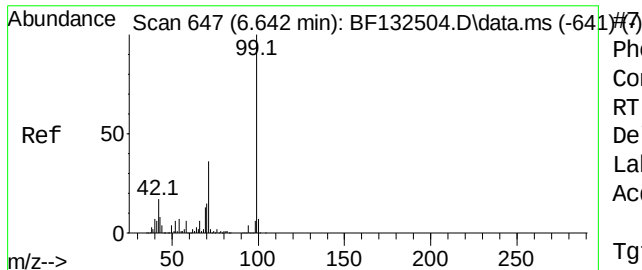
Tgt Ion:152 Resp: 218348
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.4 188.2
 115 60.8 47.8 71.6



2-Fluorophenol
 Concen: 103.677 ng
 RT: 5.610 min Scan# 514
 Delta R.T. 0.018 min
 Lab File: BF132777.D
 Acq: 14 Mar 2023 14:36

Tgt Ion:112 Resp: 1394832
 Ion Ratio Lower Upper
 112 100
 64 59.4 51.6 77.4
 63 31.0 27.4 41.2

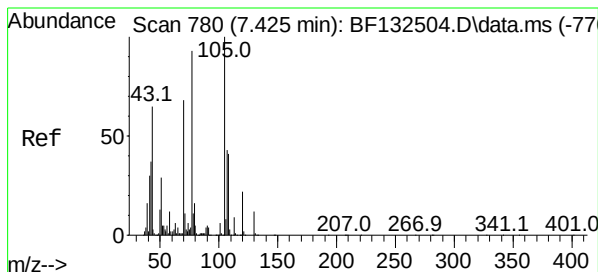
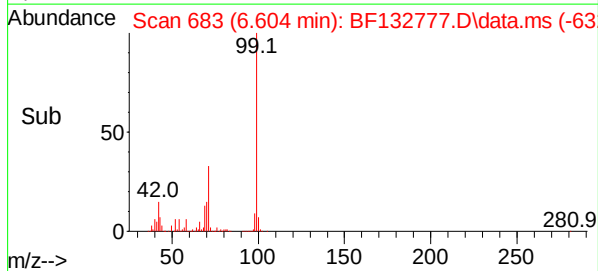
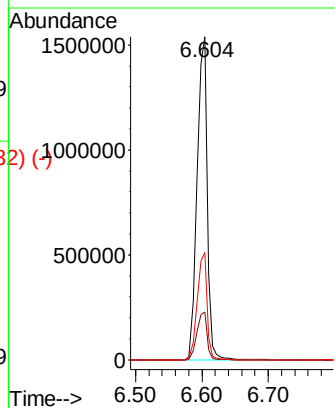
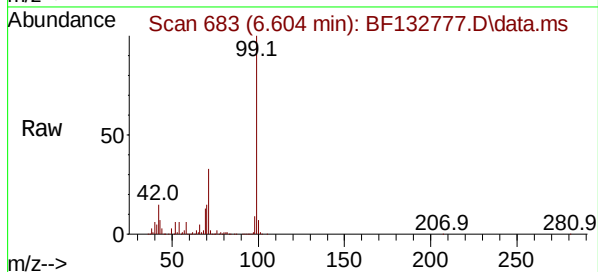




Phenol-d6
Concen: 94.287 ng
RT: 6.604 min Scan# 647
Delta R.T. -0.000 min
Lab File: BF132777.D
Acq: 14 Mar 2023 14:36

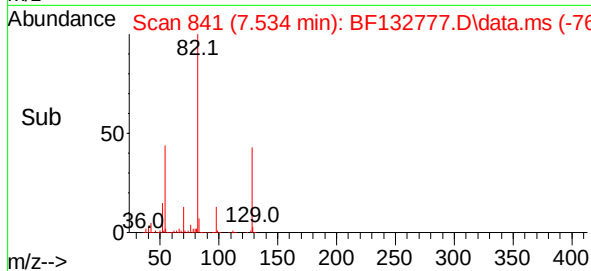
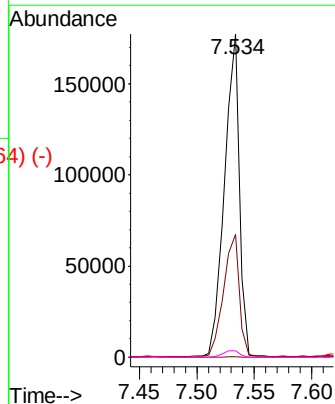
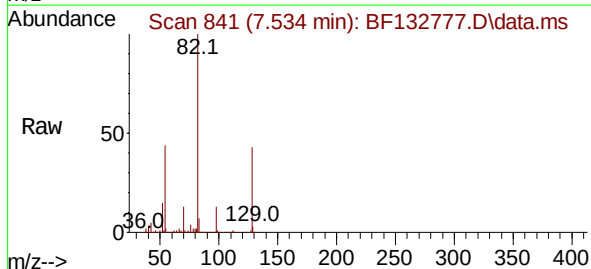
Instrument :
BNA_F
ClientSampleId :
COMP-SOIL

