

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126234.D
 Acq On : 17 Dec 2021 14:35
 Operator : JU/CG
 Sample : M5030-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 17 14:58:10 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

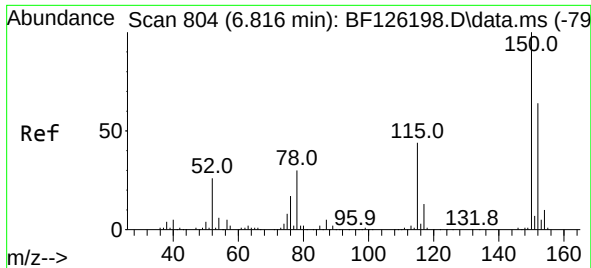
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	237775	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	950731	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	392462	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	501912	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	380903	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	356396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	343964	21.303	ng	0.00
7) Phenol-d6	6.428	99	414385	20.213	ng	-0.02
23) Nitrobenzene-d5	7.369	82	249409	14.208	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	51614	16.365	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	386244	17.261	ng	0.00
79) Terphenyl-d14	12.921	244	240375	10.969	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	30809	2.448	ng	# 53
25) Isophorone	7.369	82	243693	7.351	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	50729	9.428	ng	# 28
57) 2,4-Dinitrotoluene	9.851	165	50729	7.391	ng	# 20
71) Phenanthrene	11.357	178	65311	2.521	ng	99
75) Fluoranthene	12.545	202	98710	4.229	ng	93
78) Pyrene	12.774	202	102092	2.917	ng	99
81) Benzo(a)anthracene	13.998	228	51741	2.293	ng	99
83) Chrysene	13.998	228	51741	2.207	ng	99
88) Benzo(b)fluoranthene	14.998	252	89934	4.200	ng	# 89
89) Benzo(k)fluoranthene	14.998	252	89934	4.390	ng	# 89
90) Benzo(a)pyrene	15.351	252	46571	2.617	ng	# 89

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

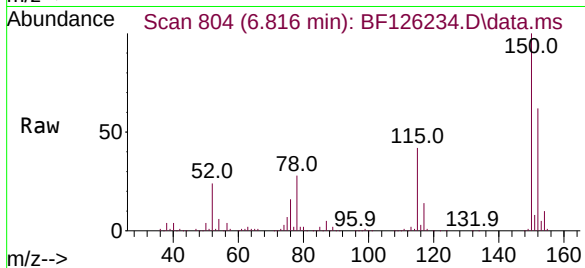
Quant Time: Dec 17 14:58:10 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration



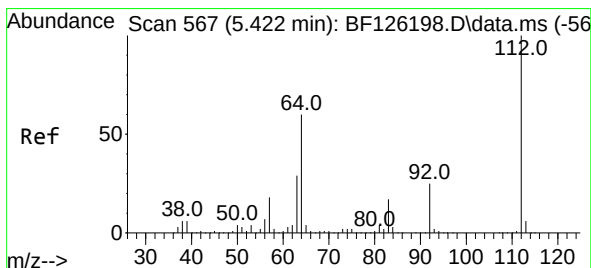
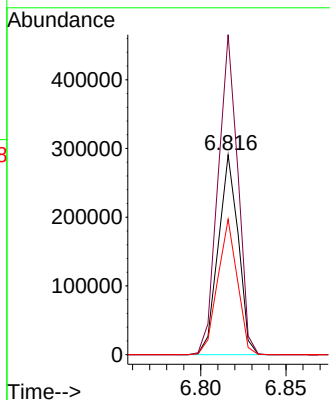
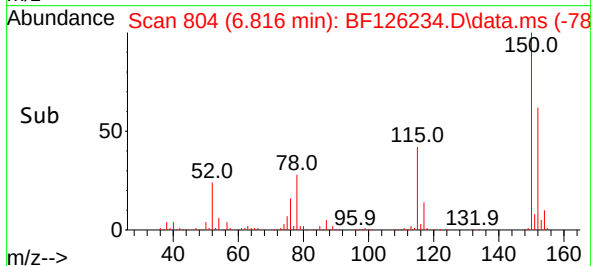


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. 0.000 min
 Lab File: BF126234.D
 Acq: 17 Dec 2021 14:35

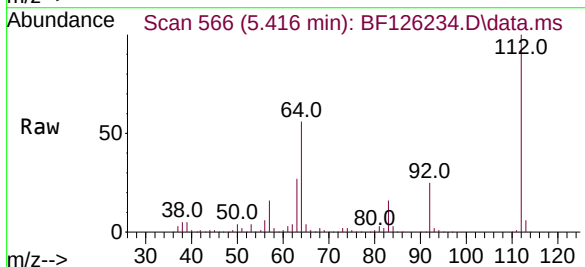
Instrument :
 BNA_M
 ClientSampleId :



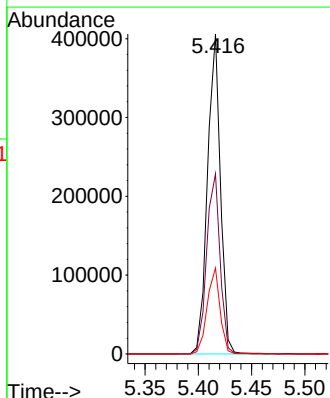
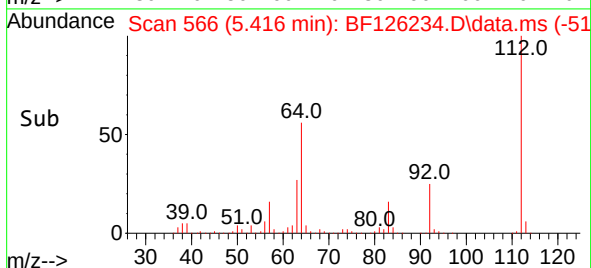
Tgt Ion:152 Resp: 237775
 Ion Ratio Lower Upper
 152 100
 150 160.2 117.6 176.4
 115 67.8 47.1 70.7

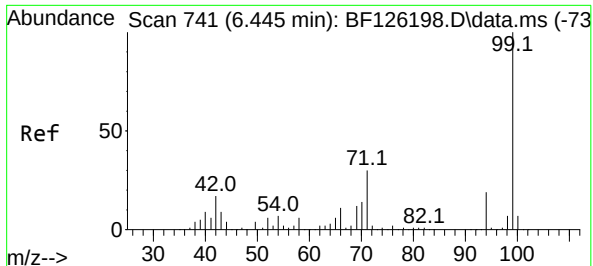


#5
 2-Fluorophenol
 Concen: 21.303 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.006 min
 Lab File: BF126234.D
 Acq: 17 Dec 2021 14:35



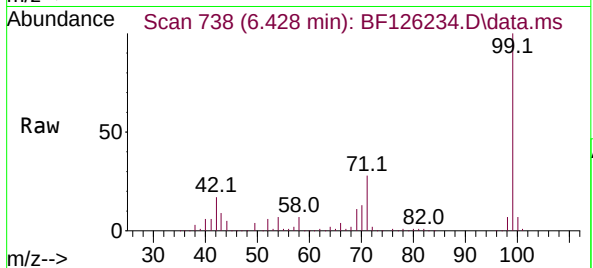
Tgt Ion:112 Resp: 343964
 Ion Ratio Lower Upper
 112 100
 64 56.3 44.2 66.2
 63 26.8 26.2 39.2



