

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126360.D
 Acq On : 27 Dec 2021 17:32
 Operator : JU/CG
 Sample : M5218-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-C2

Quant Time: Dec 27 17:58:36 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

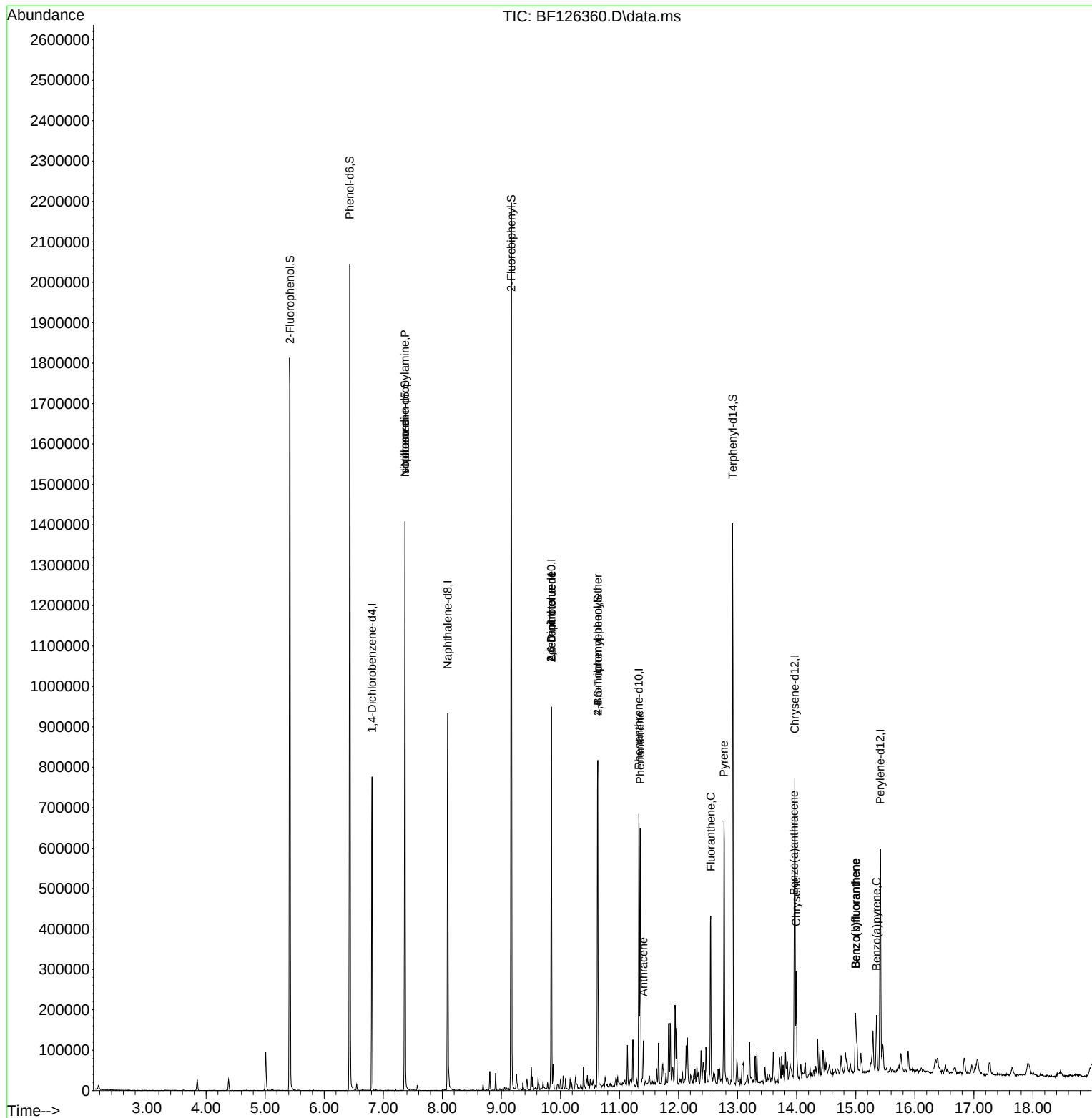
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	106811	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	425021	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	180059	20.000	ng	-0.01
64) Phenanthrene-d10	11.327	188	245979	20.000	ng	#-0.01
76) Chrysene-d12	13.968	240	201279	20.000	ng	-0.01
86) Perylene-d12	15.415	264	227150	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	569402	78.506	ng	0.00
7) Phenol-d6	6.434	99	725487	78.776	ng	-0.01
23) Nitrobenzene-d5	7.369	82	433595	55.252	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	99418	68.705	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	639089	62.251	ng	-0.01
79) Terphenyl-d14	12.916	244	433825	37.462	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.369	70	54234	9.593	ng	# 54
25) Isophorone	7.369	82	433591	29.258	ng	# 59
51) 2,6-Dinitrotoluene	9.845	165	23771	9.629	ng	# 26
57) 2,4-Dinitrotoluene	9.845	165	23771	7.548	ng	# 18
67) 4-Bromophenyl-phenylether	10.633	248	5333	2.310	ng	# 1
71) Phenanthrene	11.351	178	238567	18.791	ng	98
72) Anthracene	11.404	178	37055	2.908	ng	99
75) Fluoranthene	12.545	202	159752	13.966	ng	94
78) Pyrene	12.769	202	265984	14.384	ng	97
81) Benzo(a)anthracene	13.957	228	95944	8.047	ng	99
83) Chrysene	13.992	228	89996	7.265	ng	97
88) Benzo(b)fluoranthene	14.998	252	97067	7.112	ng	# 95
89) Benzo(k)fluoranthene	14.998	252	97067	7.434	ng	# 94
90) Benzo(a)pyrene	15.351	252	62496	5.509	ng	# 94

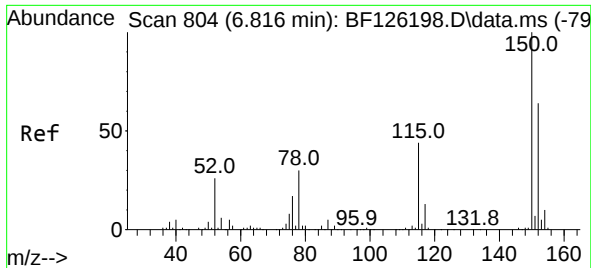
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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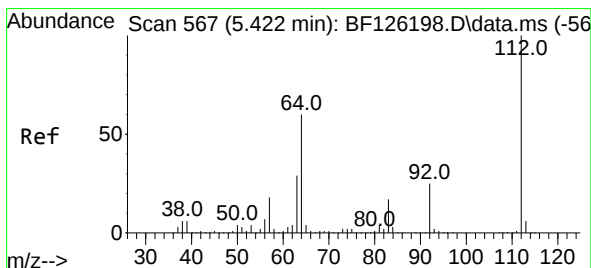
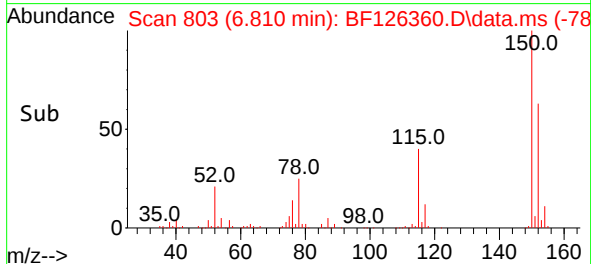
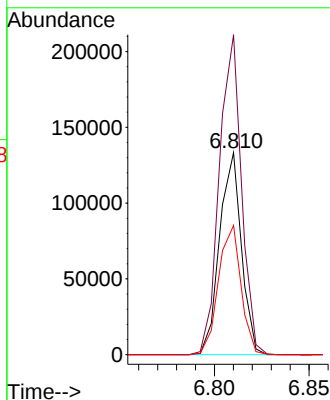
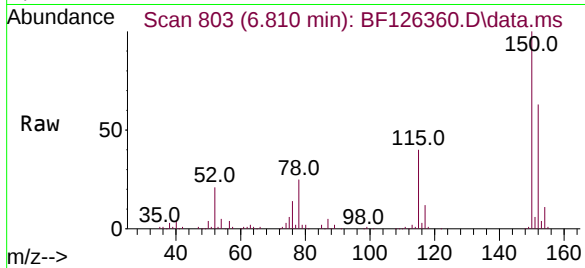




