

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126366.D
 Acq On : 27 Dec 2021 20:41
 Operator : JU/CG
 Sample : M5230-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC124030

Quant Time: Dec 28 06:00:22 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)

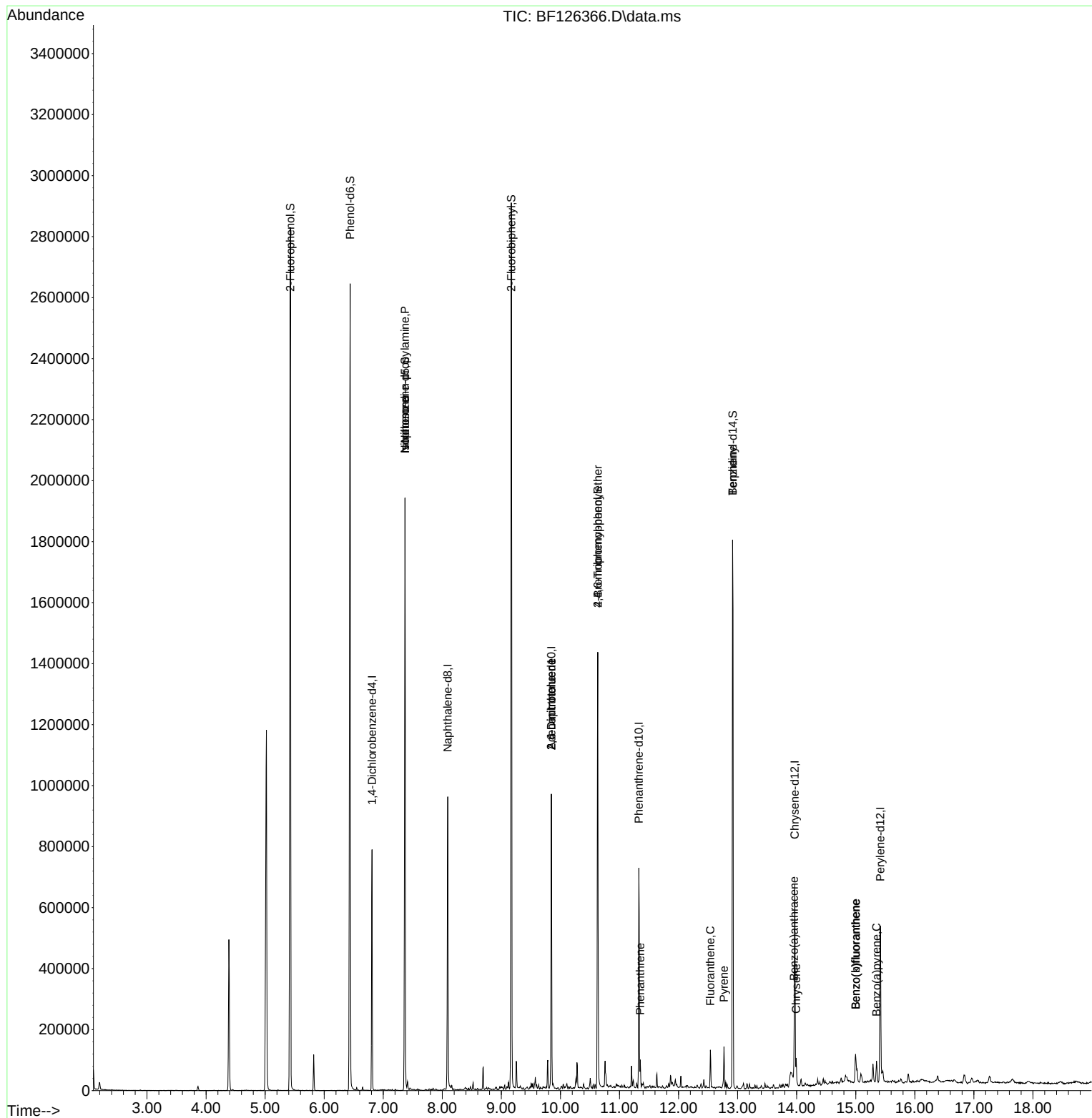
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	110599	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	441012	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	187627	20.000	ng	-0.01
64) Phenanthrene-d10	11.327	188	253603	20.000	ng	#-0.01
76) Chrysene-d12	13.968	240	192563	20.000	ng	-0.01
86) Perylene-d12	15.415	264	215878	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	850554	113.253	ng	0.00
7) Phenol-d6	6.439	99	1057946	110.942	ng	0.00
23) Nitrobenzene-d5	7.369	82	661404	81.225	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	166999	110.753	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	877011	81.980	ng	-0.01
79) Terphenyl-d14	12.916	244	599304	54.095	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	83570	14.275	ng	# 54
25) Isophorone	7.369	82	661399	43.012	ng	# 59
51) 2,6-Dinitrotoluene	9.845	165	23963	9.315	ng	# 27
57) 2,4-Dinitrotoluene	9.845	165	23963	7.302	ng	# 19
67) 4-Bromophenyl-phenylether	10.633	248	9258	3.890	ng	# 1
71) Phenanthrene	11.351	178	28739	2.196	ng	97
75) Fluoranthene	12.539	202	46911	3.978	ng	93
77) Benzidine	12.916	184	6945	2.288	ng	# 87
78) Pyrene	12.768	202	48616	2.748	ng	98
81) Benzo(a)anthracene	13.957	228	23360	2.048	ng	96
83) Chrysene	13.992	228	30271	2.554	ng	99
88) Benzo(b)fluoranthene	14.998	252	64212	4.950	ng	# 93
89) Benzo(k)fluoranthene	14.998	252	64212	5.175	ng	# 92
90) Benzo(a)pyrene	15.351	252	30926	2.869	ng	# 92

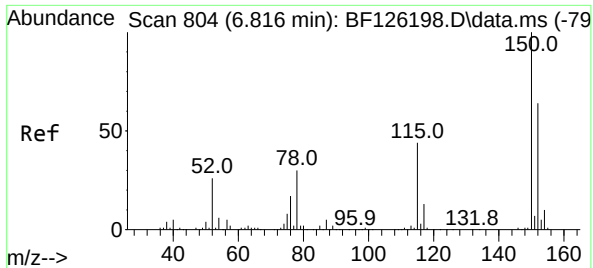
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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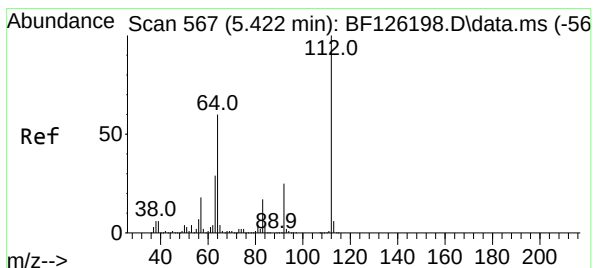
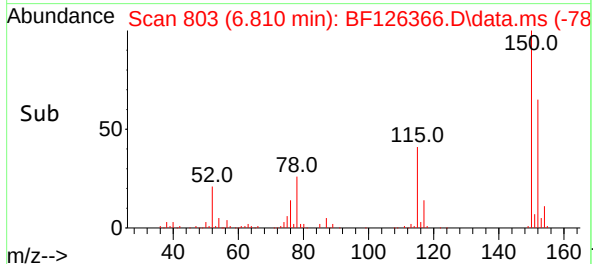
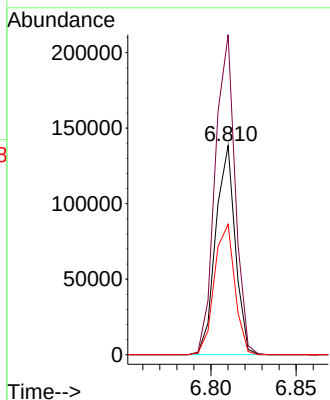
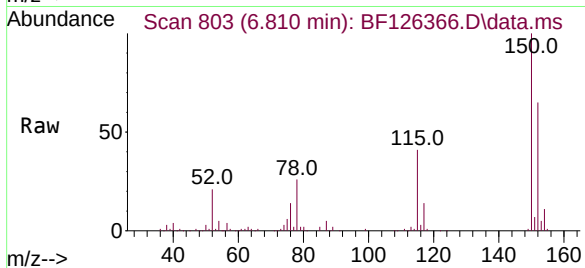




