

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051019\
 Data File : BF114147.D
 Acq On : 11 May 2019 3:11
 Operator : JU/SJ
 Sample : K2770-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Quant Time: May 11 04:05:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

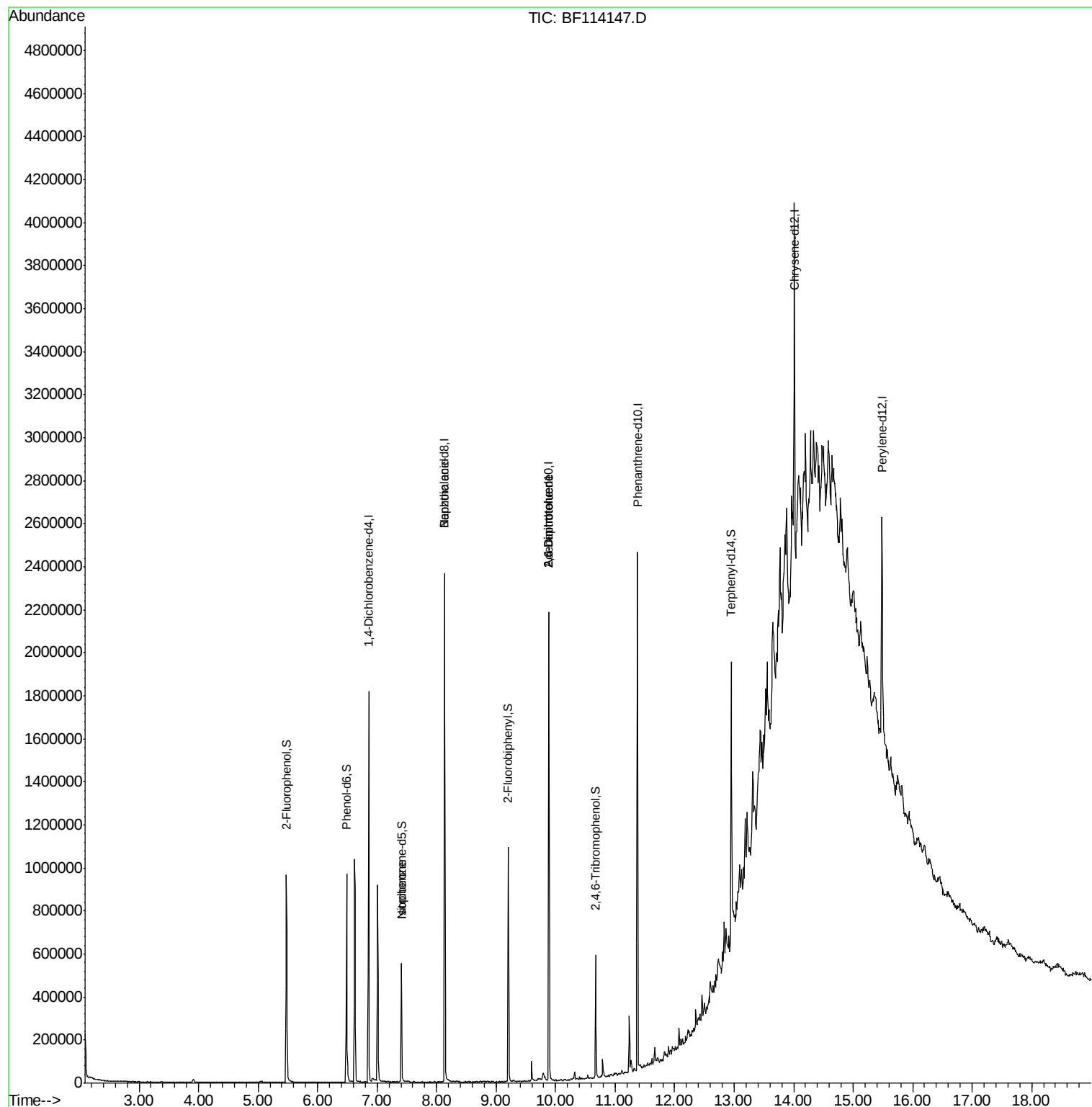
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	277635	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	992491	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	409577	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	851042	20.00	ng	0.00
76) Chrysene-d12	14.01	240	549370	20.00	ng	-0.01
87) Perylene-d12	15.49	264	480690	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	265287	15.38	ng	0.00
7) Phenol-d6	6.49	99	342995	16.81	ng	0.00
23) Nitrobenzene-d5	7.41	82	163847	9.26	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	65057	15.36	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	335667	12.40	ng	0.00
79) Terphenyl-d14	12.95	244	375891	14.10	ng	0.00
Target Compounds						
25) Isophorone	7.41	82	163846	4.995	ng	# 64
32) Benzoic acid	8.13	122	146	7.033	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	53288	7.991	ng	# 22
57) 2,4-Dinitrotoluene	9.89	165	53288	5.887	ng	# 25

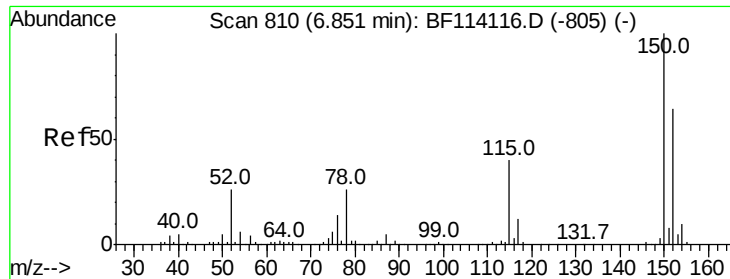
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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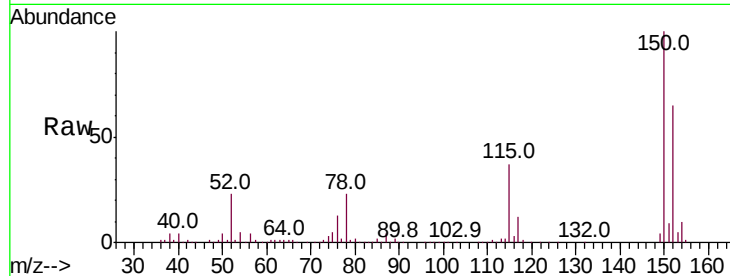