Tgt Ion: 99 Resp: 1655506
Ion Ratio Lower Upper
99 100
42 14.8 13.9 20.9
71 33.3 28.5 42.7



n-Nitroso-di-n-propylamine
Concen: 14.920 ng
RT: 7.534 min Scan# 841
Delta R.T. 0.153 min
Lab File: BF132777.D
Acq: 14 Mar 2023 14:36

Tgt Ion: 70 Resp: 161229
Ion Ratio Lower Upper
70 100
42 38.1 44.1 66.1#
101 0.1 7.4 11.2#
130 2.0 14.2 21.4#



Abundance Scan 929 (8.301 min): BF132504.D\data.ms (-922) #21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF132777.D

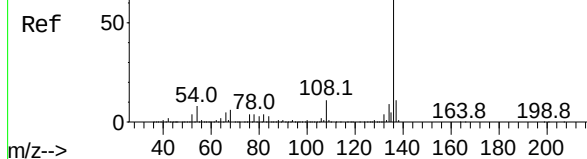
Acq: 14 Mar 2023 14:36

Instrument :

BNA_F

ClientSampleId :

COMP-SOIL



Tgt Ion:136 Resp: 800993

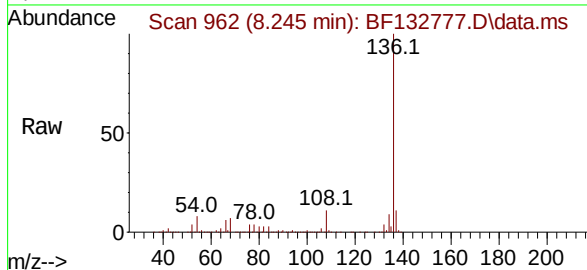
Ion Ratio Lower Upper

136 100

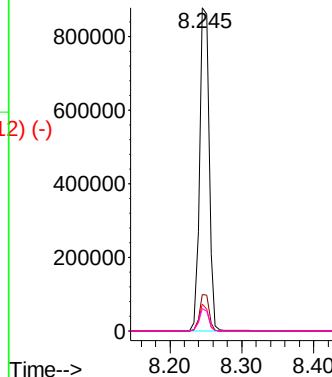
137 11.2 8.9 13.3

54 8.3 6.2 9.4

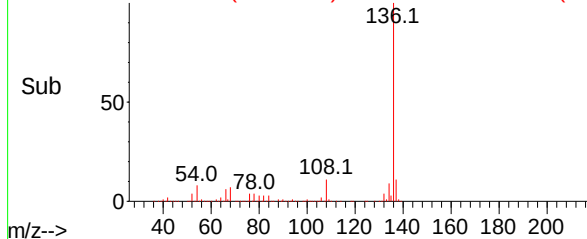
68 6.9 5.2 7.8



Abundance



Abundance Scan 962 (8.245 min): BF132777.D\data.ms (-912) (-)



Abundance Scan 806 (7.578 min): BF132504.D\data.ms (-800) #23

Nitrobenzene-d5

Concen: 73.448 ng

RT: 7.534 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

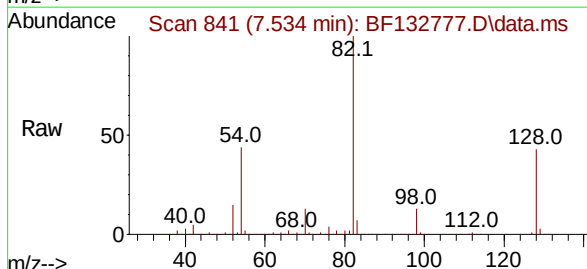
Tgt Ion: 82 Resp: 1240015

Ion Ratio Lower Upper

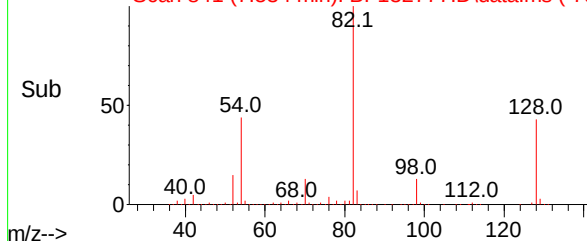
82 100

128 42.8 32.2 48.2

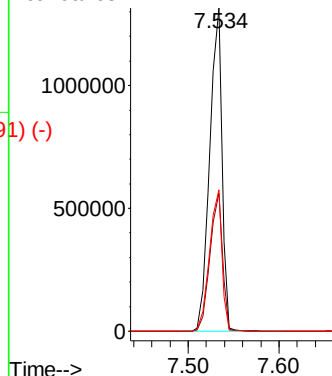
54 43.8 38.4 57.6

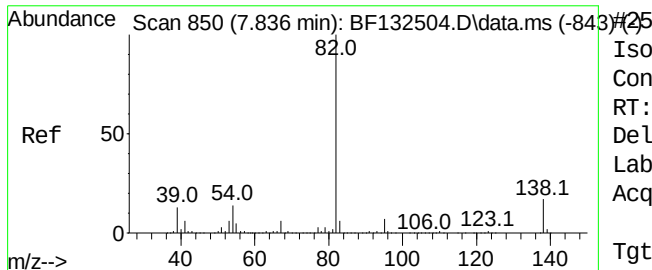


Abundance Scan 841 (7.534 min): BF132777.D\data.ms (-791) (-)



