

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126417.D
 Acq On : 30 Dec 2021 13:43
 Operator : JU/CG
 Sample : M5238-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-122321

Quant Time: Dec 30 14:41:03 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)

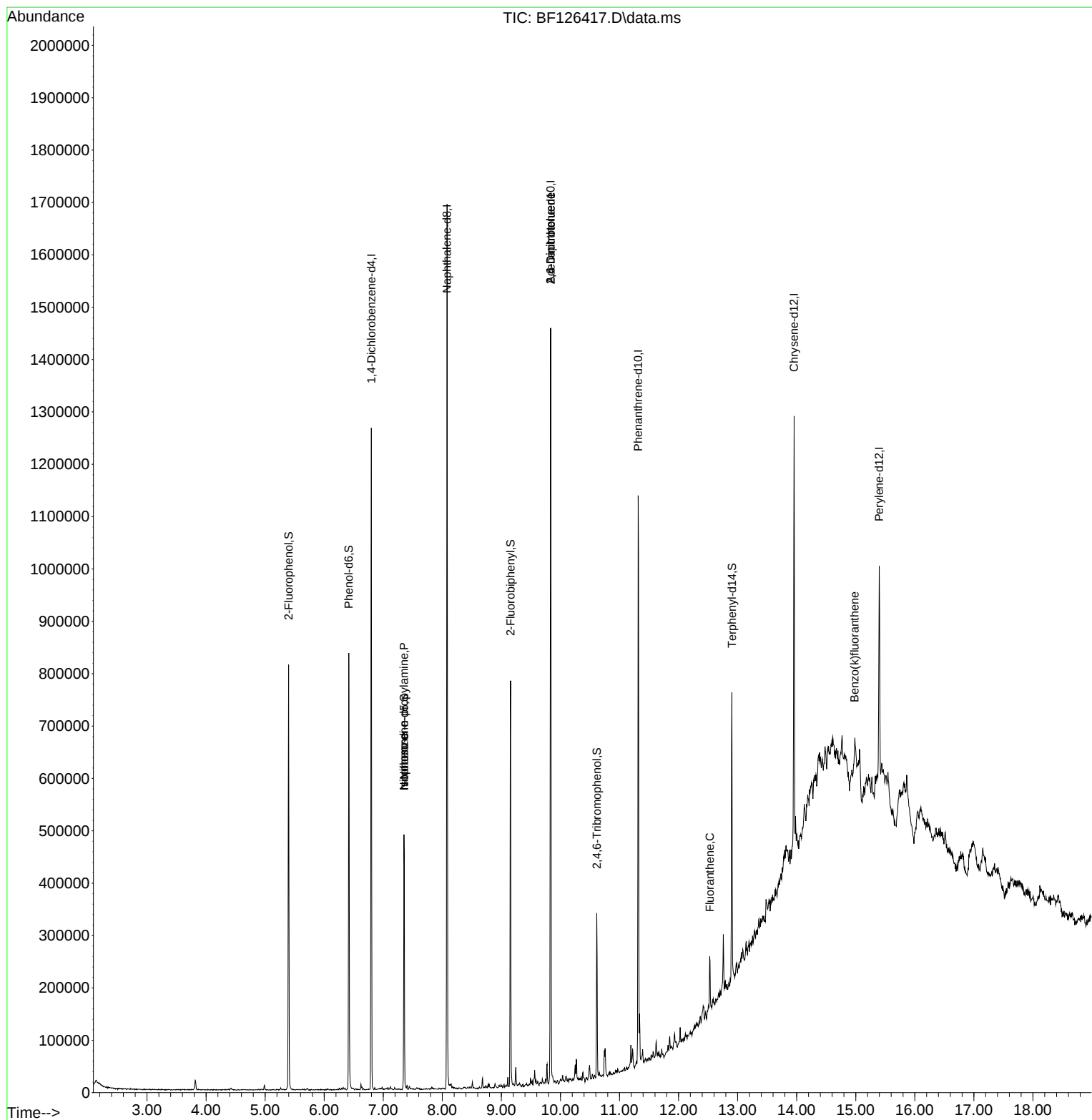
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	166040	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	660410	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	274994	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	378157	20.000	ng	0.00
76) Chrysene-d12	13.957	240	246244	20.000	ng	0.00
86) Perylene-d12	15.398	264	171478	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	207315	17.930	ng	0.00
7) Phenol-d6	6.416	99	261415	17.456	ng	-0.01
23) Nitrobenzene-d5	7.351	82	154014	11.974	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	28907	13.603	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	222955	14.267	ng	0.00
79) Terphenyl-d14	12.904	244	170471	13.451	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	19418	2.272	ng	# 81
25) Isophorone	7.351	82	151962	6.600	ng	# 69
51) 2,6-Dinitrotoluene	9.833	165	34668	9.351	ng	# 21
57) 2,4-Dinitrotoluene	9.833	165	34668	7.248	ng	# 15
75) Fluoranthene	12.527	202	39850	2.258	ng	94
77) Benzidine	12.645	184	245	Below Cal	#	1
89) Benzo(k)fluoranthene	14.980	252	19809	2.002	ng	# 3