#1

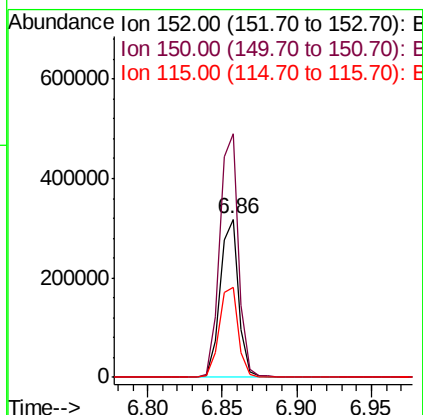
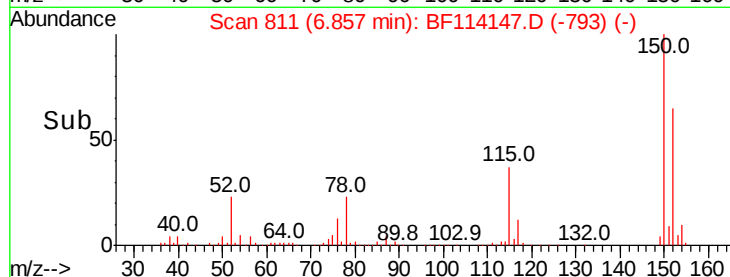
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114147.D
Acq: 11 May 2019 3:11

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tot Ion:152 Resp: 277635
Ion Ratio Lower Upper
152 100
150 154.2 124.3 186.5
115 56.7 49.1 73.7



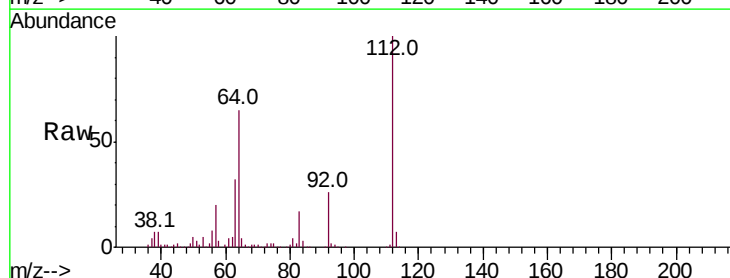
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



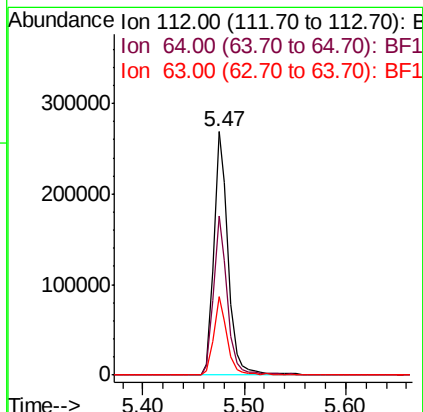
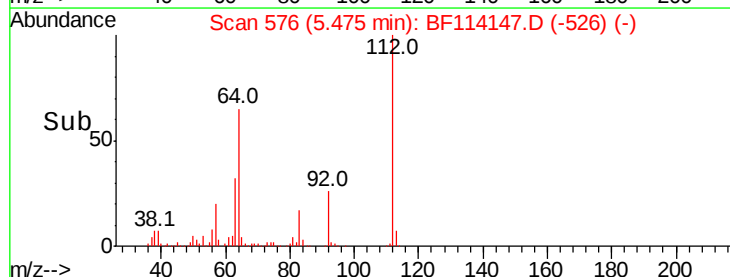
#5

2-Fluorophenol
Concen: 15.377 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114147.D
Acq: 11 May 2019 3:11

Tgt Ion:112 Resp: 265287
Ion Ratio Lower Upper
112 100
64 65.2 49.0 73.6
63 32.0 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.809 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

