

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126443.D
 Acq On : 31 Dec 2021 3:54
 Operator : JU/CG
 Sample : M5244-34 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-12D

Quant Time: Dec 31 05:39:15 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

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

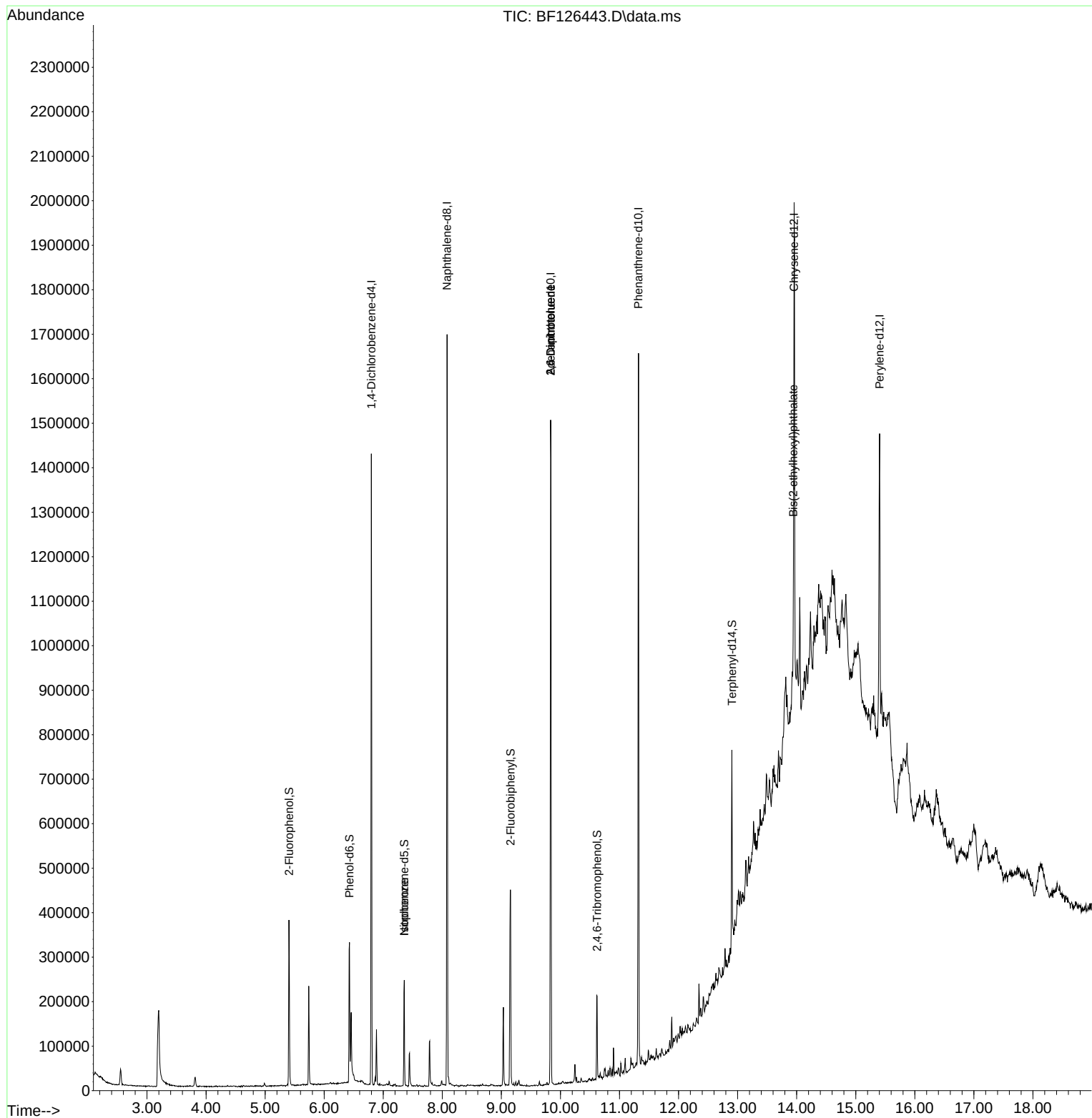
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	190799	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	704884	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	308627	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	544047	20.000	ng	0.00
76) Chrysene-d12	13.957	240	412909	20.000	ng	0.00
86) Perylene-d12	15.404	264	312545	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	106063	7.983	ng	0.00
7) Phenol-d6	6.428	99	121291	7.048	ng	0.00
23) Nitrobenzene-d5	7.357	82	72990	5.317	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	21909	9.187	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	120637	6.878	ng	0.00
79) Terphenyl-d14	12.904	244	130244	6.129	ng	0.00
Target Compounds						
					Qvalue	
25) Isophorone	7.357	82	72989	2.970	ng	# 69
51) 2,6-Dinitrotoluene	9.833	165	40118	9.642	ng	# 21
57) 2,4-Dinitrotoluene	9.833	165	40118	7.473	ng	# 15
77) Benzidine	12.657	184	139	Below Cal		# 1
84) Bis(2-ethylhexyl)phtha...	13.945	149	55610	3.470	ng	96