Abundance





Isophorone

Concen: 38.309 ng

RT: 7.534 min Scan# 81

Delta R.T. -0.259 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

Instrument :

BNA_F

ClientSampleId :

COMP-SOIL

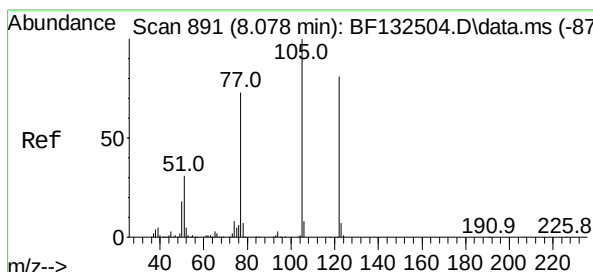
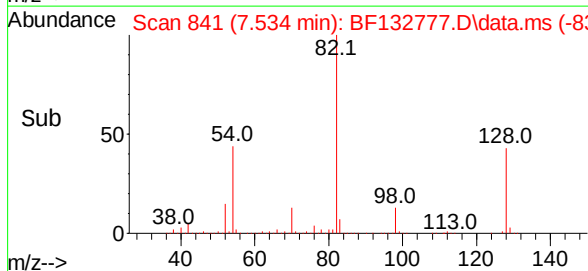
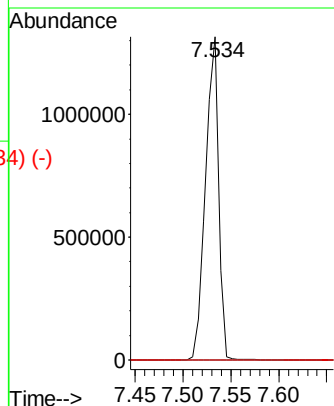
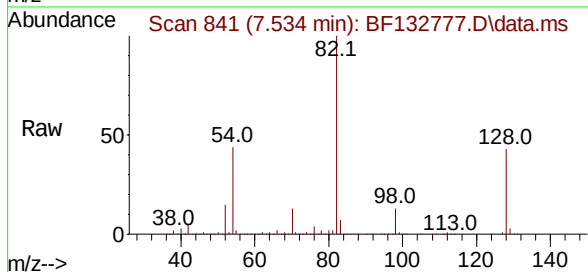
Tgt Ion: 82 Resp: 1240005

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.3 19.9#



Benzoic acid

Concen: 3.865 ng

RT: 7.934 min Scan# 909

Delta R.T. -0.100 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

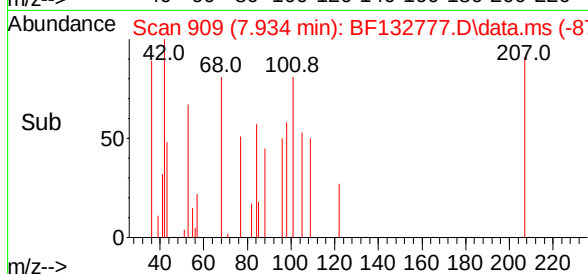
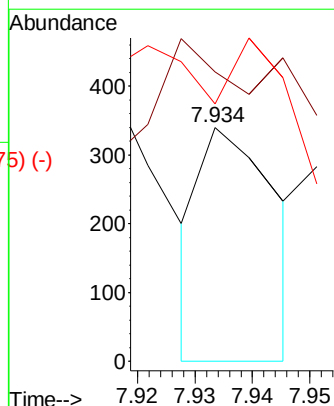
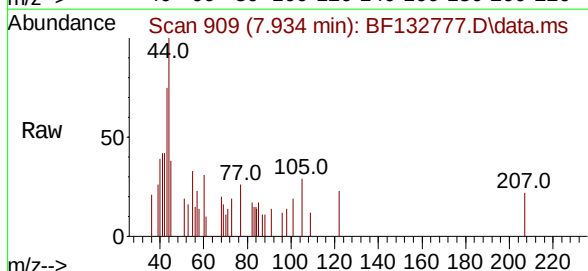
Tgt Ion:122 Resp: 307