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.810 min Scan# 804
 Delta R.T. -0.006 min
 Lab File: BF126366.D
 Acq: 27 Dec 2021 20:41

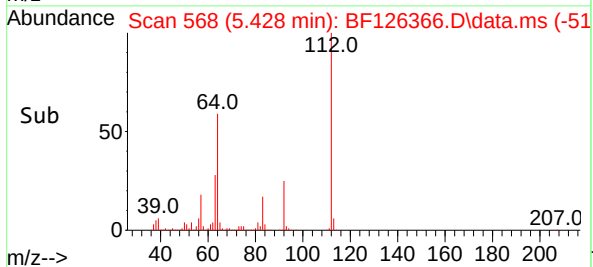
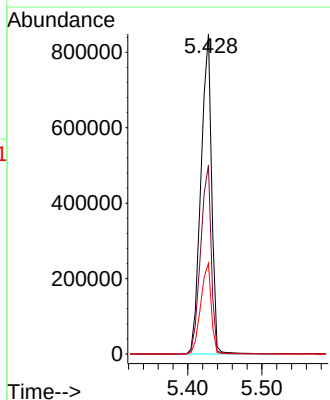
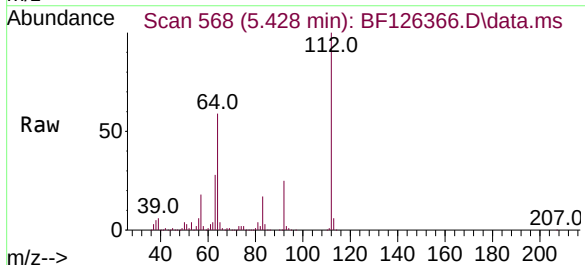
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 BNA_F
 ClientSampleId :
 PSC124030

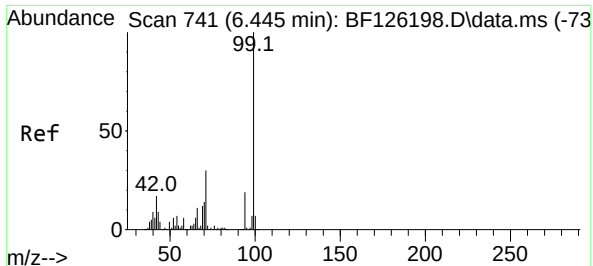
Tgt Ion:152 Resp: 110599
 Ion Ratio Lower Upper
 152 100
 150 153.0 117.6 176.4
 115 62.3 47.1 70.7



#5
 2-Fluorophenol
 Concen: 113.253 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF126366.D
 Acq: 27 Dec 2021 20:41

Tgt Ion:112 Resp: 850554
 Ion Ratio Lower Upper
 112 100
 64 59.1 44.2 66.2
 63 28.3 26.2 39.2

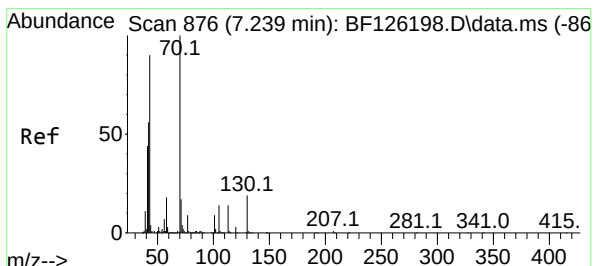
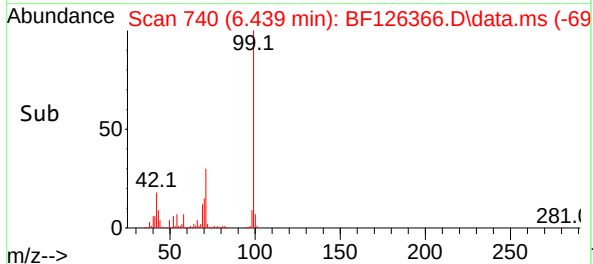
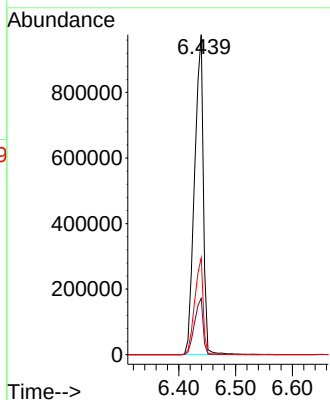
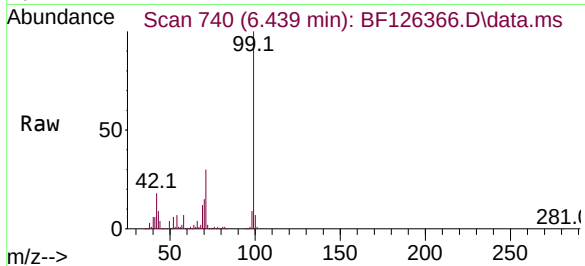




#7
Phenol-d6
Concen: 110.942 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

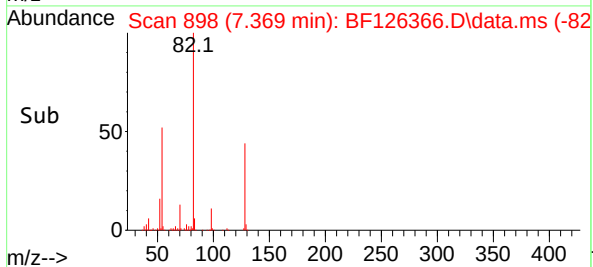
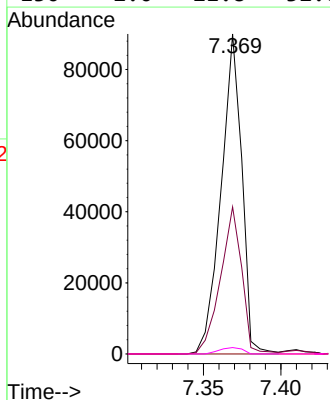
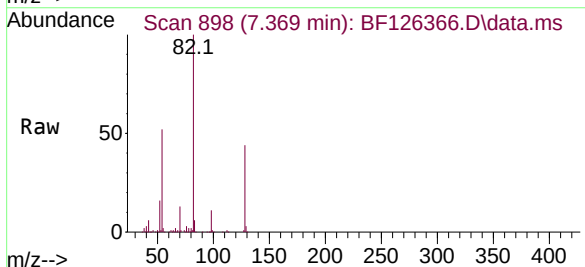
Instrument :
BNA_F
ClientSampleId :
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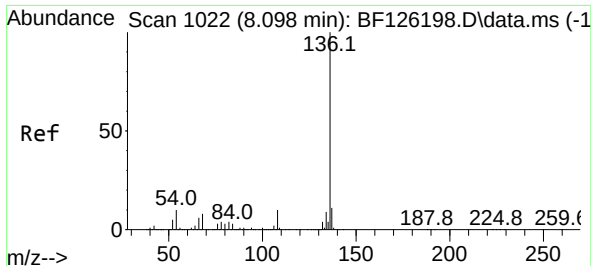
Tgt Ion: 99 Resp: 1057946
Ion Ratio Lower Upper
99 100
42 17.6 23.5 35.3#
71 30.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.275 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.135 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion: 70 Resp: 83570
Ion Ratio Lower Upper
70 100
42 46.0 72.2 108.2#
101 0.0 7.8 11.8#
130 2.0 21.8 32.6#