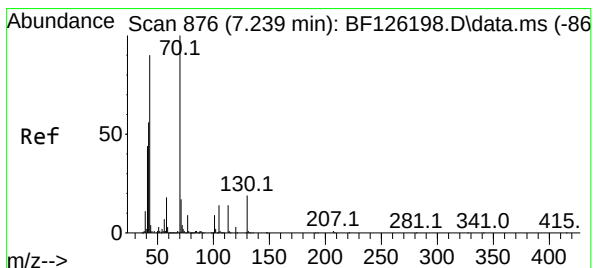
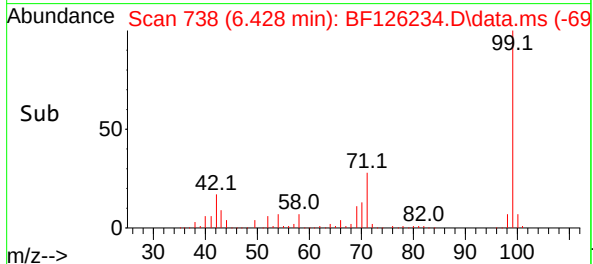
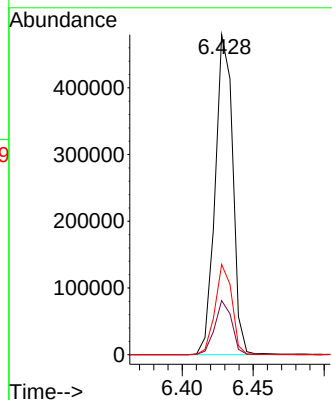


#7
Phenol-d6
Concen: 20.213 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Instrument :
BNA_M
ClientSampleId :

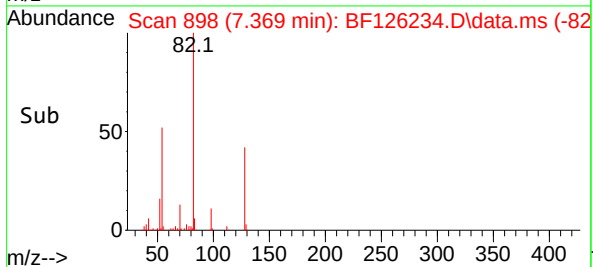
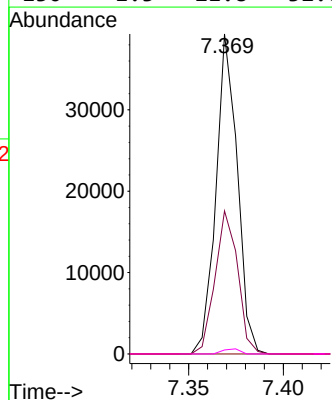
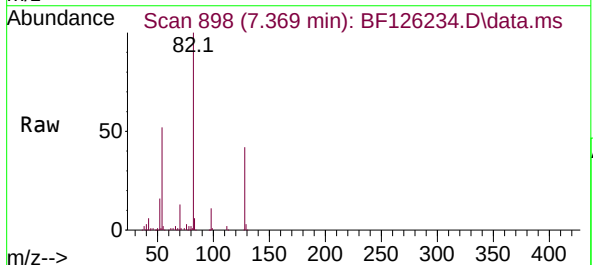


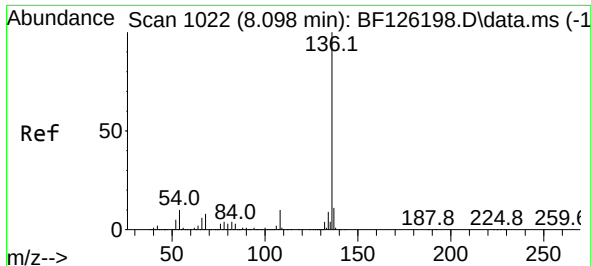
Tgt Ion: 99 Resp: 414385
Ion Ratio Lower Upper
99 100
42 16.9 23.5 35.3#
71 28.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.448 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.130 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion: 70 Resp: 30809
Ion Ratio Lower Upper
70 100
42 44.7 72.2 108.2#
101 0.0 7.8 11.8#
130 1.3 21.8 32.6#



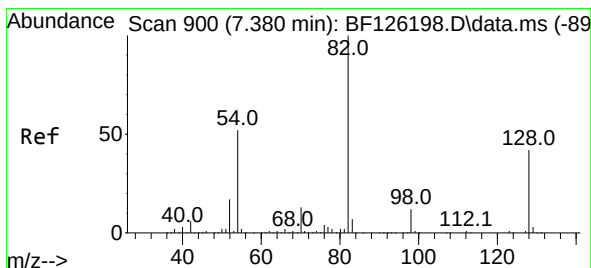
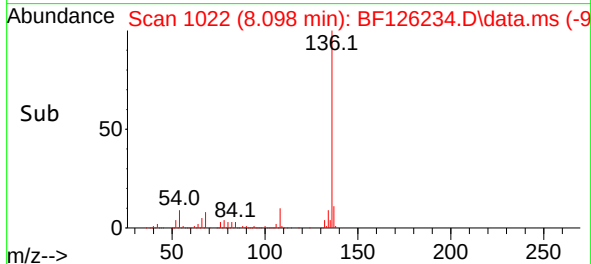
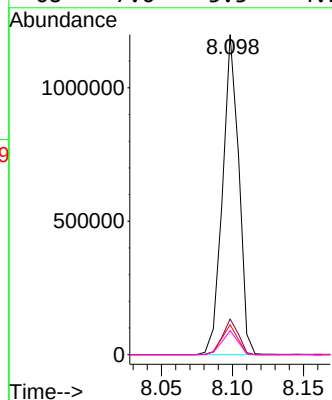
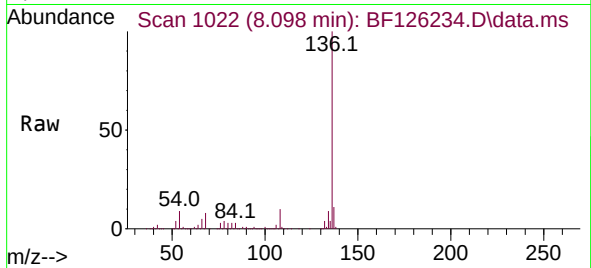