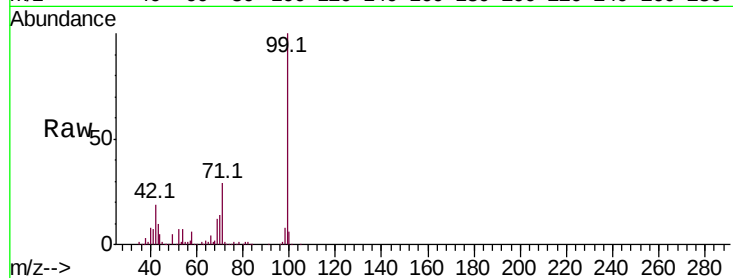
Tot Ion: 99 Resp: 342995

Ion Ratio Lower Upper

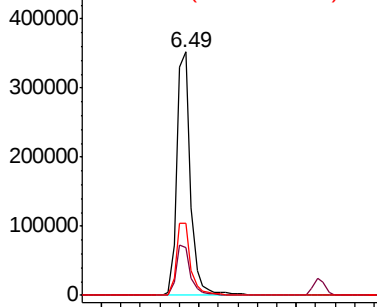
99 100

42 19.4 17.9 26.9

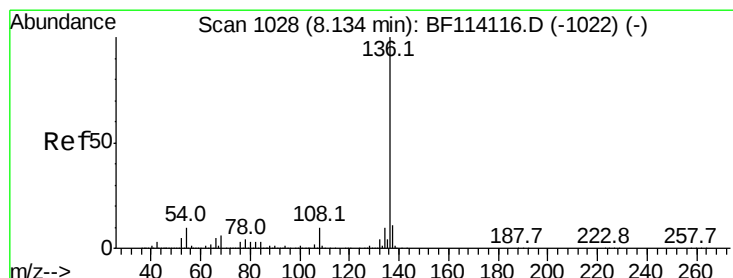
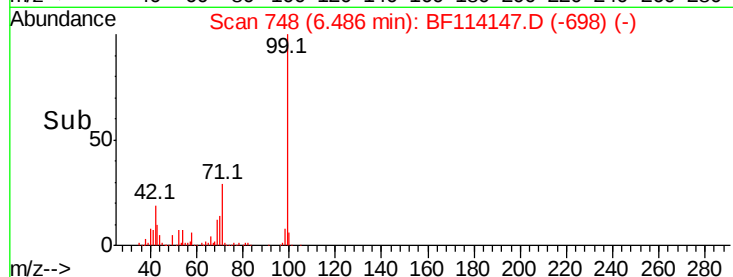
71 29.4 26.2 39.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

Tgt Ion: 136 Resp: 992491

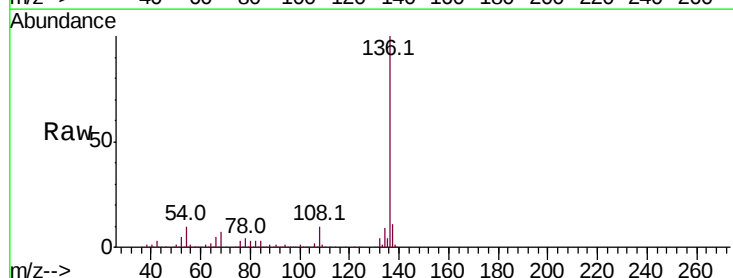
Ion Ratio Lower Upper

136 100

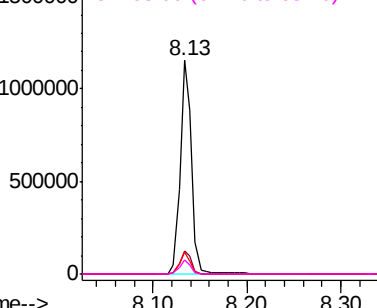
137 11.0 8.8 13.2

54 10.0 7.8 11.8

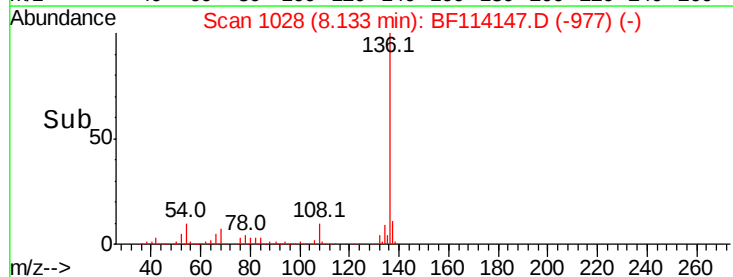
68 6.7 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



Time-->

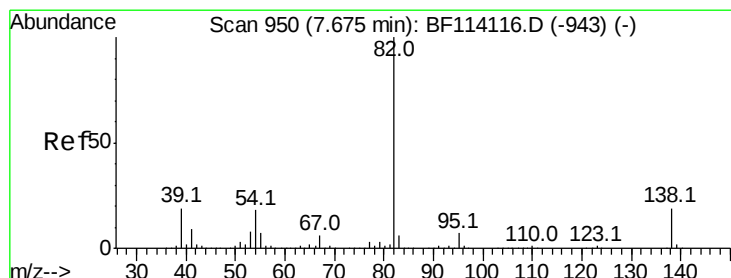
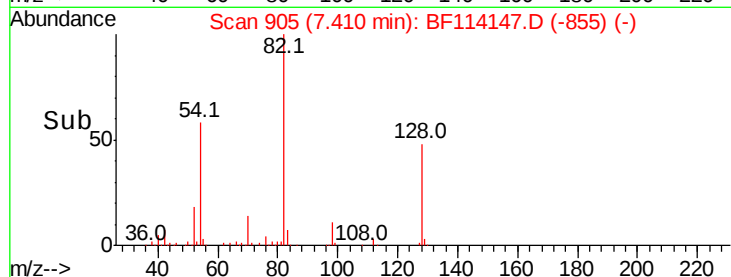
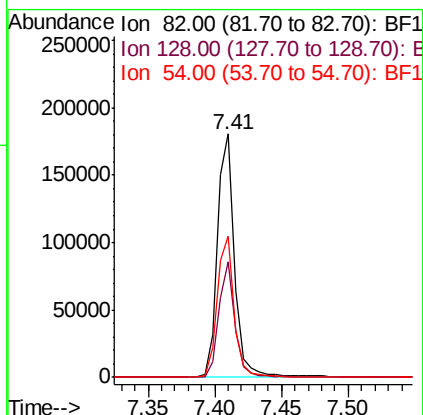
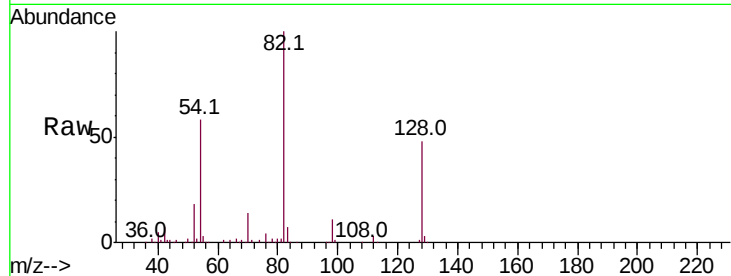




