

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111124\
 Data File : BF140328.D
 Acq On : 11 Nov 2024 20:10
 Operator : RC/JU
 Sample : P4792-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONE-DRUM

Quant Time: Nov 12 00:45:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 00:05:37 2024
 Response via : Initial Calibration

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

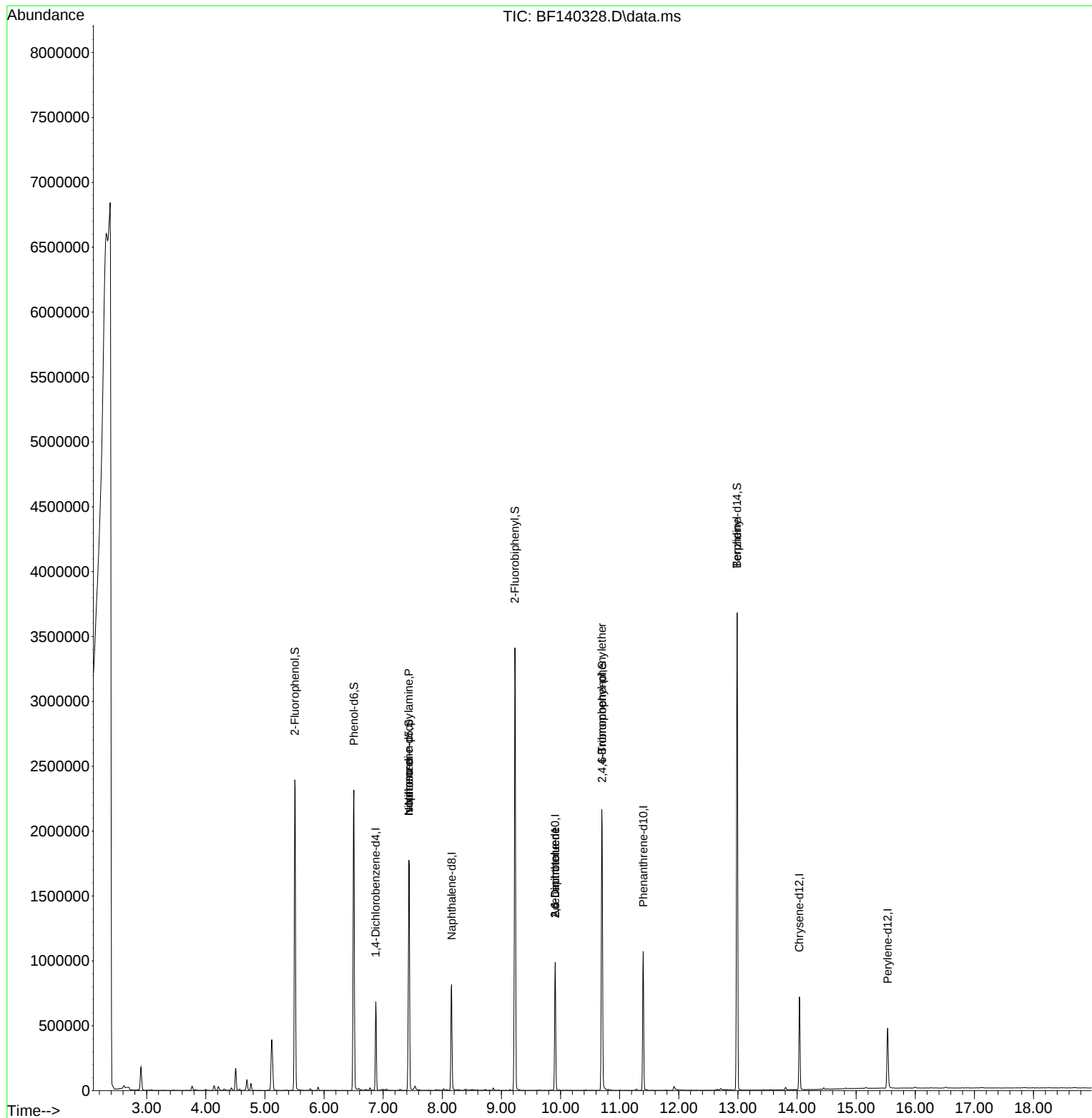
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	140396	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	538917	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	295572	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	558313	20.000	ng	0.00
76) Chrysene-d12	14.039	240	344447	20.000	ng	-0.02
86) Perylene-d12	15.533	264	281581	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	931938	114.681	ng	0.01
7) Phenol-d6	6.504	99	1150798	106.574	ng	0.00
23) Nitrobenzene-d5	7.434	82	872831	84.079	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	380222	132.411	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1548950	82.737	ng	0.00
79) Terphenyl-d14	12.986	244	1833661	91.283	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	118904	18.081	ng	# 78
25) Isophorone	7.434	82	865747	47.877	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	38047	8.809	ng	# 20
57) 2,4-Dinitrotoluene	9.910	165	38047	6.689	ng	# 19
67) 4-Bromophenyl-phenylether	10.698	248	24730	4.421	ng	# 1
77) Benzidine	12.986	184	24412	2.023	ng	# 92