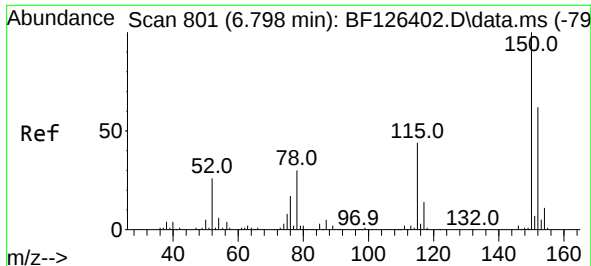
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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Quant Time: Dec 30 14:41:03 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 30 04:30:49 2021
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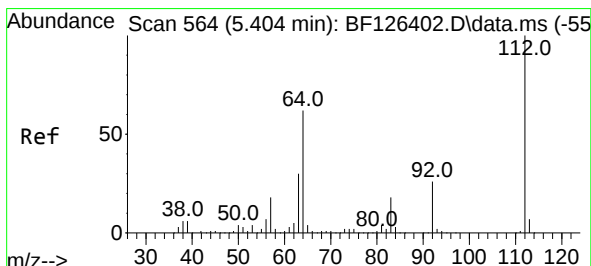
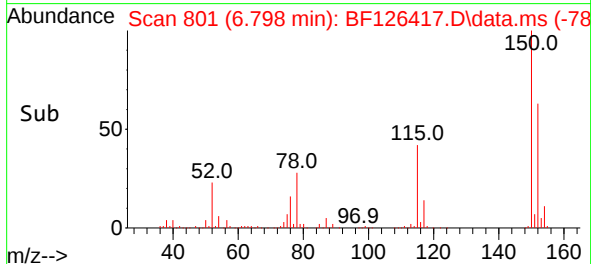
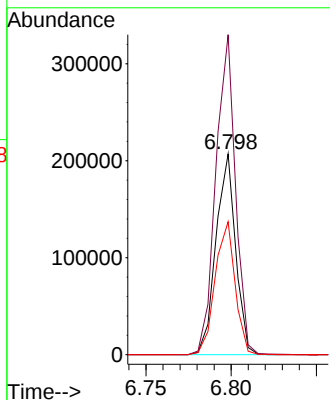
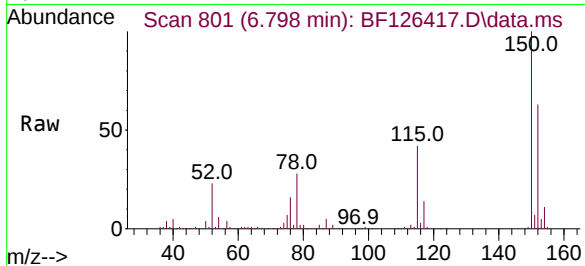




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

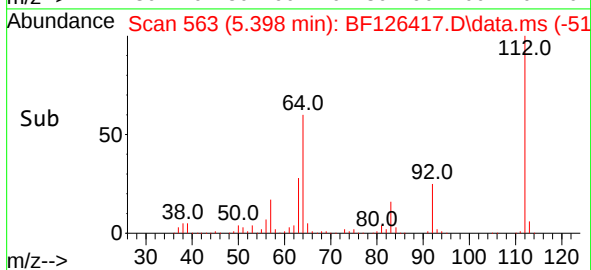
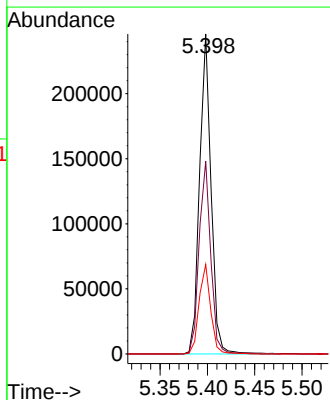
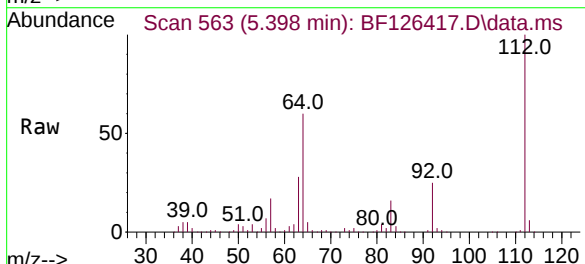
Instrument :
BNA_F
ClientSampleId :
OK-02-122321

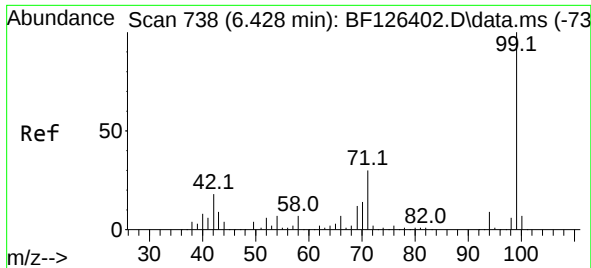
Tgt Ion:152 Resp: 166040
Ion Ratio Lower Upper
152 100
150 159.3 128.1 192.1
115 66.2 56.7 85.1



#5
2-Fluorophenol
Concen: 17.930 ng
RT: 5.398 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

Tgt Ion:112 Resp: 207315
Ion Ratio Lower Upper
112 100
64 60.2 49.5 74.3
63 28.0 23.9 35.9

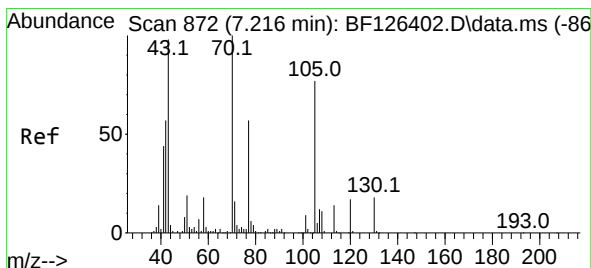
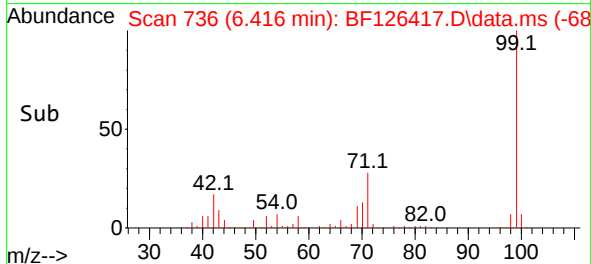
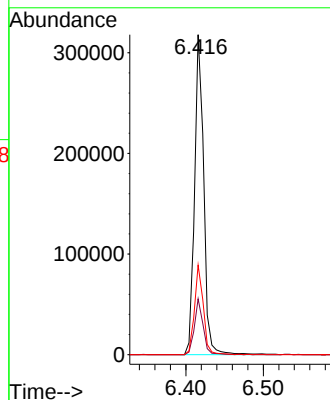
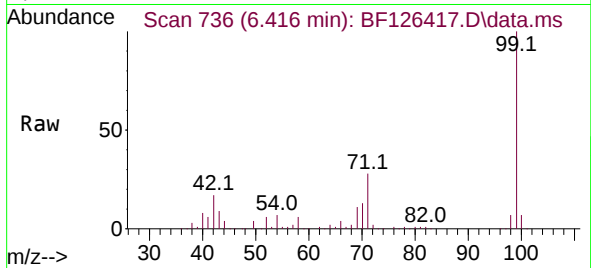