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:136 Resp: 950731

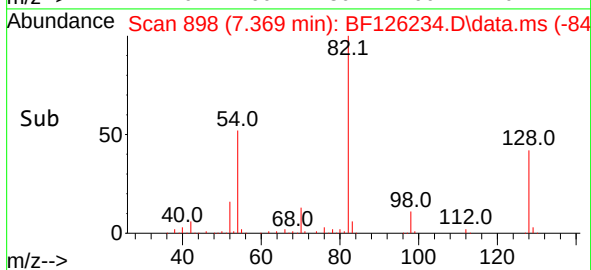
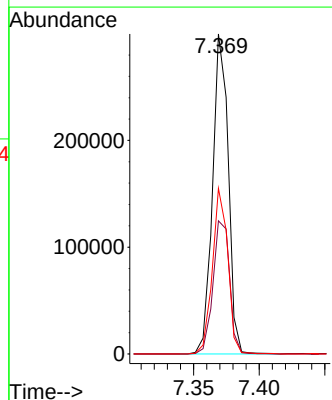
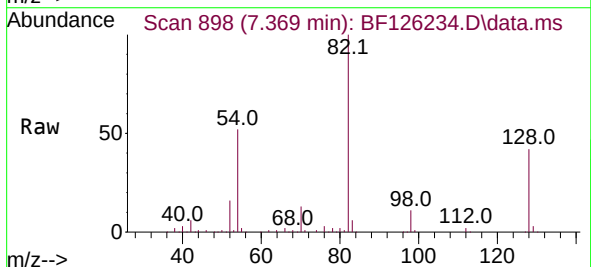
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	9.4	6.4	9.6
68	7.6	3.3	4.9

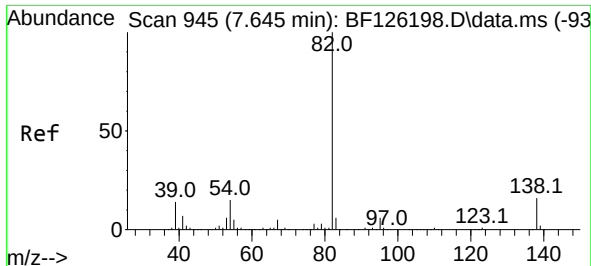


#23
Nitrobenzene-d5
Concen: 14.208 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion: 82 Resp: 249409

Ion	Ratio	Lower	Upper
82	100		
128	41.6	40.6	60.8
54	51.8	49.6	74.4

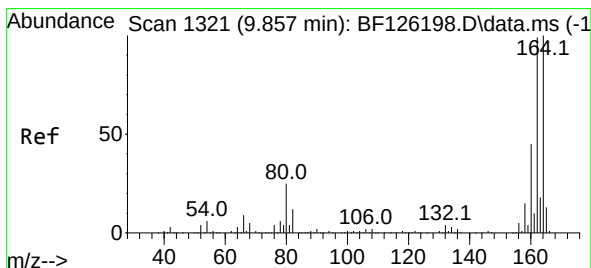
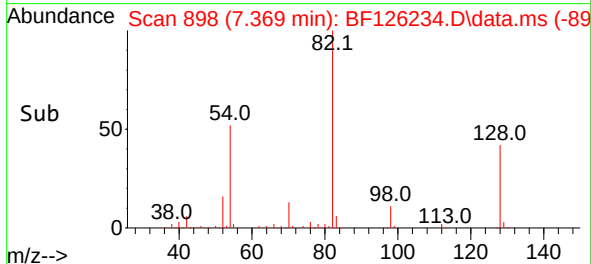
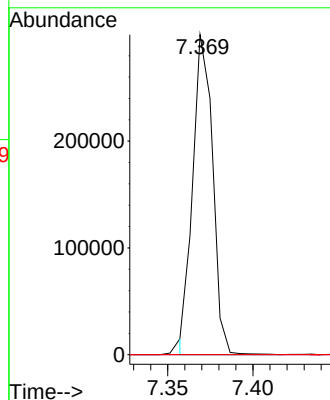
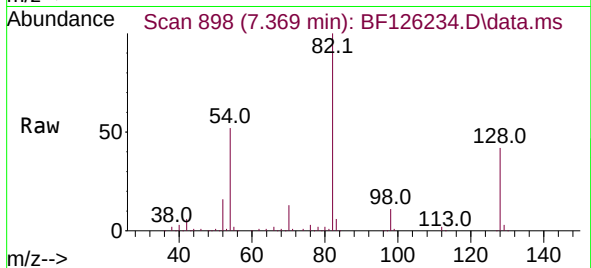




#25
Isophorone
Concen: 7.351 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

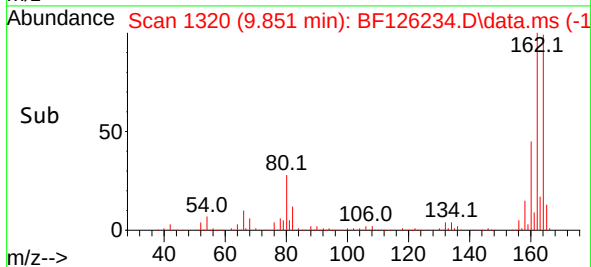
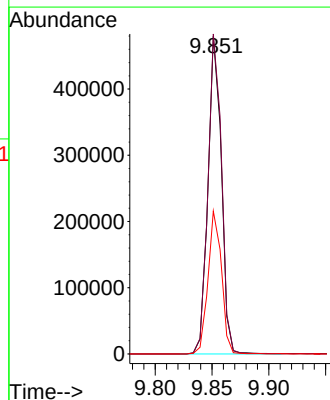
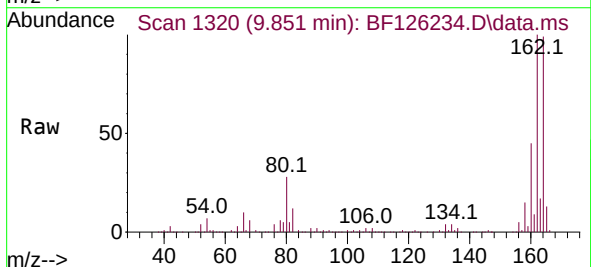
Instrument :
BNA_M
ClientSampleId :

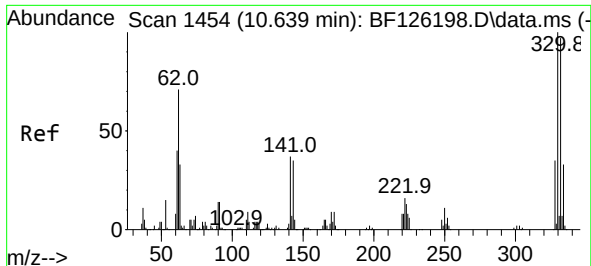
Tgt Ion: 82 Resp: 243693
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion:164 Resp: 392462
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 45.0 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 16.365 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