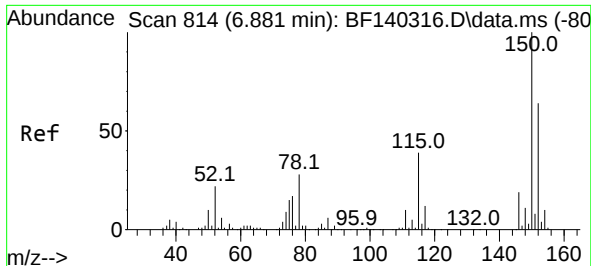
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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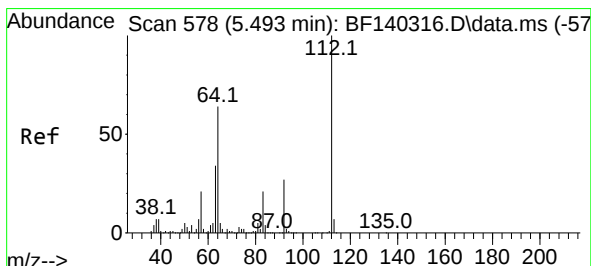
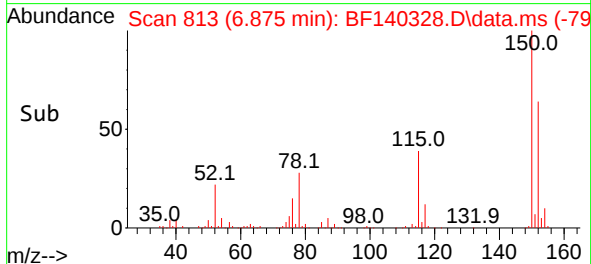
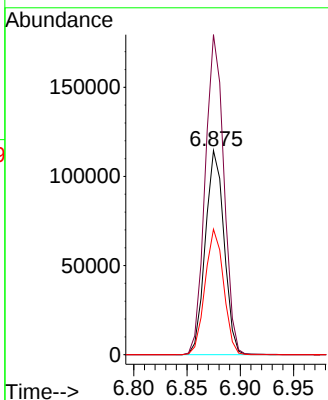
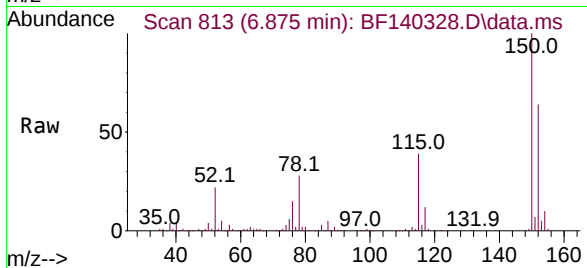




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140328.D
Acq: 11 Nov 2024 20:10

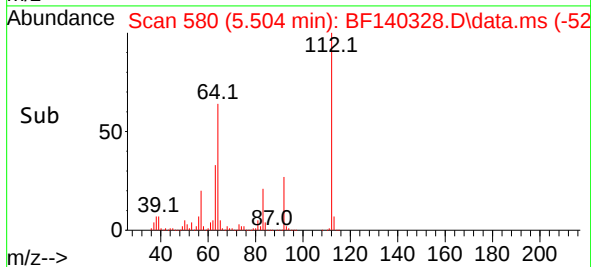
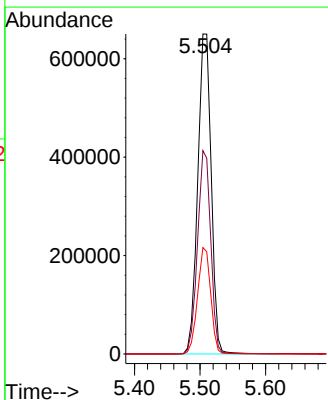
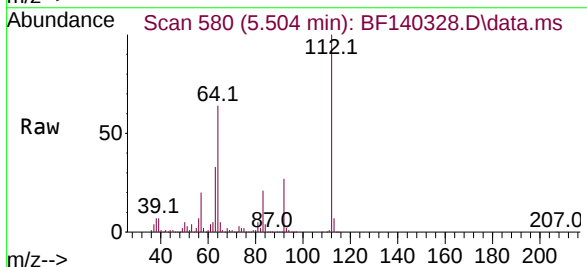
Instrument :
BNA_F
ClientSampleId :
OILY-STONE-DRUM

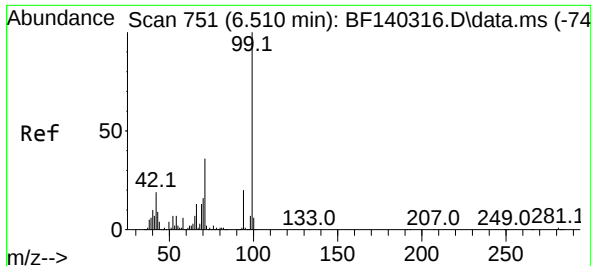
Tgt Ion:152 Resp: 140396
Ion Ratio Lower Upper
152 100
150 156.8 127.1 190.7
115 61.5 49.4 74.0



#5
2-Fluorophenol
Concen: 114.681 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140328.D
Acq: 11 Nov 2024 20:10

Tgt Ion:112 Resp: 931938
Ion Ratio Lower Upper
112 100
64 63.5 51.0 76.6
63 33.3 26.9 40.3

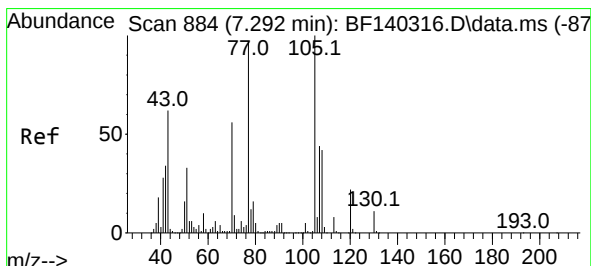
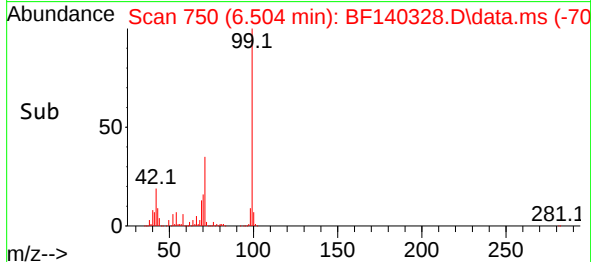
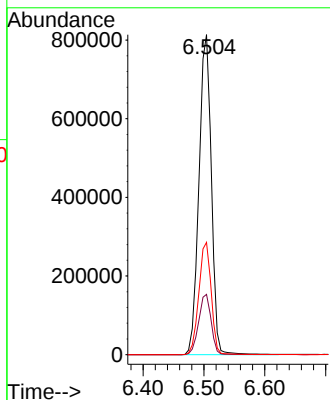
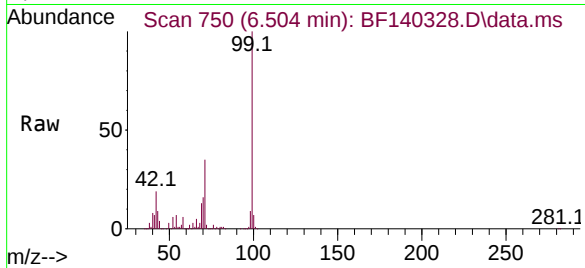