#7
Phenol-d6
Concen: 17.456 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

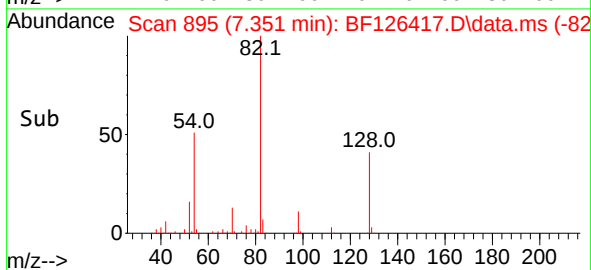
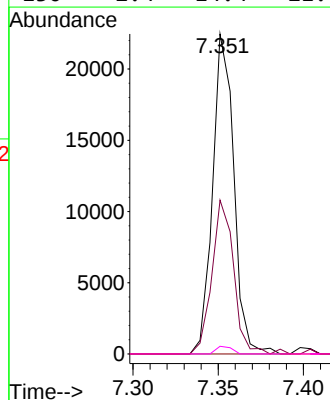
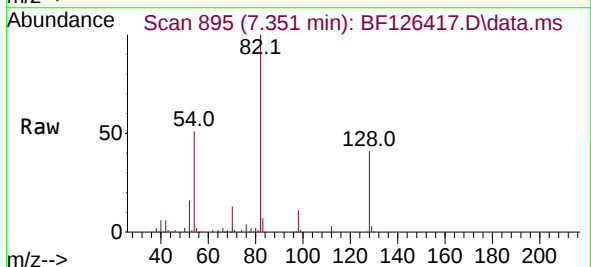
Instrument :
BNA_F
ClientSampleId :
OK-02-122321

Tgt Ion: 99 Resp: 261415
Ion Ratio Lower Upper
99 100
42 17.5 14.2 21.4
71 28.0 24.3 36.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.272 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

Tgt Ion: 70 Resp: 19418
Ion Ratio Lower Upper
70 100
42 48.0 45.8 68.8
101 0.0 6.9 10.3#
130 2.4 14.4 21.6#



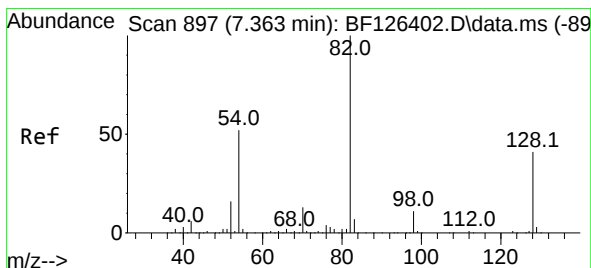
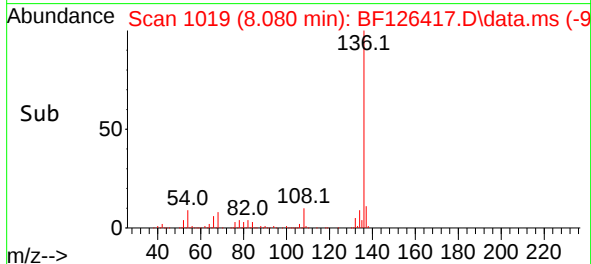
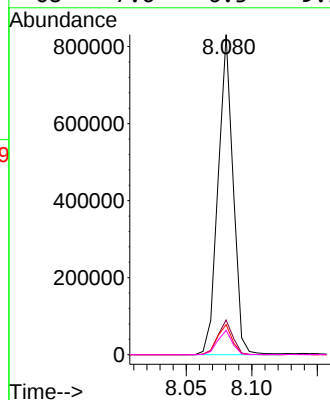
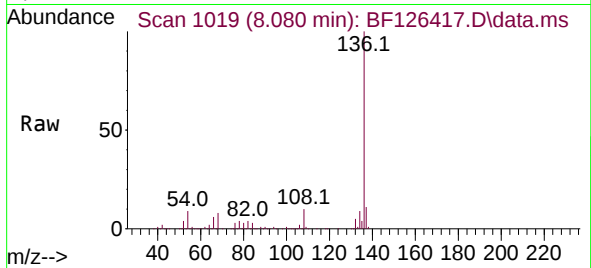


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

Instrument :
BNA_F
ClientSampleId :
OK-02-122321

Tgt Ion:136 Resp: 660410

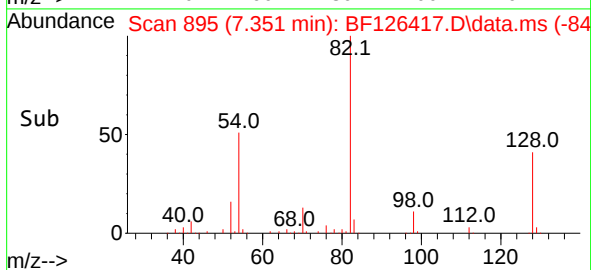
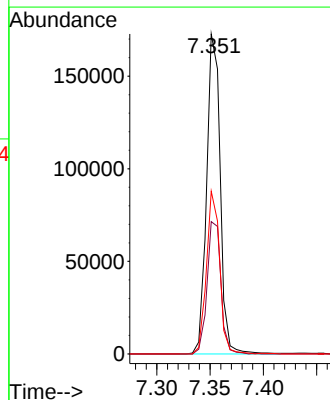
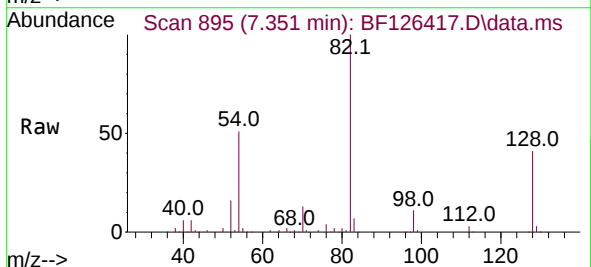
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.4	7.8	11.6
68	7.6	6.3	9.5