#23
 Nitrobenzene-d5
 Concen: 9.265 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114147.D
 Acq: 11 May 2019 3:11

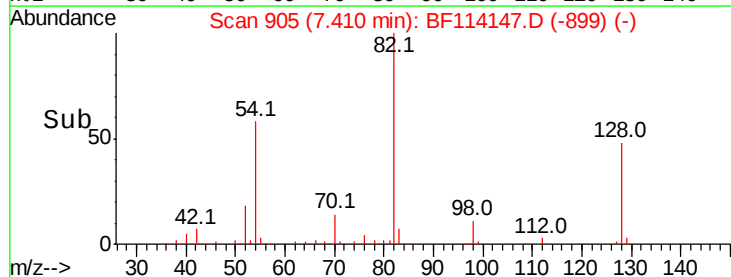
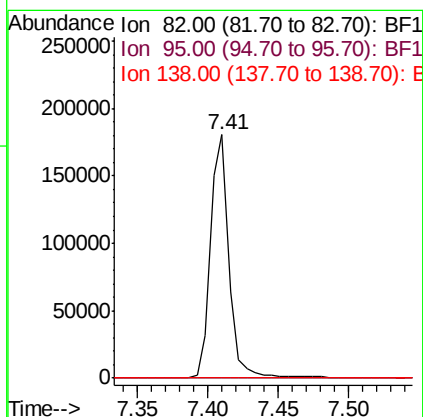
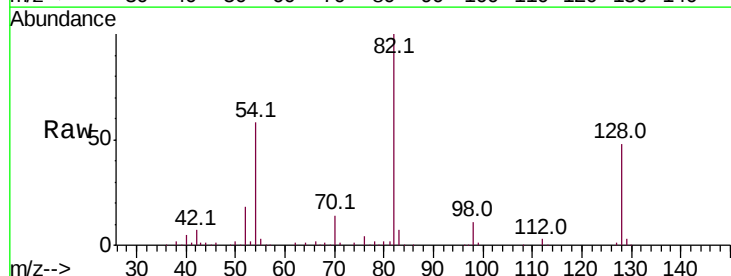
Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

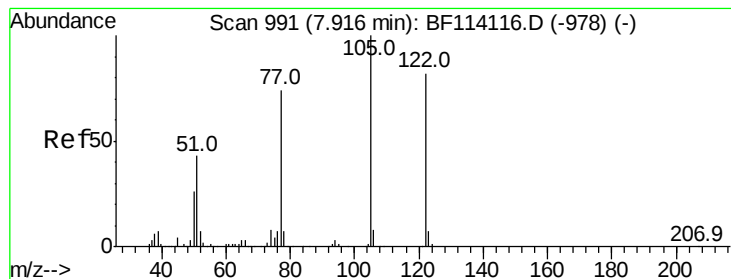
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	35.5	53.3
54	58.1	48.5	72.7



#25
 Isophorone
 Concen: 4.995 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF114147.D
 Acq: 11 May 2019 3:11

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.8	22.2#





#32

Benzoic acid

Concen: 7.033 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.22 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

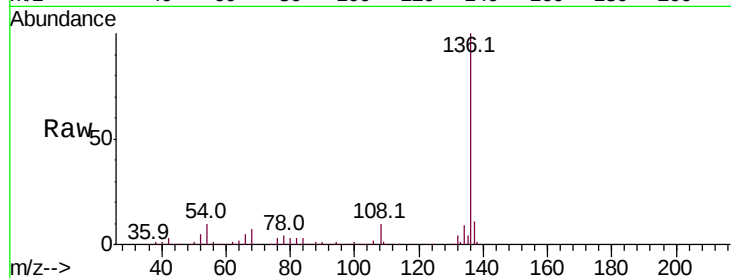
Tot Ion:122 Resp: 146

Ion Ratio Lower Upper

122 100

105 188.4 99.9 139.9#

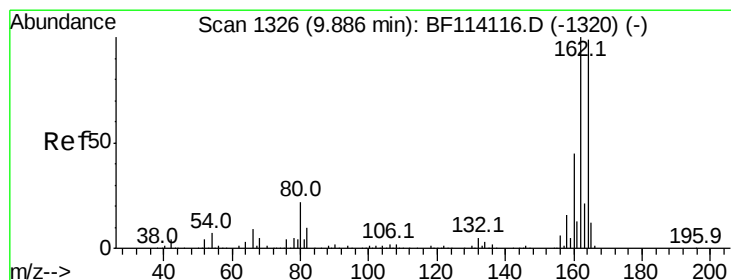
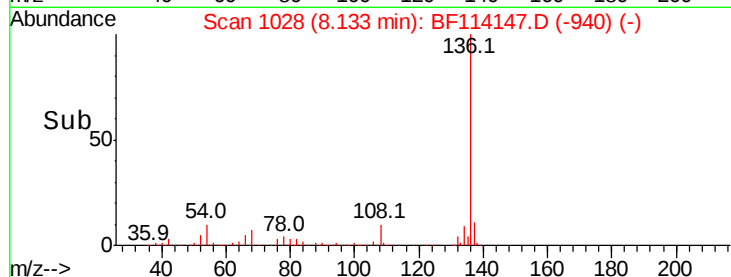
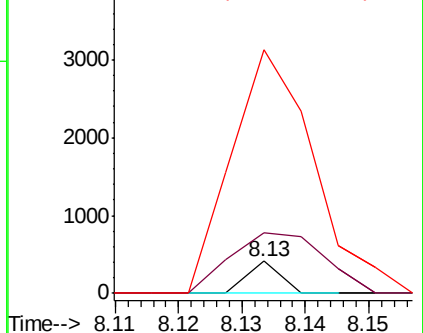
77 757.6 69.4 109.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

