

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
 Data File : BF126318.D
 Acq On : 22 Dec 2021 2:29
 Operator : JU/CG
 Sample : M5184-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 05:24:39 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

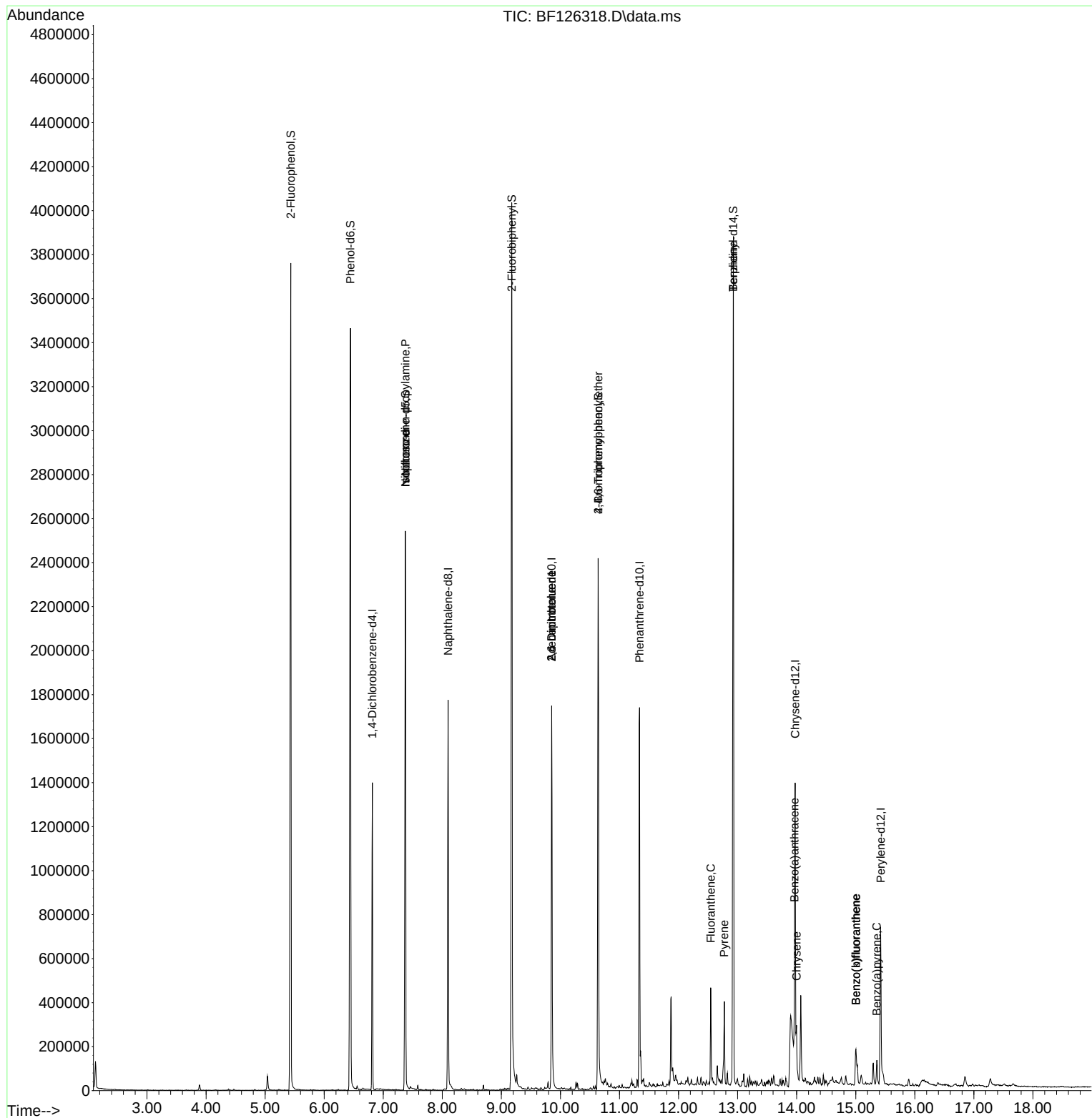
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	191960	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	837983	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	411906	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	669289	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	418952	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	319415	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1156481	88.721	ng	0.01
7) Phenol-d6	6.445	99	1502848	90.800	ng	0.00
23) Nitrobenzene-d5	7.375	82	990339	64.006	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	340130	102.750	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1482441	63.122	ng	0.00
79) Terphenyl-d14	12.927	244	1302516	54.038	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	125807	12.382	ng	# 55
25) Isophorone	7.375	82	942135	32.244	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	53178	9.416	ng	# 28
57) 2,4-Dinitrotoluene	9.851	165	53630	7.444	ng	# 20
67) 4-Bromophenyl-phenylether	10.639	248	17866	2.844	ng	# 1
75) Fluoranthene	12.545	202	155117	4.984	ng	91
77) Benzidine	12.927	184	16351	2.476	ng	# 92
78) Pyrene	12.774	202	133424	3.466	ng	97
81) Benzo(a)anthracene	13.963	228	61527	2.479	ng	98
83) Chrysene	13.998	228	78270	3.036	ng	95
88) Benzo(b)fluoranthene	15.004	252	121974	6.355	ng	# 96
89) Benzo(k)fluoranthene	15.004	252	121974	6.644	ng	# 92
90) Benzo(a)pyrene	15.357	252	54937	3.444	ng	# 94

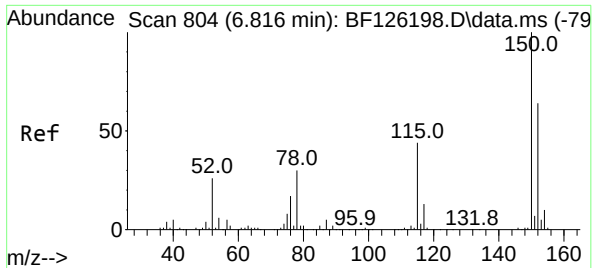
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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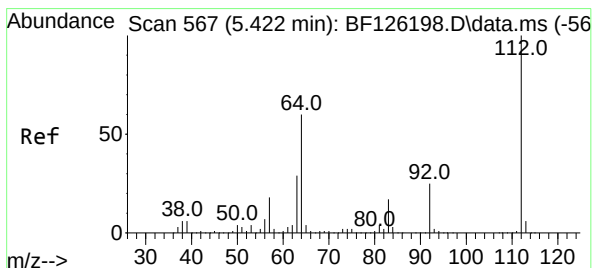
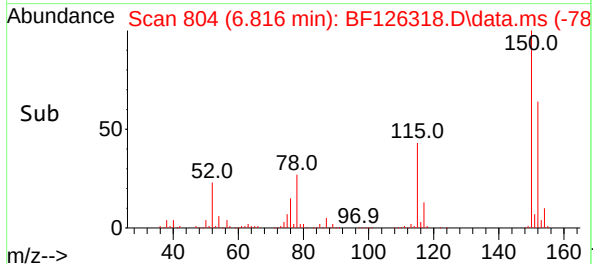
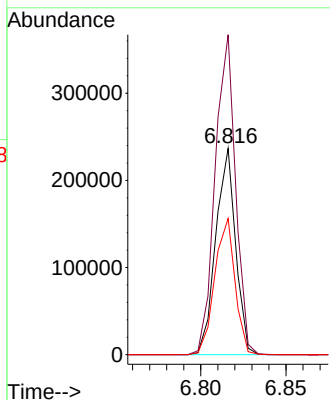
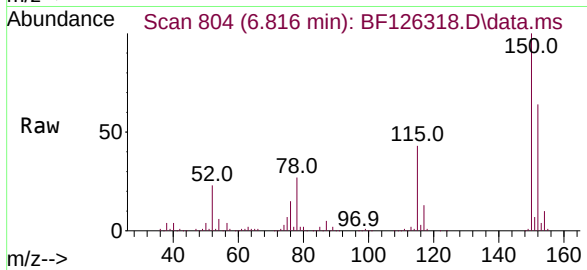