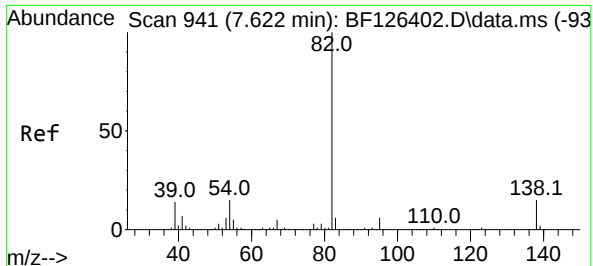


#23
Nitrobenzene-d5
Concen: 11.974 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

Tgt Ion: 82 Resp: 154014

Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.7	49.1
54	50.9	41.7	62.5

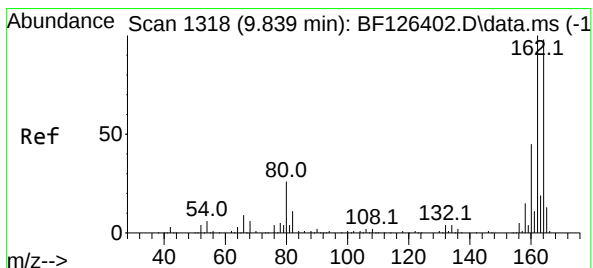
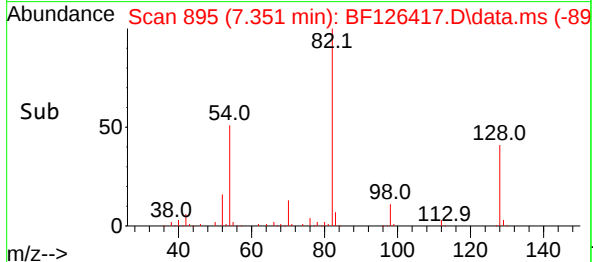
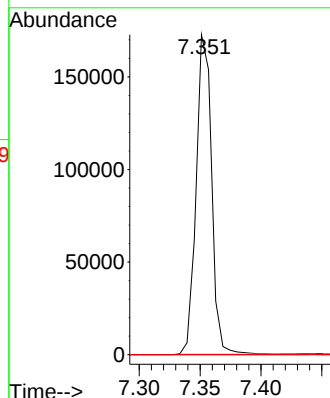
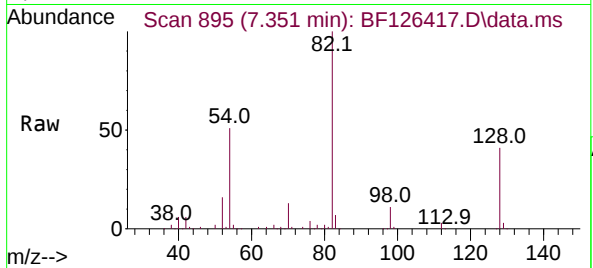




#25
Isophorone
Concen: 6.600 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

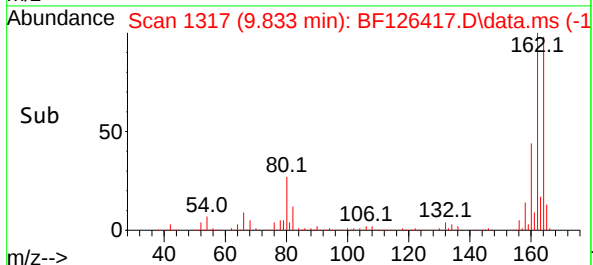
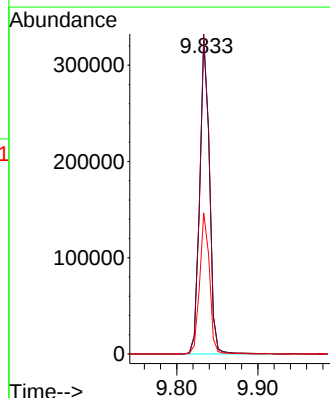
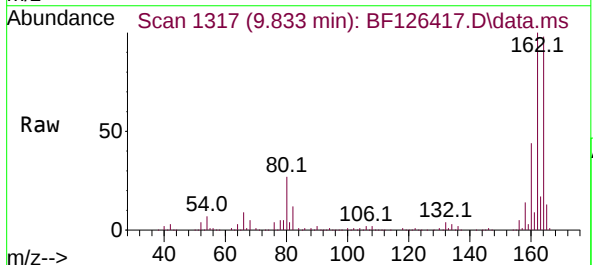
Instrument :
BNA_F
ClientSampleId :
OK-02-122321

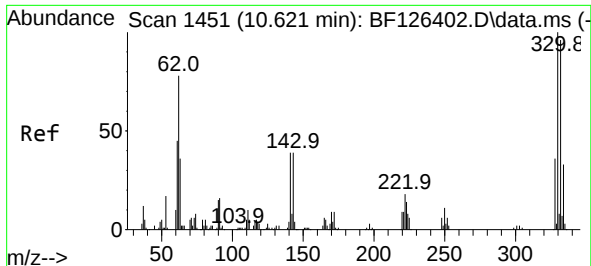
Tgt Ion: 82 Resp: 151962
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

Tgt Ion: 164 Resp: 274994
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.0
160 45.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 13.603 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF126417.D

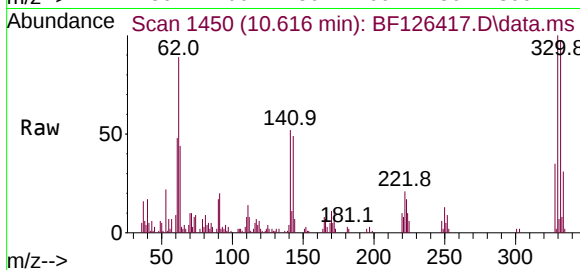
Acq: 30 Dec 2021 13:43

Instrument :