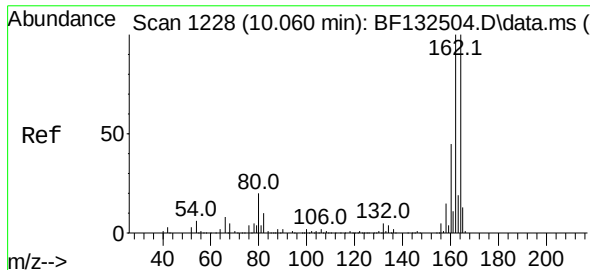
Ion Ratio Lower Upper

122 100

105 123.8 102.6 142.6

77 110.0 70.2 110.2





Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan#

Delta R.T. -0.000 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

Instrument :

BNA_F

ClientSampleId :

COMP-SOIL

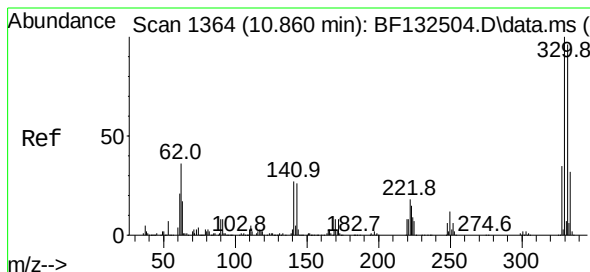
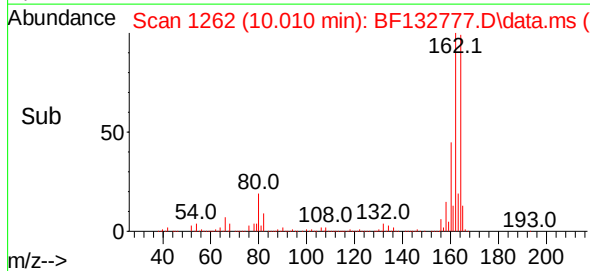
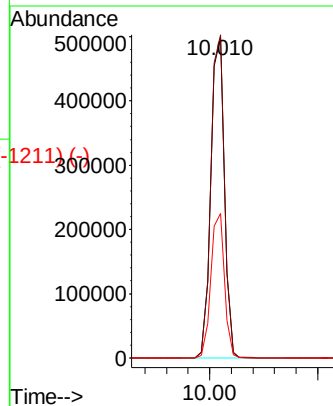
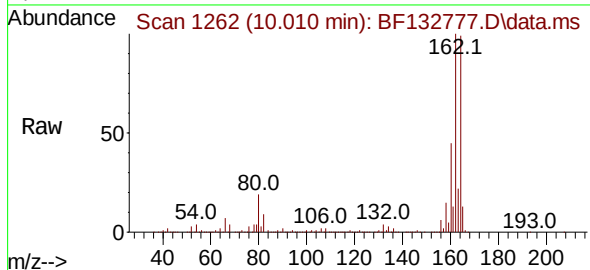
Tgt Ion:164 Resp: 431864

Ion Ratio Lower Upper

164 100

162 100.7 79.8 119.8

160 45.1 35.8 53.6



2,4,6-Tribromophenol

Concen: 118.133 ng

RT: 10.804 min Scan# 1397

Delta R.T. -0.006 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

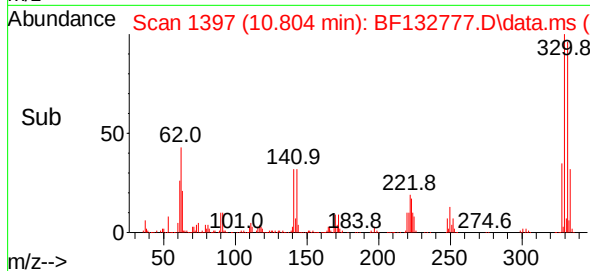
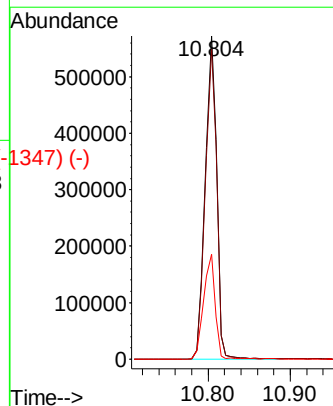
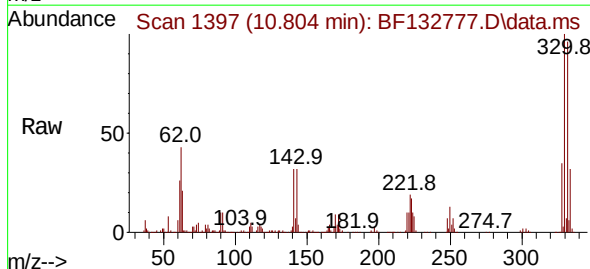
Tgt Ion:330 Resp: 550966

Ion Ratio Lower Upper

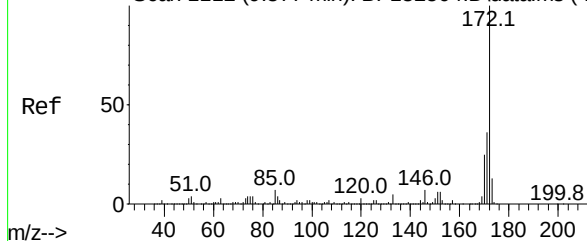
330 100

332 96.5 76.2 114.4

141 32.4 28.4 42.6



Abundance Scan 1112 (9.377 min): BF132504.D\data.ms (-11024)