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. 0.000 min
 Lab File: BF126318.D
 Acq: 22 Dec 2021 2:29

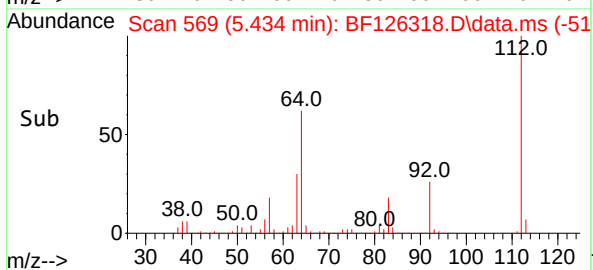
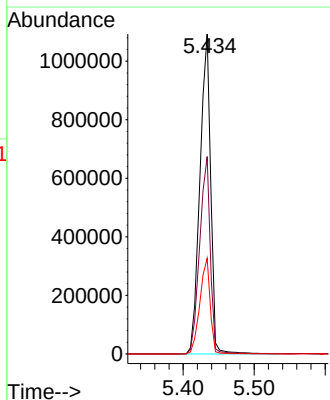
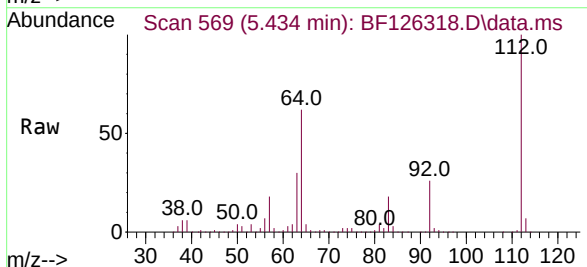
Instrument :
 BNA_F
 ClientSampleId :

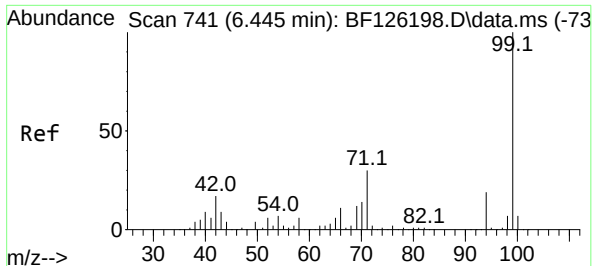
Tgt Ion:152 Resp: 191960
 Ion Ratio Lower Upper
 152 100
 150 155.1 117.6 176.4
 115 66.0 47.1 70.7



#5
 2-Fluorophenol
 Concen: 88.721 ng
 RT: 5.434 min Scan# 569
 Delta R.T. 0.012 min
 Lab File: BF126318.D
 Acq: 22 Dec 2021 2:29

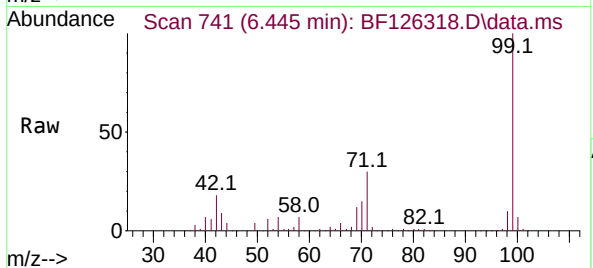
Tgt Ion:112 Resp: 1156481
 Ion Ratio Lower Upper
 112 100
 64 61.7 44.2 66.2
 63 29.9 26.2 39.2



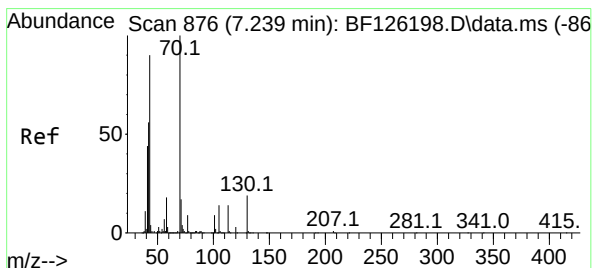
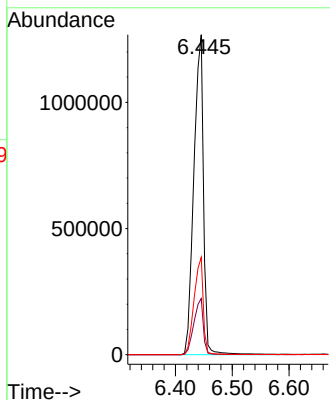
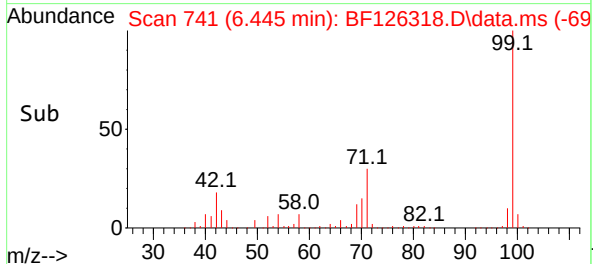


#7
Phenol-d6
Concen: 90.800 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

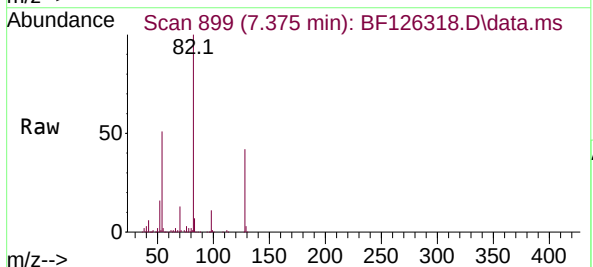
Instrument :
BNA_F
ClientSampleId :



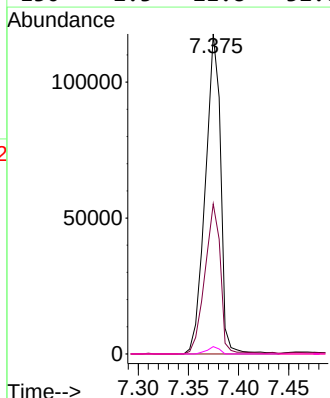
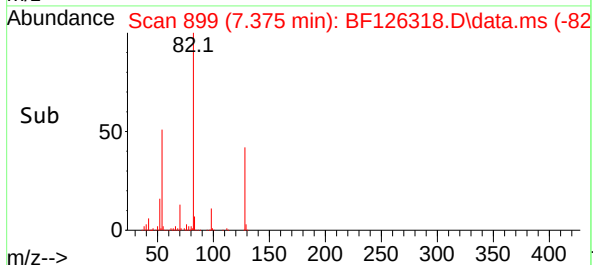
Tgt Ion: 99 Resp: 1502848
Ion Ratio Lower Upper
99 100
42 17.6 23.5 35.3#
71 30.4 25.6 38.4

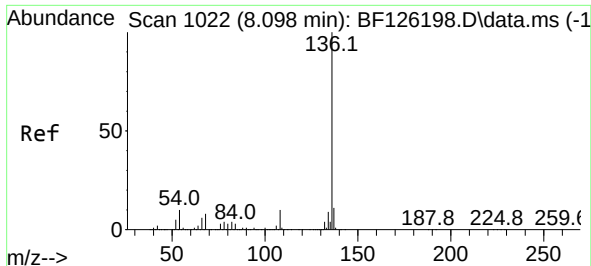


#19
n-Nitroso-di-n-propylamine
Concen: 12.382 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29