BNA_F

ClientSampleId :

OK-02-122321



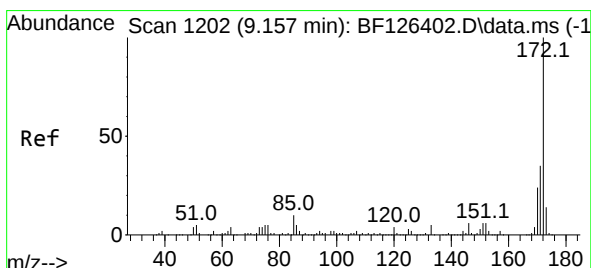
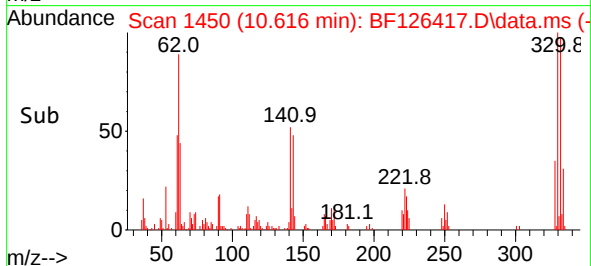
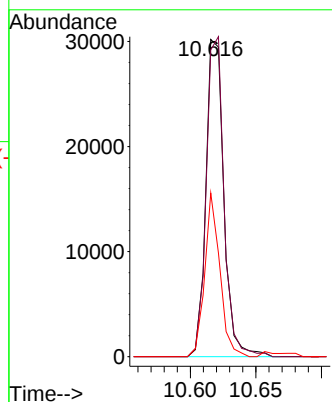
Tgt Ion:330 Resp: 28907

Ion Ratio Lower Upper

330 100

332 99.4 76.0 114.0

141 43.4 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 14.267 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF126417.D

Acq: 30 Dec 2021 13:43

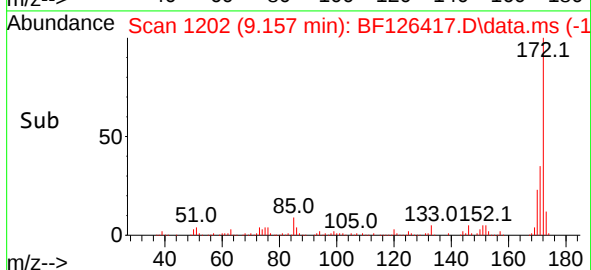
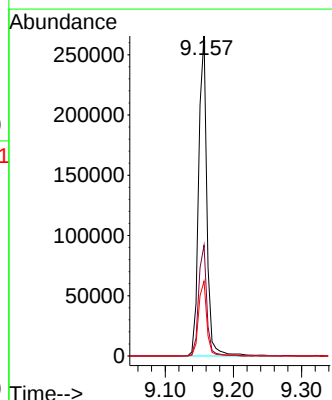
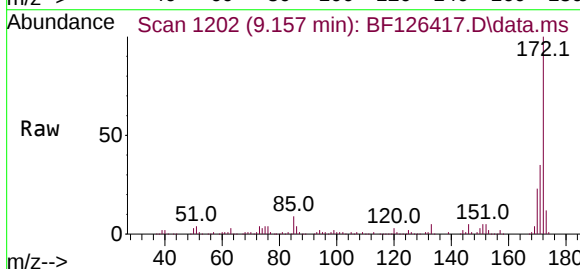
Tgt Ion:172 Resp: 222955

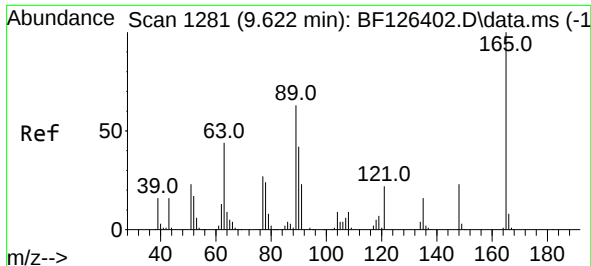
Ion Ratio Lower Upper

172 100

171 34.6 28.3 42.5

170 23.4 19.0 28.6

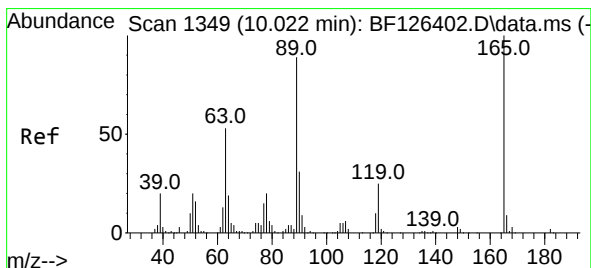
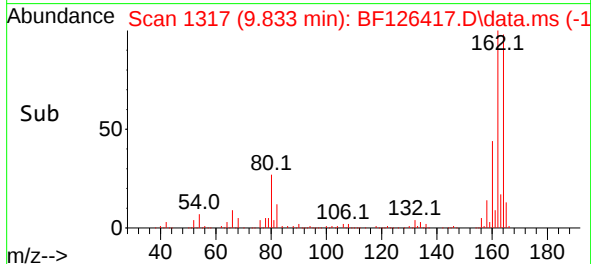
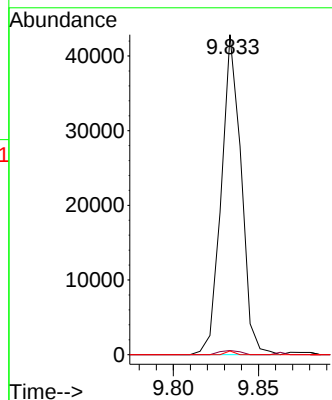
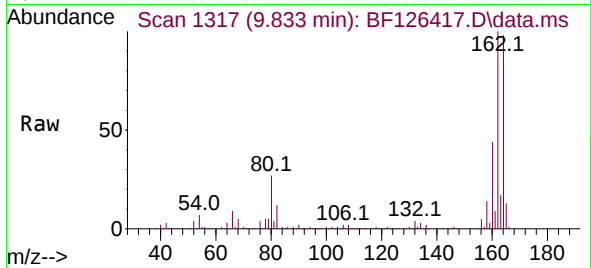