#7
Phenol-d6
Concen: 106.574 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140328.D
Acq: 11 Nov 2024 20:10

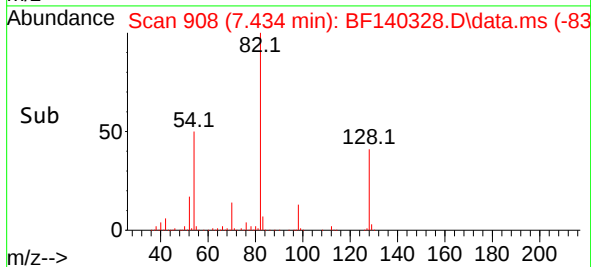
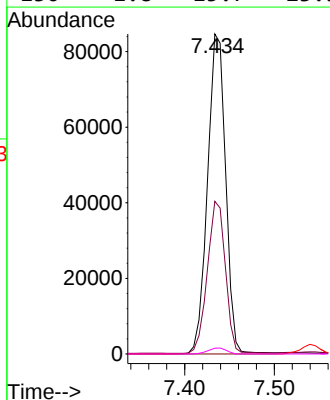
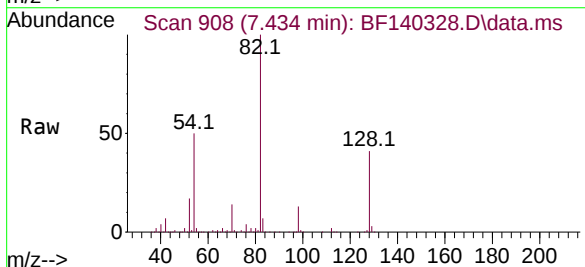
Instrument :
BNA_F
ClientSampleId :
OILY-STONE-DRUM

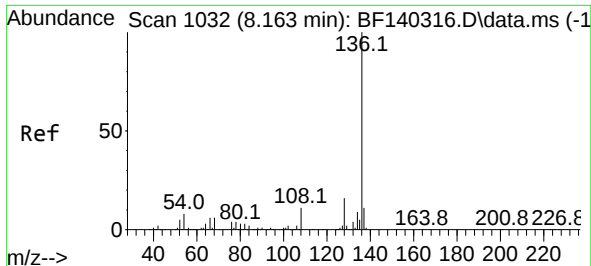
Tgt Ion: 99 Resp: 1150798
Ion Ratio Lower Upper
99 100
42 18.8 15.5 23.3
71 35.1 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.081 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140328.D
Acq: 11 Nov 2024 20:10

Tgt Ion: 70 Resp: 118904
Ion Ratio Lower Upper
70 100
42 47.7 48.0 72.0#
101 0.0 7.4 11.0#
130 1.8 15.7 23.5#

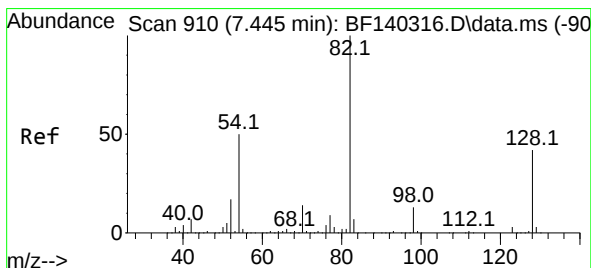
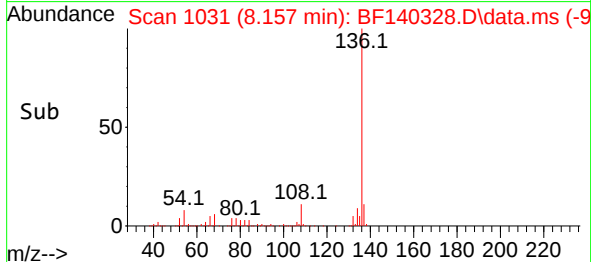
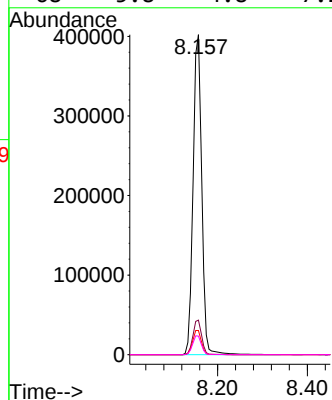
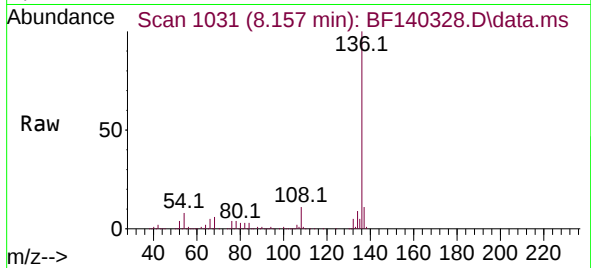