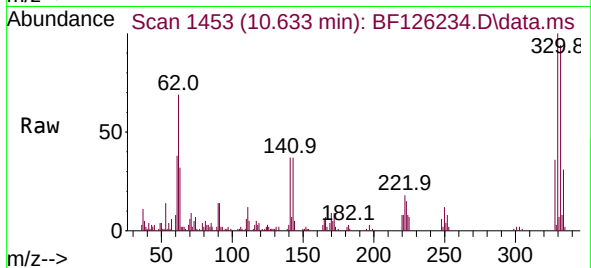
Lab File: BF126234.D

Acq: 17 Dec 2021 14:35

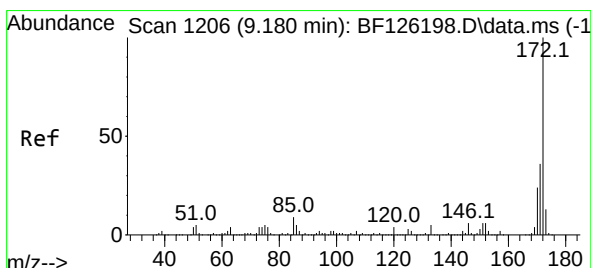
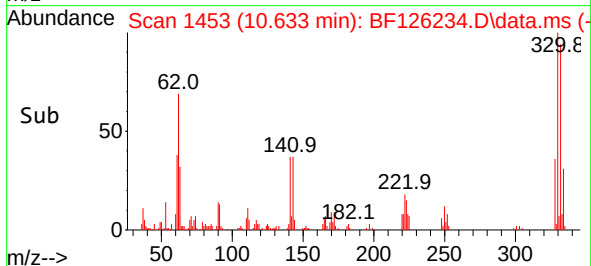
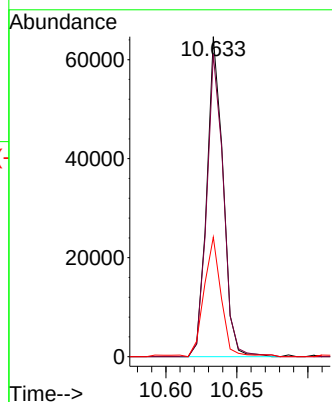
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	330	Resp:	51614
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.2	114.4
141	39.5	44.6	66.8



#45

2-Fluorobiphenyl

Concen: 17.261 ng

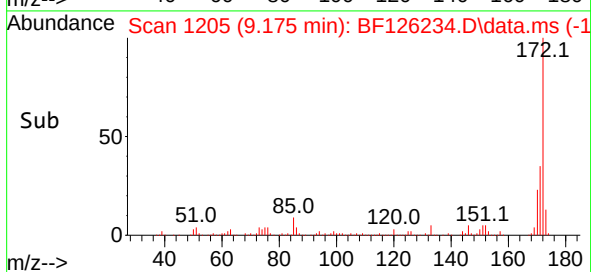
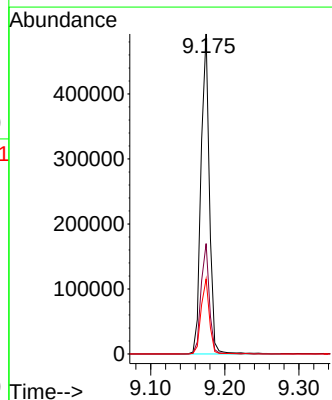
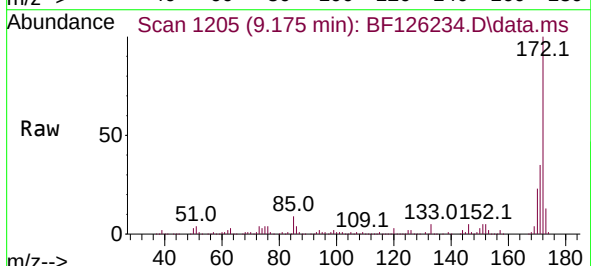
RT: 9.175 min Scan# 1205

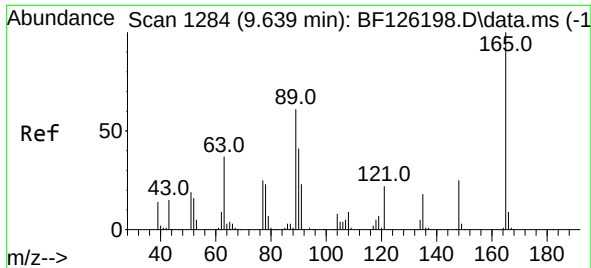
Delta R.T. -0.006 min

Lab File: BF126234.D

Acq: 17 Dec 2021 14:35

Tgt Ion:	172	Resp:	386244
Ion Ratio	Lower	Upper	
172	100		
171	34.5	26.5	39.7
170	23.5	18.8	28.2

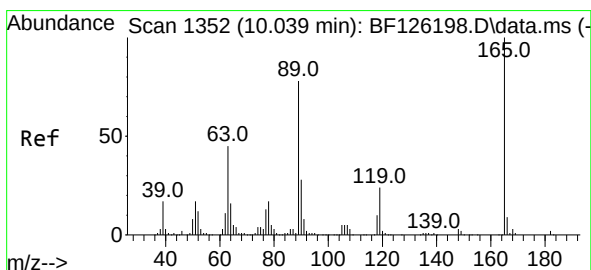
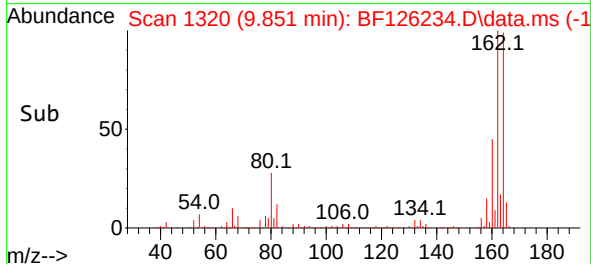
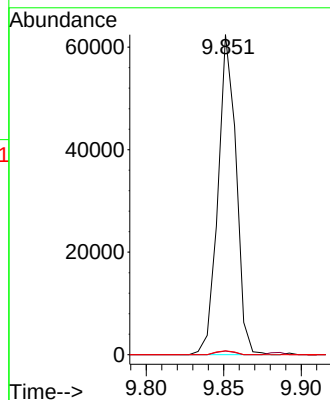
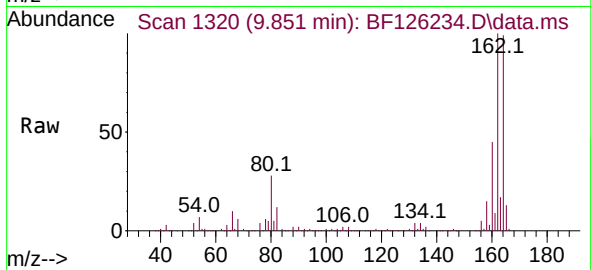




#51
2,6-Dinitrotoluene
Concen: 9.428 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