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

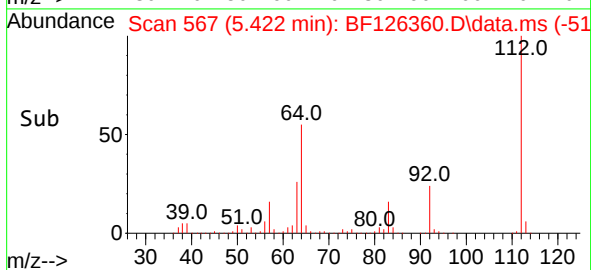
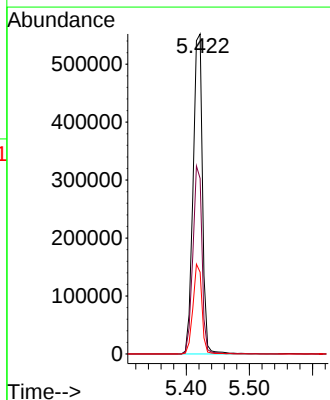
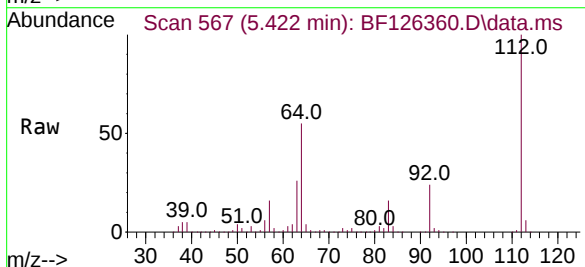
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BNA_F
ClientSampleId :
SB-21-C2

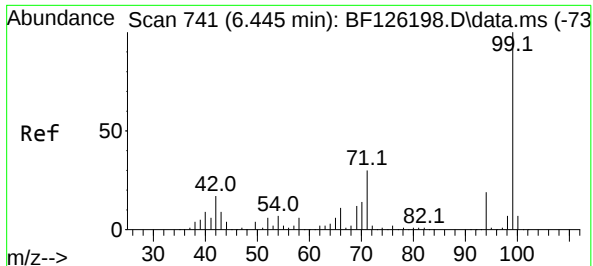
Tgt Ion:152 Resp: 106811
Ion Ratio Lower Upper
152 100
150 158.3 117.6 176.4
115 64.0 47.1 70.7



#5
2-Fluorophenol
Concen: 78.506 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:112 Resp: 569402
Ion Ratio Lower Upper
112 100
64 54.9 44.2 66.2
63 25.5 26.2 39.2#

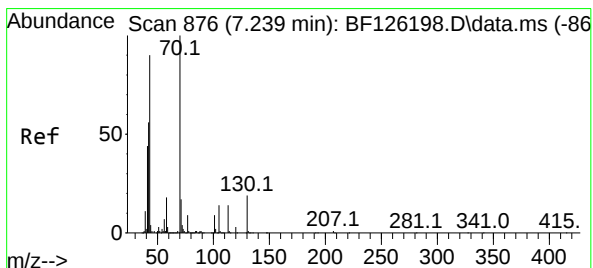
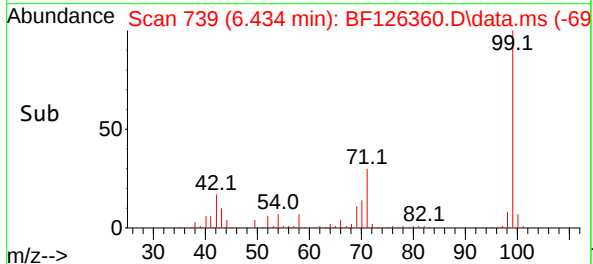
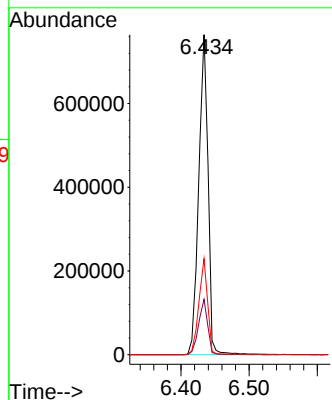
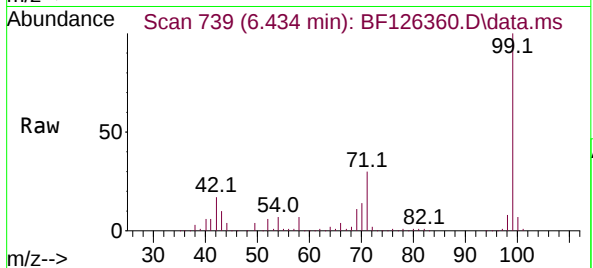




#7
Phenol-d6
Concen: 78.776 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

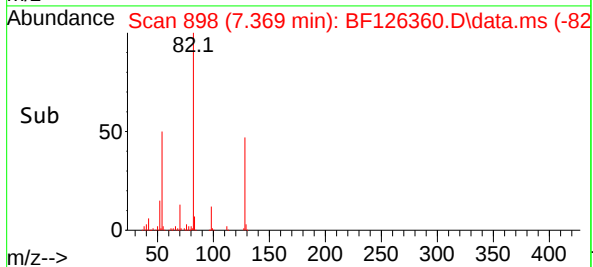
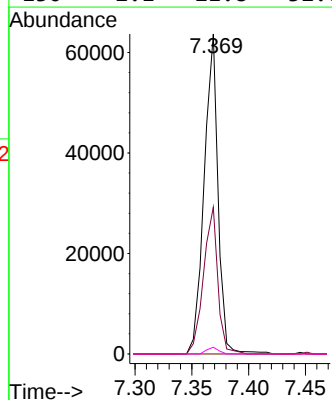
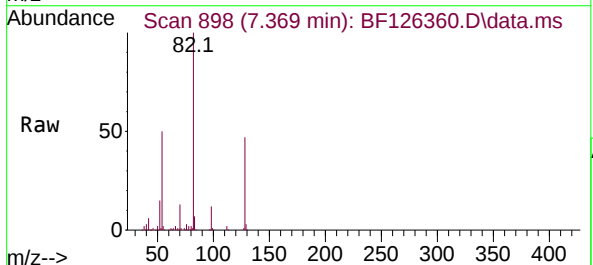
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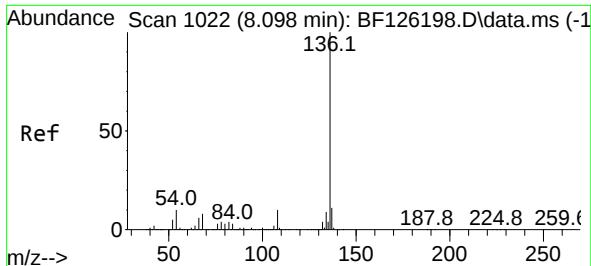
Tgt Ion: 99 Resp: 725487
Ion Ratio Lower Upper
99 100
42 17.3 23.5 35.3#
71 30.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.593 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.135 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion: 70 Resp: 54234
Ion Ratio Lower Upper
70 100
42 45.9 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#