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140328.D
Acq: 11 Nov 2024 20:10

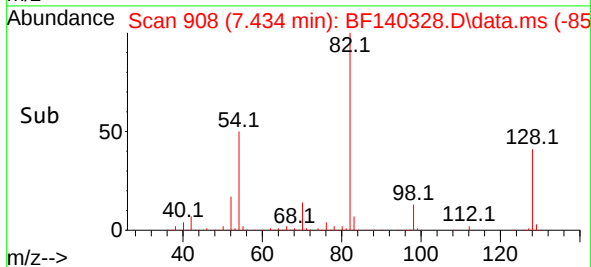
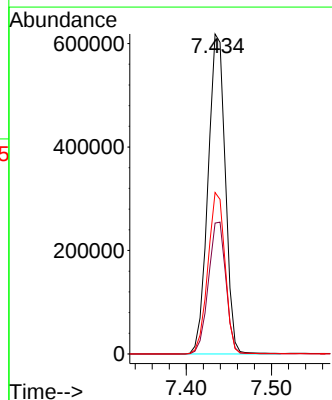
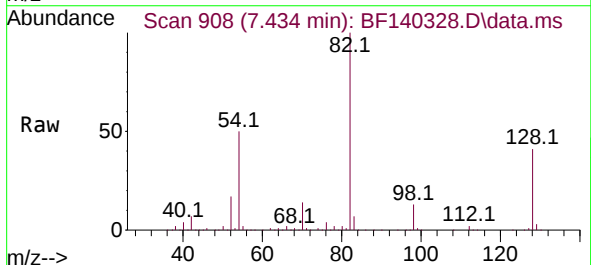
Instrument :
BNA_F
ClientSampleId :
OILY-STONE-DRUM

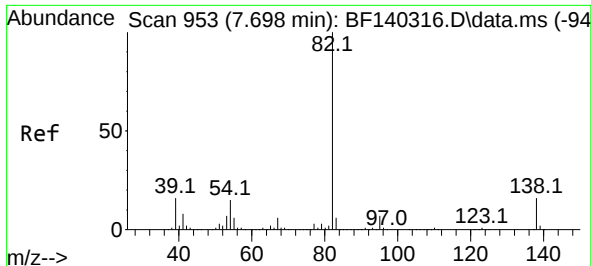
Tgt Ion:136 Resp: 538917
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.5 6.2 9.2
68 5.8 4.8 7.2



#23
Nitrobenzene-d5
Concen: 84.079 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140328.D
Acq: 11 Nov 2024 20:10

Tgt Ion: 82 Resp: 872831
Ion Ratio Lower Upper
82 100
128 40.9 33.8 50.6
54 50.5 40.0 60.0

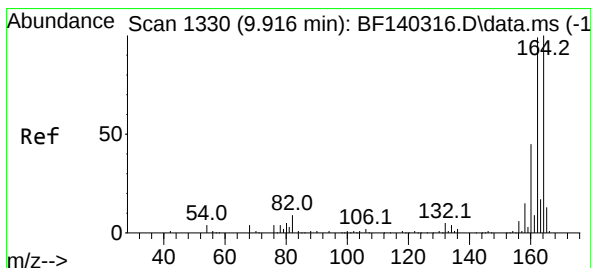
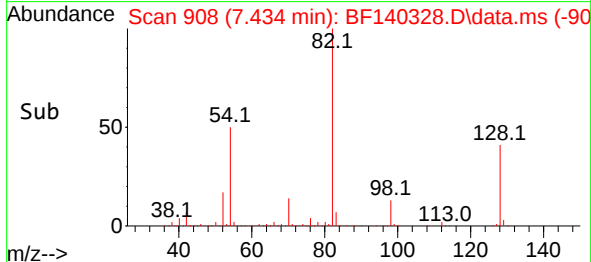
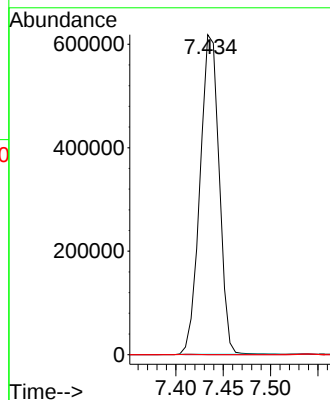
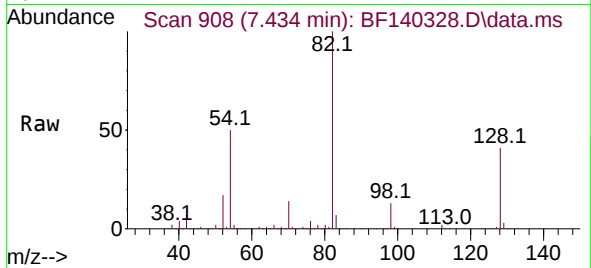




#25
Isophorone
Concen: 47.877 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140328.D
Acq: 11 Nov 2024 20:10