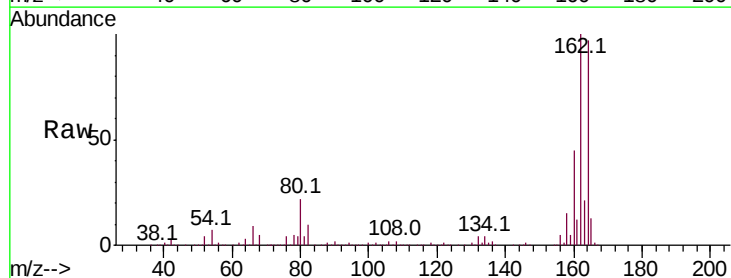
Tgt Ion:164 Resp: 409577

Ion Ratio Lower Upper

164 100

162 103.4 80.6 120.8

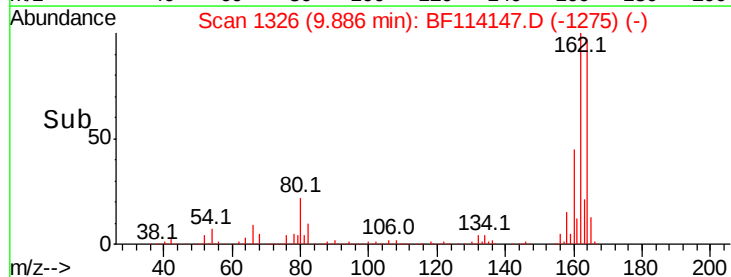
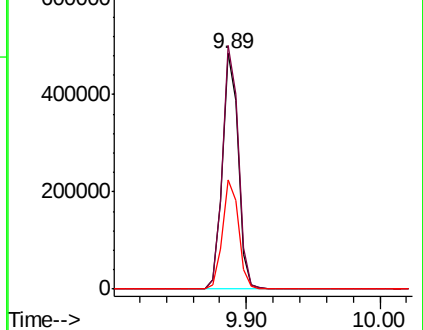
160 46.3 36.5 54.7

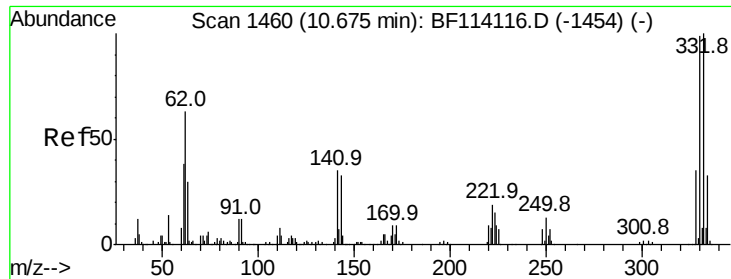


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 15.364 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

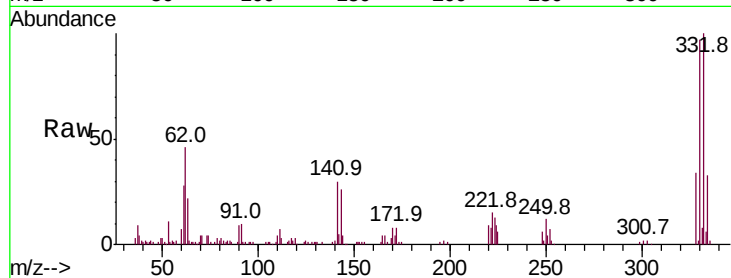
Tot Ion:330 Resp: 65057

Ion Ratio Lower Upper

330 100

332 103.7 81.4 122.2

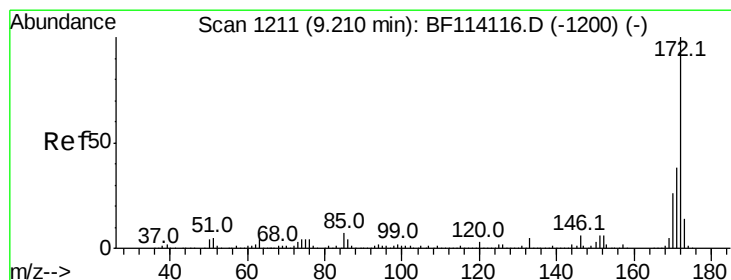
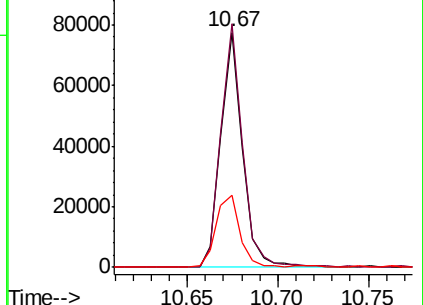
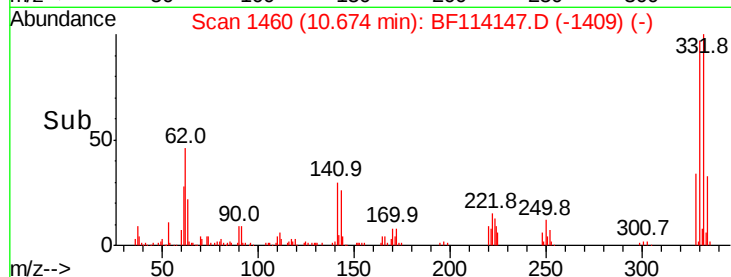
141 33.8 26.6 40.0