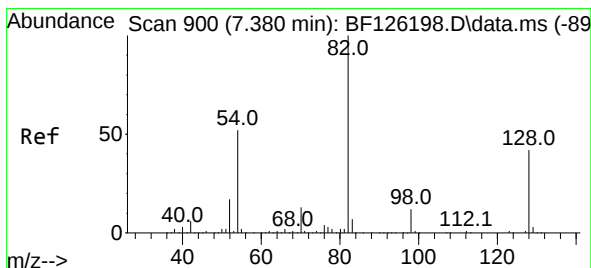
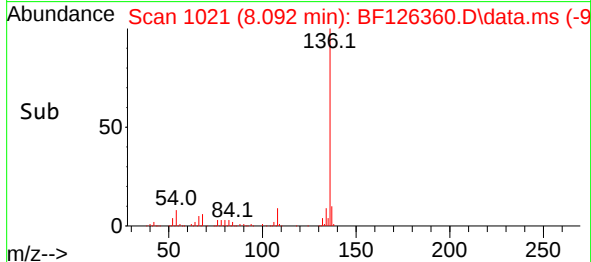
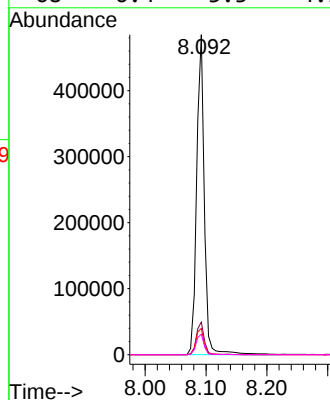
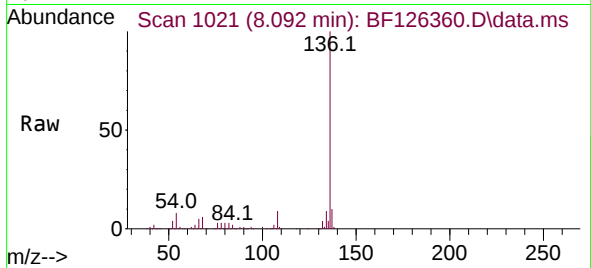


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Instrument :
BNA_F
ClientSampleId :
SB-21-C2

Tgt Ion:136 Resp: 425021

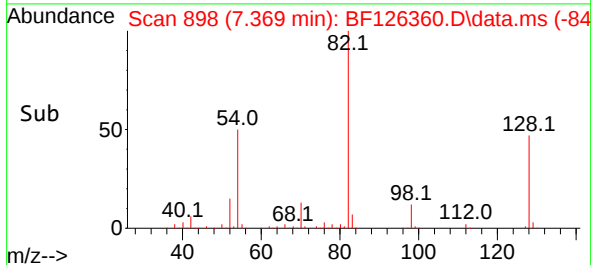
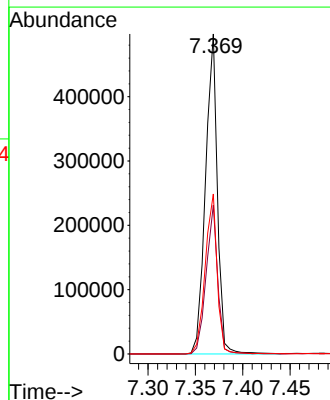
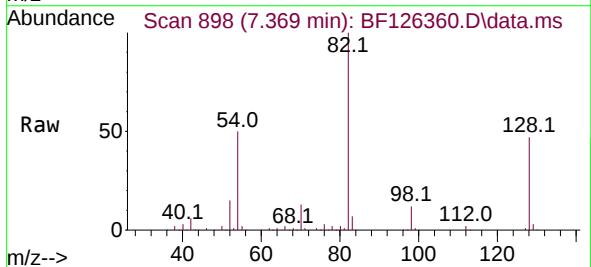
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.8	14.6
54	8.2	6.4	9.6
68	6.4	3.3	4.9

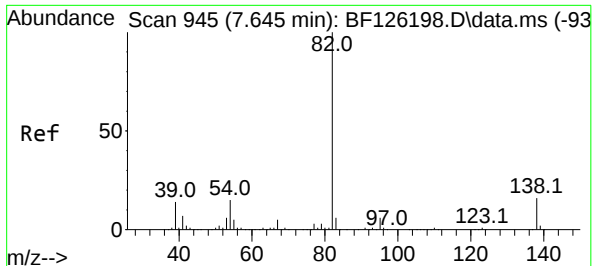


#23
Nitrobenzene-d5
Concen: 55.252 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion: 82 Resp: 433595

Ion	Ratio	Lower	Upper
82	100		
128	46.5	40.6	60.8
54	50.0	49.6	74.4

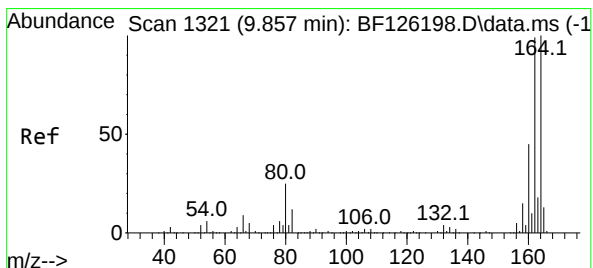
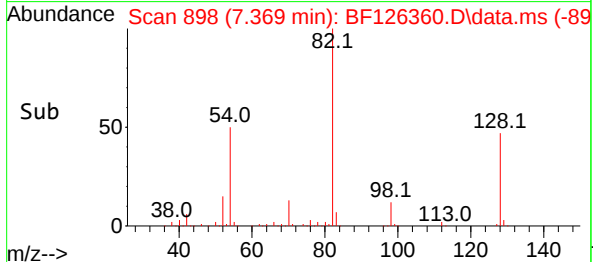
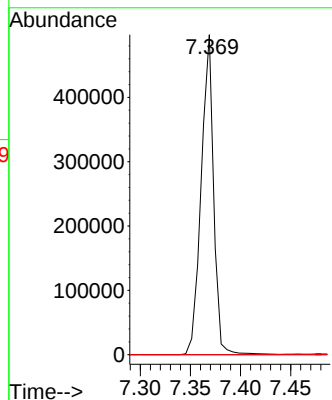
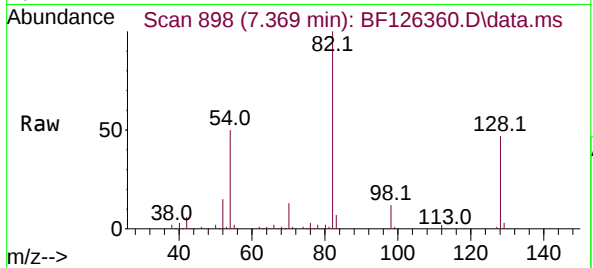




#25
Isophorone
Concen: 29.258 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

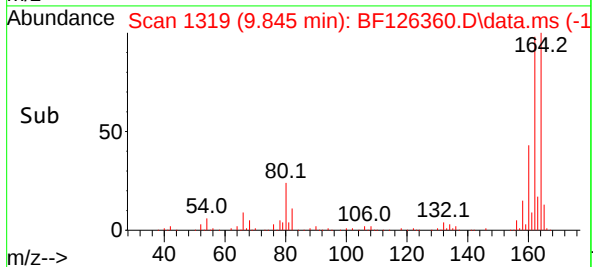
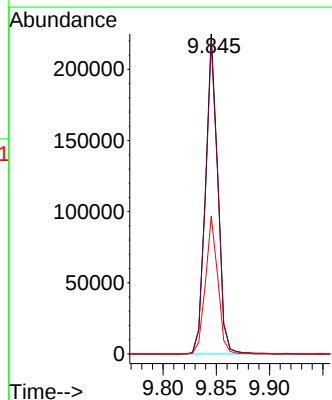
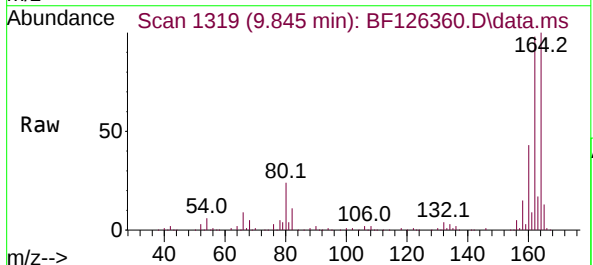
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ClientSampleId :
SB-21-C2