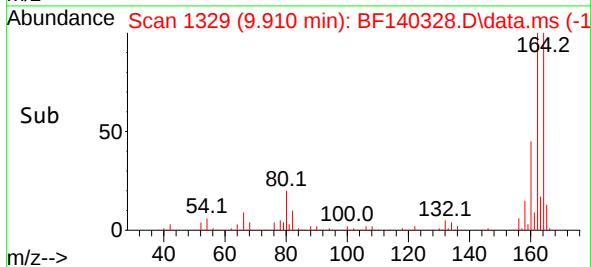
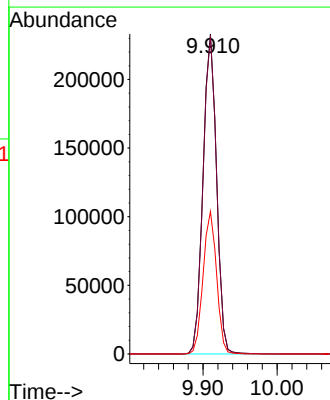
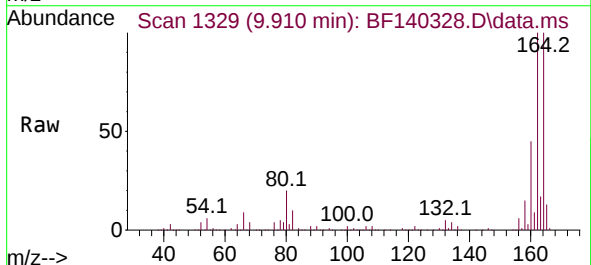
Instrument :
BNA_F
ClientSampleId :
OILY-STONE-DRUM

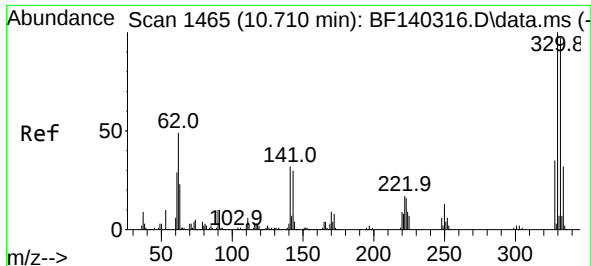
Tgt Ion: 82 Resp: 865747
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140328.D
Acq: 11 Nov 2024 20:10

Tgt Ion:164 Resp: 295572
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.0
160 44.6 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 132.411 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140328.D

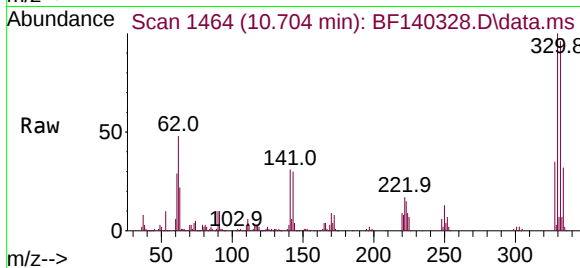
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Instrument :

BNA_F

ClientSampleId :

OILY-STONE-DRUM



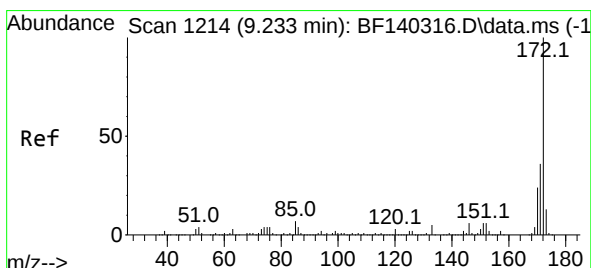
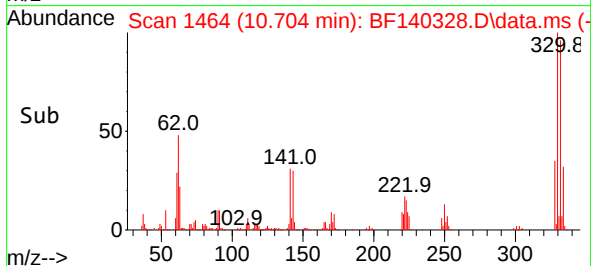
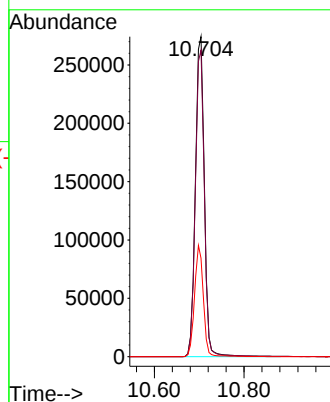
Tgt Ion:330 Resp: 380222

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

141 34.2 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 82.737 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140328.D

Acq: 11 Nov 2024 20:10

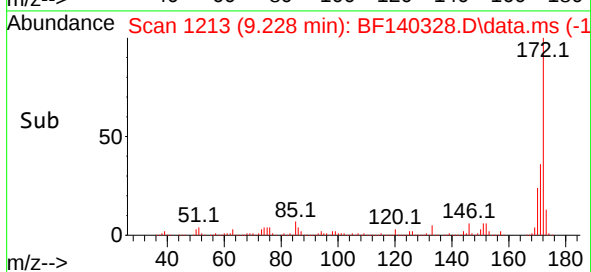
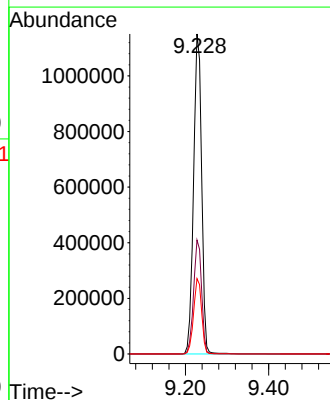
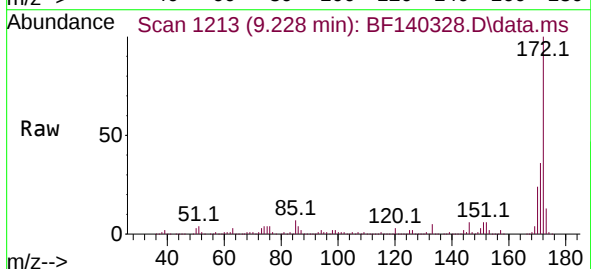
Tgt Ion:172 Resp: 1548950