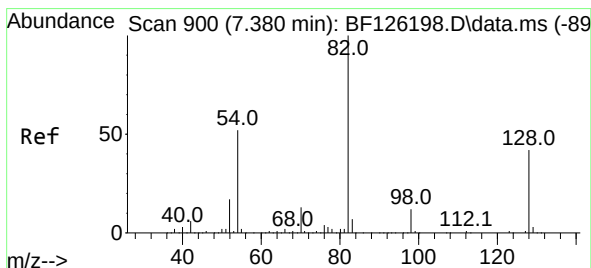
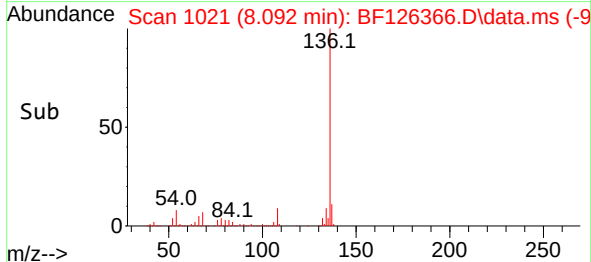
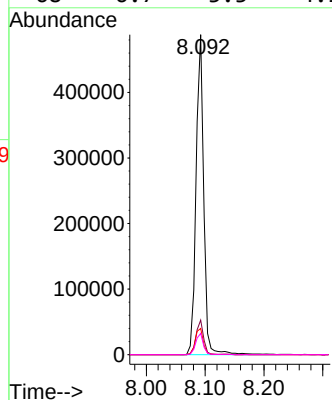
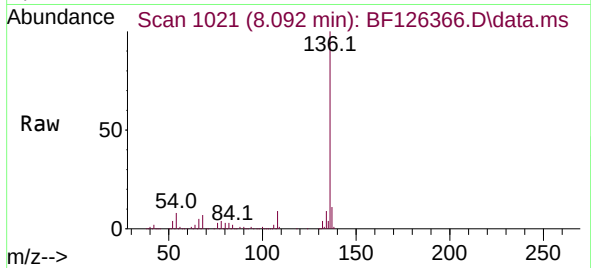




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

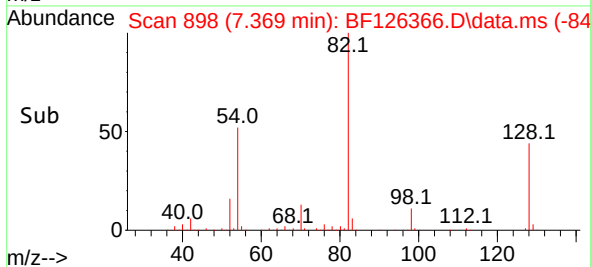
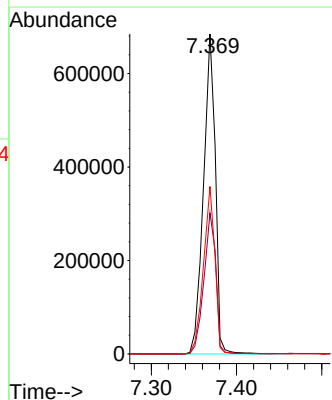
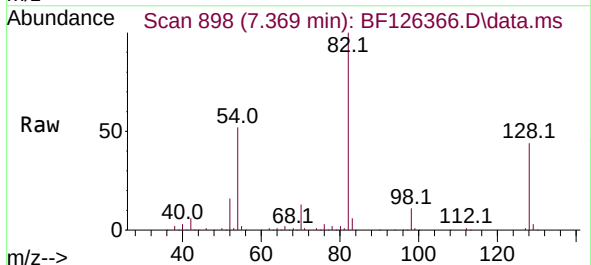
Instrument :
BNA_F
ClientSampleId :
PSC124030

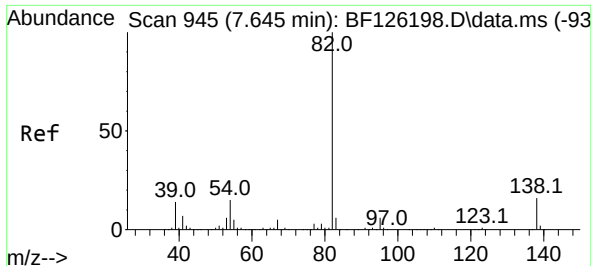
Tgt Ion:136	Resp: 441012
Ion Ratio	Lower Upper
136 100	
137 10.8	9.8 14.6
54 8.2	6.4 9.6
68 6.7	3.3 4.9



#23
Nitrobenzene-d5
Concen: 81.225 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion: 82	Resp: 661404
Ion Ratio	Lower Upper
82 100	
128 44.1	40.6 60.8
54 52.4	49.6 74.4

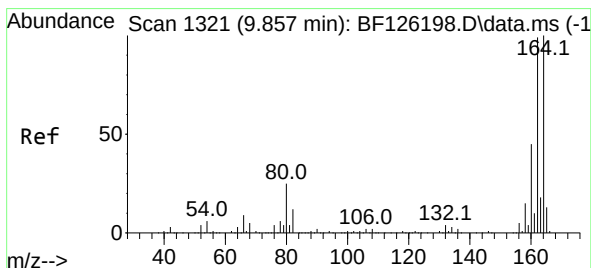
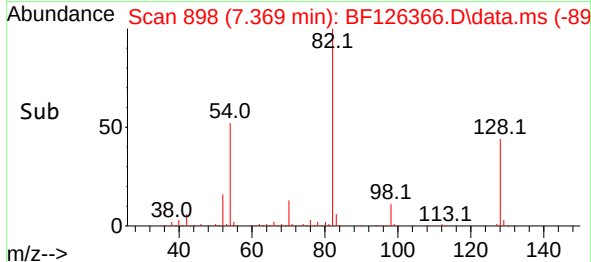
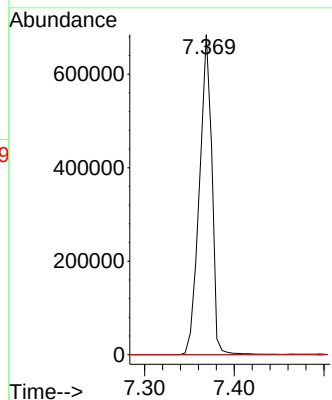
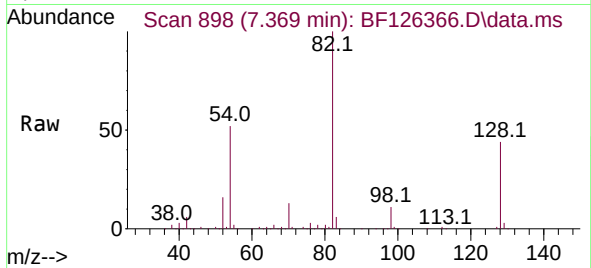




#25
Isophorone
Concen: 43.012 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

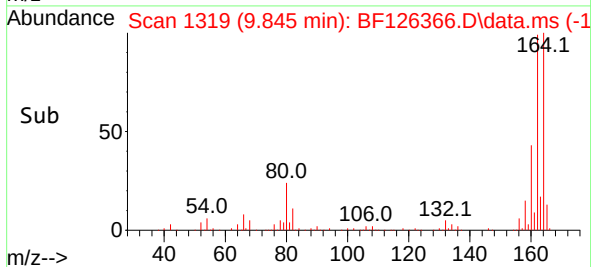
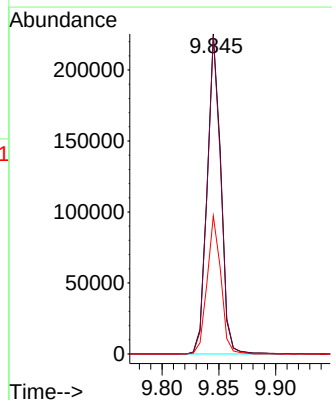
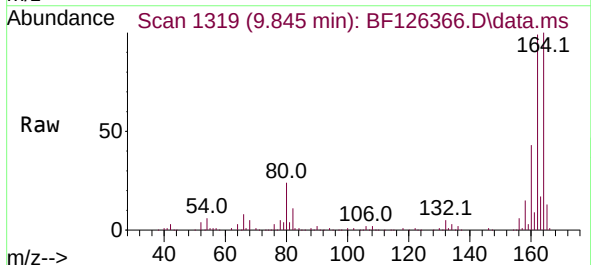
Instrument :
BNA_F
ClientSampleId :
PSC124030