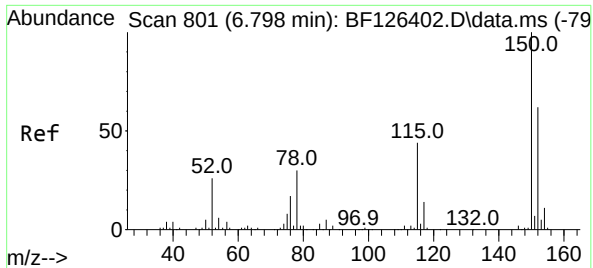
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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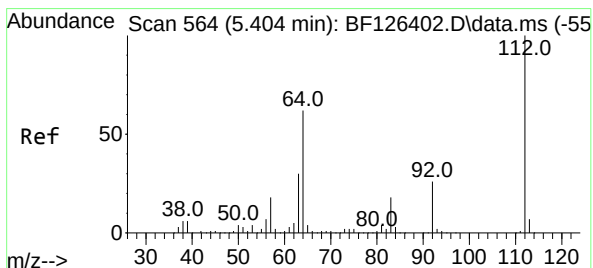
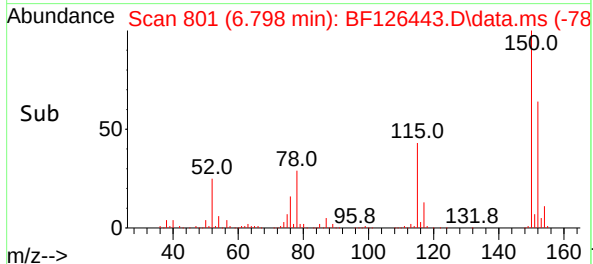
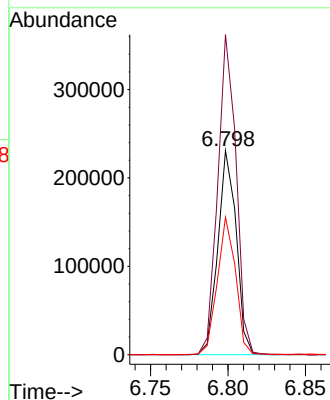
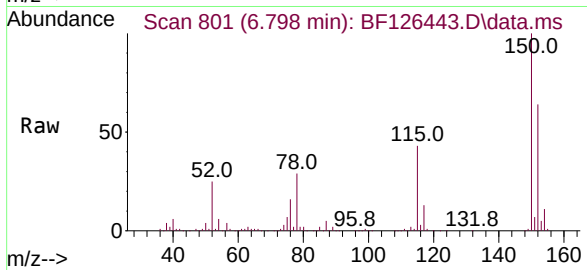




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

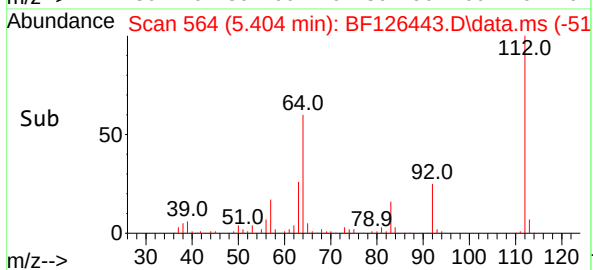
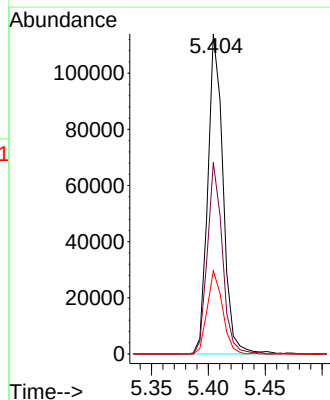
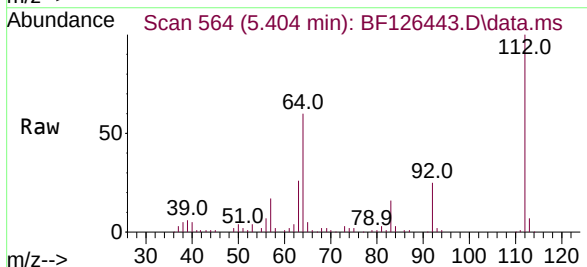
Instrument :
BNA_F
ClientSampleId :
CONC-12D

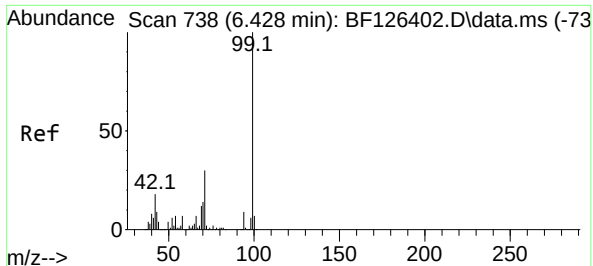
Tgt Ion:152 Resp: 190799
Ion Ratio Lower Upper
152 100
150 156.7 128.1 192.1
115 67.3 56.7 85.1



#5
2-Fluorophenol
Concen: 7.983 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

Tgt Ion:112 Resp: 106063
Ion Ratio Lower Upper
112 100
64 59.8 49.5 74.3
63 26.0 23.9 35.9