2-Fluorobiphenyl

Concen: 70.776 ng

RT: 9.328 min Scan# 1112

Delta R.T. -0.000 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

Instrument :

BNA_F

ClientSampleId :

COMP-SOIL

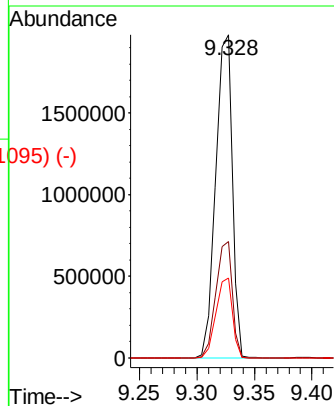
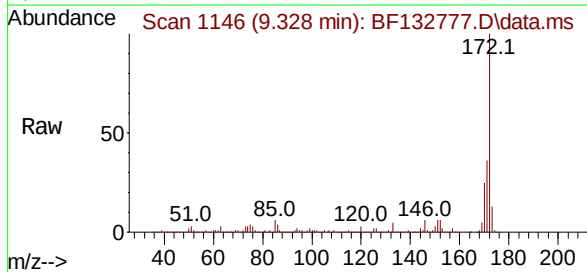
Tgt Ion:172 Resp: 2007393

Ion Ratio Lower Upper

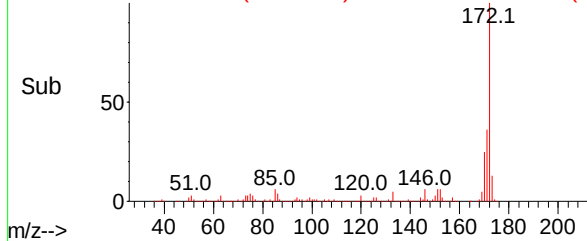
172 100

171 36.1 28.8 43.2

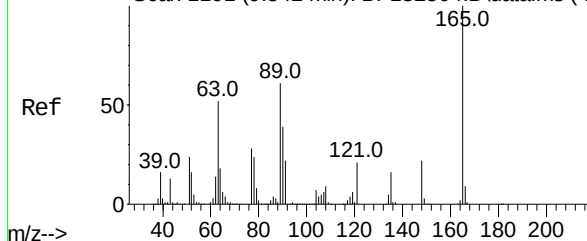
170 24.7 19.7 29.5



Abundance Scan 1146 (9.328 min): BF132777.D\data.ms (-1095) (-)



Abundance Scan 1191 (9.842 min): BF132504.D\data.ms (-11051)



2,6-Dinitrotoluene

Concen: 8.033 ng

RT: 10.010 min Scan# 1262

Delta R.T. 0.212 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

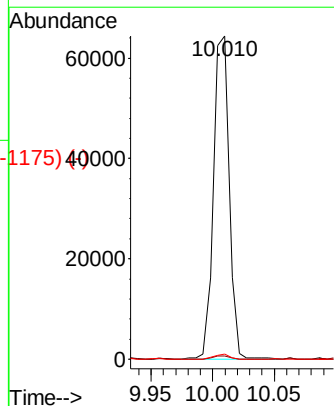
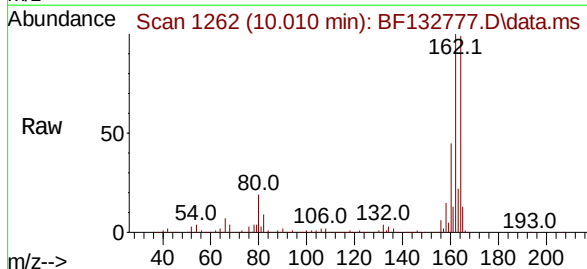
Tgt Ion:165 Resp: 57529

Ion Ratio Lower Upper

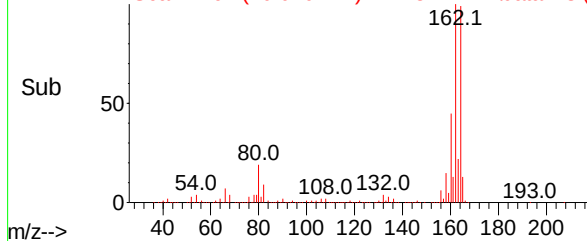
165 100

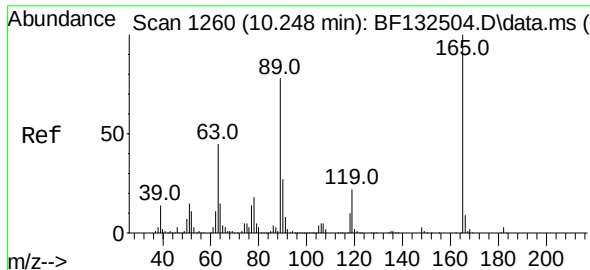
63 1.0 47.3 70.9#

89 1.5 48.9 73.3#



Abundance Scan 1262 (10.010 min): BF132777.D\data.ms (-1175) (-)