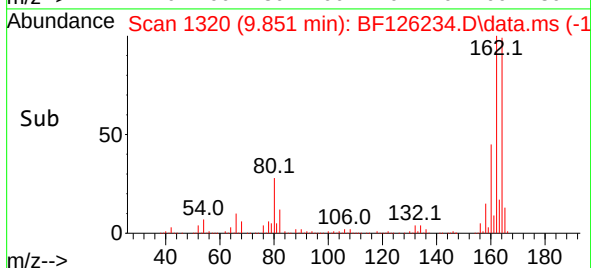
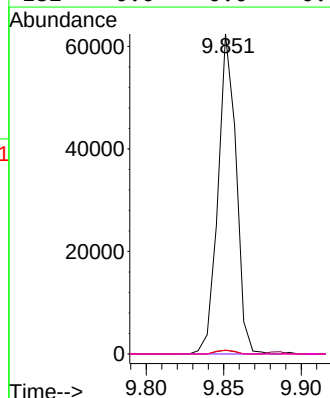
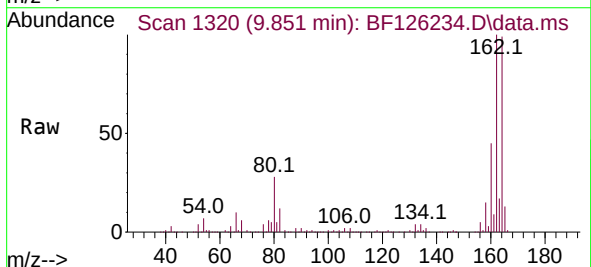
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BNA_M
ClientSampleId :

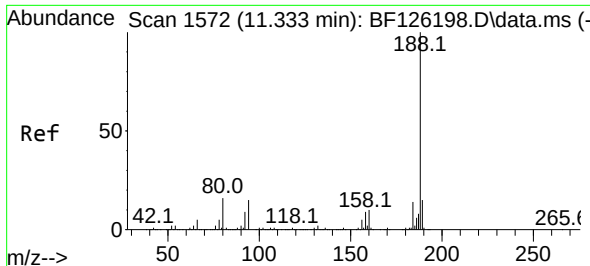
Tgt Ion:165 Resp: 50729
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 1.2 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.391 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion:165 Resp: 50729
Ion Ratio Lower Upper
165 100
63 1.1 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0

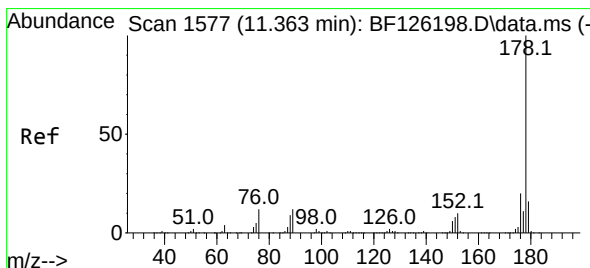
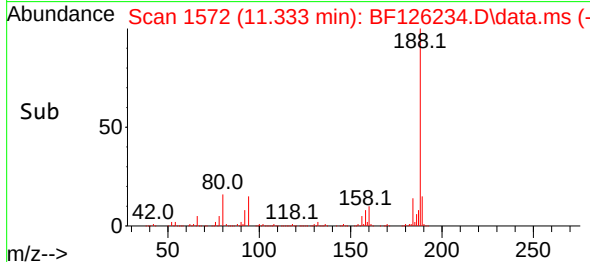
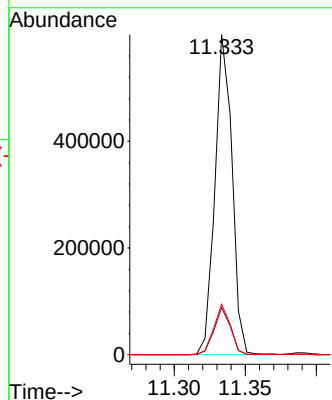
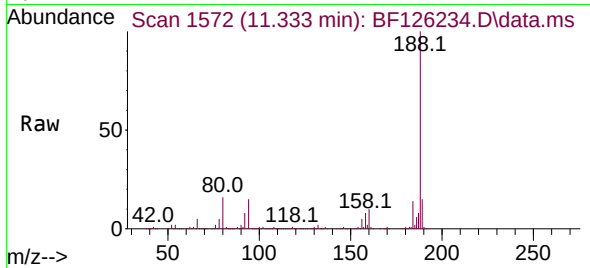




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

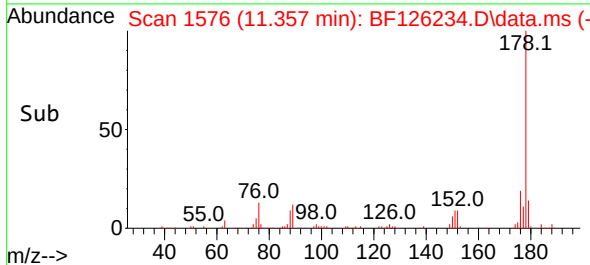
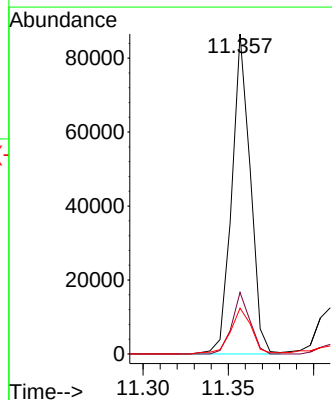
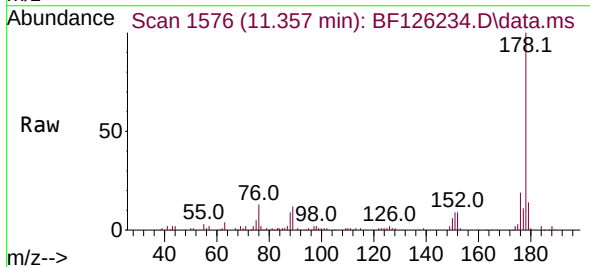
Instrument :
BNA_M
ClientSampleId :

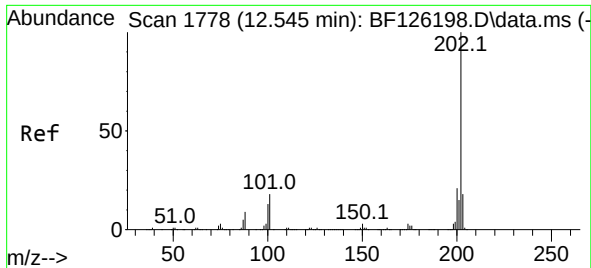
Tgt Ion:188 Resp: 501912
Ion Ratio Lower Upper
188 100
94 14.7 6.7 10.1#
80 15.8 7.5 11.3#



#71
Phenanthrene
Concen: 2.521 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion:178 Resp: 65311
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 14.3 11.5 17.3