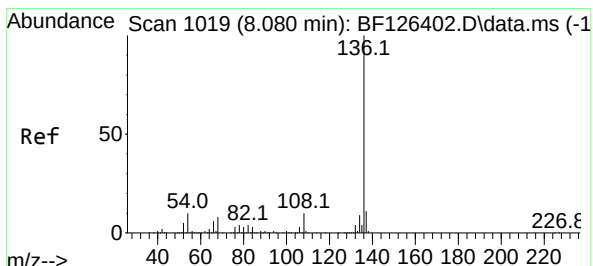
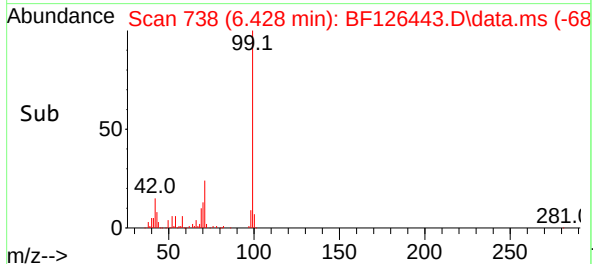
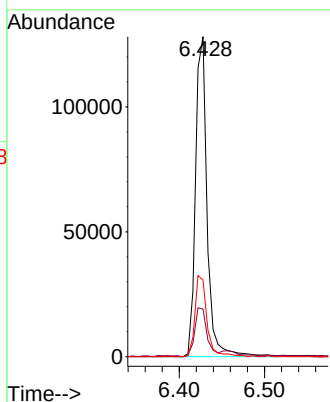
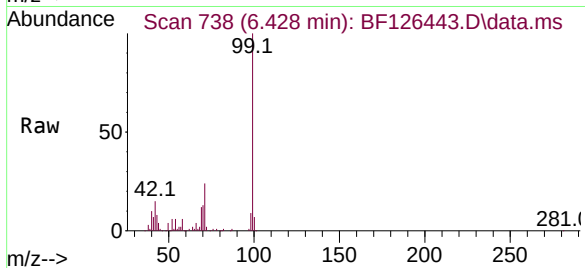




#7
Phenol-d6
Concen: 7.048 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

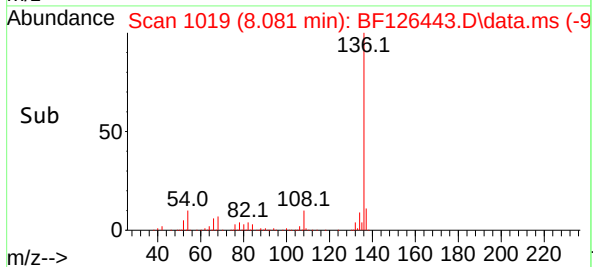
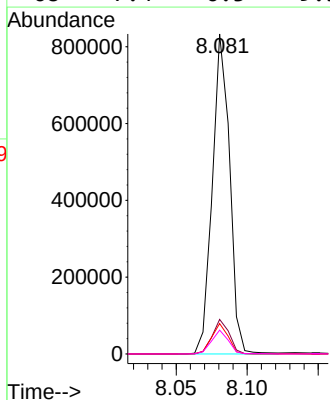
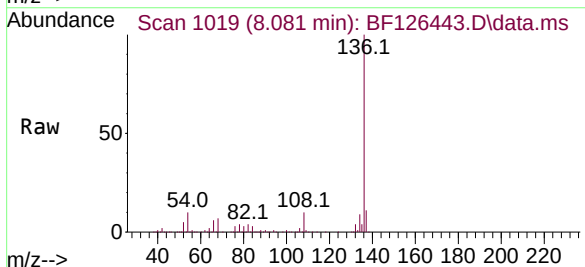
Instrument :
BNA_F
ClientSampleId :
CONC-12D

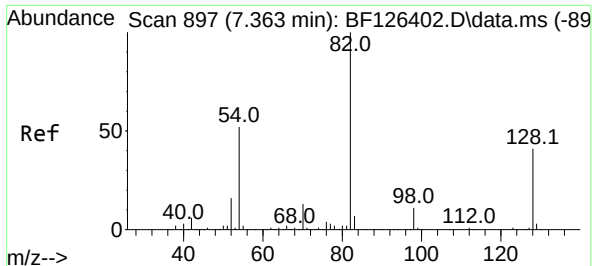
Tgt Ion: 99 Resp: 121291
Ion Ratio Lower Upper
99 100
42 14.9 14.2 21.4
71 24.0 24.3 36.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

Tgt Ion: 136 Resp: 704884
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.5 7.8 11.6
68 7.4 6.3 9.5





#23

Nitrobenzene-d5

Concen: 5.317 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF126443.D

Acq: 31 Dec 2021 3:54

Instrument :

BNA_F

ClientSampleId :

CONC-12D

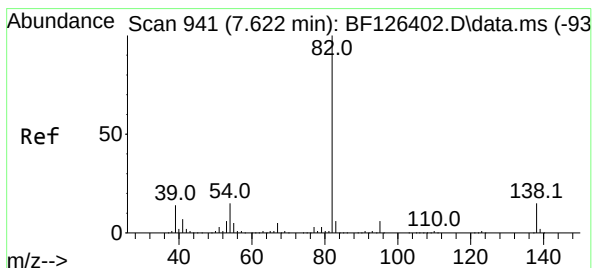
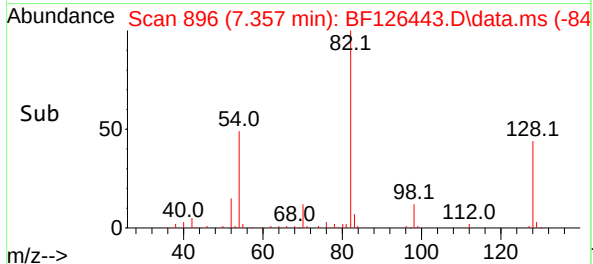
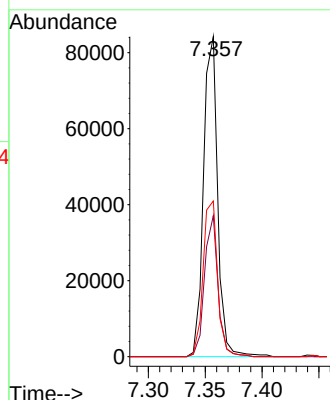
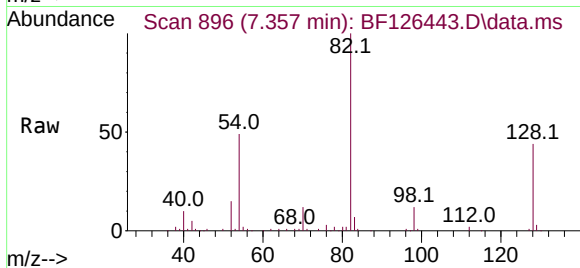
Tgt Ion: 82 Resp: 72990