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 12.397 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

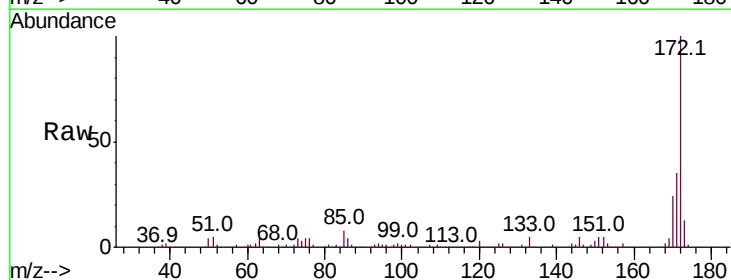
Tgt Ion:172 Resp: 335667

Ion Ratio Lower Upper

172 100

171 34.8 30.7 46.1

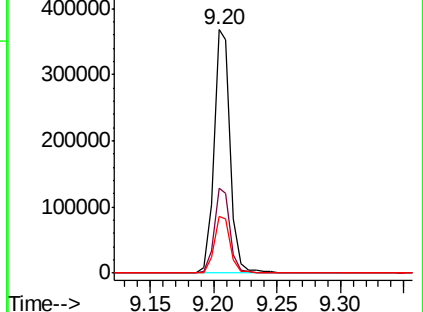
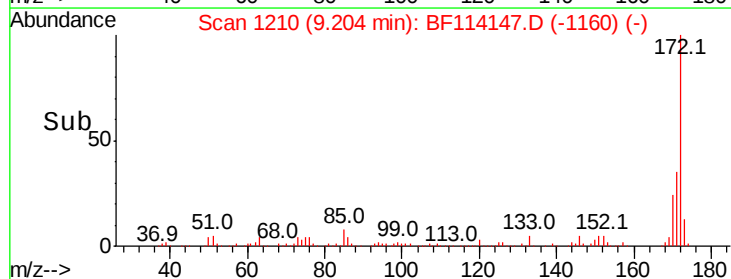
170 23.5 20.5 30.7

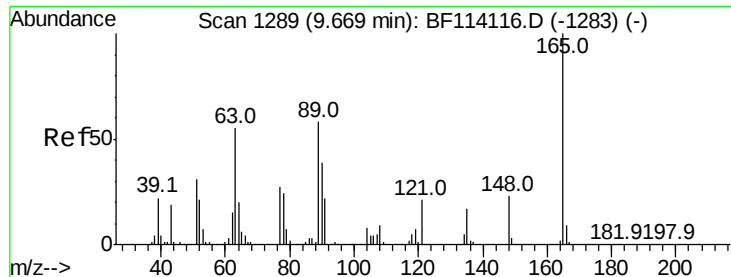


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.991 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.22 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

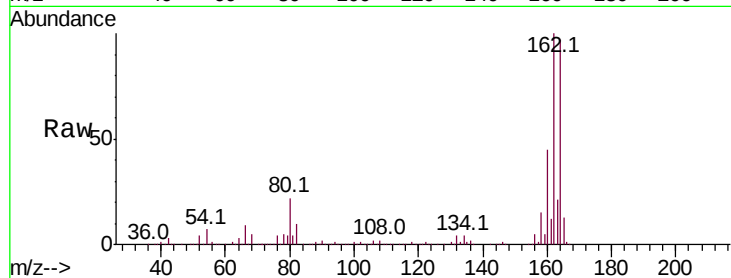
Tot Ion:165 Resp: 53288

Ion Ratio Lower Upper

165 100

63 1.2 50.2 75.4#

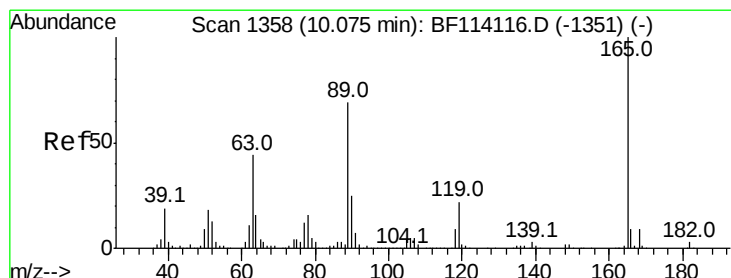
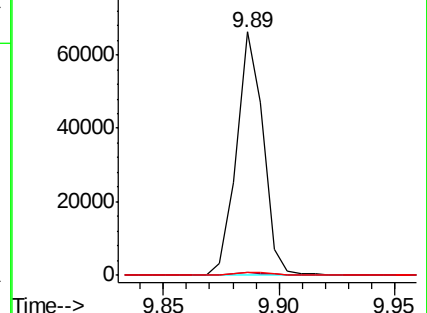
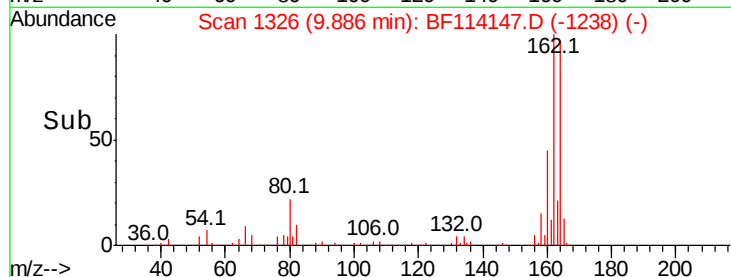
89 1.3 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 5.887 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.19 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