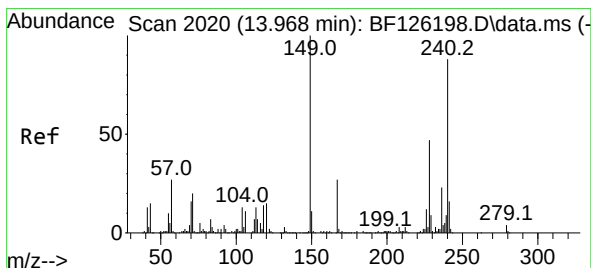
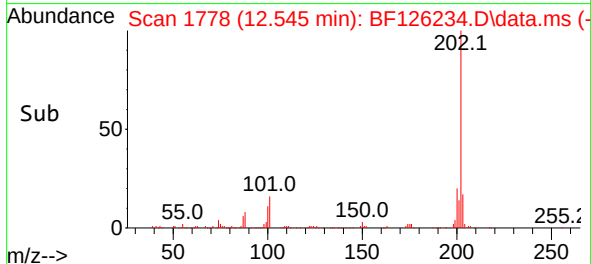
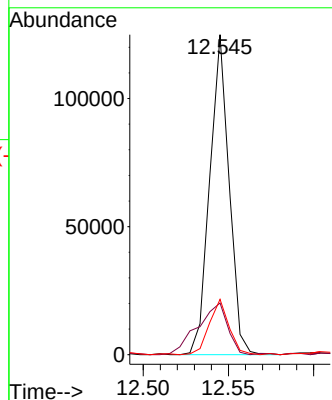
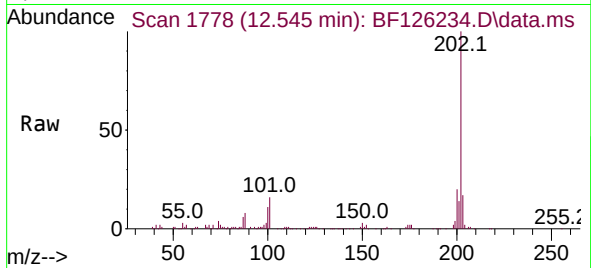




#75
Fluoranthene
Concen: 4.229 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

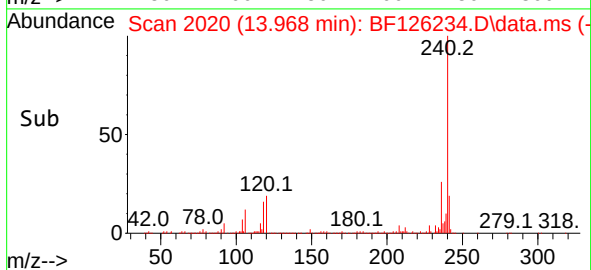
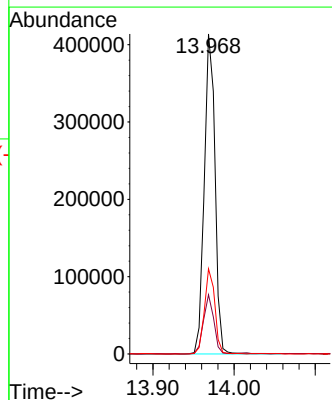
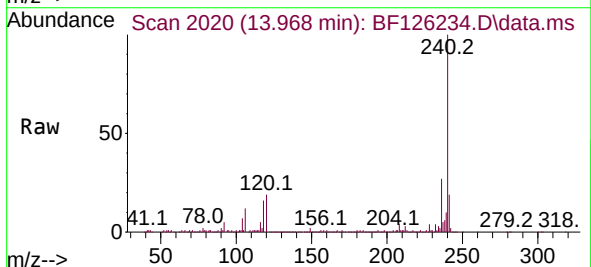
Instrument :
BNA_M
ClientSampleId :

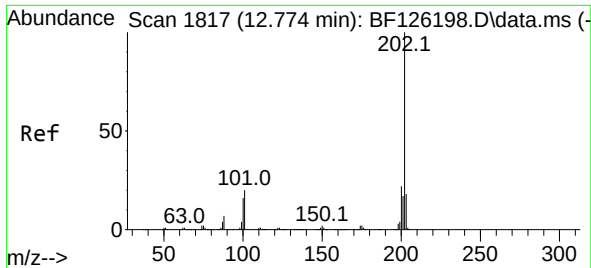
Tgt Ion:202 Resp: 98710
Ion Ratio Lower Upper
202 100
101 16.1 0.0 30.7
203 17.3 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion:240 Resp: 380903
Ion Ratio Lower Upper
240 100
120 18.5 10.8 16.2#
236 26.6 21.6 32.4

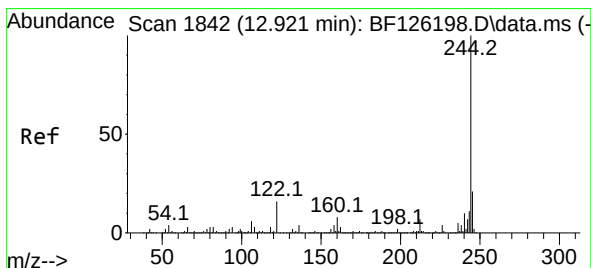
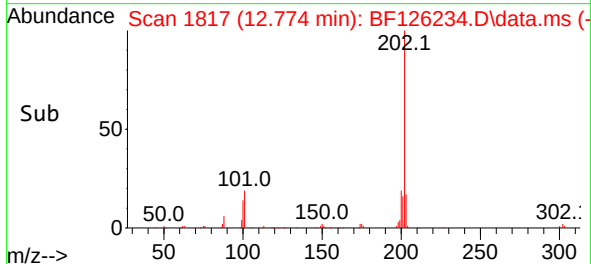
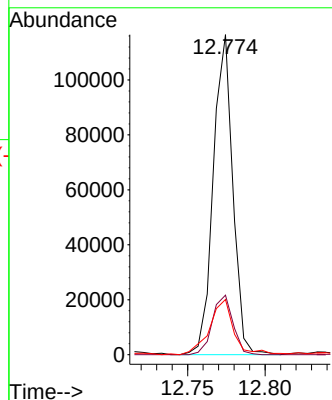
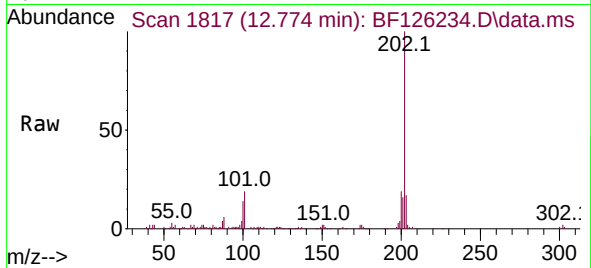




#78
 Pyrene
 Concen: 2.917 ng
 RT: 12.774 min Scan# 1817
 Delta R.T. 0.000 min
 Lab File: BF126234.D
 Acq: 17 Dec 2021 14:35