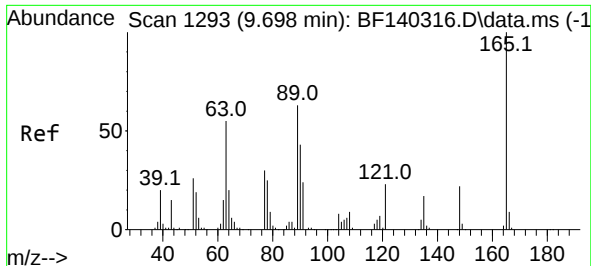
Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.6 19.3 28.9





#51

2,6-Dinitrotoluene

Concen: 8.809 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF140328.D

Acq: 11 Nov 2024 20:10

Instrument :

BNA_F

ClientSampleId :

OILY-STONE-DRUM

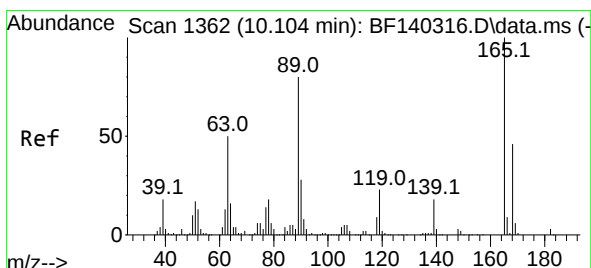
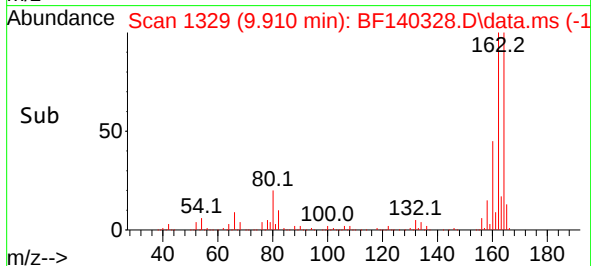
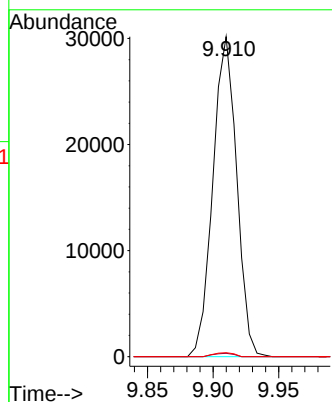
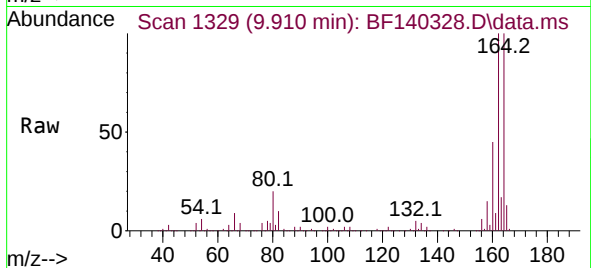
Tgt Ion:165 Resp: 38047

Ion Ratio Lower Upper

165 100

63 1.0 50.7 76.1#

89 1.3 50.4 75.6#



#57

2,4-Dinitrotoluene

Concen: 6.689 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF140328.D

Acq: 11 Nov 2024 20:10

Tgt Ion:165 Resp: 38047

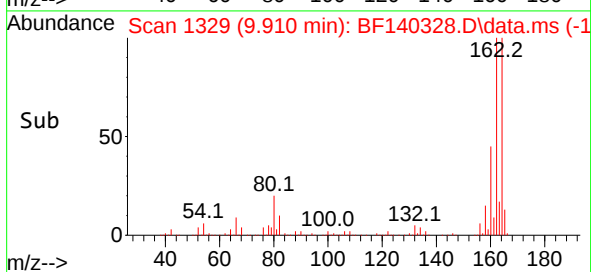
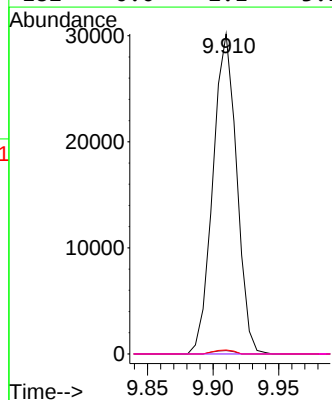
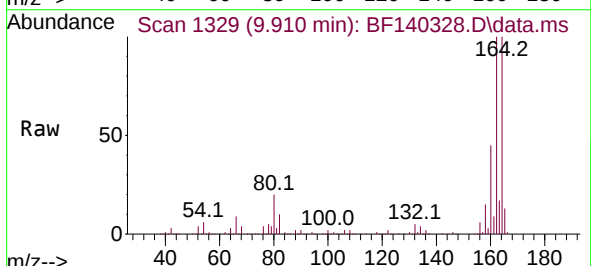
Ion Ratio Lower Upper