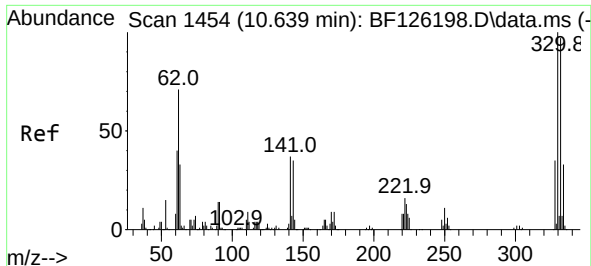
Tgt Ion: 82 Resp: 661399
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion: 164 Resp: 187627
Ion Ratio Lower Upper
164 100
162 99.5 81.3 121.9
160 43.2 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 110.753 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF126366.D

Acq: 27 Dec 2021 20:41

Instrument :

BNA_F

ClientSampleId :

PSC124030

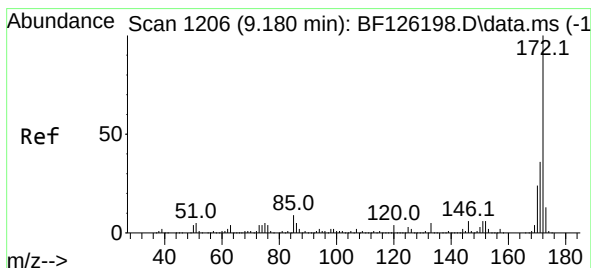
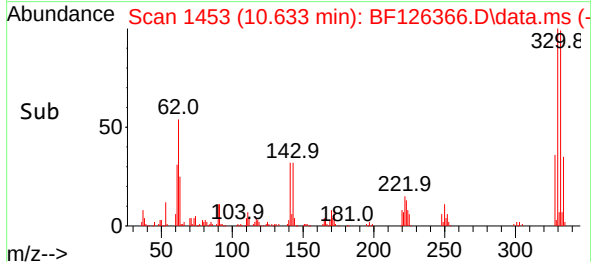
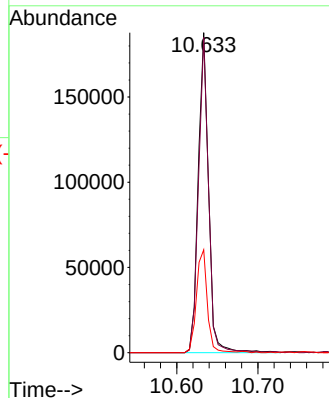
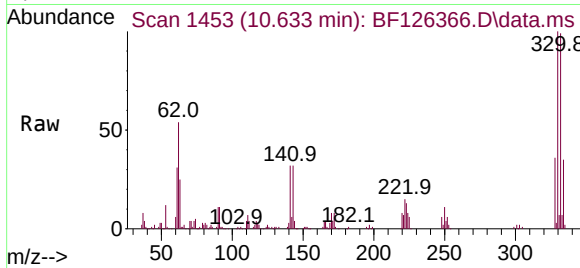
Tgt Ion:330 Resp: 166999

Ion Ratio Lower Upper

330 100

332 96.1 76.2 114.4

141 34.1 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 81.980 ng

RT: 9.169 min Scan# 1204

Delta R.T. -0.012 min

Lab File: BF126366.D

Acq: 27 Dec 2021 20:41

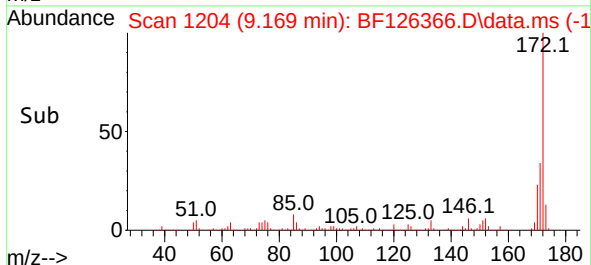
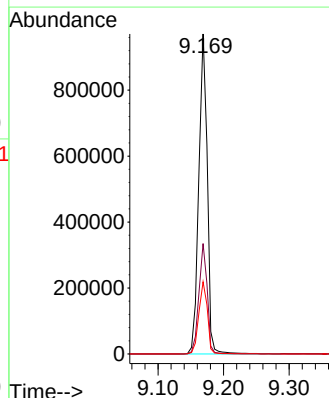
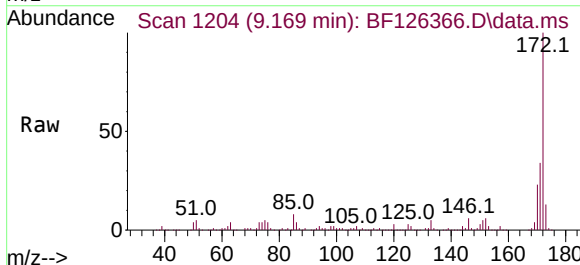
Tgt Ion:172 Resp: 877011

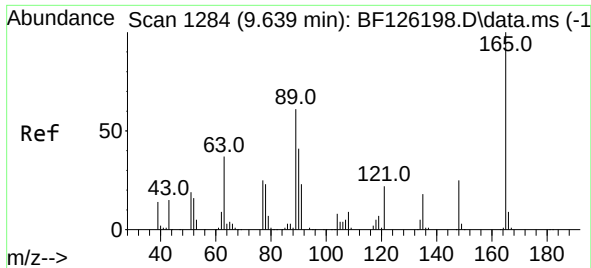
Ion Ratio Lower Upper

172 100

171 34.5 26.5 39.7

170 22.5 18.8 28.2

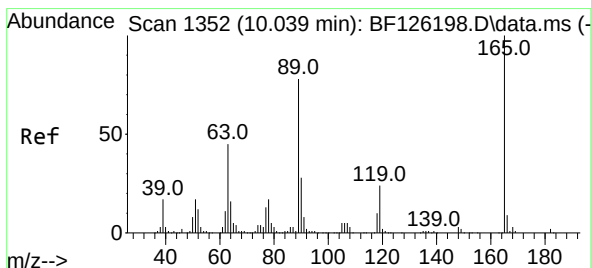
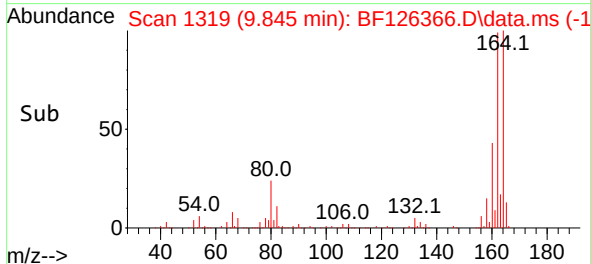
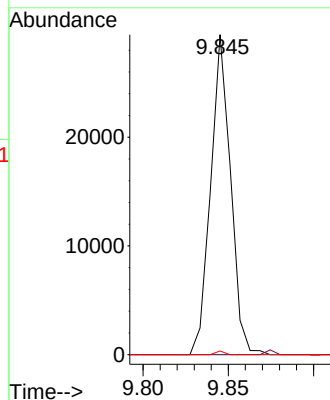
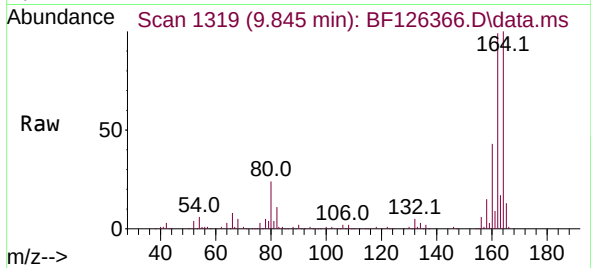




#51
2,6-Dinitrotoluene
Concen: 9.315 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