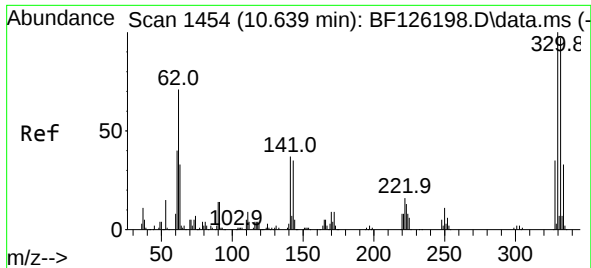
Tgt Ion: 82 Resp: 433591
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:164 Resp: 180059
Ion Ratio Lower Upper
164 100
162 97.6 81.3 121.9
160 43.1 38.0 57.0

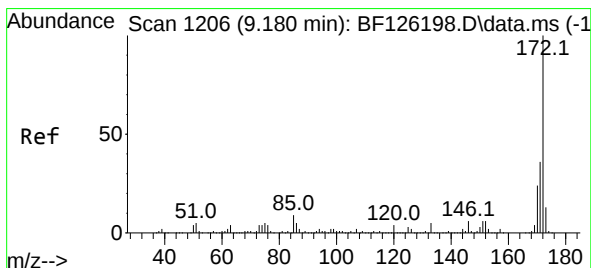
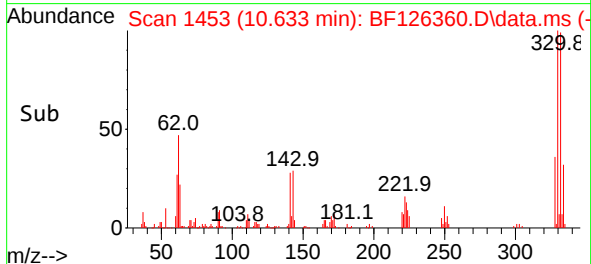
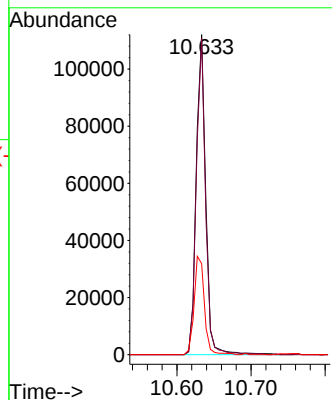
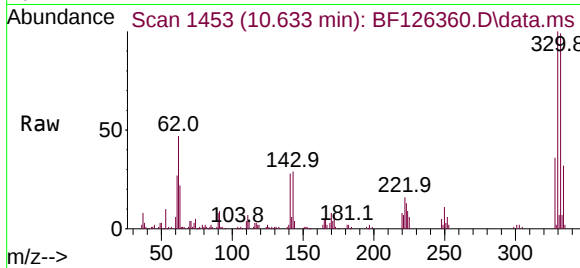




#42
2,4,6-Tribromophenol
Concen: 68.705 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

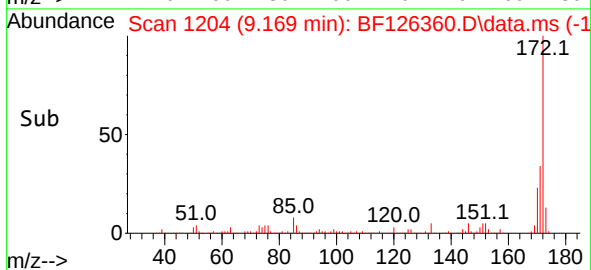
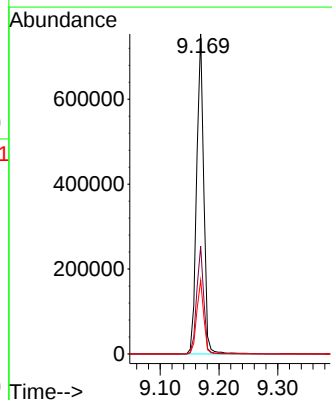
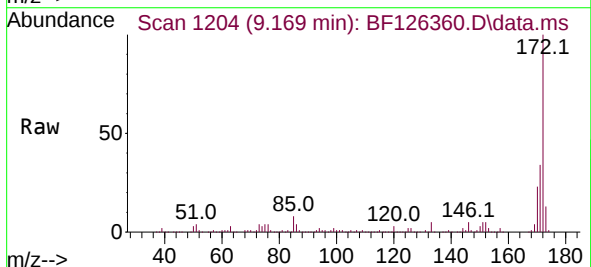
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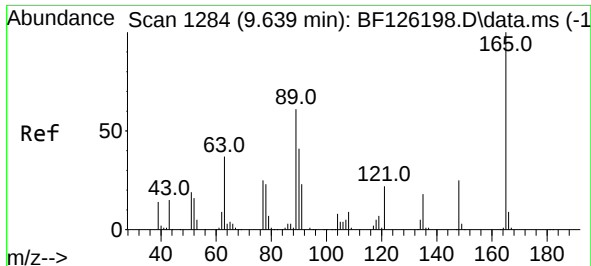
Tgt Ion:330 Resp: 99418
Ion Ratio Lower Upper
330 100
332 95.7 76.2 114.4
141 33.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 62.251 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:172 Resp: 639089
Ion Ratio Lower Upper
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171 33.6 26.5 39.7
170 23.1 18.8 28.2

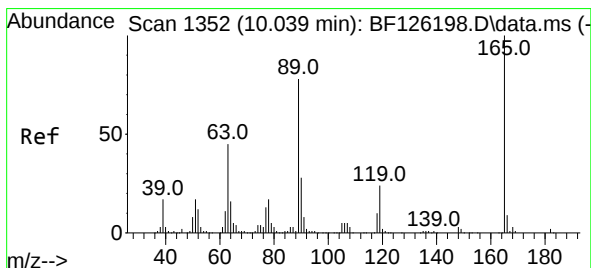
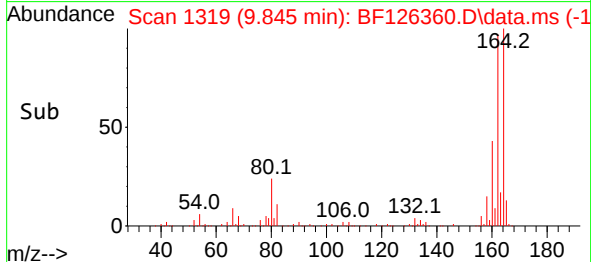
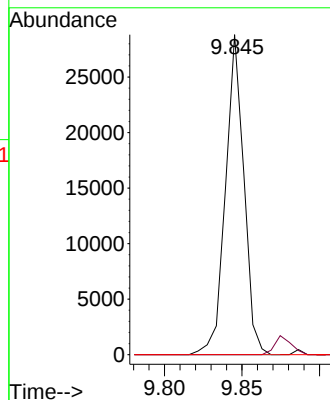
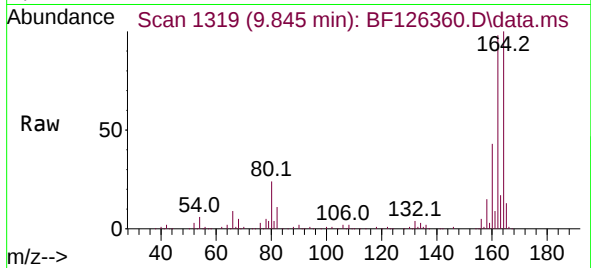




#51
2,6-Dinitrotoluene
Concen: 9.629 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