Ion Ratio Lower Upper

82 100

128 44.0 32.7 49.1

54 48.6 41.7 62.5



#25

Isophorone

Concen: 2.970 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.265 min

Lab File: BF126443.D

Acq: 31 Dec 2021 3:54

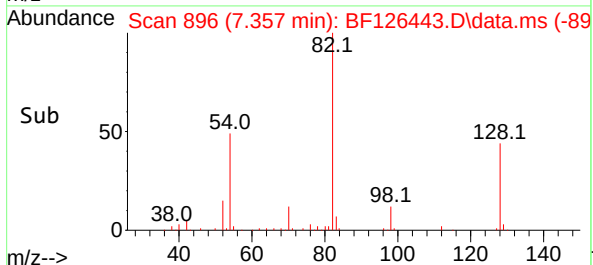
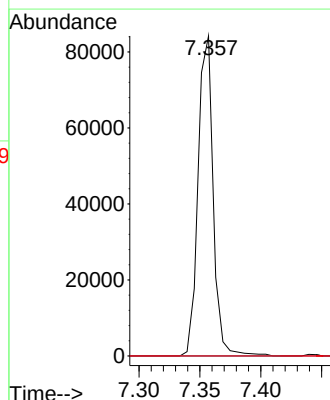
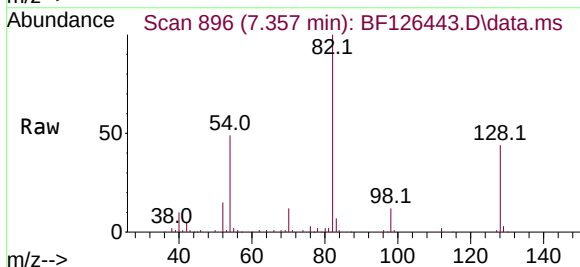
Tgt Ion: 82 Resp: 72989

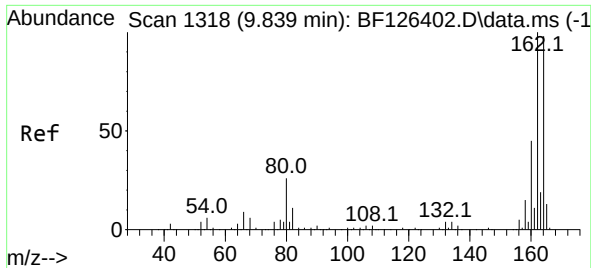
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#

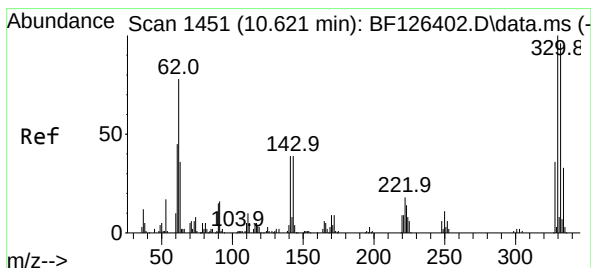
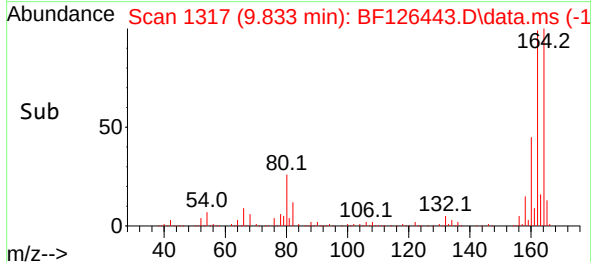
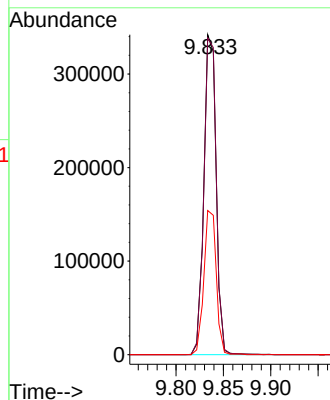
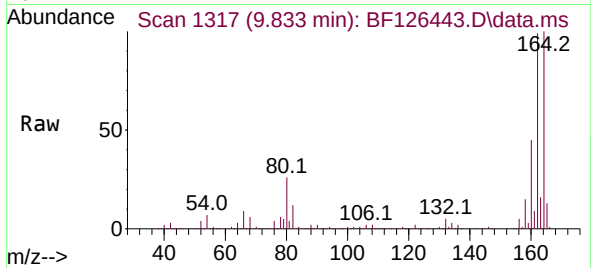