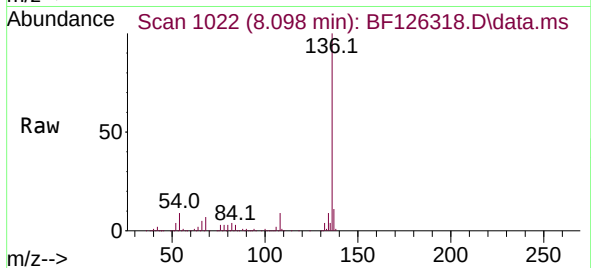
Tgt Ion: 70 Resp: 125807
Ion Ratio Lower Upper
70 100
42 46.9 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#



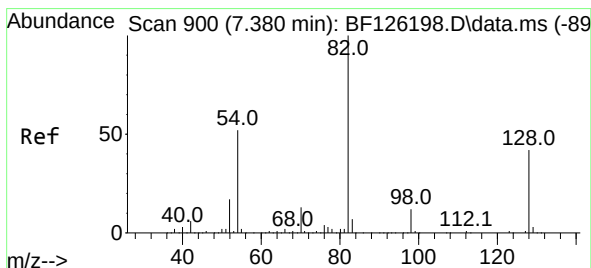
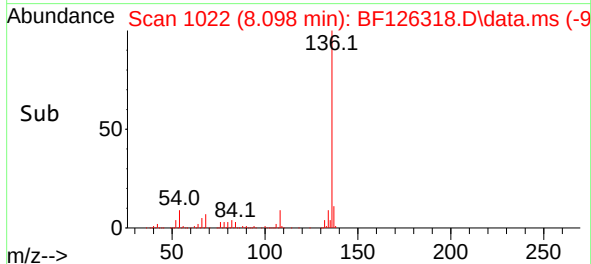
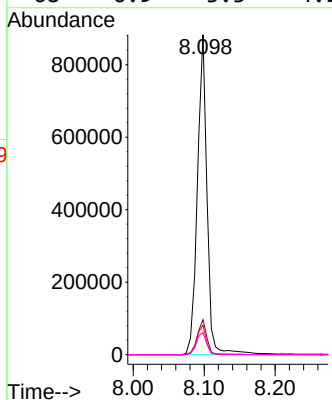


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

Instrument :
BNA_F
ClientSampleId :

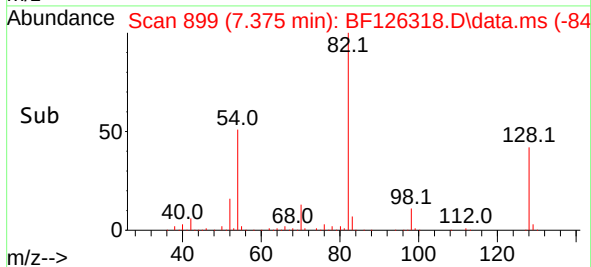
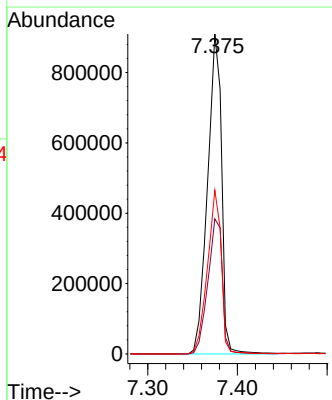
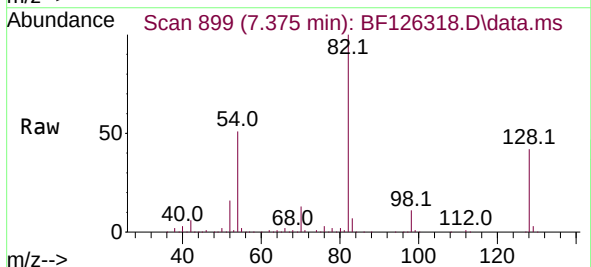


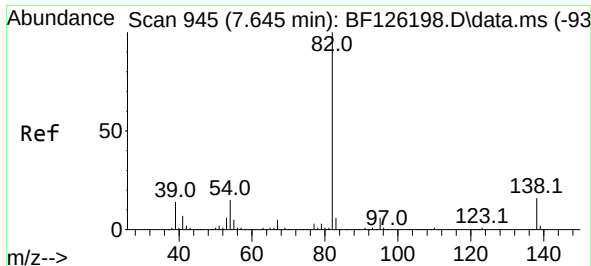
Tgt Ion:	136	Resp:	837983
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.6
54	9.2	6.4	9.6
68	6.9	3.3	4.9



#23
Nitrobenzene-d5
Concen: 64.006 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

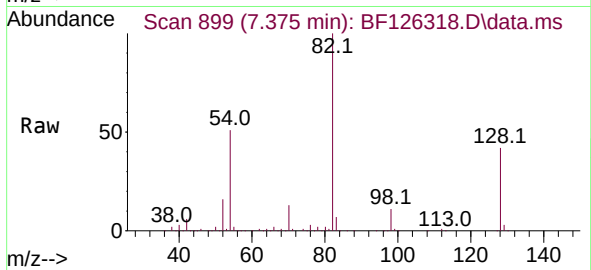
Tgt Ion:	82	Resp:	990339
Ion	Ratio	Lower	Upper
82	100		
128	42.2	40.6	60.8
54	51.2	49.6	74.4



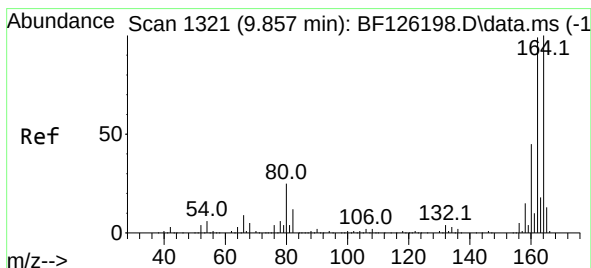
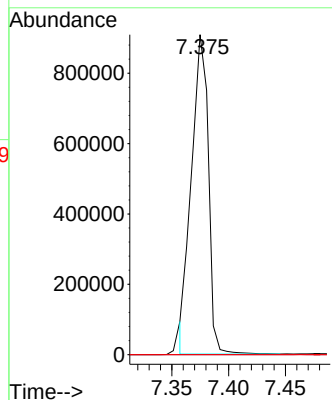
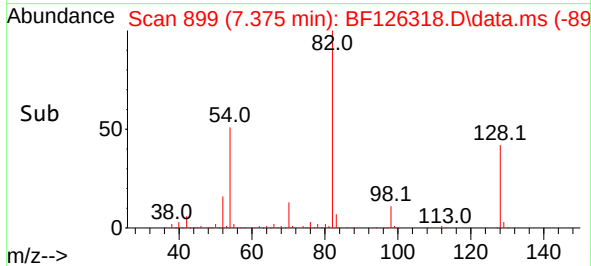


#25
Isophorone
Concen: 32.244 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.270 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

Instrument :
BNA_F
ClientSampleId :

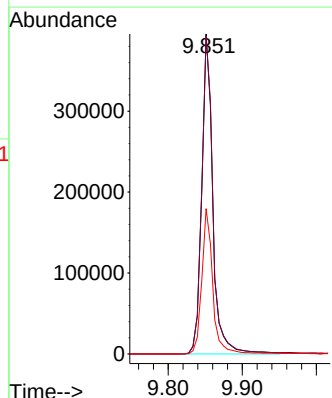
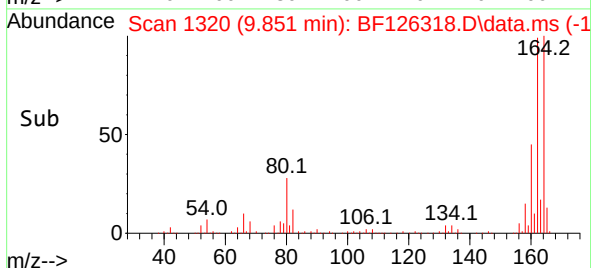
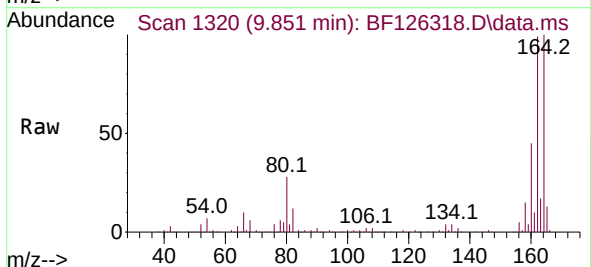