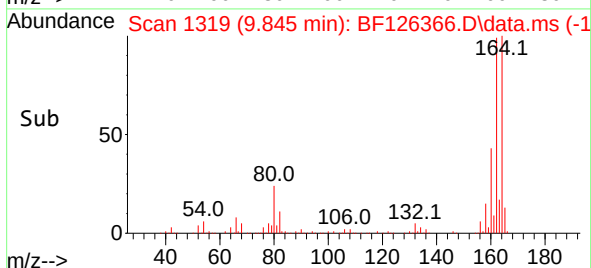
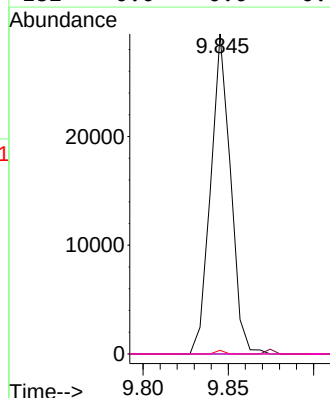
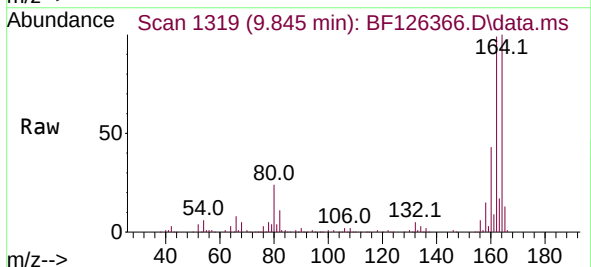
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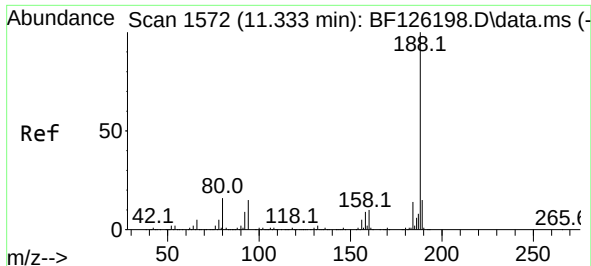
Tgt Ion:165 Resp: 23963
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 1.1 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.302 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.194 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion:165 Resp: 23963
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 1.1 59.7 89.5#
182 0.0 0.0 0.0

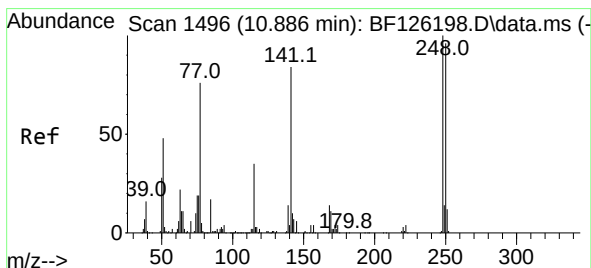
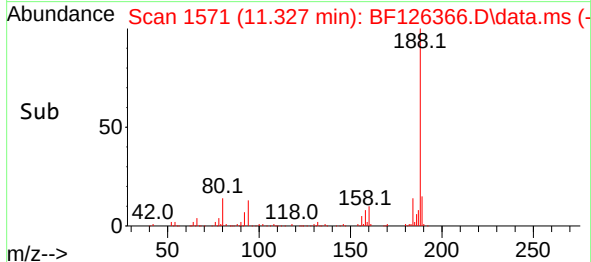
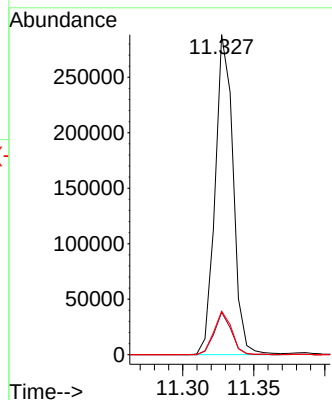
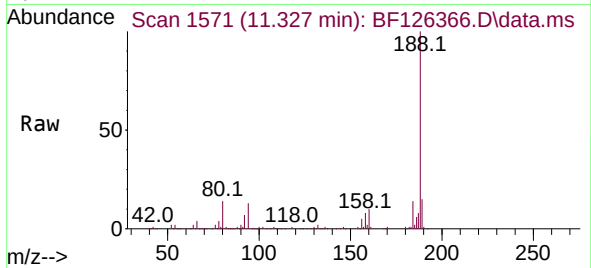




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

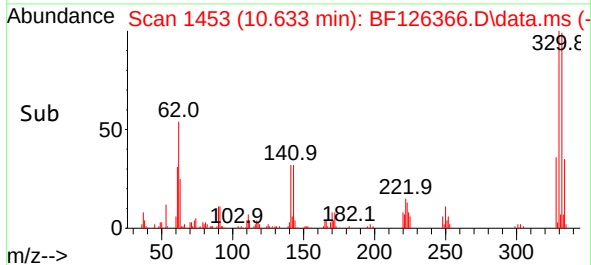
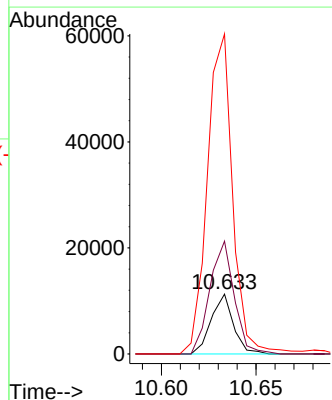
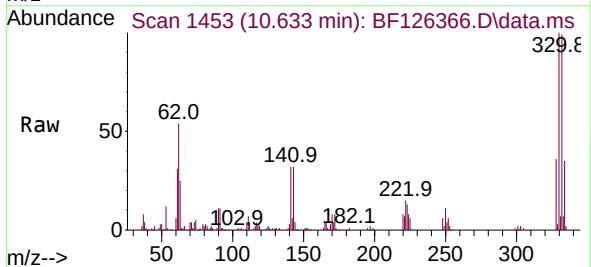
Instrument :
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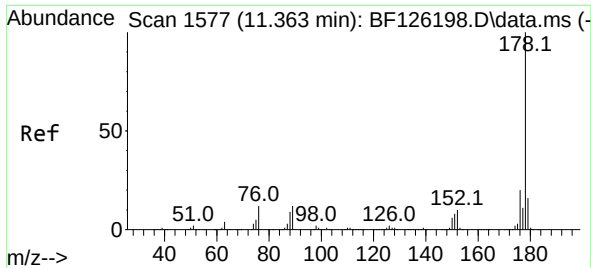
Tgt Ion:188 Resp: 253603
Ion Ratio Lower Upper
188 100
94 13.3 6.7 10.1#
80 13.6 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 3.890 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion:248 Resp: 9258
Ion Ratio Lower Upper
248 100
250 188.2 74.2 111.4#
141 534.1 60.4 90.6#

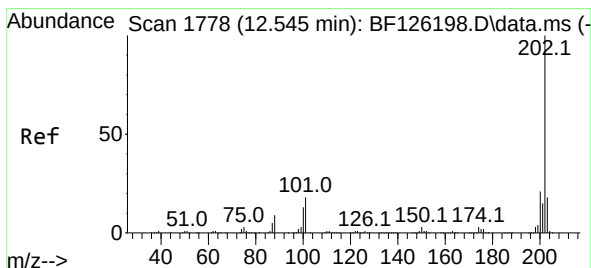
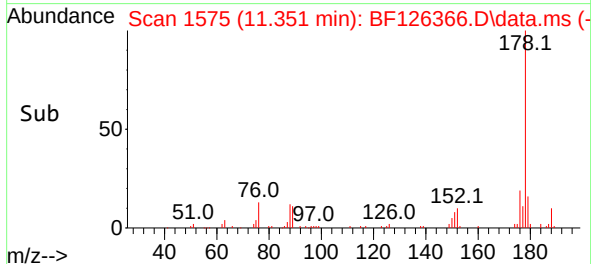
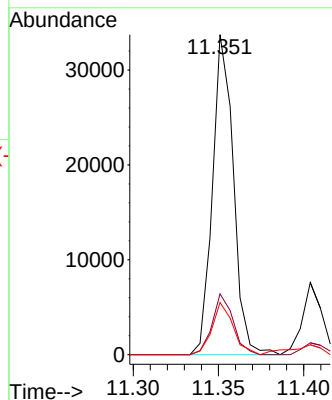
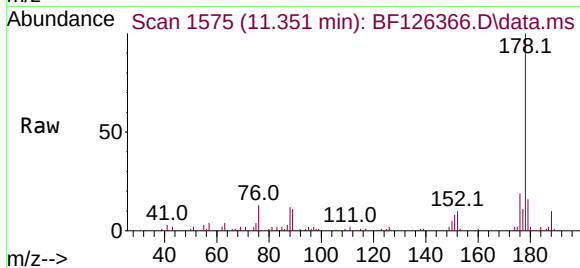