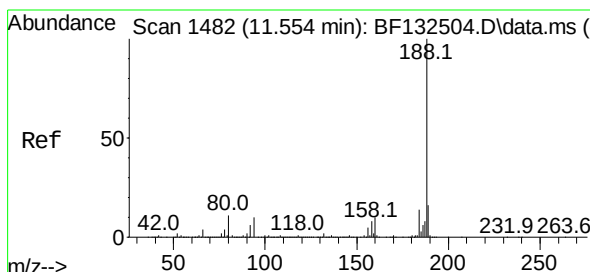
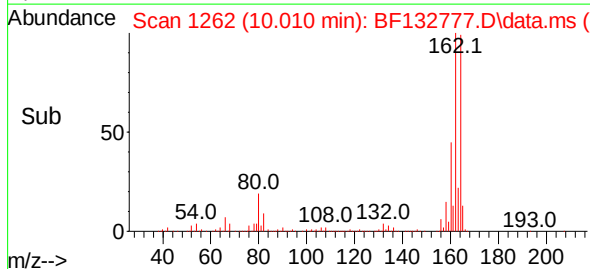
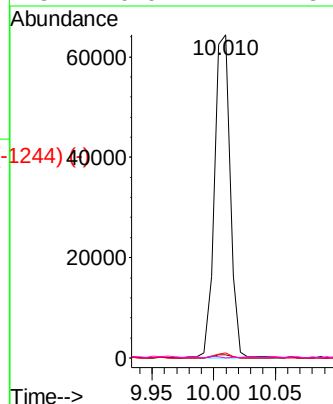
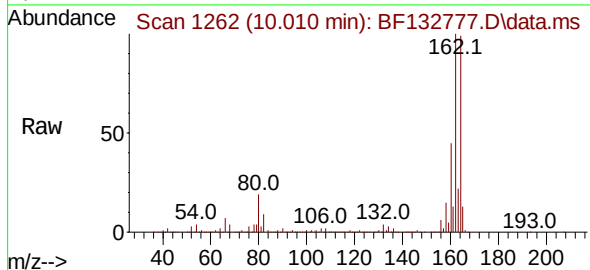




2,4-Dinitrotoluene
Concen: 6.038 ng
RT: 10.010 min Scan# 1516
Delta R.T. -0.194 min
Lab File: BF132777.D
Acq: 14 Mar 2023 14:36

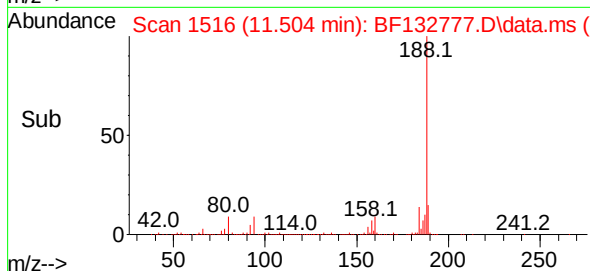
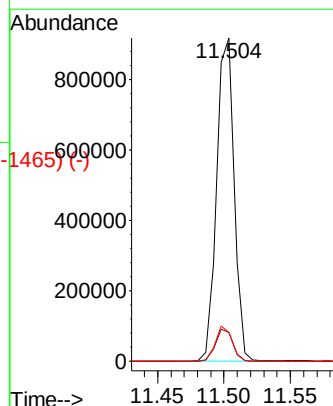
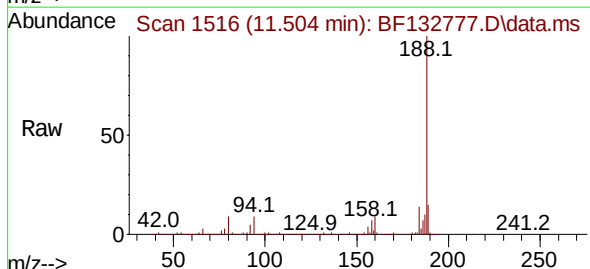
Instrument :
BNA_F
ClientSampleId :
COMP-SOIL

Tgt Ion:	165	Resp:	57529
Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.5	54.7#
89	1.5	62.4	93.6#
182	0.0	2.1	3.1#



Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1516
Delta R.T. -0.000 min
Lab File: BF132777.D
Acq: 14 Mar 2023 14:36

Tgt Ion:	188	Resp:	838901
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.3	12.5
80	9.0	8.7	13.1



Abundance Scan 1404 (11.095 min): BF132504.D\data.ms (-1387) (-)