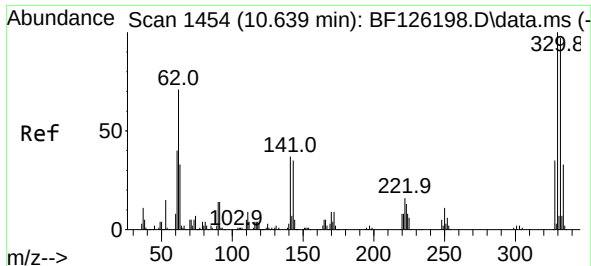
Tgt Ion: 82 Resp: 942135
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

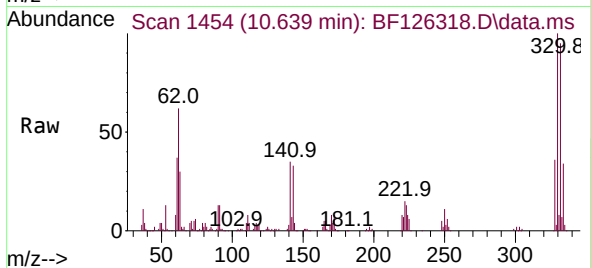
Tgt Ion:164 Resp: 411906
Ion Ratio Lower Upper
164 100
162 99.4 81.3 121.9
160 45.4 38.0 57.0



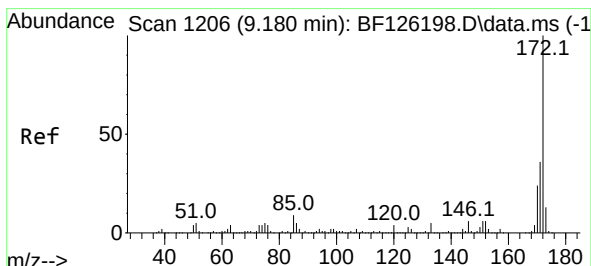
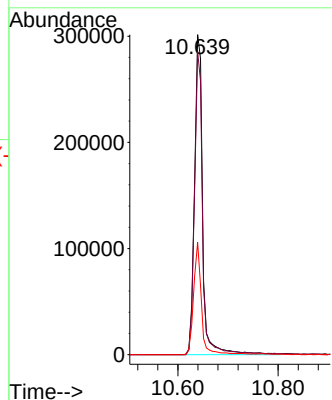
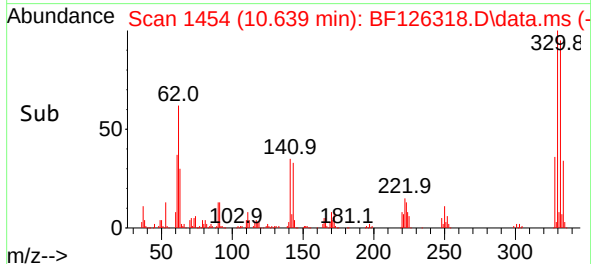


#42
2,4,6-Tribromophenol
Concen: 102.750 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

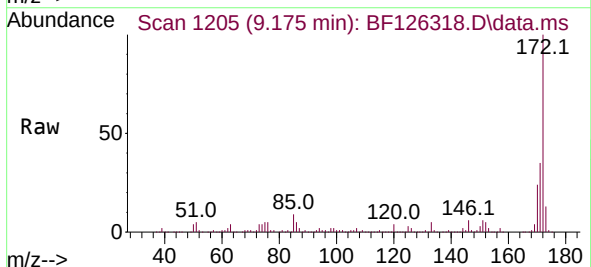
Instrument :
BNA_F
ClientSampleId :



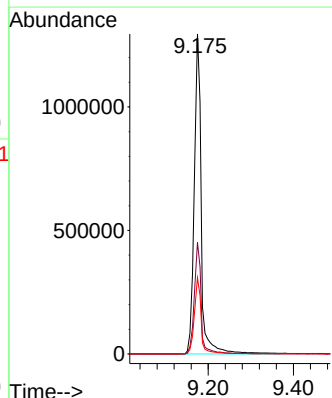
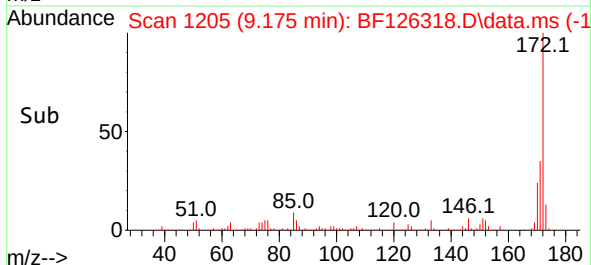
Tgt Ion:330 Resp: 340130
Ion Ratio Lower Upper
330 100
332 93.5 76.2 114.4
141 33.1 44.6 66.8#

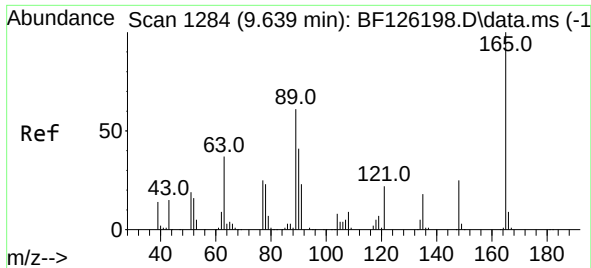


#45
2-Fluorobiphenyl
Concen: 63.122 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29



Tgt Ion:172 Resp: 1482441
Ion Ratio Lower Upper
172 100
171 34.9 26.5 39.7
170 23.8 18.8 28.2

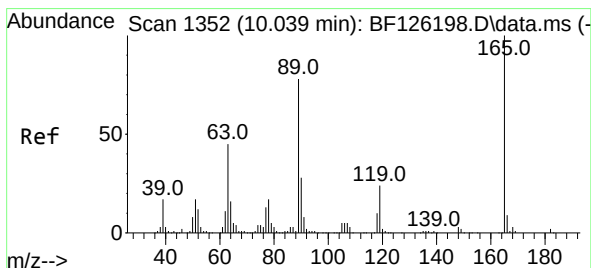
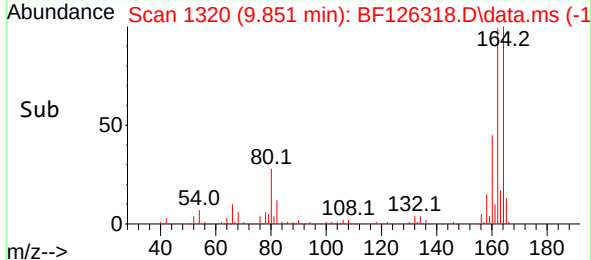
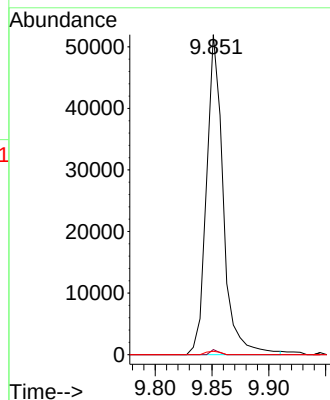
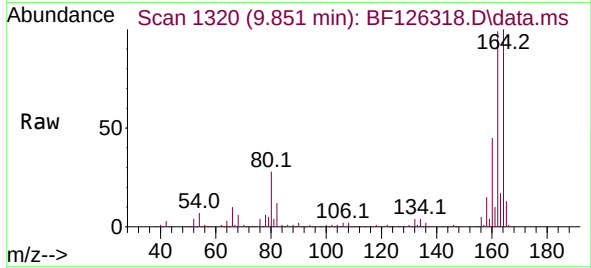