#51
2,6-Dinitrotoluene
Concen: 9.351 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

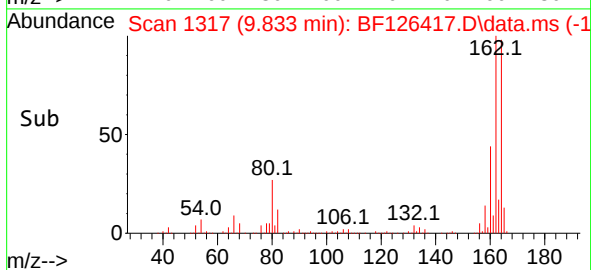
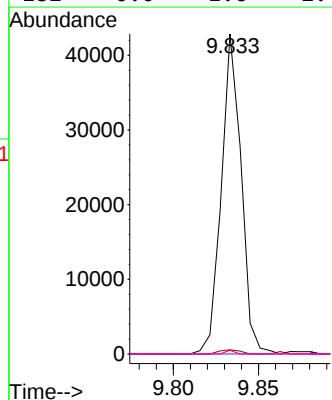
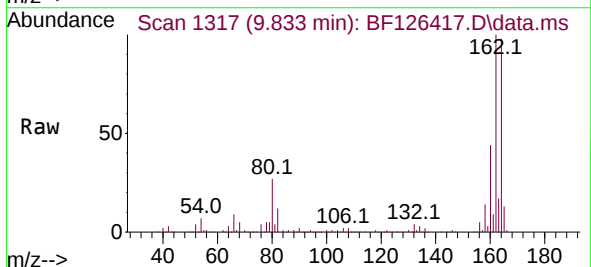
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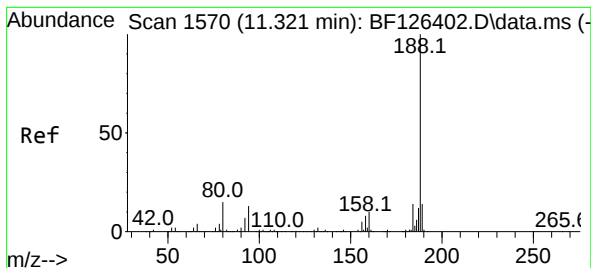
Tgt Ion:165 Resp: 34668
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 1.2 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 7.248 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF126417.D
Acq: 30 Dec 2021 13:43

Tgt Ion:165 Resp: 34668
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: 11.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126417.D

Acq: 30 Dec 2021 13:43

Instrument :

BNA_F

ClientSampleId :

OK-02-122321

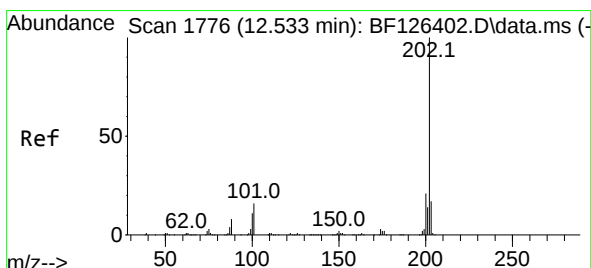
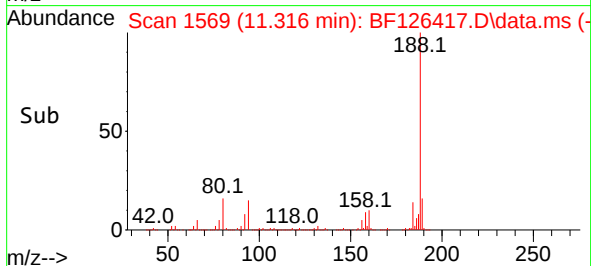
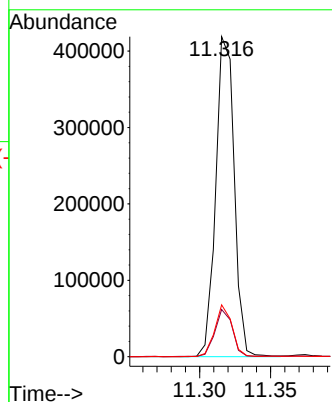
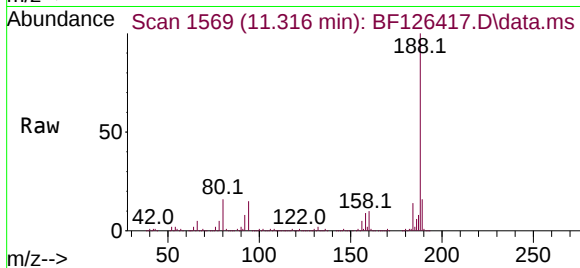
Tgt Ion:188 Resp: 378157