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

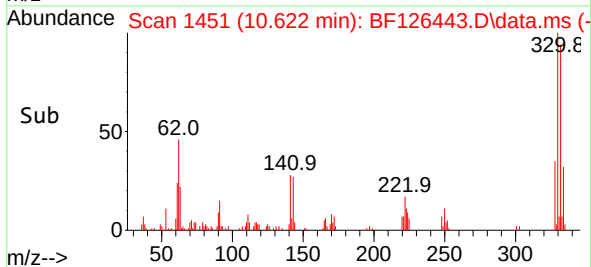
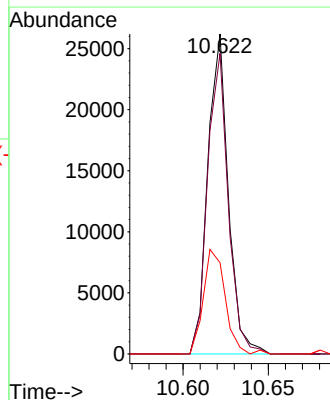
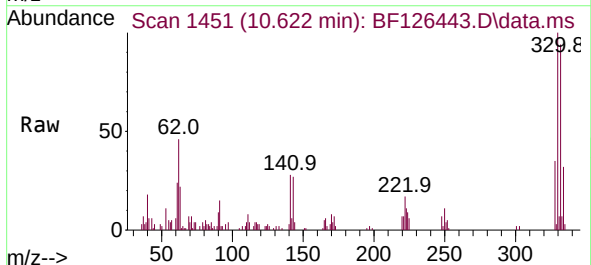
Instrument :
BNA_F
ClientSampleId :
CONC-12D

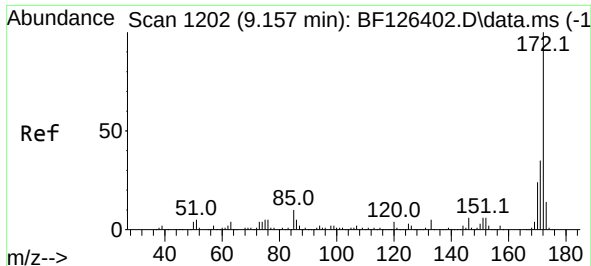
Tgt Ion:164 Resp: 308627
Ion Ratio Lower Upper
164 100
162 99.0 81.4 122.0
160 45.0 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 9.187 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

Tgt Ion:330 Resp: 21909
Ion Ratio Lower Upper
330 100
332 94.6 76.0 114.0
141 34.9 30.1 45.1

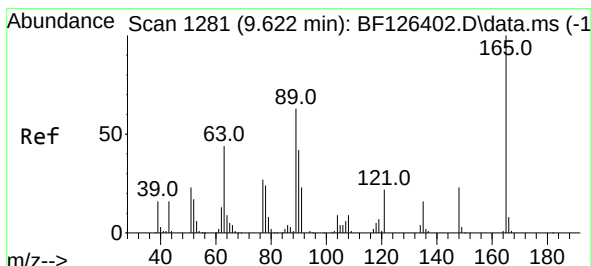
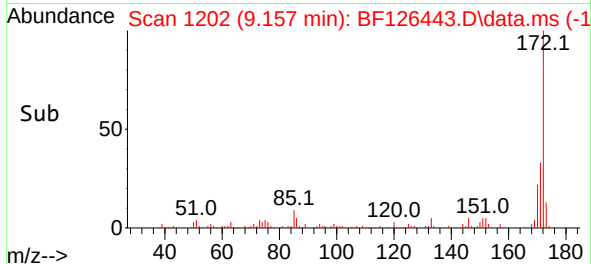
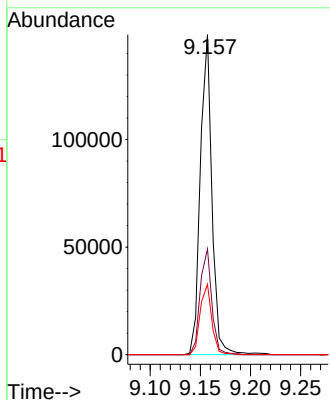
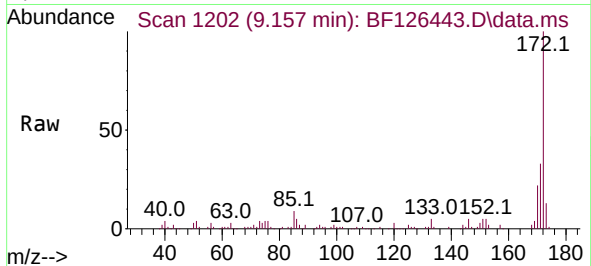




#45
2-Fluorobiphenyl
Concen: 6.878 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