Tgt Ion:165 Resp: 53288

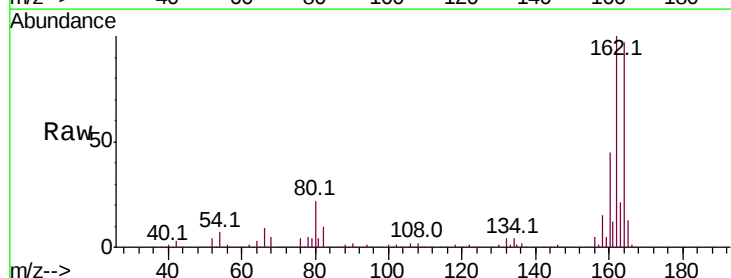
Ion Ratio Lower Upper

165 100

63 1.2 35.5 53.3#

89 1.3 55.2 82.8#

182 0.0 2.2 3.2#

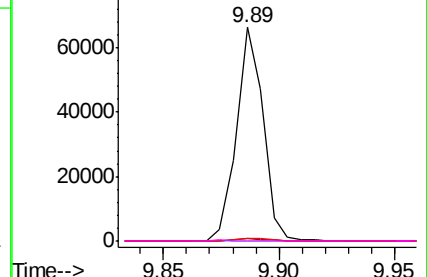
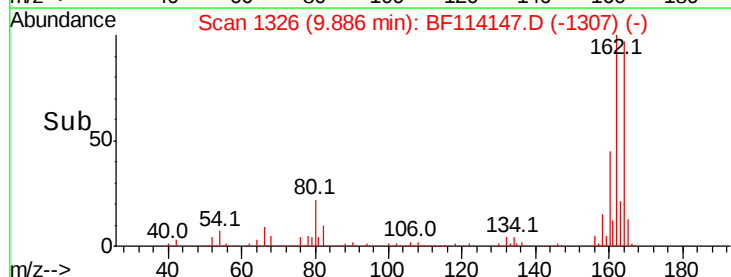


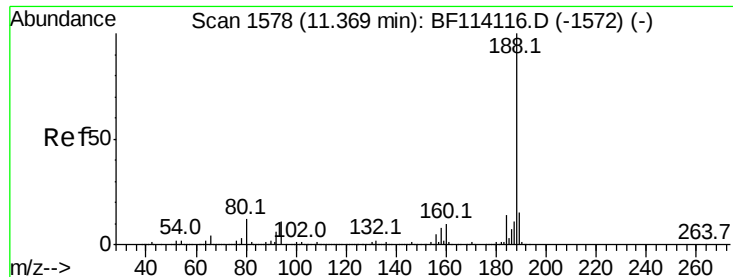
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

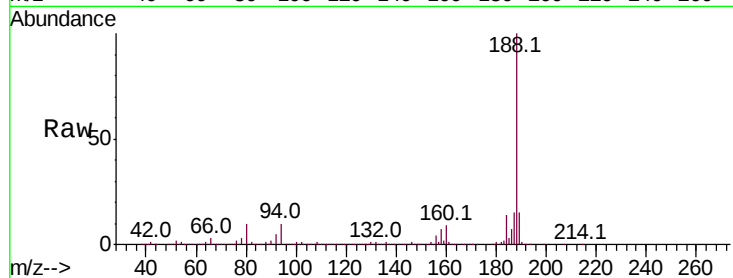
Tot Ion:188 Resp: 851042

Ion Ratio Lower Upper

188 100

94 9.7 8.4 12.6

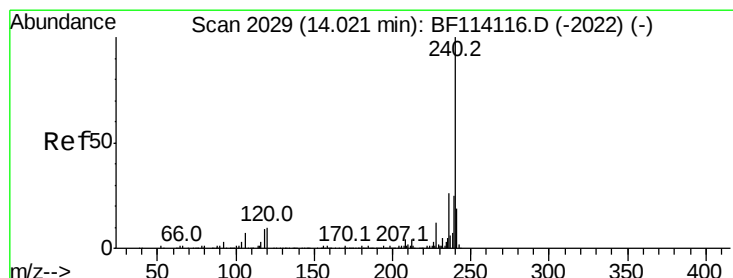
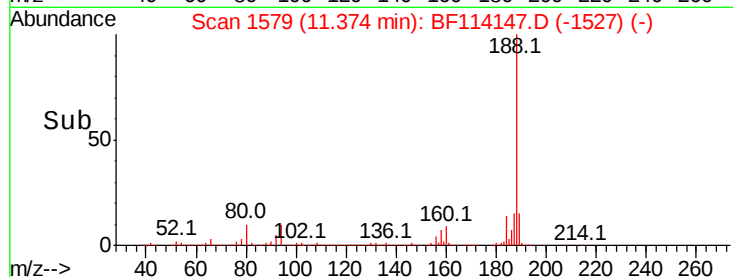
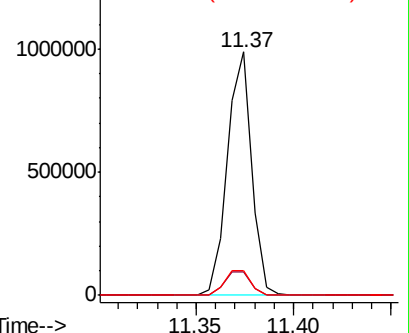
80 10.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114147.D