4-Bromophenyl-phenylether

Concen: 3.811 ng

RT: 10.804 min Scan# 1387

Delta R.T. -0.241 min

Lab File: BF132777.D

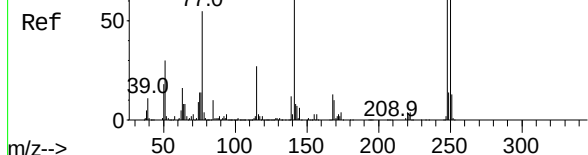
Acq: 14 Mar 2023 14:36

Instrument :

BNA_F

ClientSampleId :

COMP-SOIL



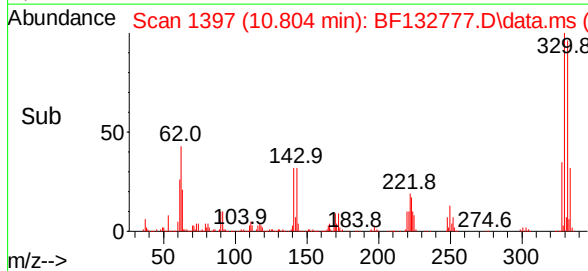
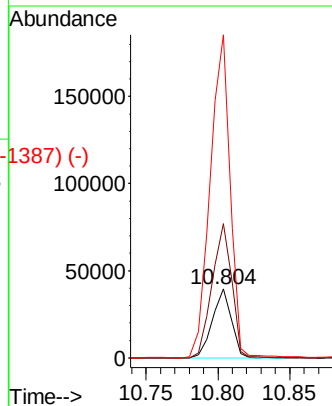
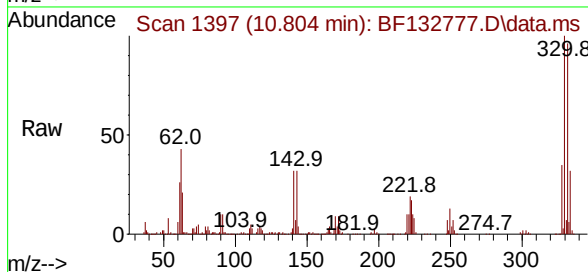
Tgt Ion:248 Resp: 36162

Ion Ratio Lower Upper

248 100

250 194.4 77.0 115.4#

141 467.3 54.2 81.2#



Abundance Scan 1935 (14.218 min): BF132504.D\data.ms (-1926) (-)

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 1967

Delta R.T. -0.006 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

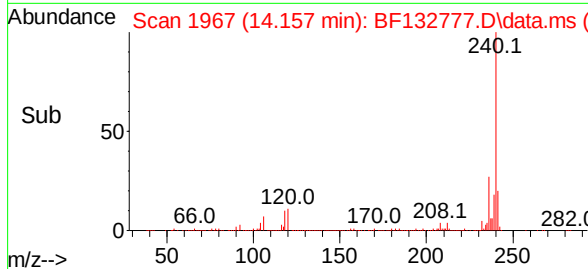
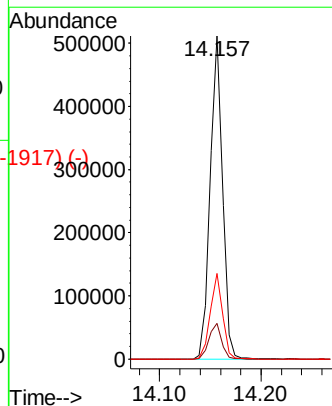
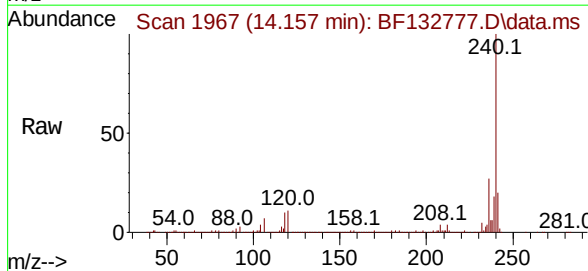
Tgt Ion:240 Resp: 432624

Ion Ratio Lower Upper

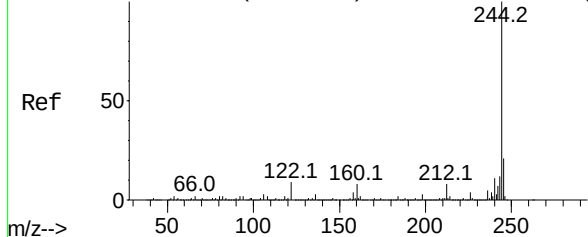
240 100

120 11.1 7.2 10.8#

236 26.5 21.8 32.6



Abundance Scan 1753 (13.148 min): BF132504.D\data.ms (-1779)



Terphenyl-d14

Concen: 95.515 ng

RT: 13.092 min Scan# 1779

Delta R.T. -0.000 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

Instrument :

BNA_F

ClientSampleId :