#71
Phenanthrene
Concen: 2.196 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

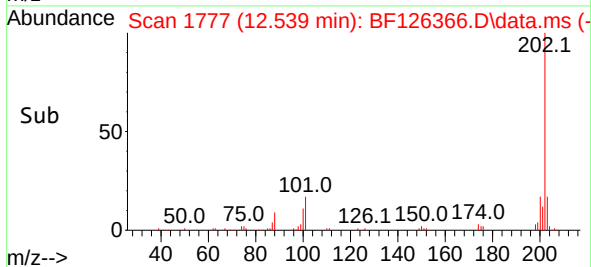
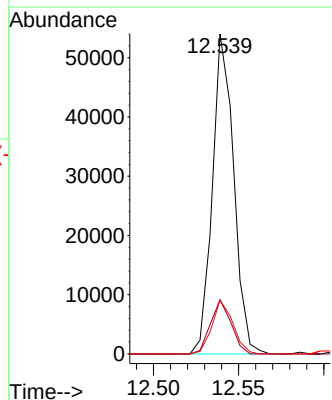
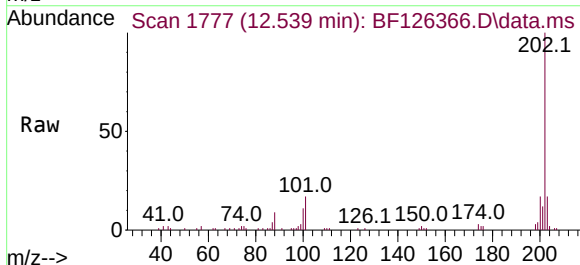
Instrument :
BNA_F
ClientSampleId :
PSC124030

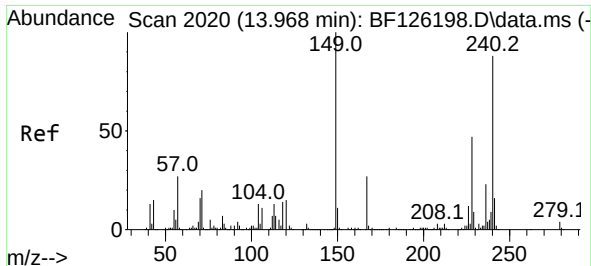
Tgt Ion:178 Resp: 28739
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 16.3 11.5 17.3



#75
Fluoranthene
Concen: 3.978 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion:202 Resp: 46911
Ion Ratio Lower Upper
202 100
101 17.0 0.0 30.7
203 16.8 0.0 36.3

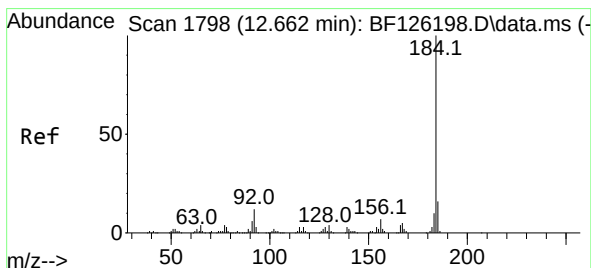
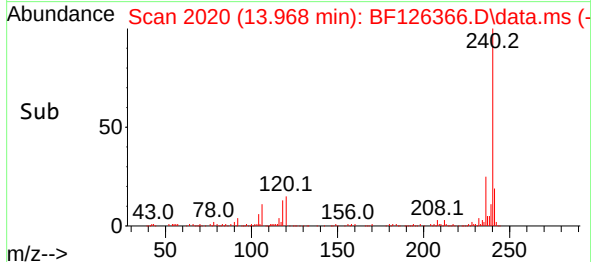
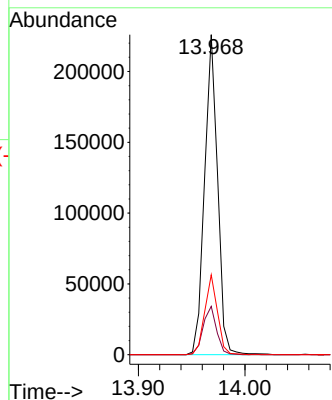
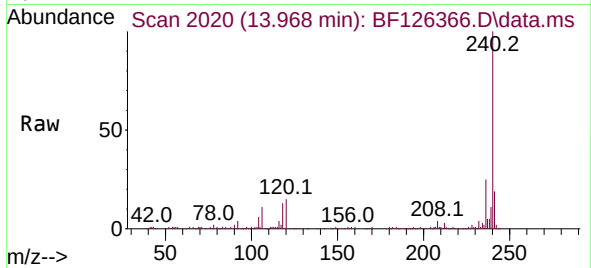




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

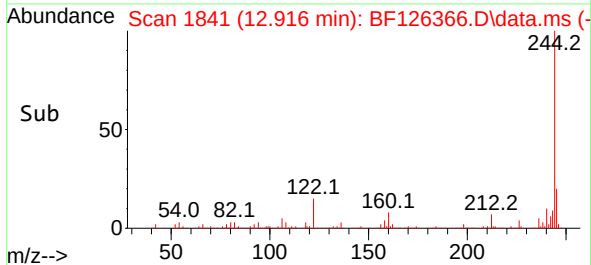
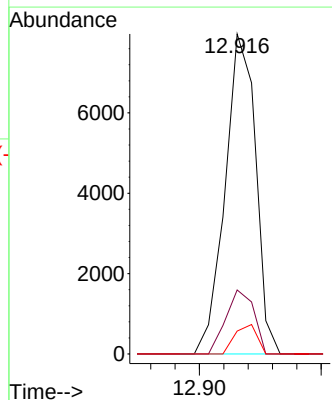
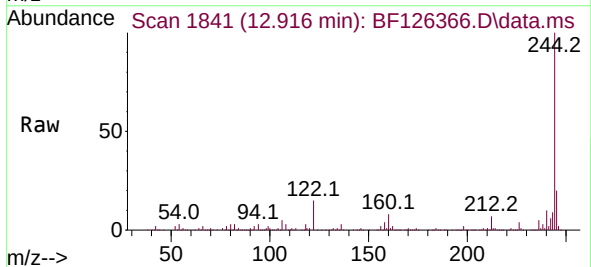
Instrument :
BNA_F
ClientSampleId :
PSC124030

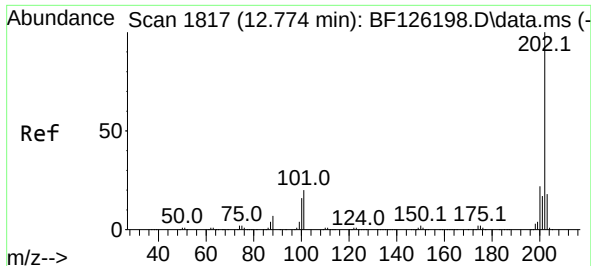
Tgt Ion:240 Resp: 192563
Ion Ratio Lower Upper
240 100
120 15.1 10.8 16.2
236 24.9 21.6 32.4



#77
Benzidine
Concen: 2.288 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.241 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion:184 Resp: 6945
Ion Ratio Lower Upper
184 100
185 20.0 10.8 16.2#
183 7.2 8.1 12.1#