#51
2,6-Dinitrotoluene
Concen: 9.416 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

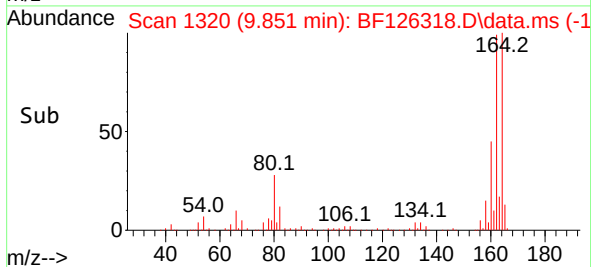
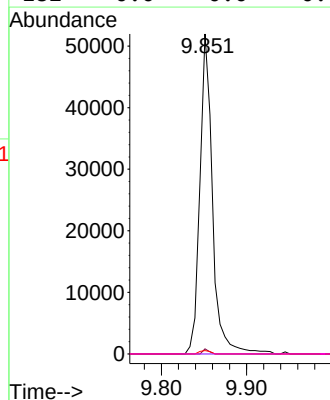
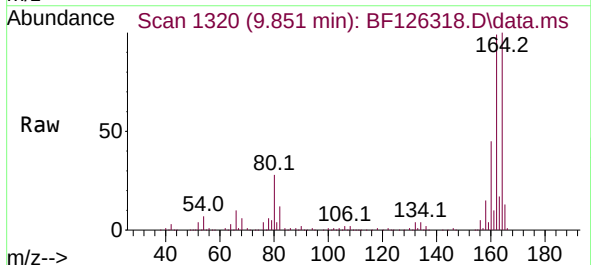
Instrument :
BNA_F
ClientSampleId :

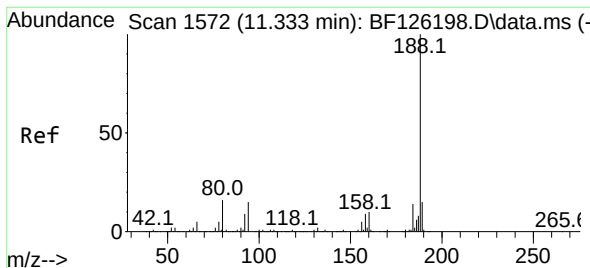
Tgt Ion:165 Resp: 53178
Ion Ratio Lower Upper
165 100
63 1.6 42.6 63.8#
89 1.1 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.444 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

Tgt Ion:165 Resp: 53630
Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 1.1 59.7 89.5#
182 0.0 0.0 0.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF126318.D

Acq: 22 Dec 2021 2:29

Instrument :

BNA_F

ClientSampleId :

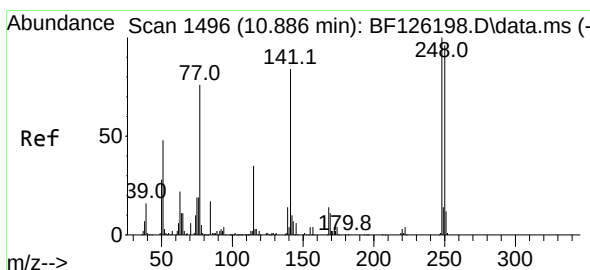
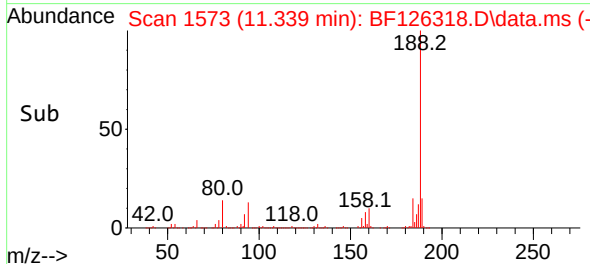
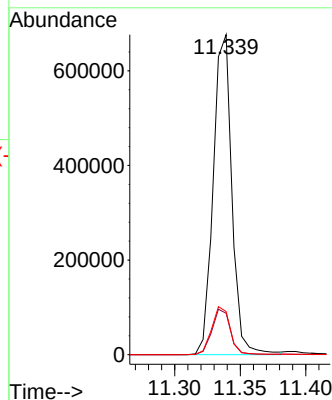
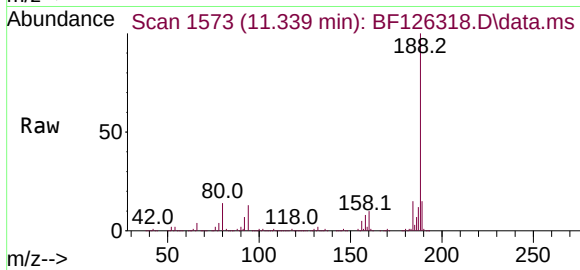
Tgt Ion:188 Resp: 669289

Ion Ratio Lower Upper

188 100

94 12.9 6.7 10.1#

80 13.5 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 2.844 ng

RT: 10.639 min Scan# 1454

Delta R.T. -0.247 min

Lab File: BF126318.D

Acq: 22 Dec 2021 2:29

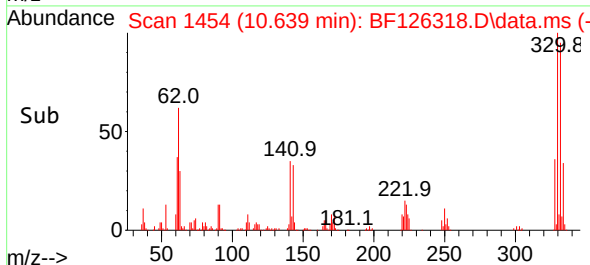
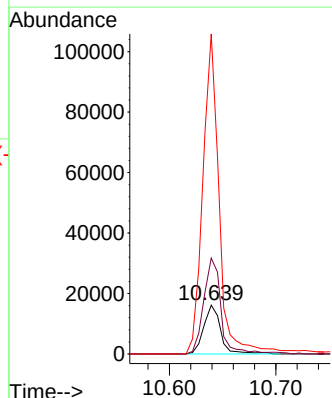
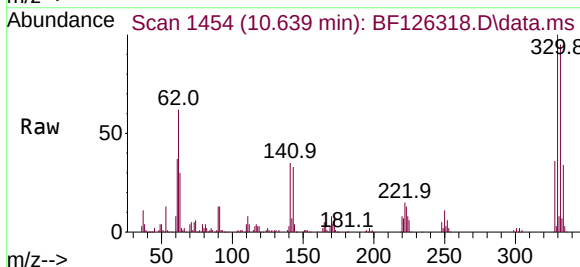
Tgt Ion:248 Resp: 17866