COMP-SOIL

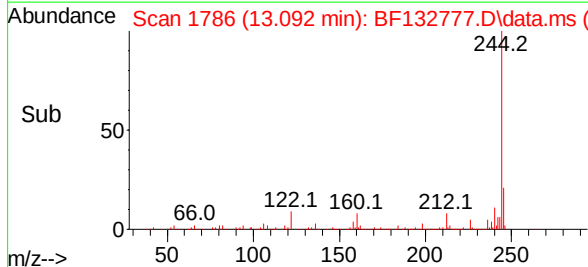
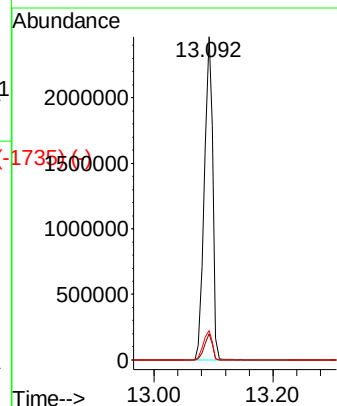
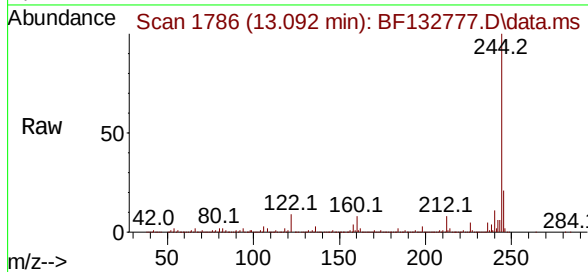
Tgt Ion:244 Resp: 2444003

Ion Ratio Lower Upper

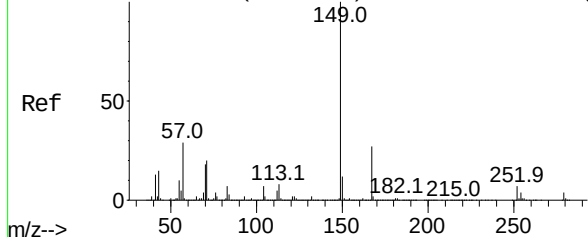
244 100

212 8.2 6.5 9.7

122 9.2 7.5 11.3



Abundance Scan 1927 (14.171 min): BF132504.D\data.ms (-1984)



Bis(2-ethylhexyl)phthalate

Concen: 2.737 ng

RT: 14.110 min Scan# 1959

Delta R.T. -0.006 min

Lab File: BF132777.D

Acq: 14 Mar 2023 14:36

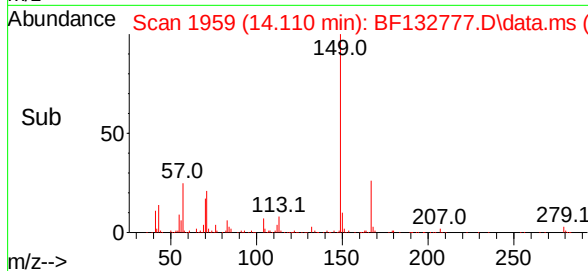
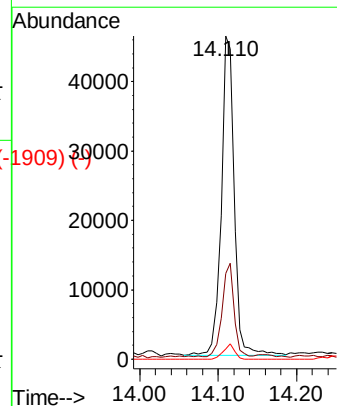
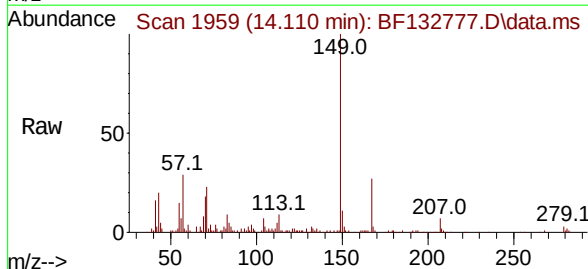
Tgt Ion:149 Resp: 52196

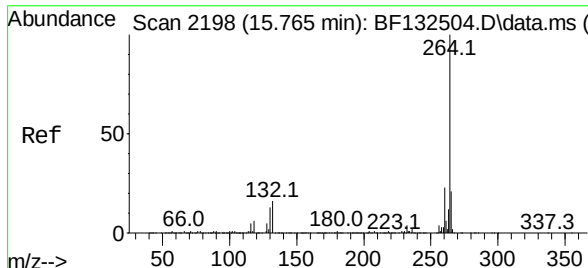
Ion Ratio Lower Upper

149 100

167 26.5 21.8 32.6

279 3.1 3.0 4.6





Perylene-d12
 Concen: 20.000 ng
 RT: 15.686 min Scan# 2198
 Delta R.T. -0.006 min
 Lab File: BF132777.D
 Acq: 14 Mar 2023 14:36

Instrument :
 BNA_F
 ClientSampleId :
 COMP-SOIL

Tgt Ion:	264	Resp:	446726
Ion Ratio		Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.0	17.1	25.7