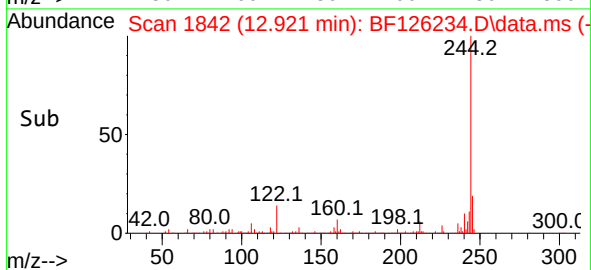
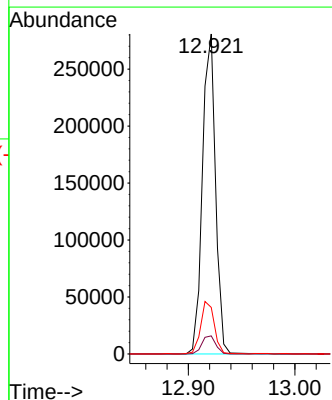
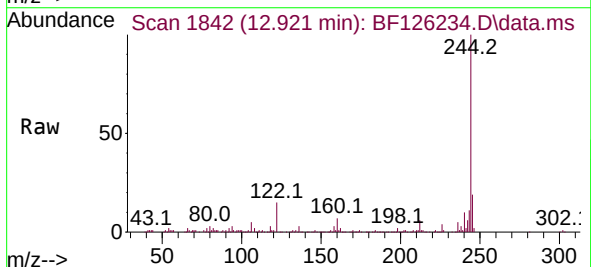
Instrument :
 BNA_M
 ClientSampleId :

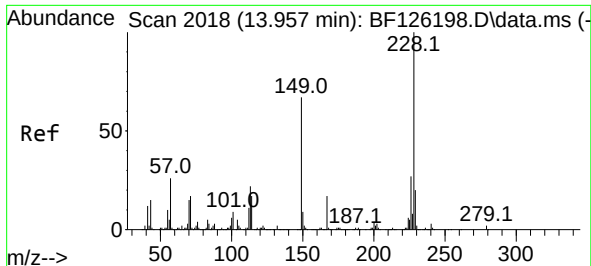
Tgt Ion:202 Resp: 102092
 Ion Ratio Lower Upper
 202 100
 200 18.6 15.3 22.9
 203 17.2 13.4 20.0



#79
 Terphenyl-d14
 Concen: 10.969 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF126234.D
 Acq: 17 Dec 2021 14:35

Tgt Ion:244 Resp: 240375
 Ion Ratio Lower Upper
 244 100
 212 5.6 5.9 8.9#
 122 14.6 9.0 13.4#

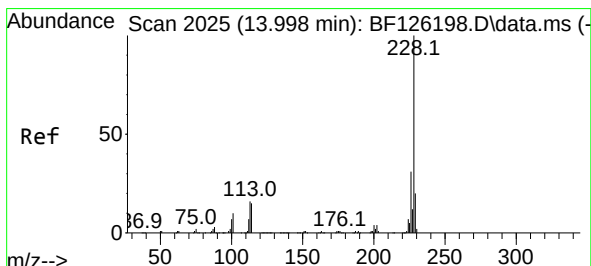
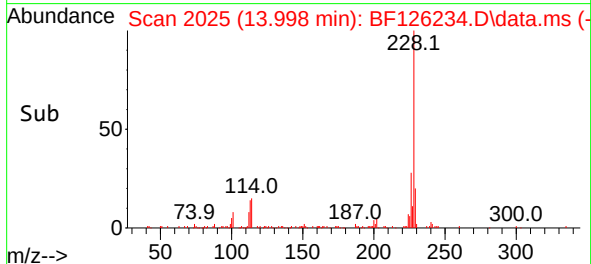
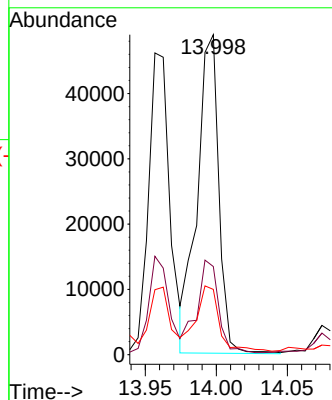
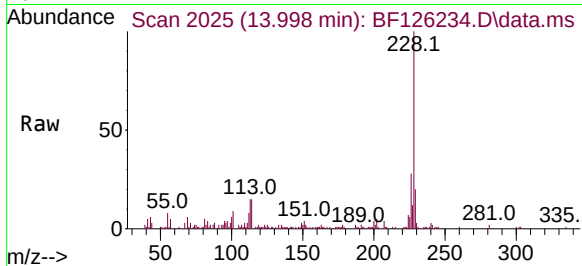




#81
Benzo(a)anthracene
Concen: 2.293 ng
RT: 13.998 min Scan# 2018
Delta R.T. 0.041 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

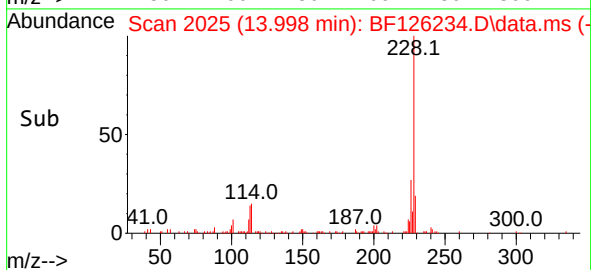
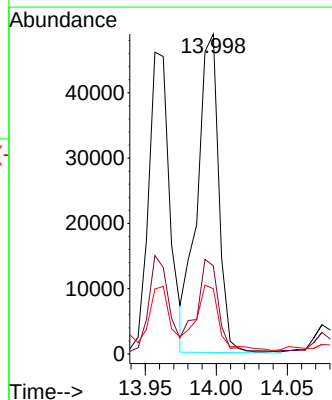
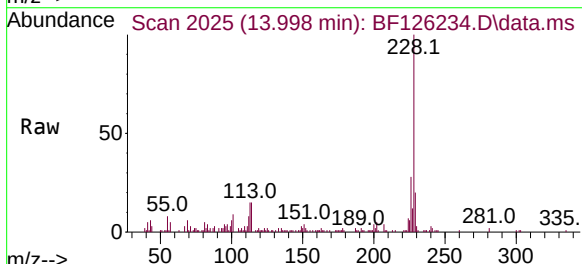
Instrument :
BNA_M
ClientSampleId :

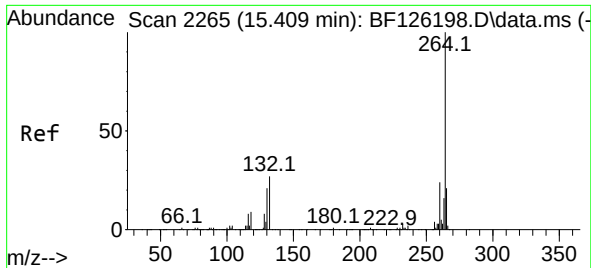
Tgt Ion:228 Resp: 51741
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 20.4 15.6 23.4



#83
Chrysene
Concen: 2.207 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

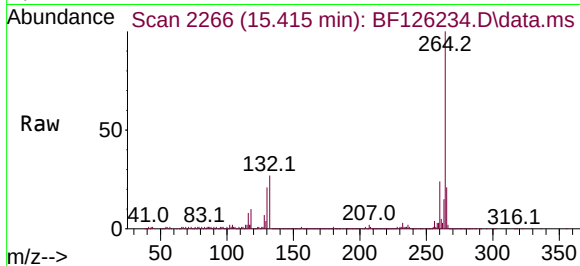
Tgt Ion:228 Resp: 51741
Ion Ratio Lower Upper
228 100
226 27.5 22.6 34.0
229 20.4 15.9 23.9