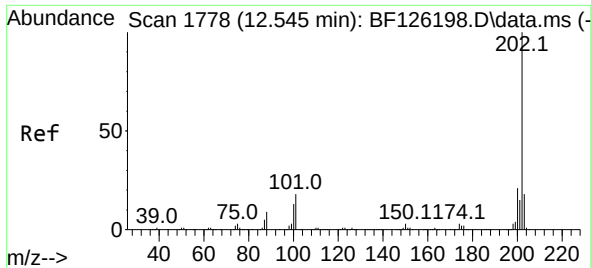
Ion Ratio Lower Upper

248 100

250 196.3 74.2 111.4#

141 655.4 60.4 90.6#

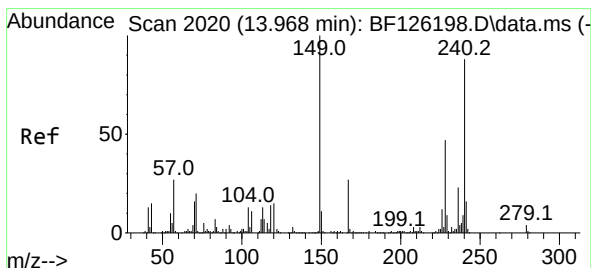
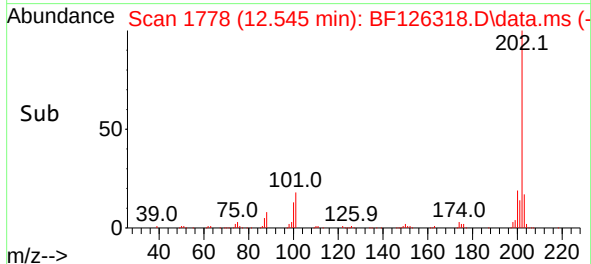
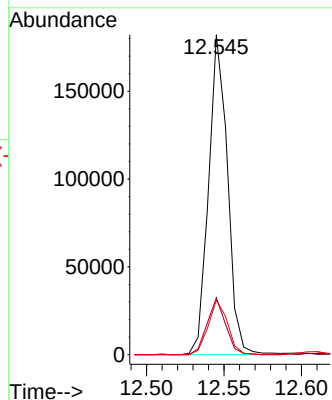
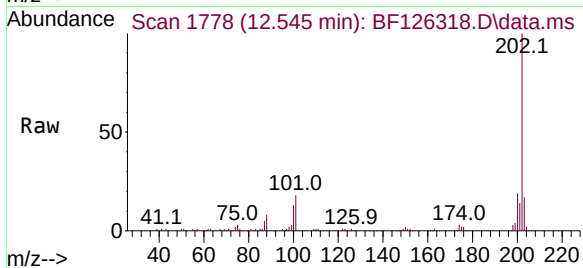




#75
Fluoranthene
Concen: 4.984 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

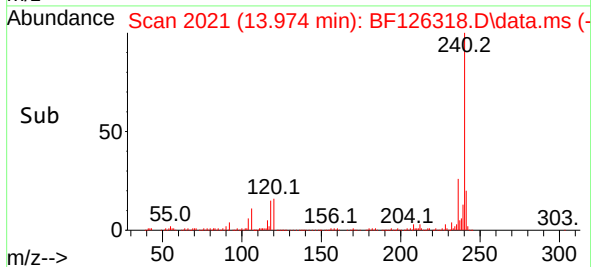
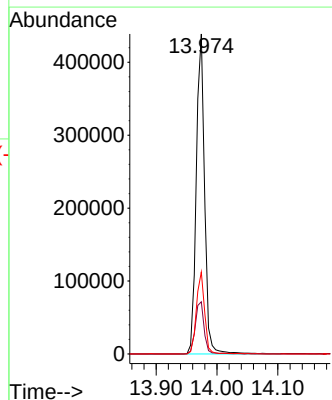
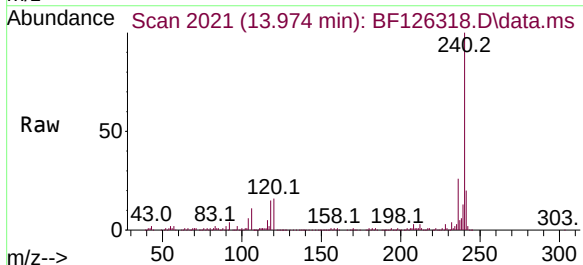
Instrument :
BNA_F
ClientSampleId :

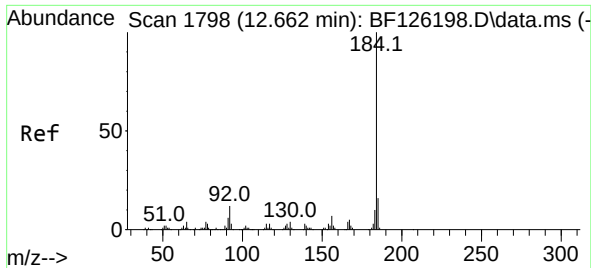
Tgt Ion:202 Resp: 155117
Ion Ratio Lower Upper
202 100
101 17.8 0.0 30.7
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

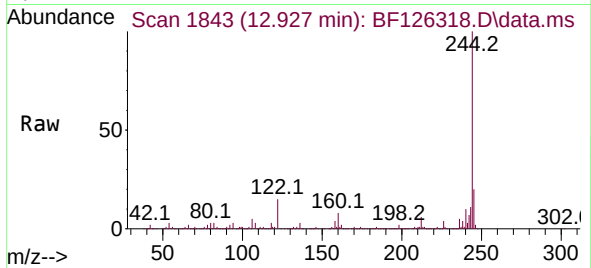
Tgt Ion:240 Resp: 418952
Ion Ratio Lower Upper
240 100
120 16.3 10.8 16.2#
236 25.6 21.6 32.4



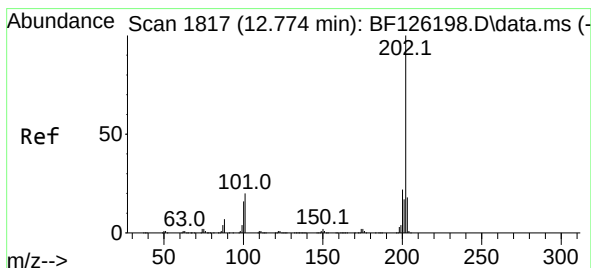
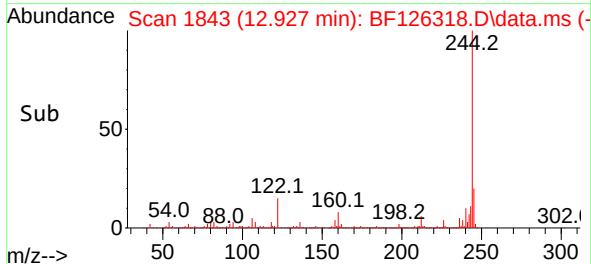
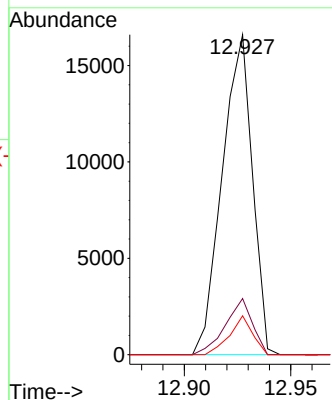


#77
Benzidine
Concen: 2.476 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.265 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

Instrument :
BNA_F
ClientSampleId :

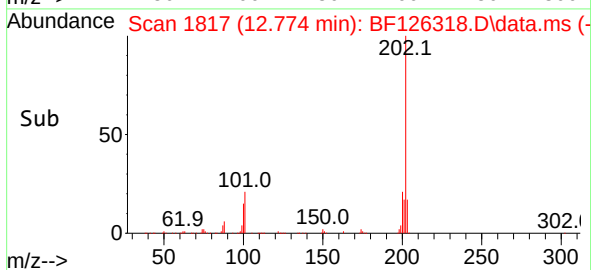
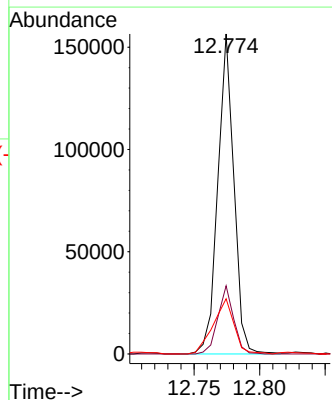
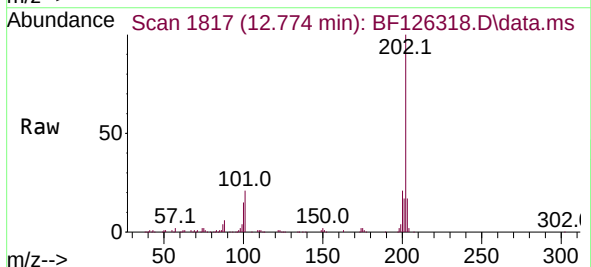