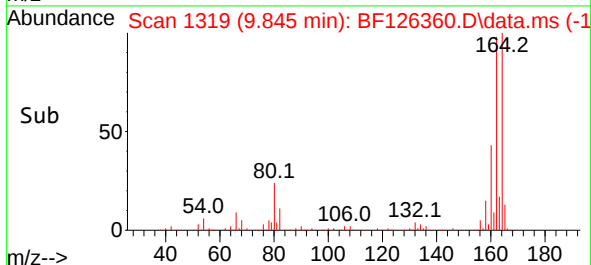
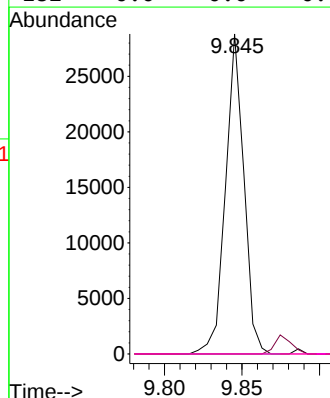
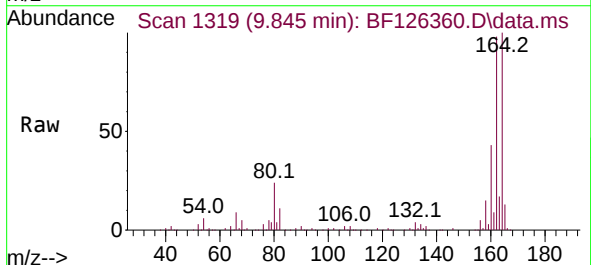
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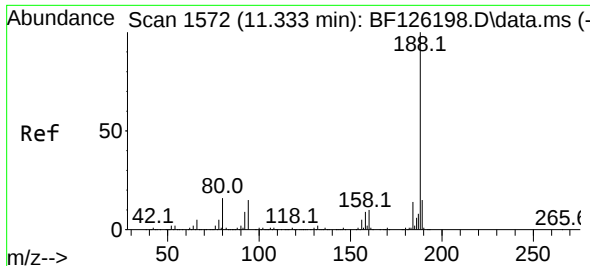
Tgt Ion:165 Resp: 23771
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.548 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.194 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:165 Resp: 23771
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

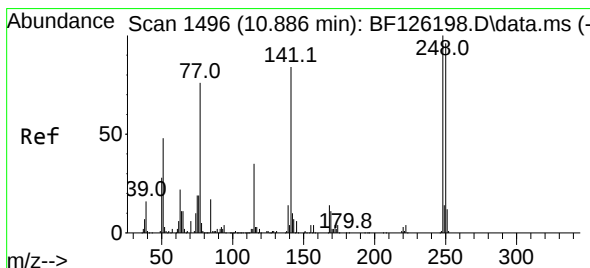
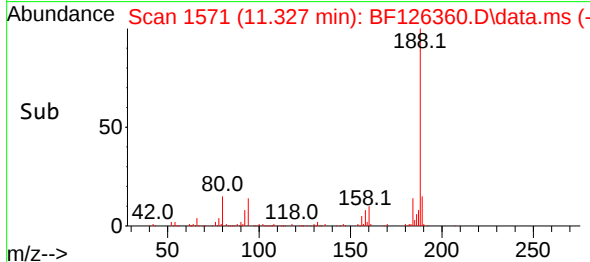
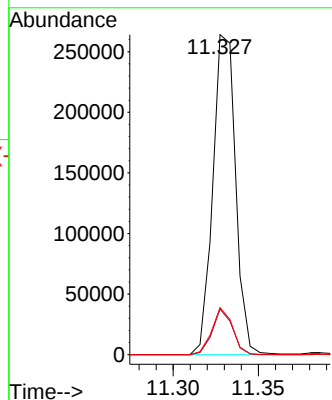
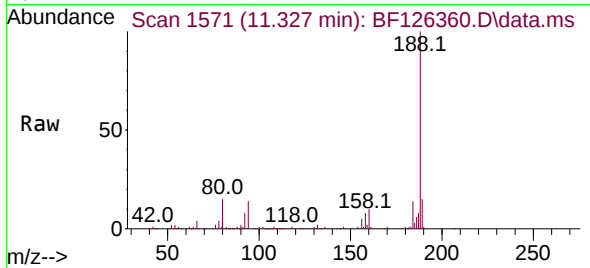




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

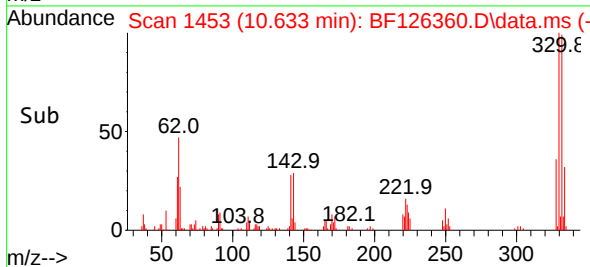
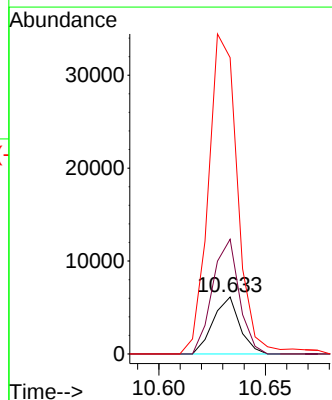
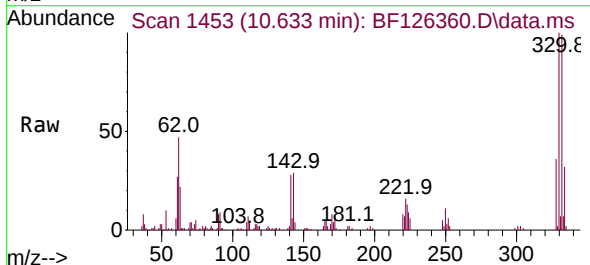
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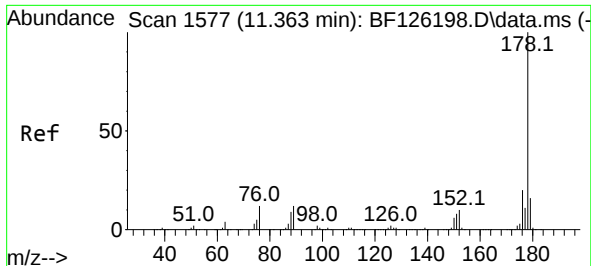
Tgt Ion:188 Resp: 245979
Ion Ratio Lower Upper
188 100
94 14.3 6.7 10.1#
80 14.7 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 2.310 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:248 Resp: 5333
Ion Ratio Lower Upper
248 100
250 201.3 74.2 111.4#
141 520.1 60.4 90.6#

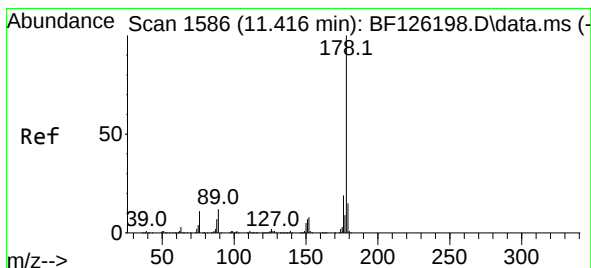
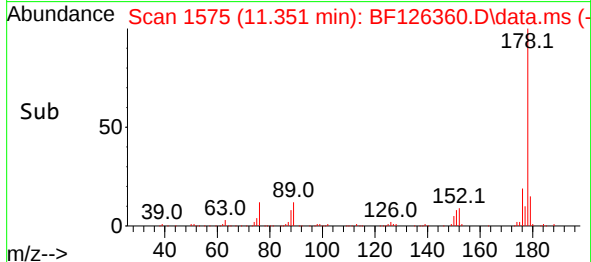
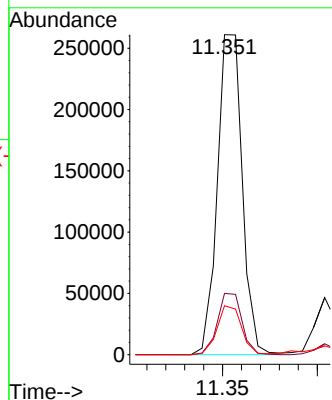
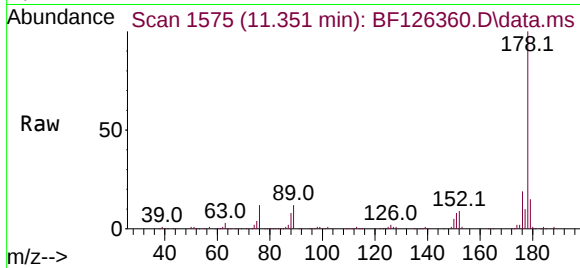