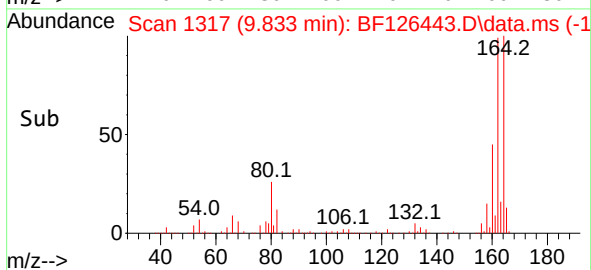
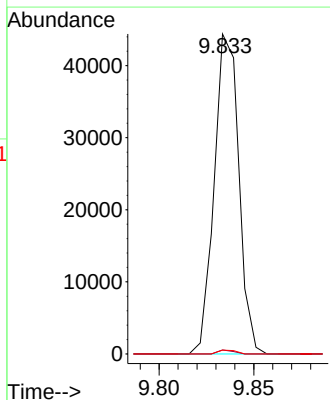
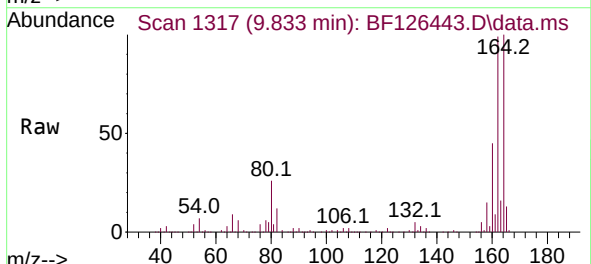
Instrument :
BNA_F
ClientSampleId :
CONC-12D

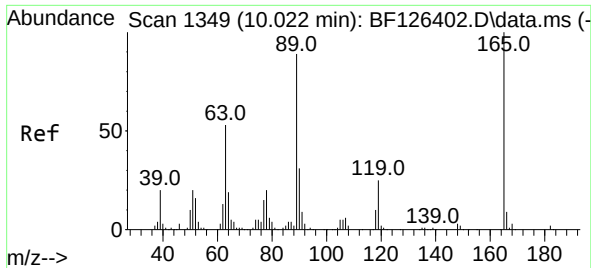
Tgt Ion:172 Resp: 120637
Ion Ratio Lower Upper
172 100
171 33.1 28.3 42.5
170 22.0 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.642 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.212 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

Tgt Ion:165 Resp: 40118
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 1.2 50.5 75.7#

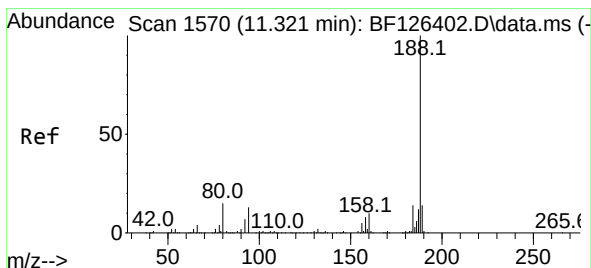
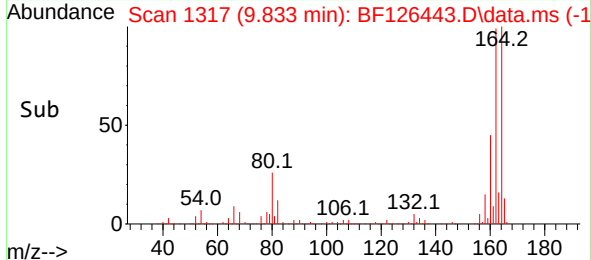
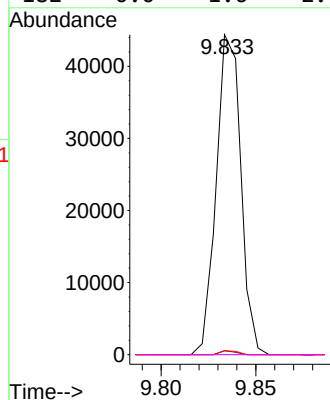
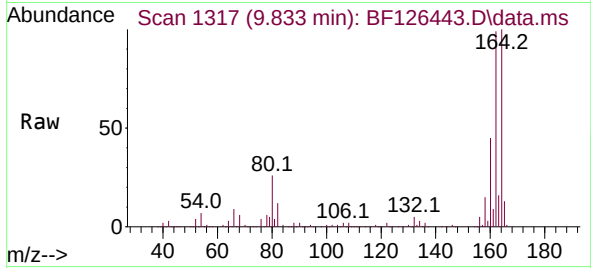




#57
2,4-Dinitrotoluene
Concen: 7.473 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

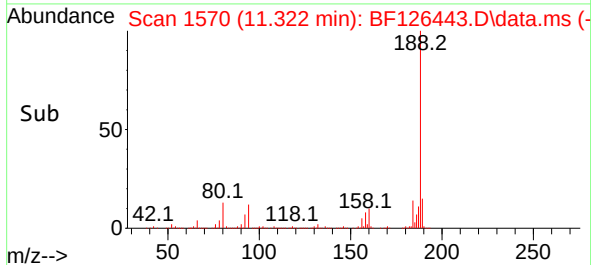
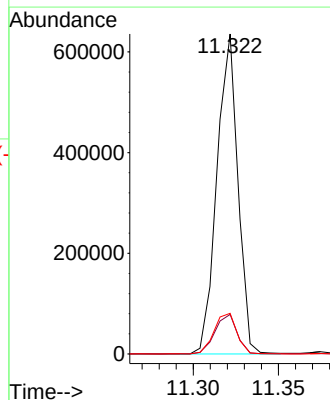
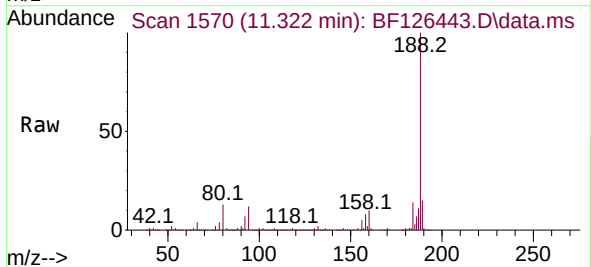
Instrument :
BNA_F
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CONC-12D