Acq: 11 May 2019 3:11

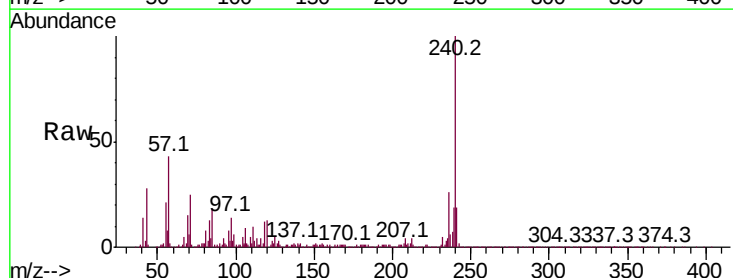
Tgt Ion:240 Resp: 549370

Ion Ratio Lower Upper

240 100

120 13.2 8.3 12.5#

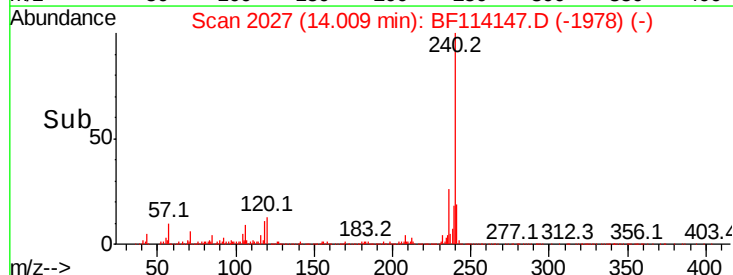
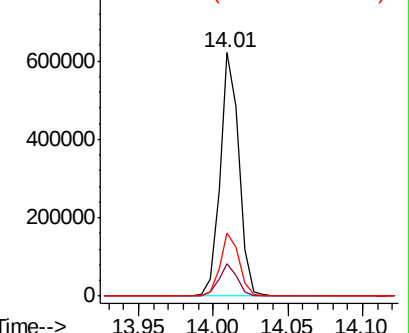
236 25.9 20.8 31.2

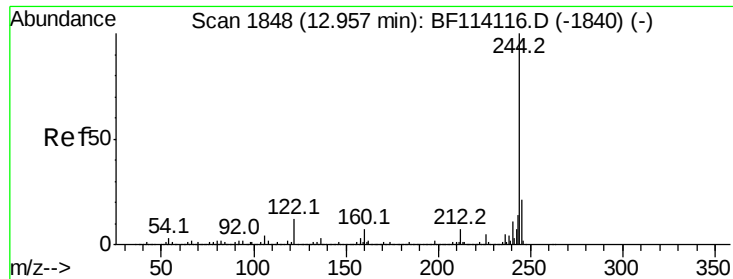


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

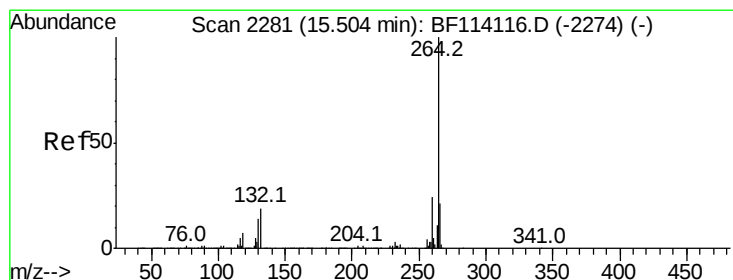
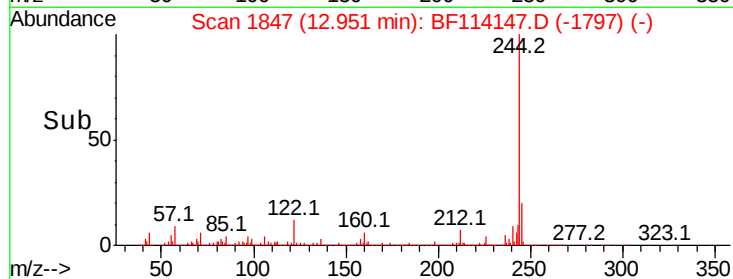
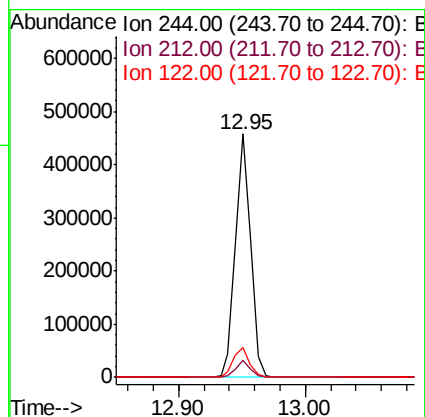
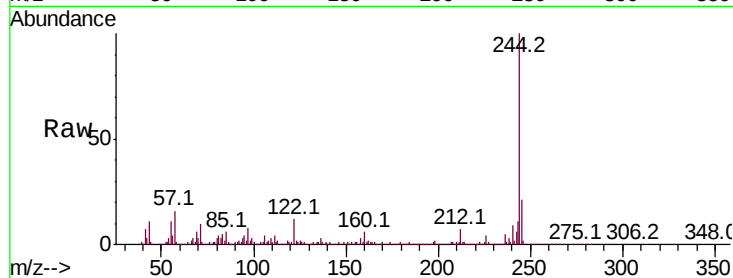




#79
 Terphenyl-d14
 Concen: 14.105 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114147.D
 Acq: 11 May 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Tot Ion:244 Resp: 375891
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 12.1 9.4 14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BF114147.D
 Acq: 11 May 2019 3:11

Tgt Ion:264 Resp: 480690
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.0
 265 21.7 16.9 25.3