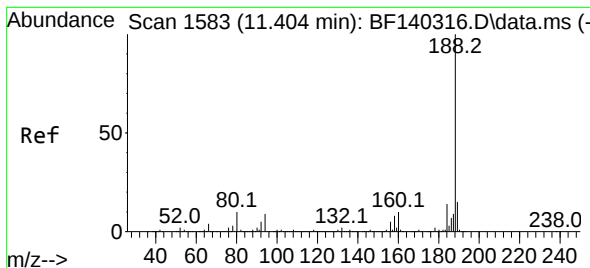
165 100

63 1.0 40.6 60.8#

89 1.3 63.8 95.8#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140328.D

Acq: 11 Nov 2024 20:10

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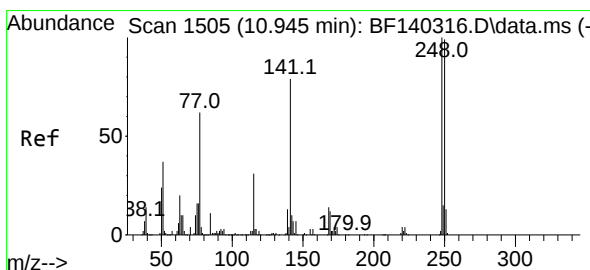
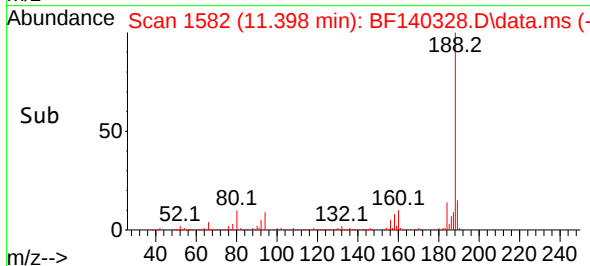
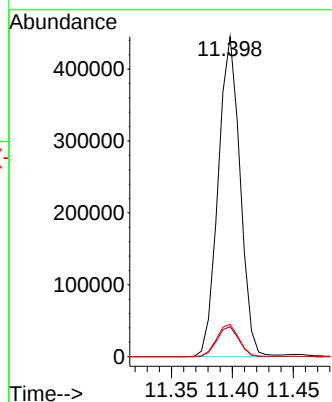
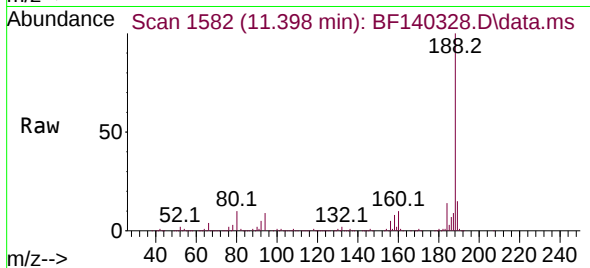
Tgt Ion:188 Resp: 558313

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

80 10.1 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 4.421 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140328.D

Acq: 11 Nov 2024 20:10

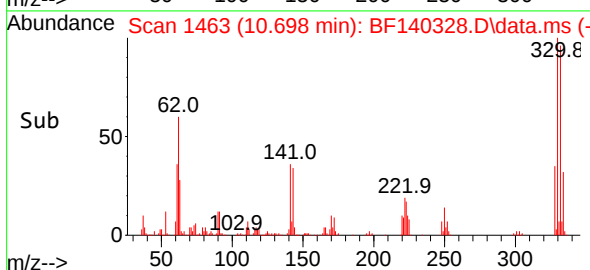
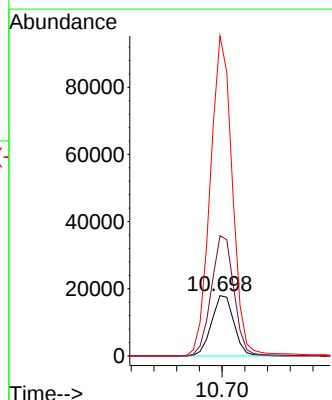
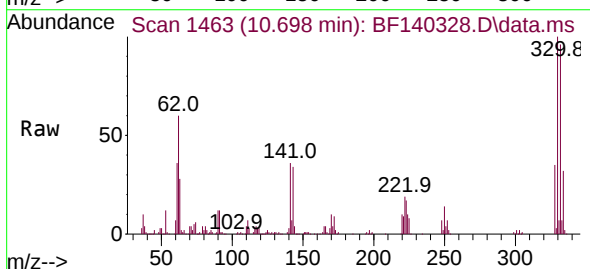
Tgt Ion:248 Resp: 24730

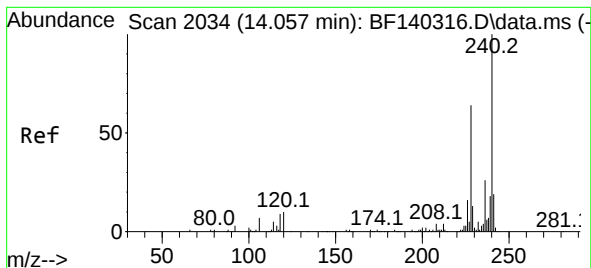
Ion Ratio Lower Upper

248 100

250 199.0 79.1 118.7#

141 529.8 63.5 95.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.018 min

Lab File: BF140328.D

Acq: 11 Nov 2024 20:10

Instrument :

BNA_F

ClientSampleId :

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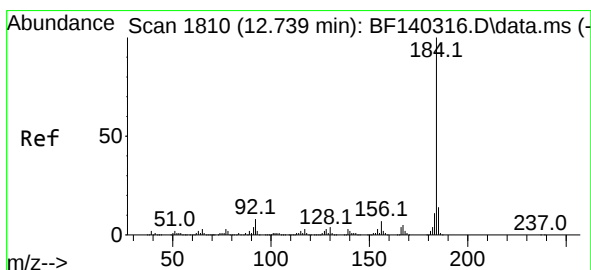
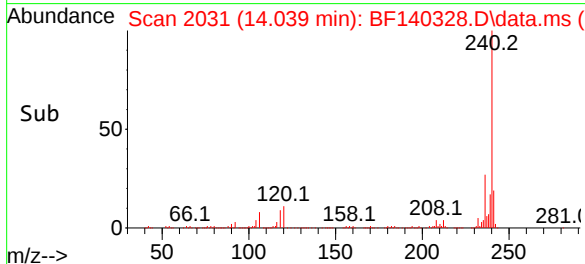
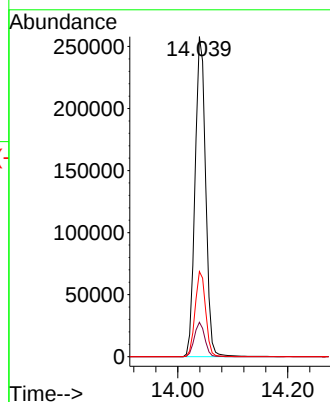
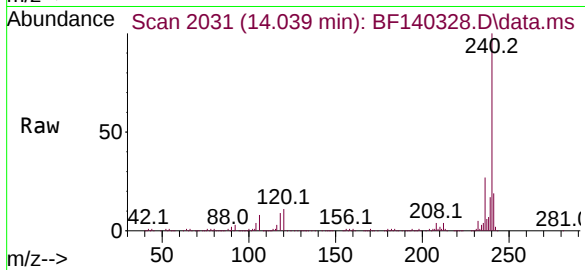
Tgt Ion:240 Resp: 344447