#71
Phenanthrene
Concen: 18.791 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

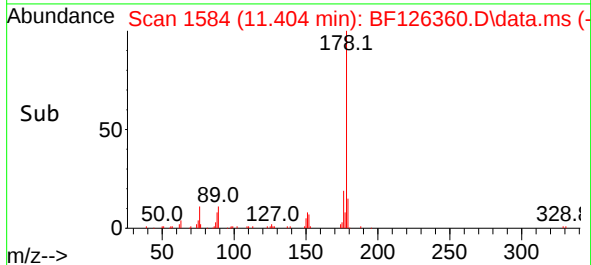
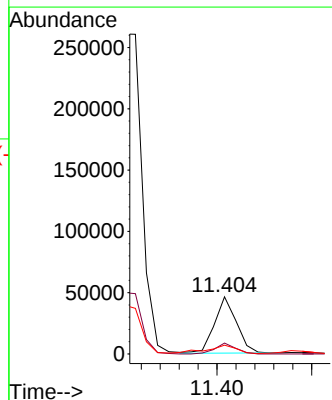
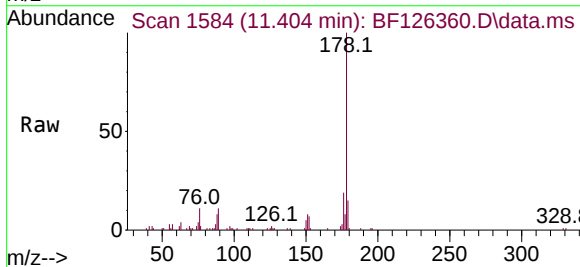
Instrument :
BNA_F
ClientSampleId :
SB-21-C2

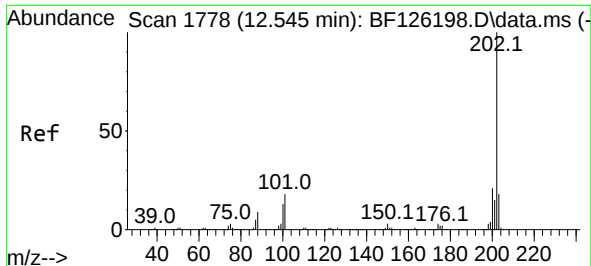
Tgt Ion:178 Resp: 238567
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.3 11.5 17.3



#72
Anthracene
Concen: 2.908 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:178 Resp: 37055
Ion Ratio Lower Upper
178 100
176 19.0 14.3 21.5
179 15.5 12.2 18.4

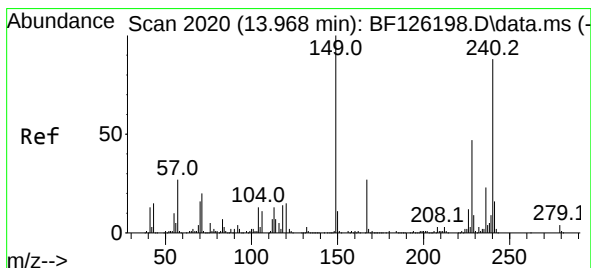
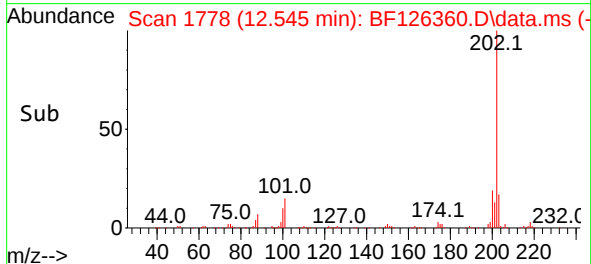
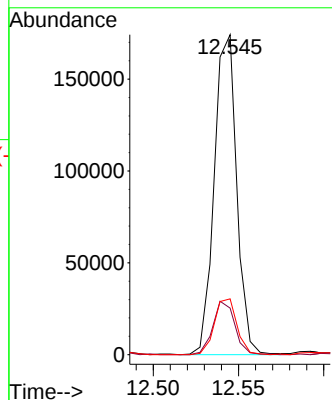
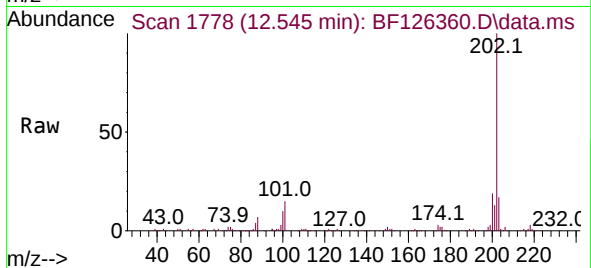




#75
Fluoranthene
Concen: 13.966 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

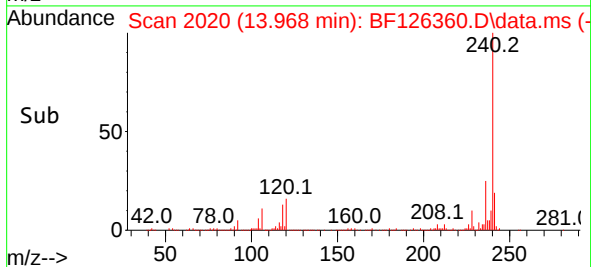
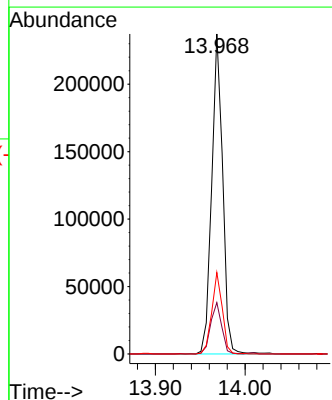
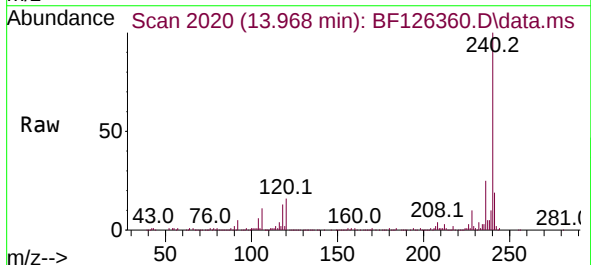
Instrument :
BNA_F
ClientSampleId :
SB-21-C2

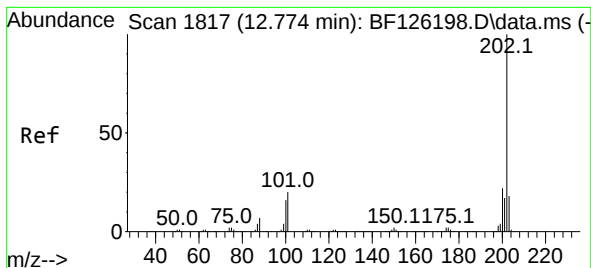
Tgt Ion:202 Resp: 159752
Ion Ratio Lower Upper
202 100
101 14.6 0.0 30.7
203 17.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:240 Resp: 201279
Ion Ratio Lower Upper
240 100
120 16.1 10.8 16.2
236 25.5 21.6 32.4





#78

Pyrene

Concen: 14.384 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF126360.D

Acq: 27 Dec 2021 17:32

Instrument :

BNA_F

ClientSampleId :