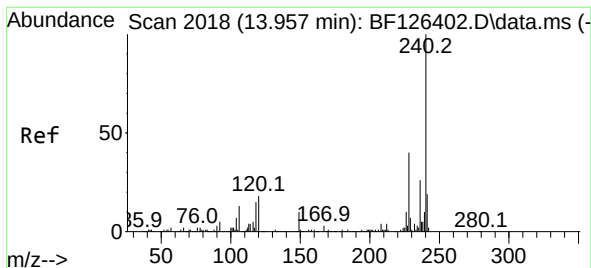
Tgt Ion:165 Resp: 40118
Ion Ratio Lower Upper
165 100
63 1.3 43.0 64.6#
89 1.2 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

Tgt Ion:188 Resp: 544047
Ion Ratio Lower Upper
188 100
94 12.4 10.1 15.1
80 12.7 11.8 17.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF126443.D

Acq: 31 Dec 2021 3:54

Instrument :

BNA_F

ClientSampleId :

CONC-12D

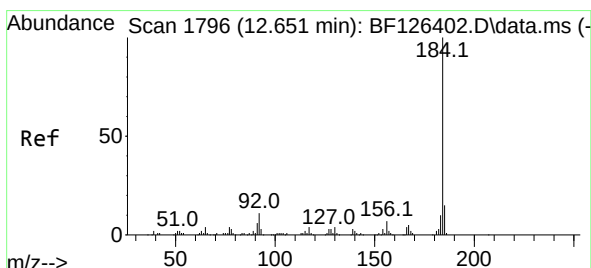
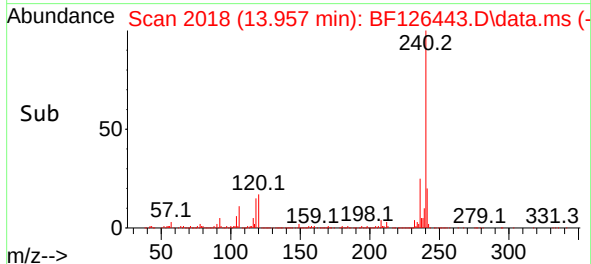
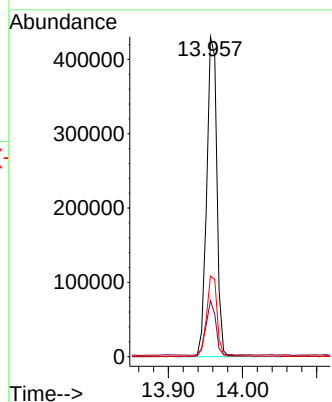
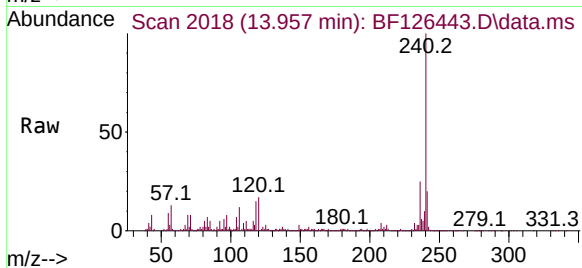
Tgt Ion:240 Resp: 412909

Ion Ratio Lower Upper

240 100

120 17.5 14.4 21.6

236 25.2 20.5 30.7



#77

Benzidine

Concen: Below Cal

RT: 12.657 min Scan# 1797

Delta R.T. 0.006 min

Lab File: BF126443.D

Acq: 31 Dec 2021 3:54

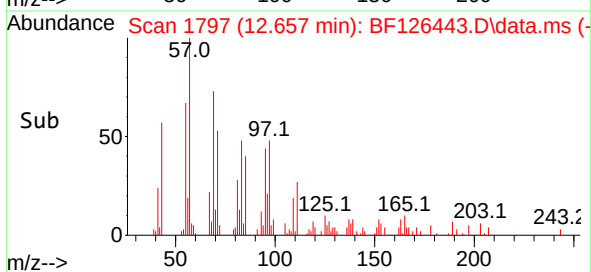
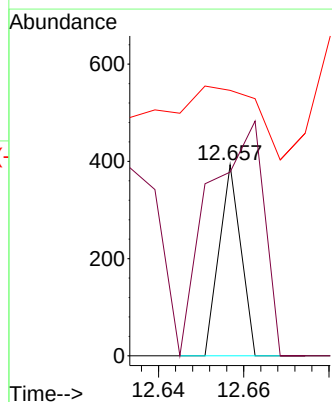
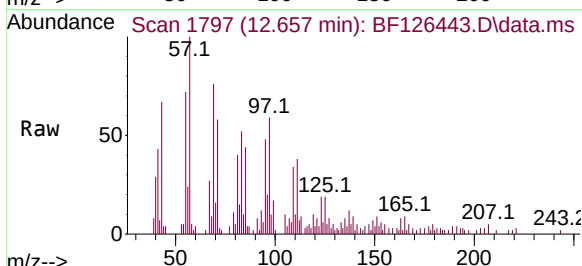
Tgt Ion:184 Resp: 139