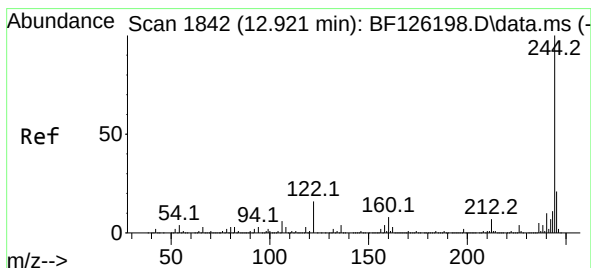
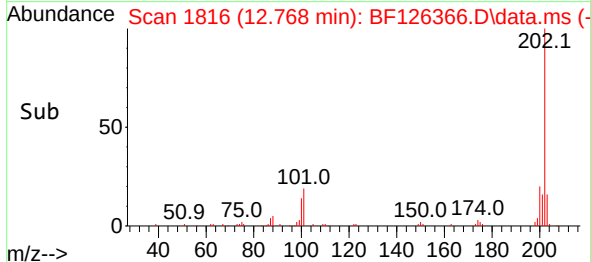
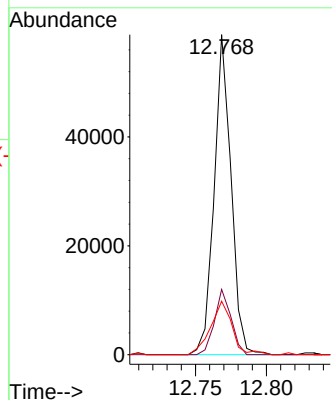
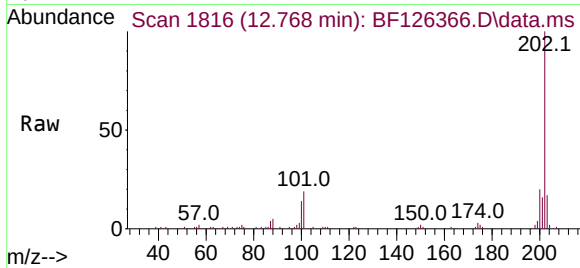




#78
Pyrene
Concen: 2.748 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

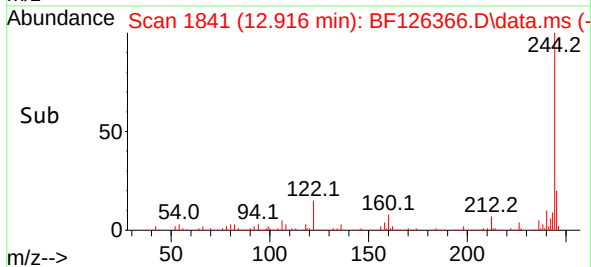
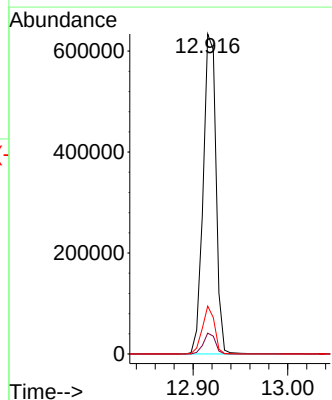
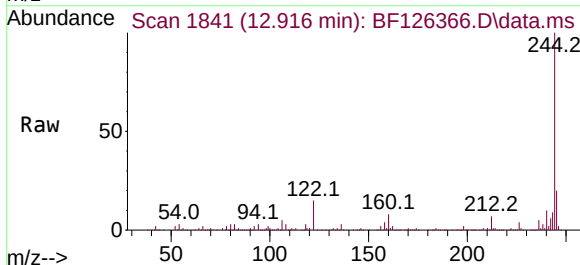
Instrument :
BNA_F
ClientSampleId :
PSC124030

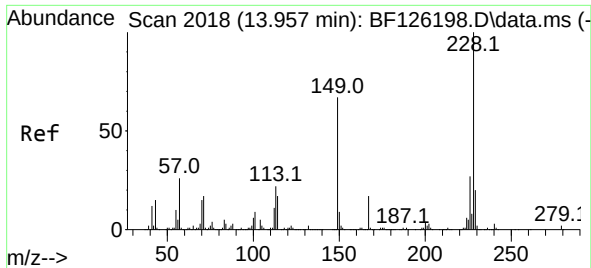
Tgt Ion:202 Resp: 48616
Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 16.7 13.4 20.0



#79
Terphenyl-d14
Concen: 54.095 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion:244 Resp: 599304
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 15.0 9.0 13.4#

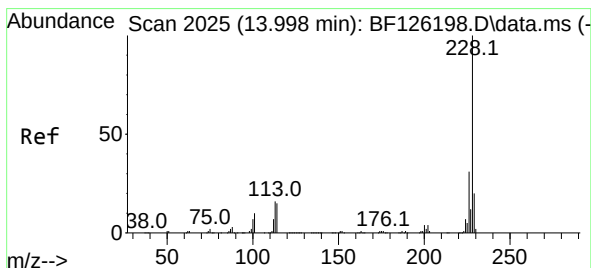
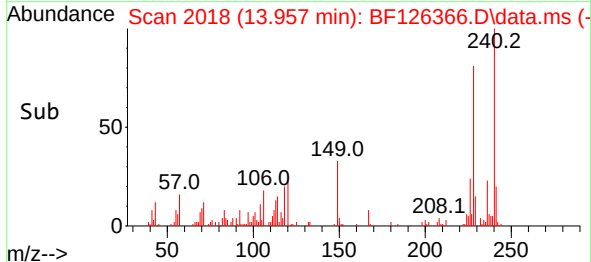
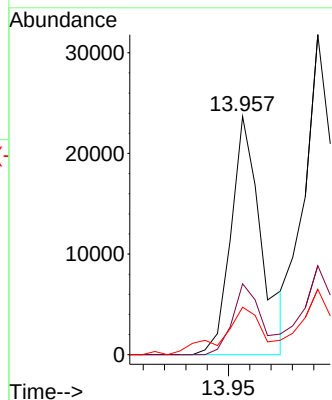
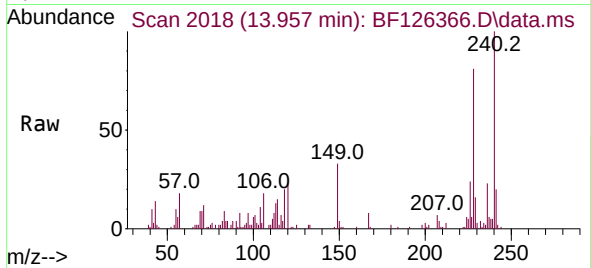




#81
Benzo(a)anthracene
Concen: 2.048 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

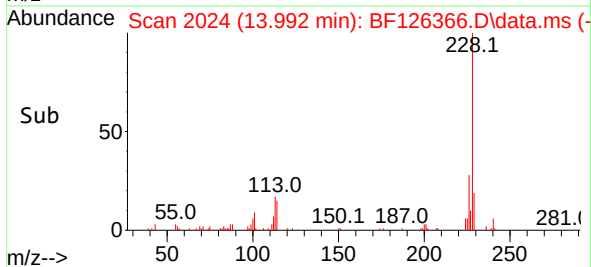
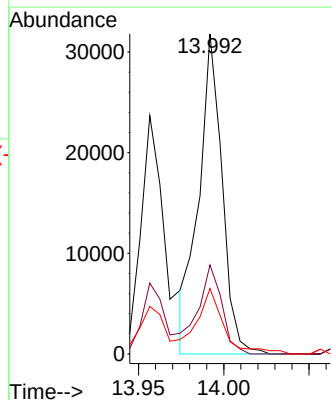
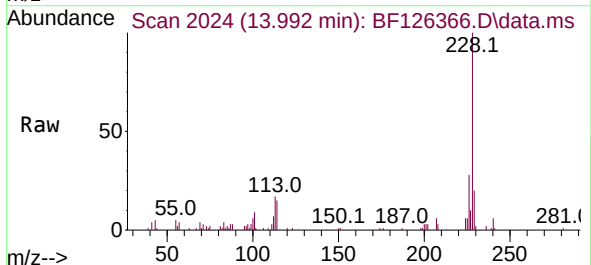
Instrument :
BNA_F
ClientSampleId :
PSC124030