Ion Ratio Lower Upper

240 100

120 10.8 8.2 12.4

236 26.6 20.9 31.3



#77

Benzidine

Concen: 2.023 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF140328.D

Acq: 11 Nov 2024 20:10

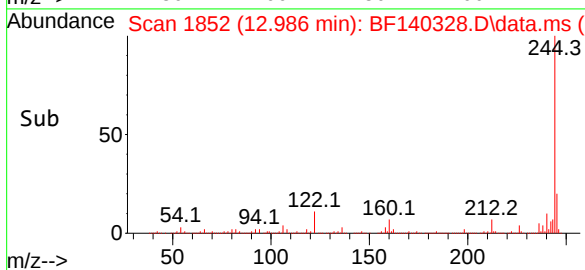
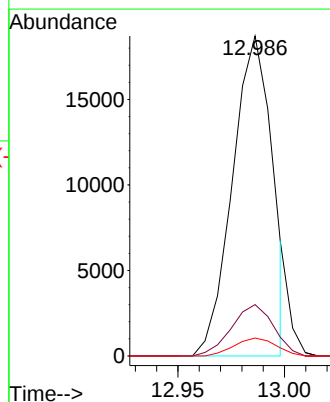
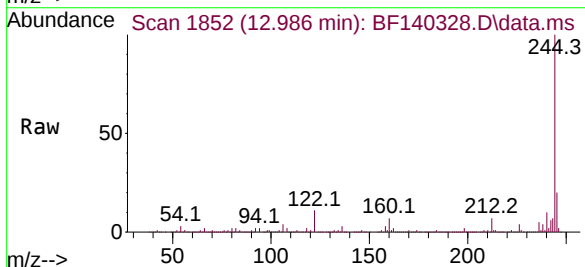
Tgt Ion:184 Resp: 24412

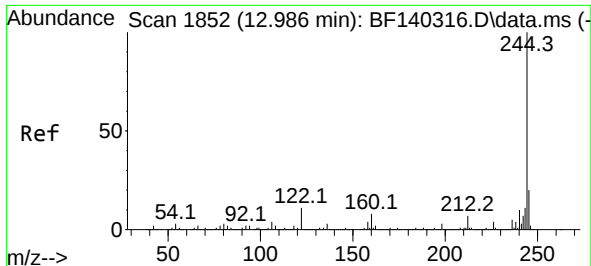
Ion Ratio Lower Upper

184 100

185 16.1 11.6 17.4

183 5.6 8.6 13.0#

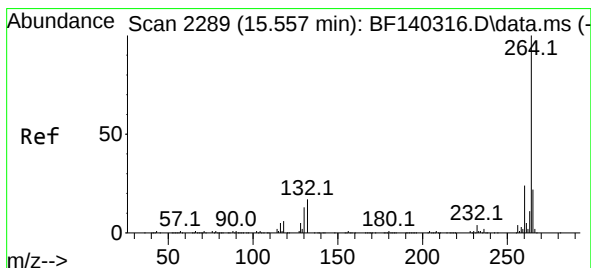
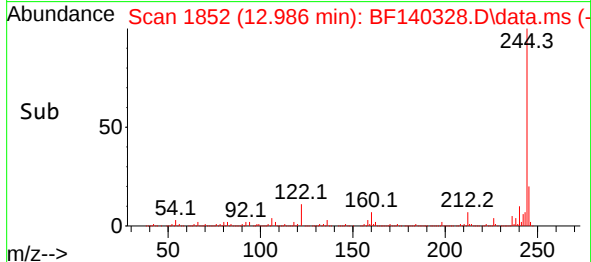
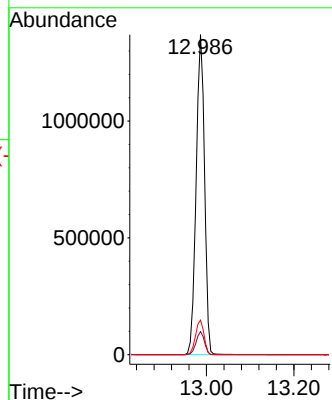
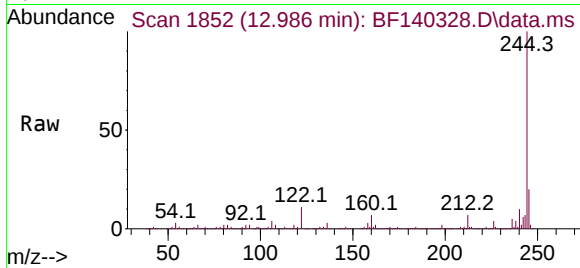




#79
 Terphenyl-d14
 Concen: 91.283 ng
 RT: 12.986 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF140328.D
 Acq: 11 Nov 2024 20:10

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONE-DRUM

Tgt Ion:244 Resp: 1833661
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.8 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2285
 Delta R.T. -0.024 min
 Lab File: BF140328.D
 Acq: 11 Nov 2024 20:10

Tgt Ion:264 Resp: 281581
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.6 29.4
 265 21.8 17.6 26.4