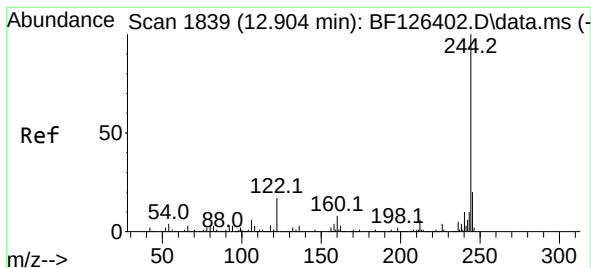
Ion Ratio Lower Upper

184 100

185 96.2 11.8 17.8#

183 138.9 8.2 12.2#





#79

Terphenyl-d14

Concen: 6.129 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BF126443.D

Acq: 31 Dec 2021 3:54

Instrument :

BNA_F

ClientSampleId :

CONC-12D

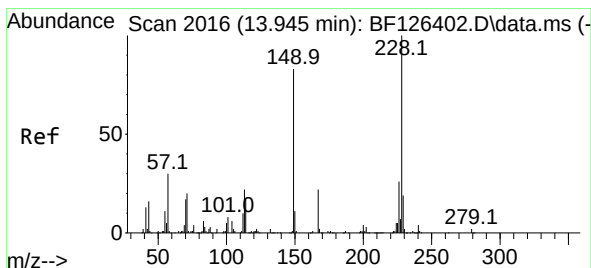
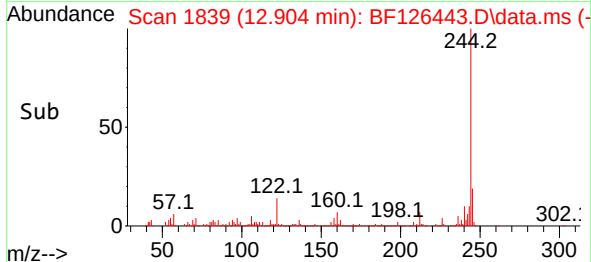
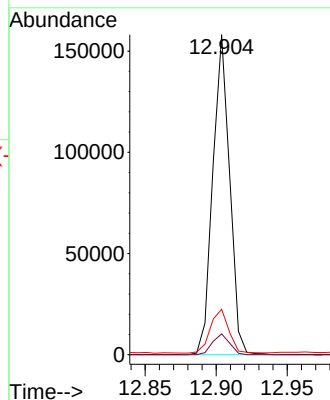
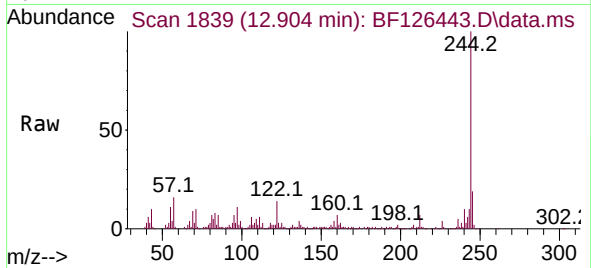
Tgt Ion:244 Resp: 130244

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

122 14.2 13.3 19.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.470 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF126443.D

Acq: 31 Dec 2021 3:54

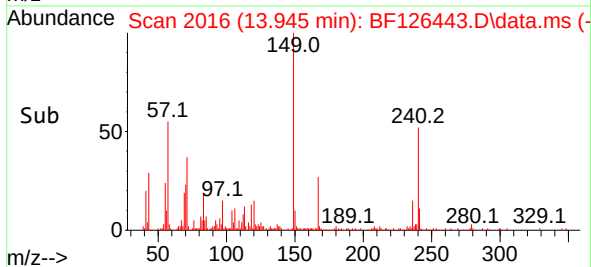
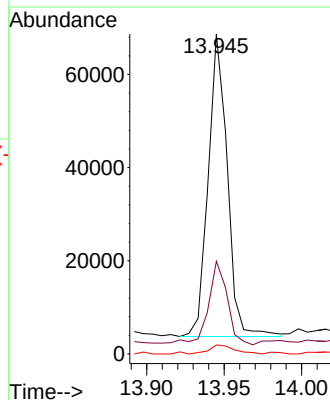
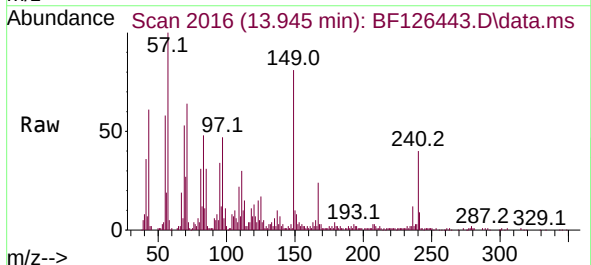
Tgt Ion:149 Resp: 55610

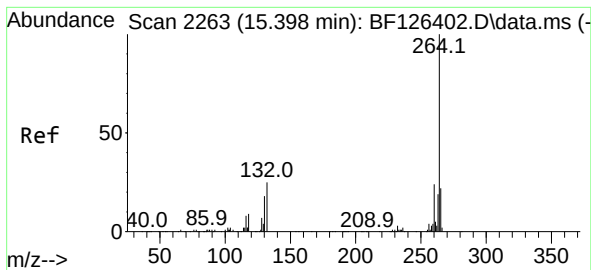
Ion Ratio Lower Upper

149 100

167 28.9 21.4 32.2

279 2.8 2.4 3.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126443.D
Acq: 31 Dec 2021 3:54

Instrument :
BNA_F
ClientSampleId :
CONC-12D

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	17.4	26.2