Ion Ratio Lower Upper

188 100

94 14.8 10.1 15.1

80 16.2 11.8 17.6



#75

Fluoranthene

Concen: 2.258 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.006 min

Lab File: BF126417.D

Acq: 30 Dec 2021 13:43

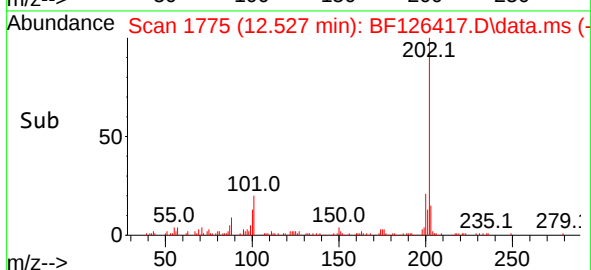
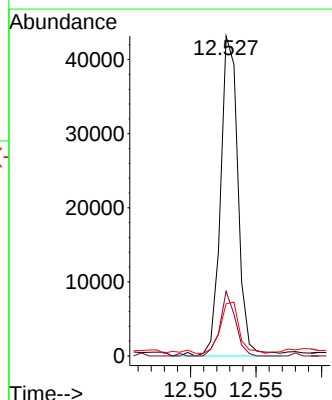
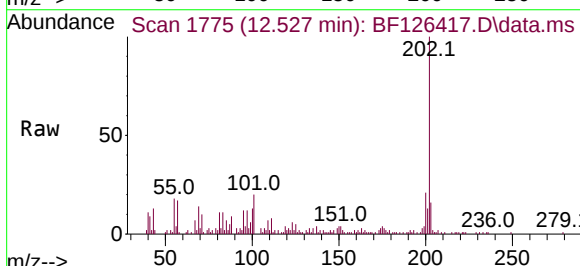
Tgt Ion:202 Resp: 39850

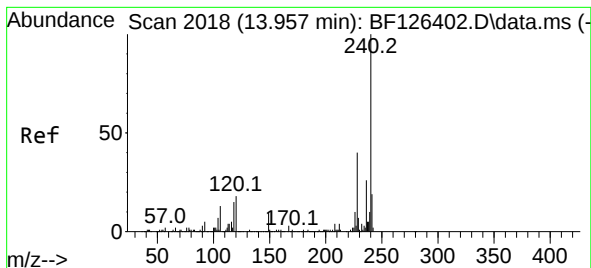
Ion Ratio Lower Upper

202 100

101 20.3 0.0 35.7

203 16.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF126417.D

Acq: 30 Dec 2021 13:43

Instrument :

BNA_F

ClientSampleId :

OK-02-122321

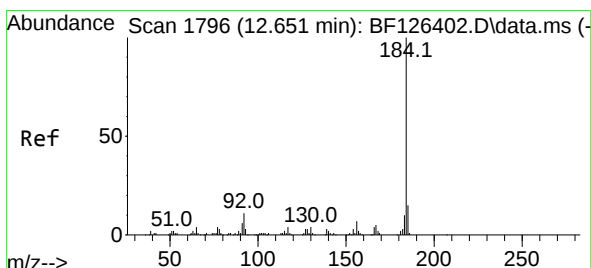
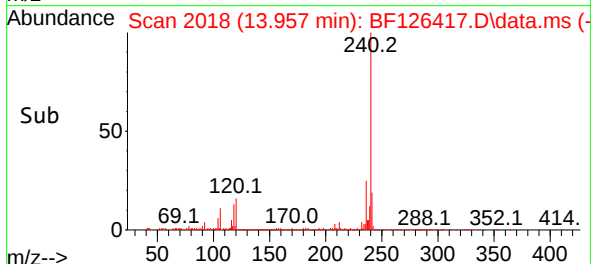
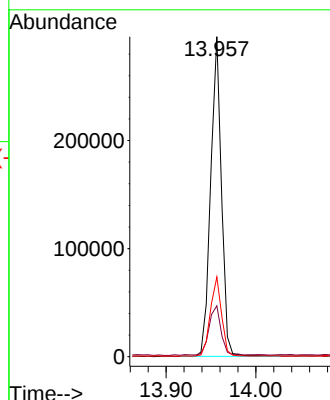
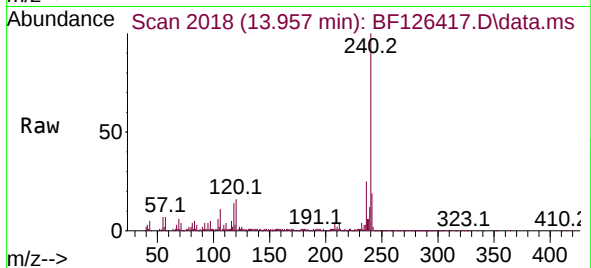
Tgt Ion:240 Resp: 246244

Ion Ratio Lower Upper

240 100

120 15.9 14.4 21.6

236 24.9 20.5 30.7



#77

Benzidine

Concen: Below Cal

RT: 12.645 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF126417.D

Acq: 30 Dec 2021 13:43

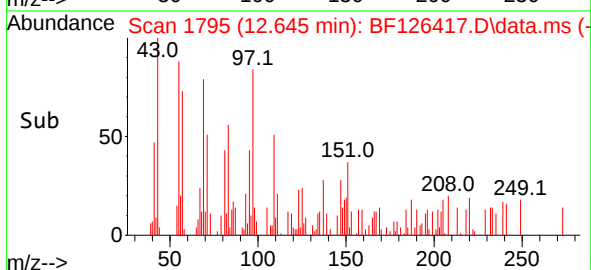
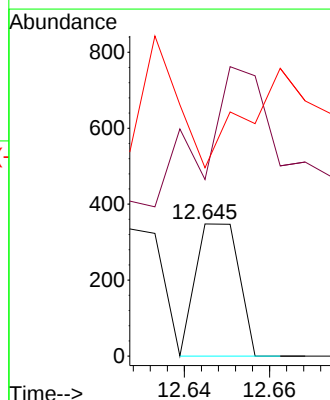
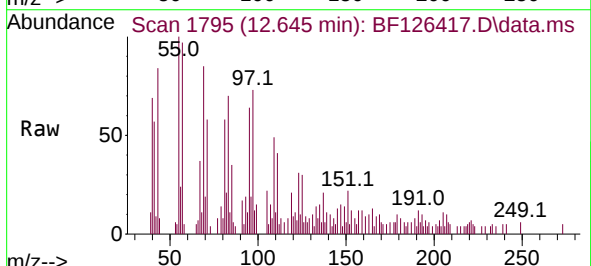
Tgt Ion:184 Resp: 245