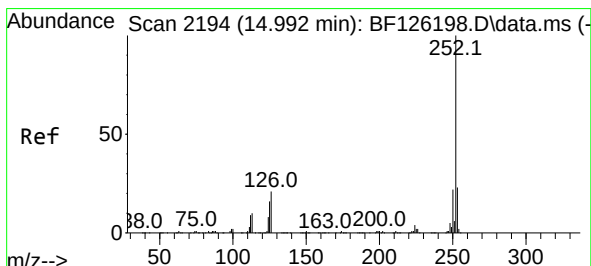
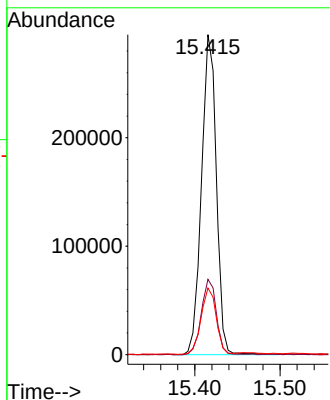
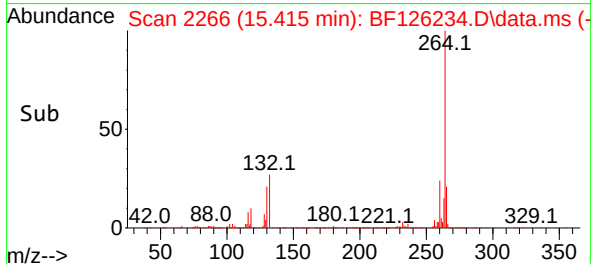


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2195
 Delta R.T. 0.006 min
 Lab File: BF126234.D
 Acq: 17 Dec 2021 14:35

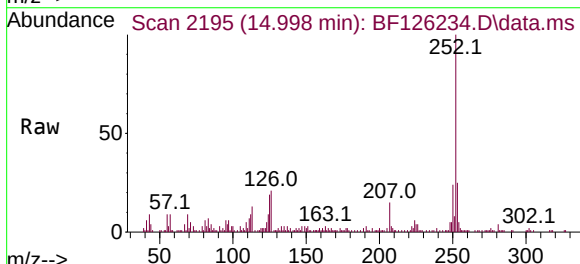
Instrument :
 BNA_M
 ClientSampleId :



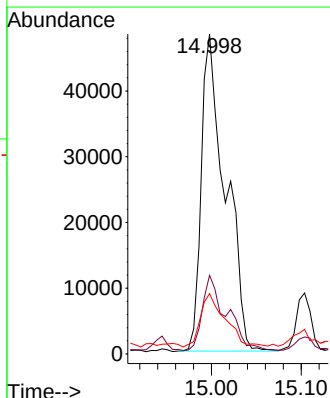
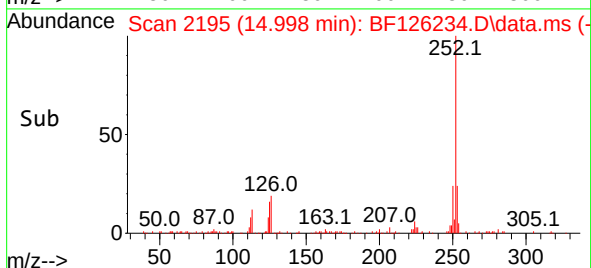
Tgt Ion:264 Resp: 356396
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.6 29.4
 265 20.9 17.2 25.8

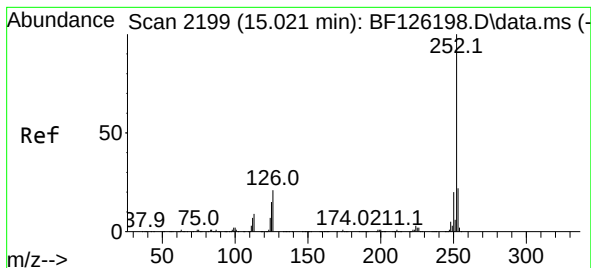


#88
 Benzo(b)fluoranthene
 Concen: 4.200 ng
 RT: 14.998 min Scan# 2195
 Delta R.T. 0.006 min
 Lab File: BF126234.D
 Acq: 17 Dec 2021 14:35



Tgt Ion:252 Resp: 89934
 Ion Ratio Lower Upper
 252 100
 253 24.6 16.8 25.2
 125 18.8 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 4.390 ng

RT: 14.998 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF126234.D

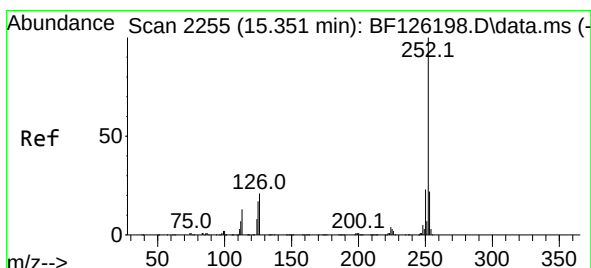
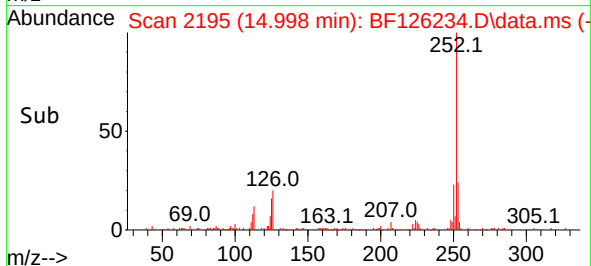
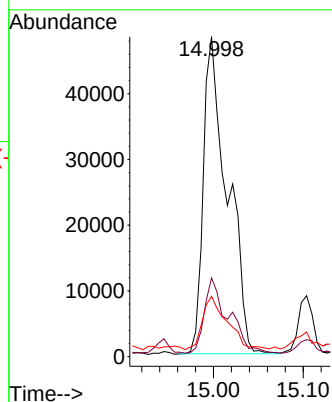
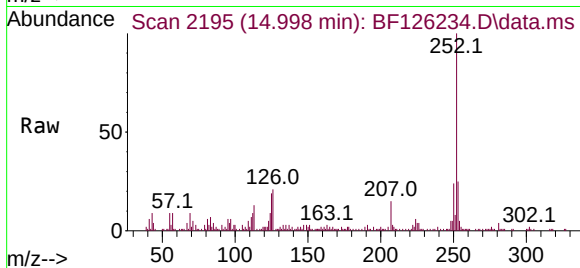
Acq: 17 Dec 2021 14:35

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:252	Resp:	89934
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.8 26.8
125	18.8	7.2 10.8#



#90

Benzo(a)pyrene

Concen: 2.617 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.000 min

Lab File: BF126234.D

Acq: 17 Dec 2021 14:35

Tgt Ion:252	Resp:	46571
Ion Ratio	Lower	Upper
252	100	
253	20.0	18.4 27.6
125	20.7	9.9 14.9#