SB-21-C2

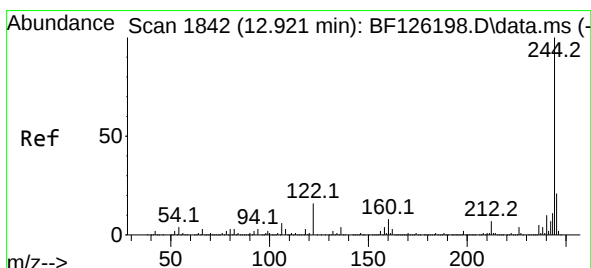
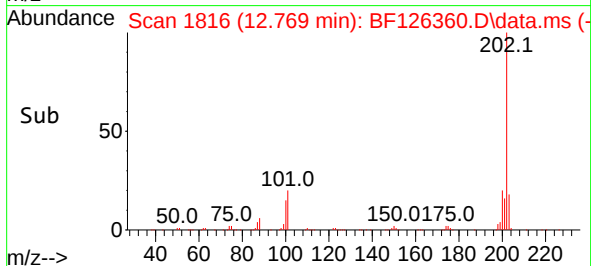
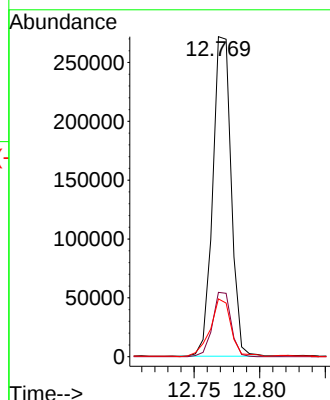
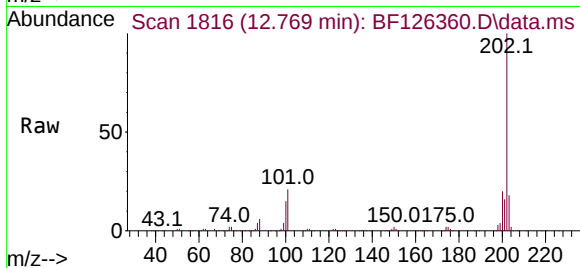
Tgt Ion:202 Resp: 265984

Ion Ratio Lower Upper

202 100

200 20.1 15.3 22.9

203 18.1 13.4 20.0



#79

Terphenyl-d14

Concen: 37.462 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BF126360.D

Acq: 27 Dec 2021 17:32

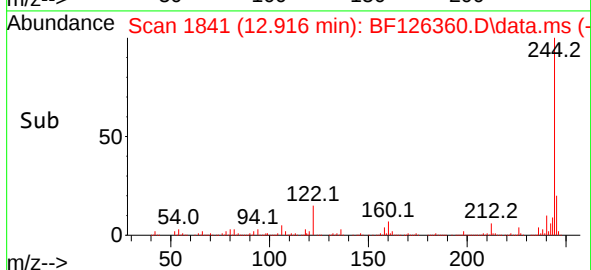
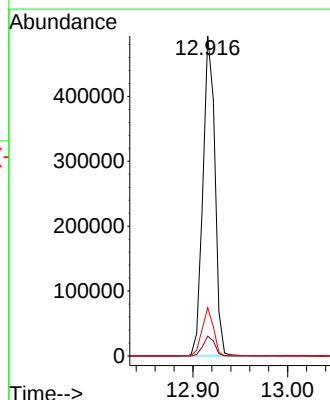
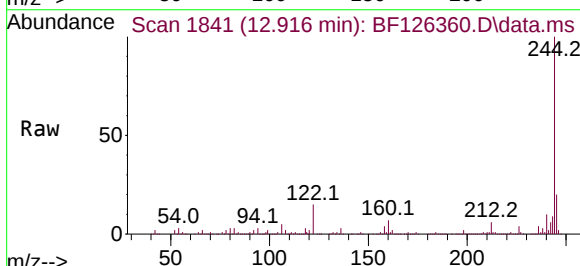
Tgt Ion:244 Resp: 433825

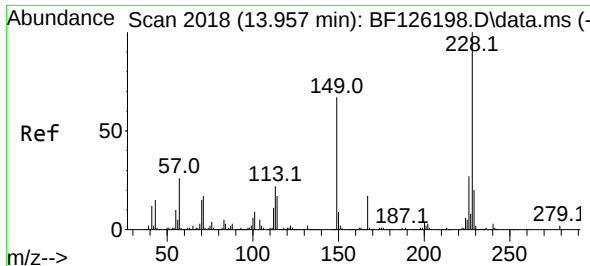
Ion Ratio Lower Upper

244 100

212 6.2 5.9 8.9

122 15.1 9.0 13.4#

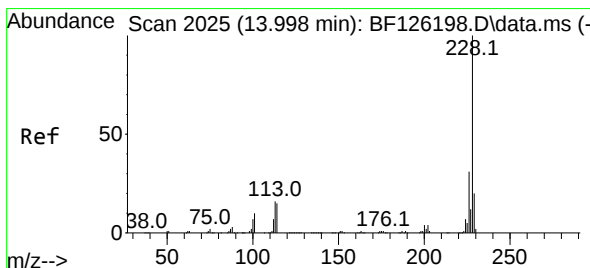
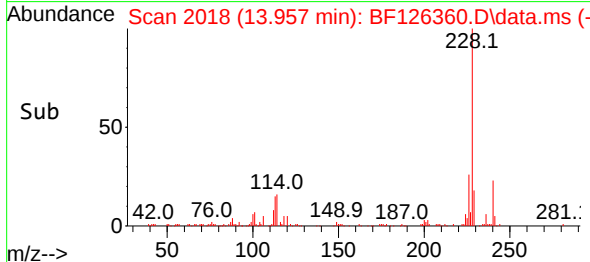
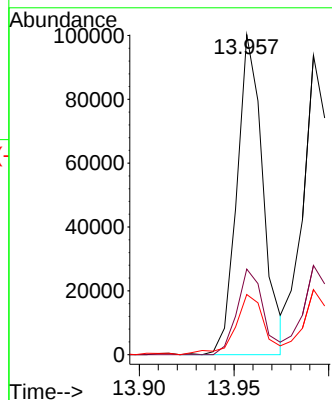
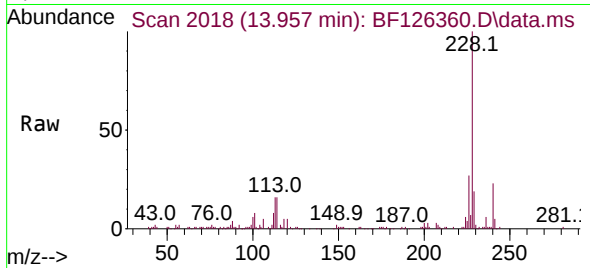




#81
Benzo(a)anthracene
Concen: 8.047 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

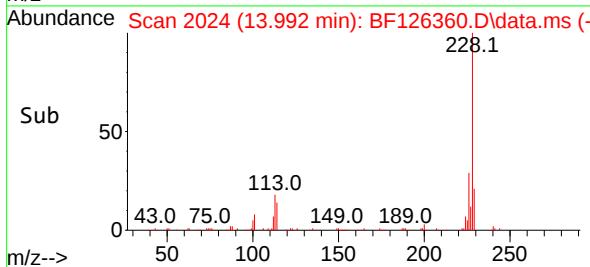
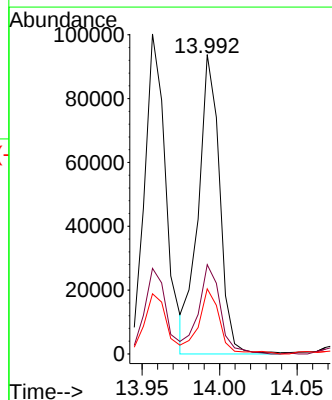
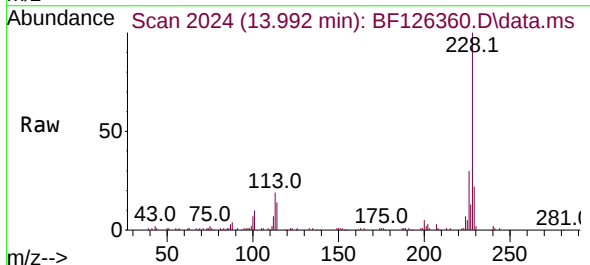
Instrument :
BNA_F
ClientSampleId :
SB-21-C2