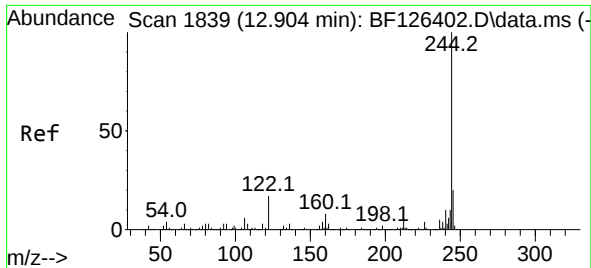
Ion Ratio Lower Upper

184 100

185 133.6 11.8 17.8#

183 142.5 8.2 12.2#

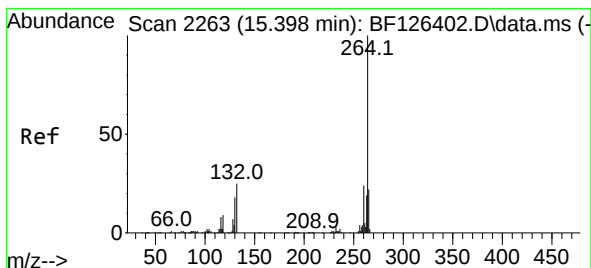
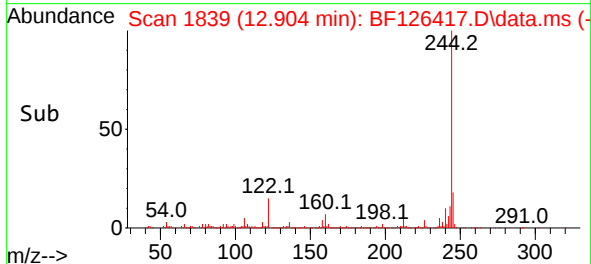
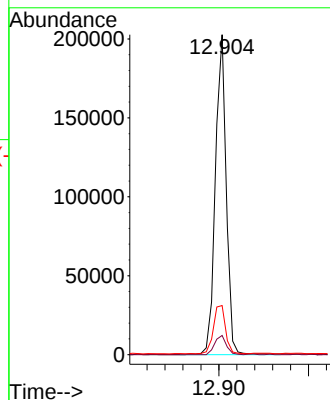
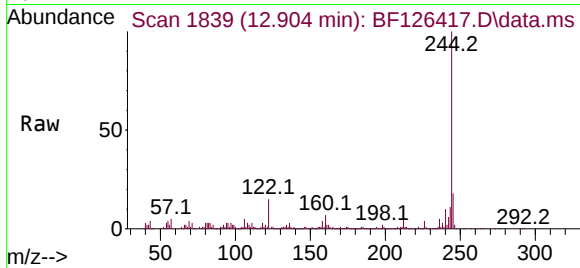




#79
 Terphenyl-d14
 Concen: 13.451 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.000 min
 Lab File: BF126417.D
 Acq: 30 Dec 2021 13:43

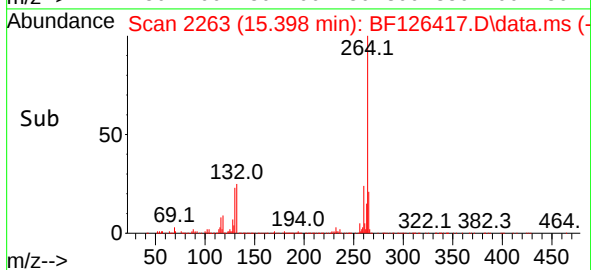
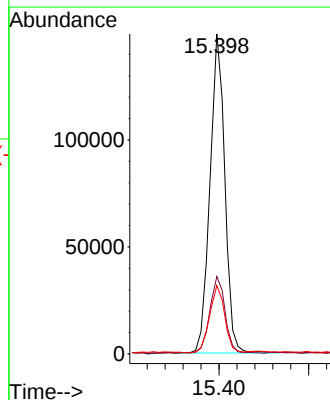
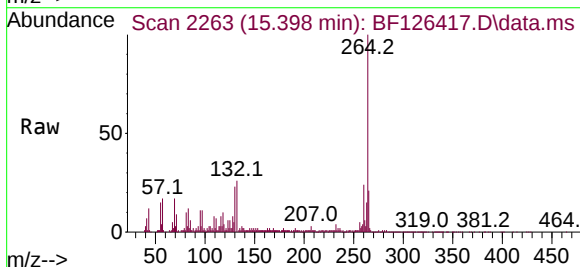
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-122321

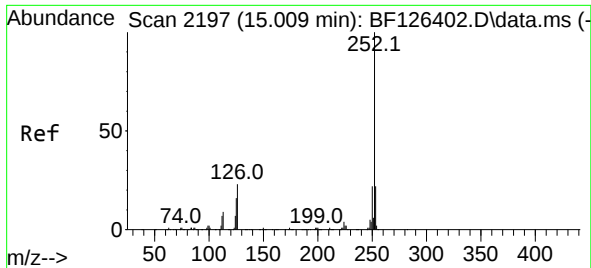
Tgt Ion:244 Resp: 170471
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.4
 122 15.3 13.3 19.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.398 min Scan# 2263
 Delta R.T. -0.000 min
 Lab File: BF126417.D
 Acq: 30 Dec 2021 13:43

Tgt Ion:264 Resp: 171478
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.4 17.4 26.2





#89

Benzo(k)fluoranthene

Concen: 2.002 ng

RT: 14.980 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF126417.D

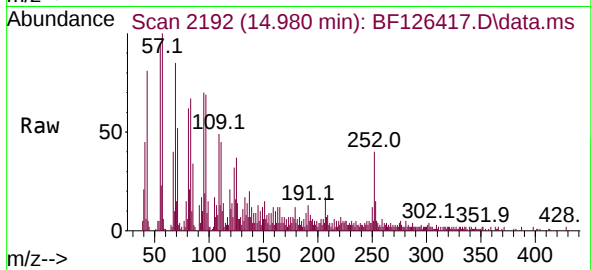
Acq: 30 Dec 2021 13:43

Instrument :

BNA_F

ClientSampleId :

OK-02-122321



Tgt Ion:252 Resp: 19809

Ion Ratio Lower Upper

252 100

253 39.1 17.5 26.3#

125 92.7 11.8 17.6#