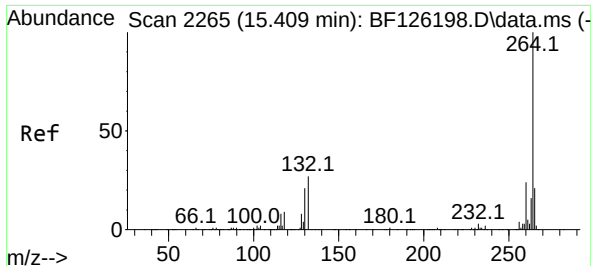
Tgt Ion:228 Resp: 23360
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 20.0 15.6 23.4



#83
Chrysene
Concen: 2.554 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion:228 Resp: 30271
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 20.4 15.9 23.9

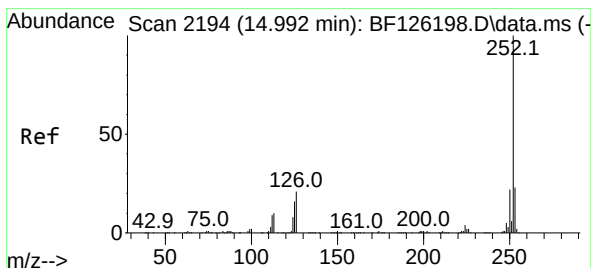
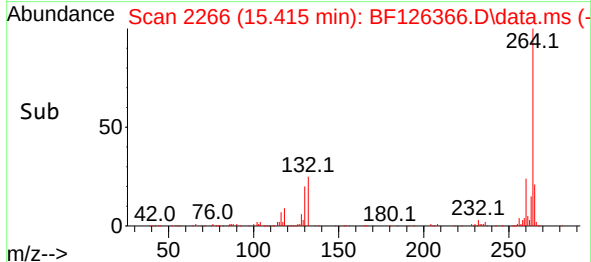
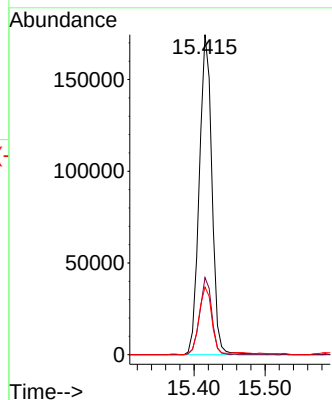
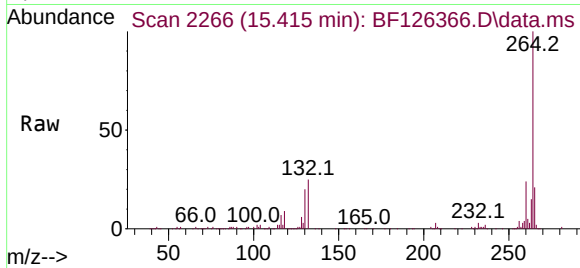




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 215878
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

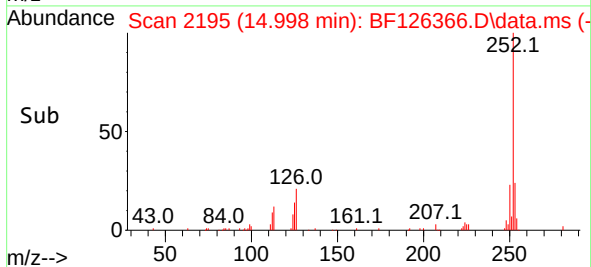
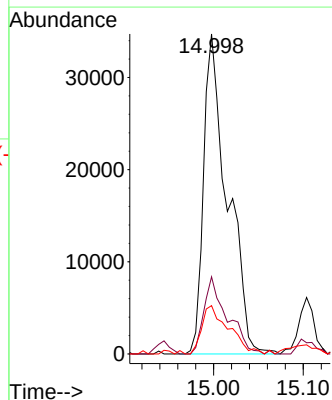
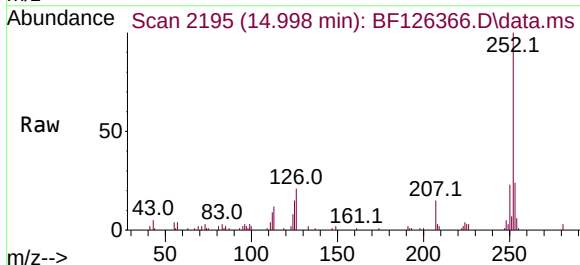
Instrument :
BNA_F
ClientSampleId :
PSC124030

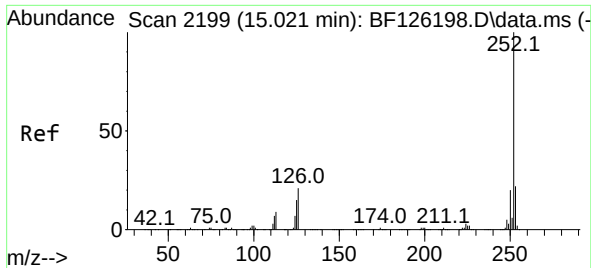
Tgt Ion:264 Resp: 215878
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 21.1 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 4.950 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion:252 Resp: 64212
Ion Ratio Lower Upper
252 100
253 24.1 16.8 25.2
125 15.1 9.8 14.8#

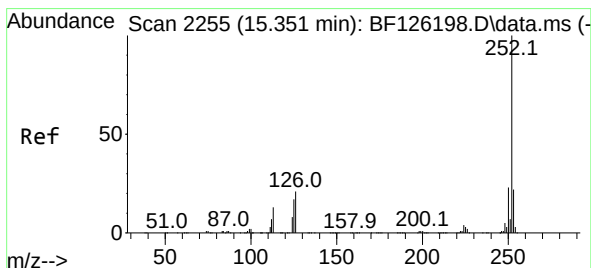
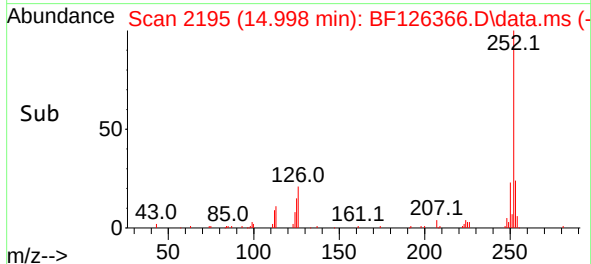
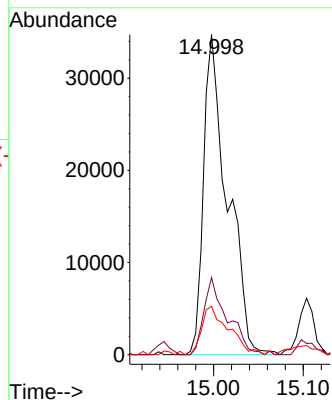
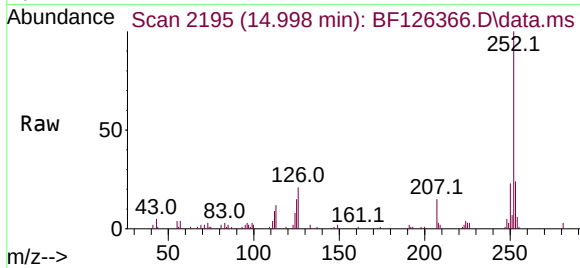




#89
Benzo(k)fluoranthene
Concen: 5.175 ng
RT: 14.998 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Instrument :
BNA_F
ClientSampleId :
PSC124030

Tgt Ion:252 Resp: 64212
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 15.1 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 2.869 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.012 min
Lab File: BF126366.D
Acq: 27 Dec 2021 20:41

Tgt Ion:252 Resp: 30926
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 17.7 9.9 14.9#