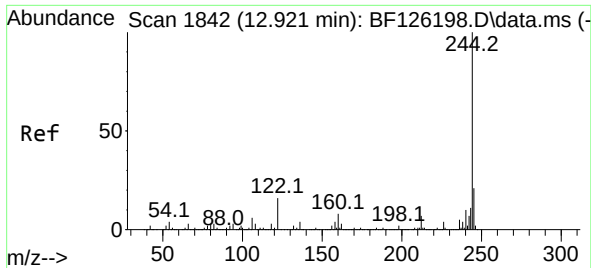
Tgt Ion:184 Resp: 16351
Ion Ratio Lower Upper
184 100
185 17.5 10.8 16.2#
183 12.1 8.1 12.1#



#78
Pyrene
Concen: 3.466 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

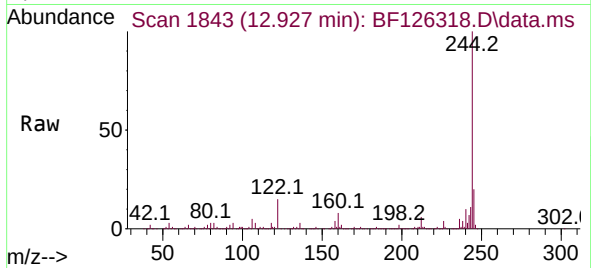
Tgt Ion:202 Resp: 133424
Ion Ratio Lower Upper
202 100
200 21.3 15.3 22.9
203 17.3 13.4 20.0



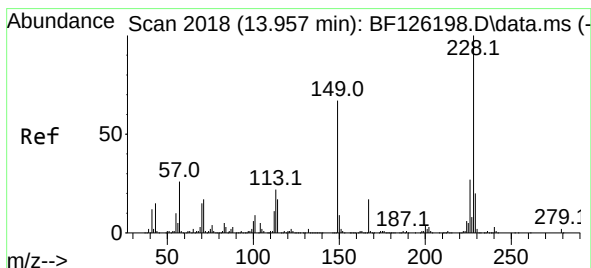
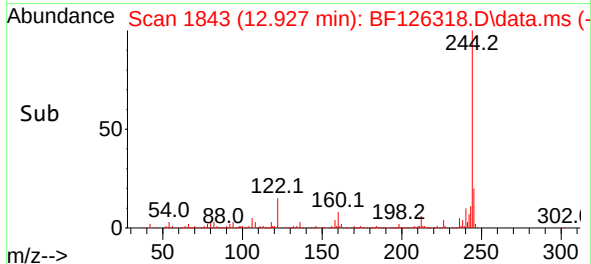
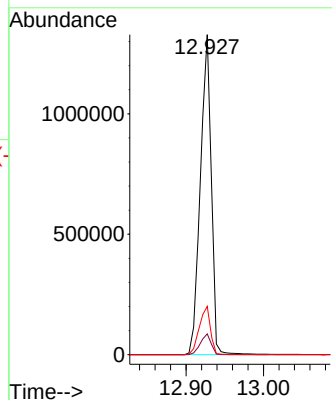


#79
 Terphenyl-d14
 Concen: 54.038 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF126318.D
 Acq: 22 Dec 2021 2:29

Instrument :
 BNA_F
 ClientSampleId :

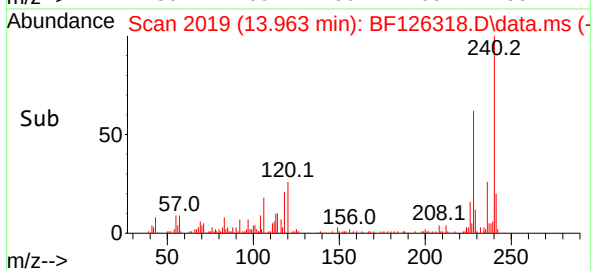
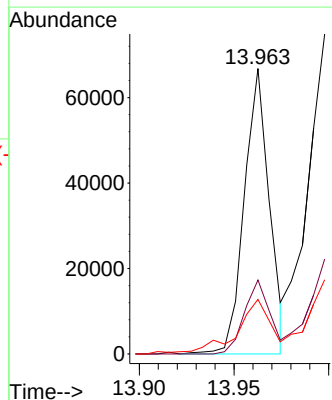
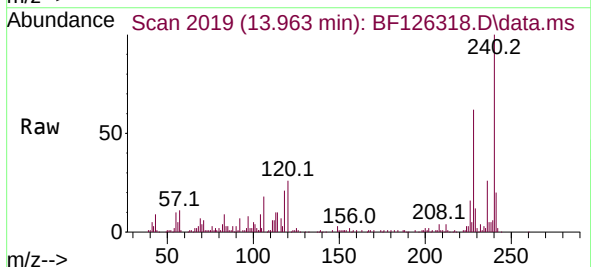


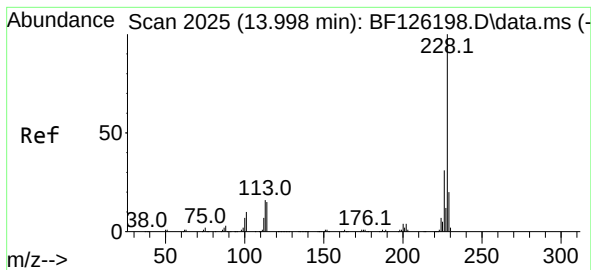
Tgt Ion:244 Resp: 1302516
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.9 8.9
 122 15.1 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 2.479 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF126318.D
 Acq: 22 Dec 2021 2:29

Tgt Ion:228 Resp: 61527
 Ion Ratio Lower Upper
 228 100
 226 25.9 21.6 32.4
 229 19.1 15.6 23.4





#83

Chrysene

Concen: 3.036 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF126318.D

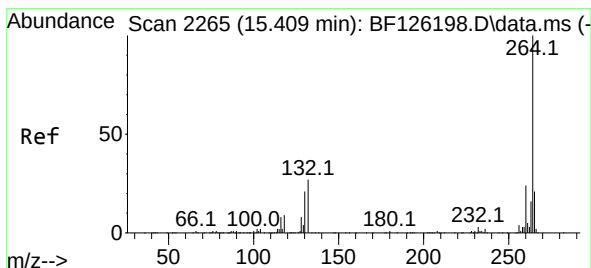
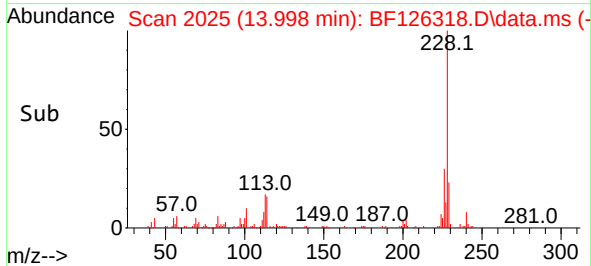
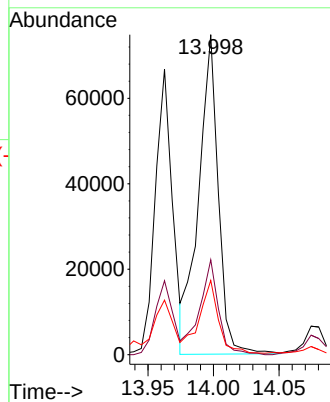
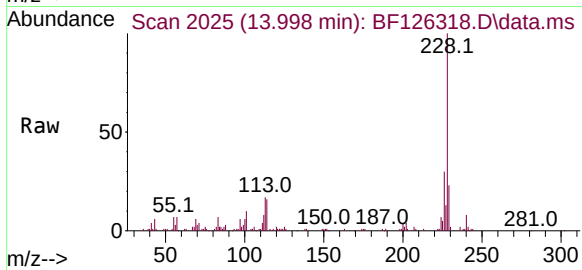
Acq: 22 Dec 2021 2:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp:	78270
Ion Ratio	Lower	Upper
228	100	
226	29.7	22.6 34.0
229	23.2	15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