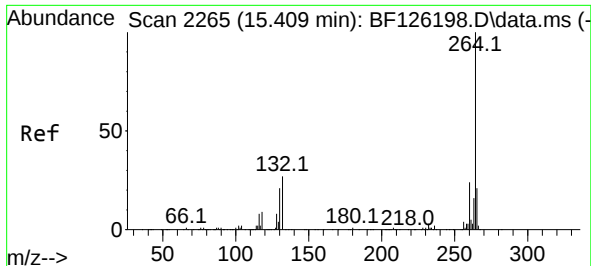
Tgt Ion:228 Resp: 95944
Ion Ratio Lower Upper
228 100
226 26.7 21.6 32.4
229 18.8 15.6 23.4



#83
Chrysene
Concen: 7.265 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:228 Resp: 89996
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 21.7 15.9 23.9

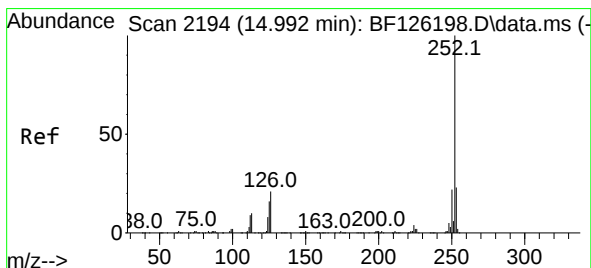
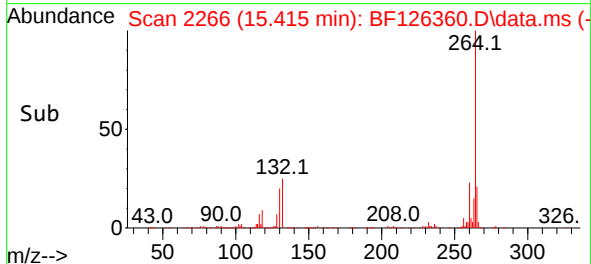
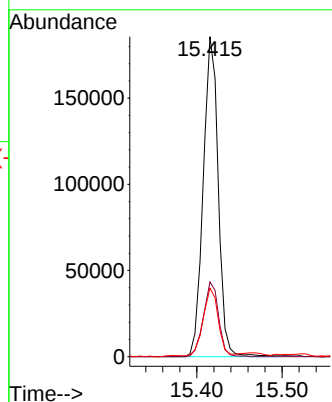
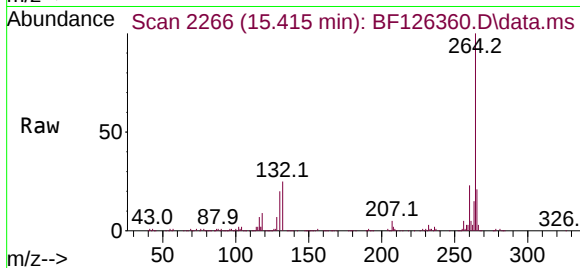




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2195
 Delta R.T. -0.012 min
 Lab File: BF126360.D
 Acq: 27 Dec 2021 17:32

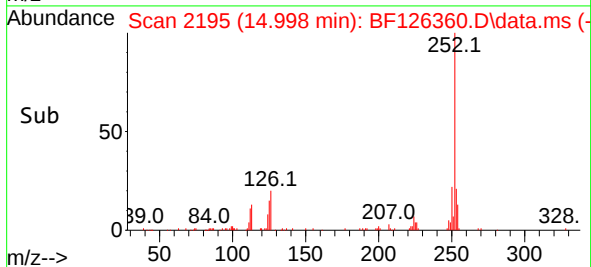
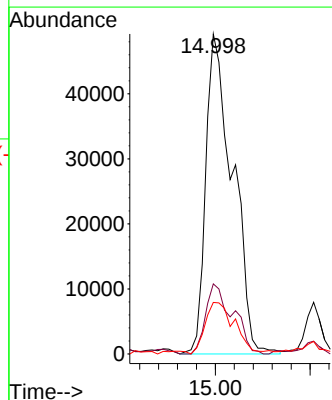
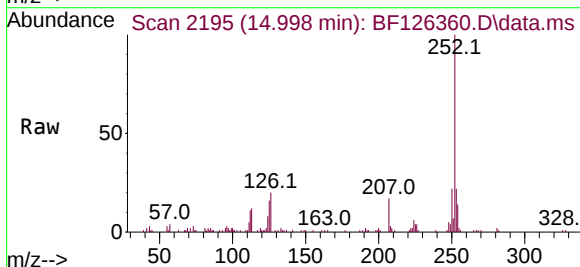
Instrument :
 BNA_F
 ClientSampleId :
 SB-21-C2

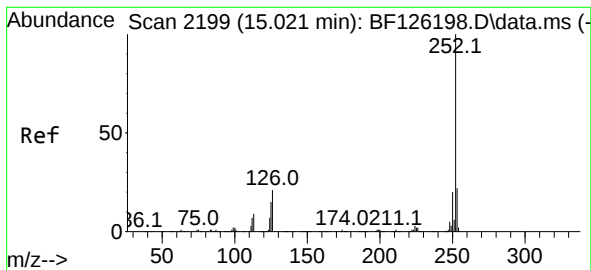
Tgt Ion:264 Resp: 227150
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.6 29.4
 265 21.5 17.2 25.8



#88
 Benzo(b)fluoranthene
 Concen: 7.112 ng
 RT: 14.998 min Scan# 2195
 Delta R.T. -0.006 min
 Lab File: BF126360.D
 Acq: 27 Dec 2021 17:32

Tgt Ion:252 Resp: 97067
 Ion Ratio Lower Upper
 252 100
 253 21.9 16.8 25.2
 125 16.1 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 7.434 ng

RT: 14.998 min Scan# 2199

Delta R.T. -0.035 min

Lab File: BF126360.D

Acq: 27 Dec 2021 17:32

Instrument :

BNA_F

ClientSampleId :

SB-21-C2

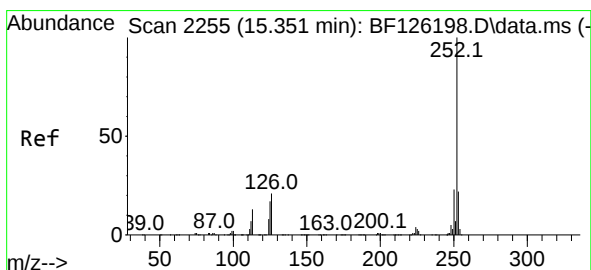
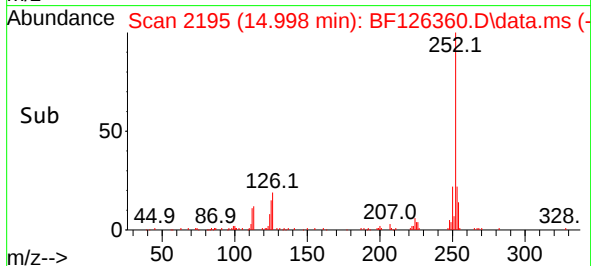
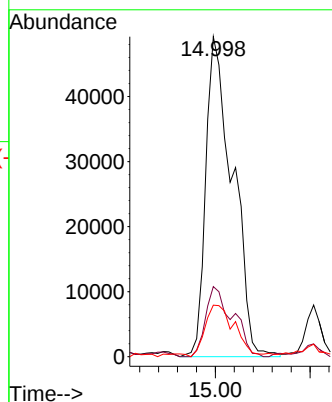
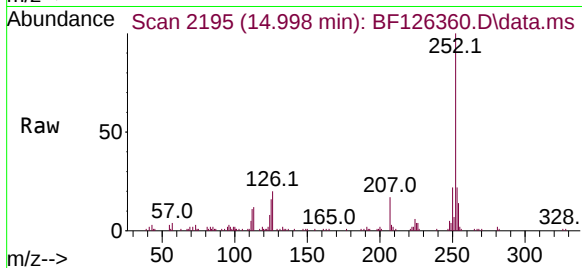
Tgt Ion:252 Resp: 97067

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 16.1 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 5.509 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.012 min

Lab File: BF126360.D

Acq: 27 Dec 2021 17:32

Tgt Ion:252 Resp: 62496

Ion Ratio Lower Upper

252 100

253 21.6 18.4 27.6

125 17.3 9.9 14.9#