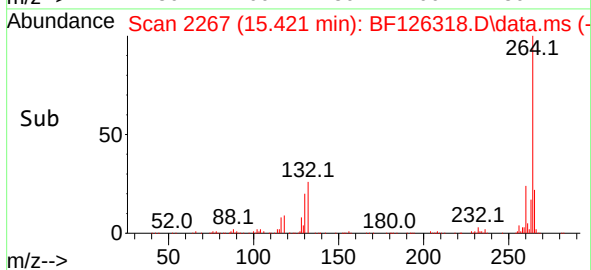
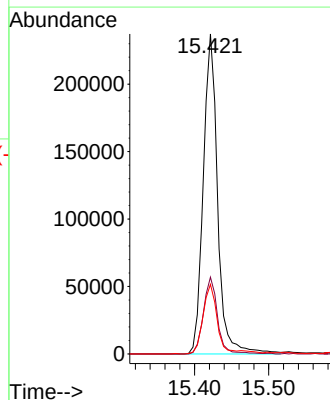
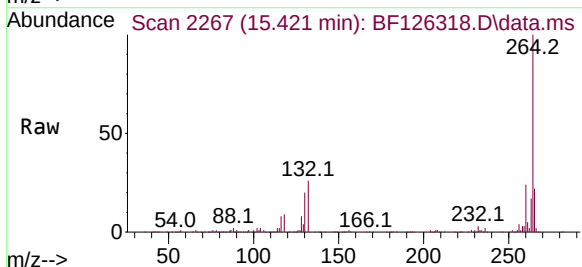
RT: 15.421 min Scan# 2267

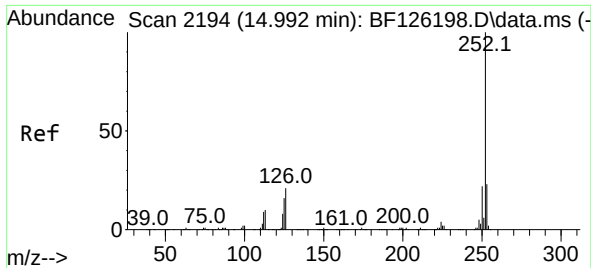
Delta R.T. 0.012 min

Lab File: BF126318.D

Acq: 22 Dec 2021 2:29

Tgt Ion:264	Resp:	319415
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.6 29.4
265	21.7	17.2 25.8

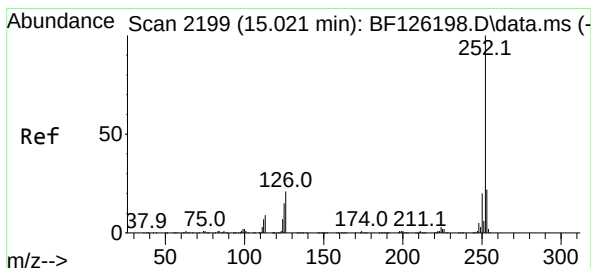
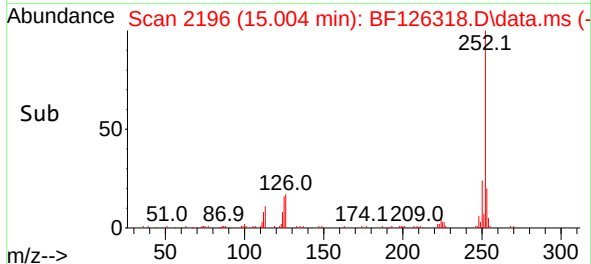
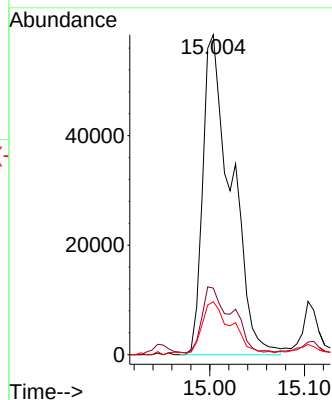
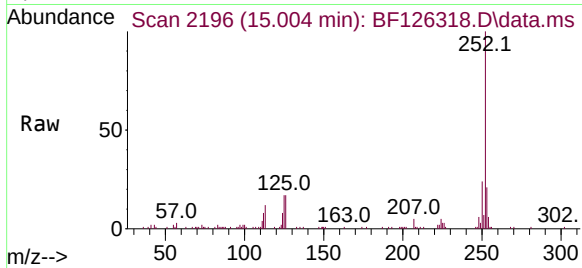




#88
Benzo(b)fluoranthene
Concen: 6.355 ng
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

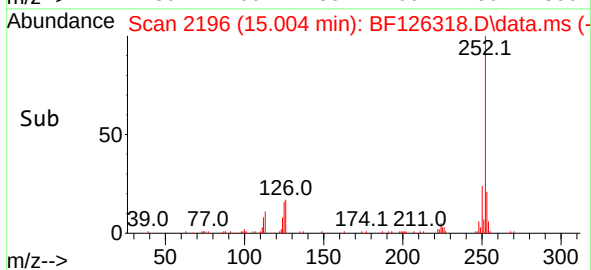
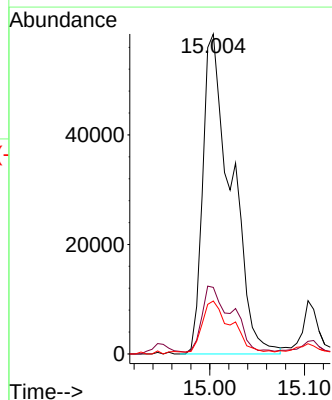
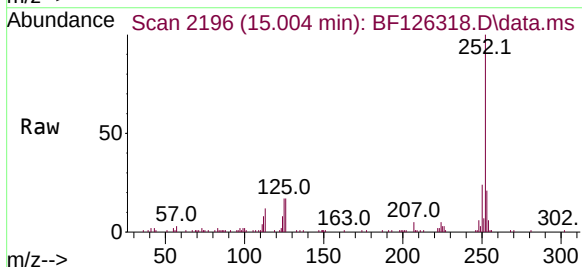
Instrument :
BNA_F
ClientSampleId :

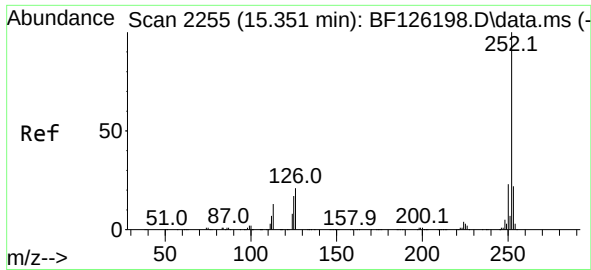
Tgt Ion:252 Resp: 121974
Ion Ratio Lower Upper
252 100
253 20.8 16.8 25.2
125 16.6 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 6.644 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.017 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

Tgt Ion:252 Resp: 121974
Ion Ratio Lower Upper
252 100
253 20.8 17.8 26.8
125 16.6 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 3.444 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.006 min

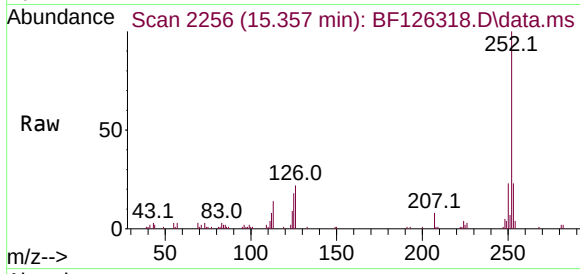
Lab File: BF126318.D

Acq: 22 Dec 2021 2:29

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 54937

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

125 18.3 9.9 14.9#

